Mississippi County Profiles

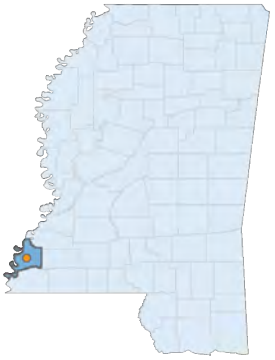
Highlights from Mississippi, 2023

Research and Analysis by

UMass Boston

Mississippi State Department of Health

Adams



POPULATION CHARACTERISTICS	County rate is significantly different than State rate	COUNTY ESTIMATE	STATE ESTIMATE
Total population all ages		31,103	2,981,835
Population 60 years or older as % of total population		26.8%	22.3%
Total population 60 years or older		8,349	663,581
Population 65 years or older as % of total population		18.7%	15.9%
Total population 65 years or older		5,811	474,270
% 65-74 years		57.7%	59.7%
% 75-84 years		32.3%	29.4%
% 85 years or older		10.0%	10.1%
% 65+ population who are female		57.6%	56.5%
% 85+ population who are female		76.3%	67.4%
Race and ethnicity of the population 65+			
% White	*	53.3%	70.9%
% African American	*	45.2%	26.9%
% Other race(s)		1.5%	2.2%
% Hispanic/Latino		0.5%	1.0%
Marital status of the population 65+			
% married	*	43.6%	53.1%
% divorced/separated	*	21.6%	14.5%
% widowed		25.7%	27.1%
% never married	*	9.1%	5.3%
Education of the population 65+			
% with less than high school education		23.5%	20.1%
% with high school or some college		56.8%	58.7%
% with college degree		10.3%	11.8%
% with graduate or professional degree		9.4%	9.4%
% of 65+ population who speak only English at home		99.0%	97.8%
% of 65+ population who are veterans of military service		13.7%	15.8%
Life expectancy at birth		73.3	74.6

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COVID-19			
Total COVID-19 cases since March 2020		7,158	797,161
COVID-19 mortality rate per 100,000 people		456.5	417.1
% of county received at least one vaccine dose		58.0%	53.7%
% of county fully vaccinated		48.0%	48.9%
WELLNESS			
% 60+ getting the recommended hours of sleep		57.2%	59.9%
% 60+ doing any physical activity within last month		62.7%	61.3%
% 60+ met CDC guidelines for muscle-strengthening activity		25.3%	19.0%
% 60+ met CDC guidelines for aerobic physical activity		42.8%	39.8%
% 60+ with fair or poor health status		31.0%	32.5%
% 60+ with 15+ physically unhealthy days in last month		14.1%	18.7%
FALLS			
% 60+ who fell within last year		21.6%	27.8%
% 60+ who were injured in a fall within last year		12.0%	10.6%
PREVENTION			
% 60+ with physical exam/check-up in last year		86.1%	89.0%
% 60+ had flu shot in last year		58.6%	57.6%
% 60+ had pneumonia vaccine		55.7%	58.9%
% 60+ had shingles vaccine		26.8%	24.4%
% 60+ women with a mammogram within last 2 years		70.5%	71.0%
% 60+ with colorectal cancer screening		58.5%	57.1%
% 60+ with HIV test		17.2%	20.8%
% 60+ met CDC preventive health screening goals		30.6%	26.2%
CHRONIC DISEASE			
% 65+ with Alzheimer’s disease or related dementias		14.2%	12.9%
% 65+ with arthritis		46.8%	39.8%
% 65+ with asthma		4.1%	3.7%
% 65+ with atrial fibrillation		7.4%	8.9%
% 65+ with cancer (breast, colorectal, lung, prostate)		10.1%	8.8%
% 65+ with chronic kidney disease		22.6%	25.3%
% 65+ with chronic obstructive pulmonary disease (COPD)		10.1%	12.6%
% 65+ with diabetes		30.1%	30.7%
% 65+ with high cholesterol		49.6%	48.9%
% 65+ with heart failure		21.4%	16.1%
% 65+ with hypertension		74.5%	67.9%
% 65+ with ischemic heart disease		32.3%	31.9%
% 65+ with osteoporosis		7.1%	6.4%
% 65+ with stroke		6.4%	4.4%

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
NUTRITION & DIET			
% 60+ with 5 or more servings of fruits or vegetables per day		9.7%	11.1%
% 60+ self-reported obese		33.3%	36.0%
% 60+ with cholesterol screening		96.6%	94.7%
ORAL HEALTH			
% 60+ with annual dental exam		59.8%	56.3%
# of dentists per 100,000 persons (all ages)		39.6	42.1
% 60+ with loss of 6 or more teeth		44.3%	45.8%
BEHAVIORAL HEALTH			
# of drug overdose deaths (all ages)		21	2,137
% 60+ current smokers		13.0%	13.1%
% 65+ with alcohol abuse disorder		1.2%	1.3%
% 65+ with drug abuse/substance abuse disorder		2.4%	2.6%
MENTAL HEALTH			
% 60+ with 15+ days poor mental health in last month		12.0%	9.8%
% 65+ with depression		16.2%	16.4%
% 65+ with schizophrenia & other psychotic disorder		3.2%	2.2%
LIVING WITH DISABILITY			
% 65+ with self-reported hearing difficulty	*	10.4%	15.5%
% 65+ with self-reported vision difficulty	*	4.8%	8.7%
% 65+ with self-reported cognition difficulty	*	6.8%	11.2%
% 65+ with self-reported ambulatory difficulty		26.8%	28.0%
% 65+ with self-reported self-care difficulty		11.6%	10.2%
% 65+ with self-reported independent living difficulty		14.6%	17.3%
CAREGIVING			
% of grandparents raising grandchildren		2.2%	2.4%
% of grandparents who live with grandchildren		3.6%	4.7%
ACCESS TO CARE			
% 60+ with a regular doctor		91.6%	92.0%
% 60+ who did not see a doctor when needed due to cost		9.8%	8.6%
# of primary care providers in county		25	3,571
# of rural health care centers in county		2	191
# of hospitals in county		1	101
# of home health agencies in county		0	45
# of nursing homes in county		3	204
# of community health centers in county		0	20
# of adult day health centers in county		0	8
# of hospice agencies in county		0	94

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COMMUNITY			
Particulate matter PM2.5		N/A	9.1
Ozone		N/A	0.361
Air pollution: annual # of unhealthy days for 65+		N/A	N/A
Age-friendly efforts in county		Not yet	Not yet
# of senior centers in county		2	115
% households that have smartphone (all ages)		13.6%	15.3%
% households without computer (all ages)	*	20.3%	13.5%
% households with access to Broadband (all ages)		75.2%	75.8%
% households without access to Internet (all ages)		24.8%	23.9%
Voter participation rate in 2020 presidential election (age 18+)		64.2%	61.2%
SAFETY & CRIME			
Homicide rate/100,000 persons		28.5	14.1
# firearm fatalities (all ages)		56	3,428
# 60+ deaths by suicide		0	562
TRANSPORTATION			
% 65+ who own a motor vehicle		87.0%	91.5%
% 60+ who always drive or ride wearing a seatbelt		90.3%	89.6%
# of fatal crashes involving adult age 60+		4	780
HOUSING			
% 65+ population who live alone		30.6%	28.1%
Average household size (all ages)		2.6	2.6
Median house value	*	$94,100	$125,500
% 60+ who own home	*	77.0%	82.7%
% 60+ homeowners who have mortgage		27.8%	32.1%
% 65+ households(renter) who spend >35% of income on housing		27.0%	33.5%
% 65+ households(owner) who spend >35% of income on housing		15.3%	15.2%
ECONOMIC			
% 60+ receiving food benefits in last year	*	17.8%	11.4%
% 65+ employed in last year		16.3%	15.6%
% 65+ with income below the poverty line in last year	*	19.1%	12.8%
65+ median household income	*	$27,767	$36,653
% 65+ households with annual income < $20,000	*	38.6%	27.4%
% 65+ households with annual income $20,000-$49,999		30.9%	35.5%
% 65+ households with annual income $50,000-$99,999		21.2%	24.6%
% 65+ households with annual income $100,000+		9.4%	12.5%

HEALTHY AGING INDICATORS	RATIO OF COUNTY TO STATE	$ COUNTY ESTIMATE	$ STATE ESTIMATE
Elder Index: COST OF LIVING			
Single, homeowner without mortgage, good health	1.04	$21,528	$20,760
Single, renter, good health	1.00	$23,988	$23,892
Couple, homeowner without mortgage, good health	1.05	$34,848	$33,264
Couple, renter, good health	1.03	$37,308	$36,396

TECHNICAL NOTES

**See our technical report for more information on data sources, measures, and methodology. For most indicators the county and state values are estimates derived from sample data. Thus, it is possible that some of the differences between state and county estimates may be due to chance associated with population sampling. We use the terms "Better" and "Worse" to highlight differences between county and state estimates that we are confident are not due to chance. "Better" is used where a higher/lower value has positive implications for the health of older residents. "Worse" is used where a higher/lower score has negative implications for the health of older people, and when the implication is unclear, we use an *. We balance two goals. First, we aim to report data at very local levels because we believe change is often locally driven. Second, we vowed to protect the privacy of the people providing the information reported. Thus, given the constraints of the data analyzed we used a hierarchical approach to reporting.*

Data Sources:

- *Population Characteristics: The U.S. Census Bureau (American Community Survey 2016-2020) & Robert Wood Johnson Foundation (2020).*
- *COVID-19: Mississippi State Department of Health (MSDH; 2022).*
- *Wellness, Falls, Prevention: The Behavioral Risk Factor Surveillance System (BRFSS; 2013-2020), & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Chronic Disease: The Centers for Medicare and Medicaid Services (CMS) Select Chronic Conditions Database (2018).*
- *Nutrition/Diet, Oral Health: BRFSS (2013-2020) & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Behavioral Health, Mental Health: BRFSS (2013-2020), CMS (2018), & MSDH (2022).*
- *Living with Disability: ACS (2016-2020).*
- *Caregiving: ACS (2016-2020).*
- *Access to Care: BRFSS (2013-2020), CMS (2018), National Adult Day Service Association (June 2022), Community Health Center (Association of Mississippi; June 2022).*
- *Community: Environmental Protection Agency (EPA, 2020), BRFSS (2013-2020), ACS (2016-2020), AARP, & State of Mississippi (May 2022).*
- *Safety & Crime: CDC WONDER (2016-2020).*
- *Transportation: BRFSS (2013-2020), ACS (2016-2020), & Fatality Analysis Reporting System (FARS; 2016-2020).*
- *Housing & Economic: ACS (2016-2020).*
- *Elder Index: Center for Social and Demographic Research on Aging at the University of Massachusetts Boston (2022).*

Acknowledgments: Many people contributed to the MS Healthy Aging Data Report research. The University of Massachusetts Boston Gerontology Institute 2022 research team: Beth Dugan PhD, Nina Silverstein PhD, Chae Man Lee PhD, Taylor Jansen MS, Shu Xu MS, & Yanjhu Su MS. Dr. Kina White from the Mississippi State Department of Health provided important guidance and leadership.

Questions? Beth.Dugan@umb.edu

Alcorn

POPULATION CHARACTERISTICS	County rate is significantly different than State rate	COUNTY ESTIMATE	STATE ESTIMATE
Total population all ages		37,058	2,981,835
Population 60 years or older as % of total population		24.9%	22.3%
Total population 60 years or older		9,223	663,581
Population 65 years or older as % of total population		18.4%	15.9%
Total population 65 years or older		6,814	474,270
% 65-74 years		57.0%	59.7%
% 75-84 years		31.4%	29.4%
% 85 years or older		11.5%	10.1%
% 65+ population who are female		57.3%	56.5%
% 85+ population who are female	*	92.4%	67.4%
Race and ethnicity of the population 65+			
% White	*	89.7%	70.9%
% African American	*	7.6%	26.9%
% Other race(s)		2.7%	2.2%
% Hispanic/Latino		1.2%	1.0%
Marital status of the population 65+			
% married		51.2%	53.1%
% divorced/separated		15.6%	14.5%
% widowed		29.2%	27.1%
% never married		3.9%	5.3%
Education of the population 65+			
% with less than high school education	*	26.3%	20.1%
% with high school or some college		60.1%	58.7%
% with college degree		9.5%	11.8%
% with graduate or professional degree	*	4.1%	9.4%
% of 65+ population who speak only English at home		98.8%	97.8%
% of 65+ population who are veterans of military service	*	10.3%	15.8%
Life expectancy at birth		73.5	74.6

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COVID-19			
Total COVID-19 cases since March 2020		10,069	797,161
COVID-19 mortality rate per 100,000 people		431.8	417.1
% of county received at least one vaccine dose		42.0%	53.7%
% of county fully vaccinated		37.0%	48.9%
WELLNESS			
% 60+ getting the recommended hours of sleep		62.7%	59.9%
% 60+ doing any physical activity within last month	W	52.8%	61.3%
% 60+ met CDC guidelines for muscle-strengthening activity		17.6%	19.0%
% 60+ met CDC guidelines for aerobic physical activity		34.7%	39.8%
% 60+ with fair or poor health status		37.9%	32.5%
% 60+ with 15+ physically unhealthy days in last month		21.1%	18.7%
FALLS			
% 60+ who fell within last year		35.5%	27.8%
% 60+ who were injured in a fall within last year		12.2%	10.6%
PREVENTION			
% 60+ with physical exam/check-up in last year		85.9%	89.0%
% 60+ had flu shot in last year		53.1%	57.6%
% 60+ had pneumonia vaccine		58.5%	58.9%
% 60+ had shingles vaccine		28.1%	24.4%
% 60+ women with a mammogram within last 2 years		65.2%	71.0%
% 60+ with colorectal cancer screening		54.1%	57.1%
% 60+ with HIV test	*	13.5%	20.8%
% 60+ met CDC preventive health screening goals		20.0%	26.2%
CHRONIC DISEASE			
% 65+ with Alzheimer’s disease or related dementias		12.3%	12.9%
% 65+ with arthritis		48.9%	39.8%
% 65+ with asthma		5.3%	3.7%
% 65+ with atrial fibrillation		9.1%	8.9%
% 65+ with cancer (breast, colorectal, lung, prostate)		8.7%	8.8%
% 65+ with chronic kidney disease		28.3%	25.3%
% 65+ with chronic obstructive pulmonary disease (COPD)		21.5%	12.6%
% 65+ with diabetes		32.5%	30.7%
% 65+ with high cholesterol		55.1%	48.9%
% 65+ with heart failure		19.8%	16.1%
% 65+ with hypertension		70.2%	67.9%
% 65+ with ischemic heart disease		41.2%	31.9%
% 65+ with osteoporosis		7.8%	6.4%
% 65+ with stroke		4.6%	4.4%

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
NUTRITION & DIET			
% 60+ with 5 or more servings of fruits or vegetables per day		10.5%	11.1%
% 60+ self-reported obese		41.2%	36.0%
% 60+ with cholesterol screening		92.0%	94.7%
ORAL HEALTH			
% 60+ with annual dental exam		51.8%	56.3%
# of dentists per 100,000 persons (all ages)		46.1	42.1
% 60+ with loss of 6 or more teeth		50.6%	45.8%
BEHAVIORAL HEALTH			
# of drug overdose deaths (all ages)		26	2,137
% 60+ current smokers		12.6%	13.1%
% 65+ with alcohol abuse disorder		1.7%	1.3%
% 65+ with drug abuse/substance abuse disorder		2.5%	2.6%
MENTAL HEALTH			
% 60+ with 15+ days poor mental health in last month		9.8%	9.8%
% 65+ with depression		20.9%	16.4%
% 65+ with schizophrenia & other psychotic disorder		2.1%	2.2%
LIVING WITH DISABILITY			
% 65+ with self-reported hearing difficulty		19.6%	15.5%
% 65+ with self-reported vision difficulty		10.6%	8.7%
% 65+ with self-reported cognition difficulty		11.5%	11.2%
% 65+ with self-reported ambulatory difficulty		32.5%	28.0%
% 65+ with self-reported self-care difficulty		11.4%	10.2%
% 65+ with self-reported independent living difficulty		19.5%	17.3%
CAREGIVING			
% of grandparents raising grandchildren		2.4%	2.4%
% of grandparents who live with grandchildren		3.5%	4.7%
ACCESS TO CARE			
% 60+ with a regular doctor		92.1%	92.0%
% 60+ who did not see a doctor when needed due to cost		9.9%	8.6%
# of primary care providers in county		26	3,571
# of rural health care centers in county		3	191
# of hospitals in county		1	101
# of home health agencies in county		1	45
# of nursing homes in county		3	204
# of community health centers in county		1	20
# of adult day health centers in county		0	8
# of hospice agencies in county		2	94

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COMMUNITY			
Particulate matter PM2.5		N/A	9.1
Ozone		N/A	0.361
Air pollution: annual # of unhealthy days for 65+		N/A	N/A
Age-friendly efforts in county		Not yet	Not yet
# of senior centers in county		4	115
% households that have smartphone (all ages)		13.0%	15.3%
% households without computer (all ages)	*	18.9%	13.5%
% households with access to Broadband (all ages)		71.5%	75.8%
% households without access to Internet (all ages)		28.2%	23.9%
Voter participation rate in 2020 presidential election (age 18+)		55.8%	61.2%
SAFETY & CRIME			
Homicide rate/100,000 persons		11.3	14.1
# firearm fatalities (all ages)		44	3,428
# 60+ deaths by suicide		10	562
TRANSPORTATION			
% 65+ who own a motor vehicle		91.6%	91.5%
% 60+ who always drive or ride wearing a seatbelt		83.4%	89.6%
# of fatal crashes involving adult age 60+		11	780
HOUSING			
% 65+ population who live alone		29.7%	28.1%
Average household size (all ages)		2.5	2.6
Median house value	*	$108,600	$125,500
% 60+ who own home	*	76.2%	82.7%
% 60+ homeowners who have mortgage		26.9%	32.1%
% 65+ households(renter) who spend >35% of income on housing		19.6%	33.5%
% 65+ households(owner) who spend >35% of income on housing		14.8%	15.2%
ECONOMIC			
% 60+ receiving food benefits in last year		16.5%	11.4%
% 65+ employed in last year		15.7%	15.6%
% 65+ with income below the poverty line in last year		13.8%	12.8%
65+ median household income	*	$32,261	$36,653
% 65+ households with annual income < $20,000		30.5%	27.4%
% 65+ households with annual income $20,000-$49,999		35.1%	35.5%
% 65+ households with annual income $50,000-$99,999		26.9%	24.6%
% 65+ households with annual income $100,000+	*	7.5%	12.5%

HEALTHY AGING INDICATORS	RATIO OF COUNTY TO STATE	$ COUNTY ESTIMATE	$ STATE ESTIMATE
Elder Index: COST OF LIVING			
Single, homeowner without mortgage, good health	1.02	$21,180	$20,760
Single, renter, good health	0.98	$23,532	$23,892
Couple, homeowner without mortgage, good health	1.04	$34,500	$33,264
Couple, renter, good health	1.01	$36,852	$36,396

TECHNICAL NOTES

**See our technical report for more information on data sources, measures, and methodology. For most indicators the county and state values are estimates derived from sample data. Thus, it is possible that some of the differences between state and county estimates may be due to chance associated with population sampling. We use the terms "Better" and "Worse" to highlight differences between county and state estimates that we are confident are not due to chance. "Better" is used where a higher/lower value has positive implications for the health of older residents. "Worse" is used where a higher/lower score has negative implications for the health of older people, and when the implication is unclear, we use an *. We balance two goals. First, we aim to report data at very local levels because we believe change is often locally driven. Second, we vowed to protect the privacy of the people providing the information reported. Thus, given the constraints of the data analyzed we used a hierarchical approach to reporting.*

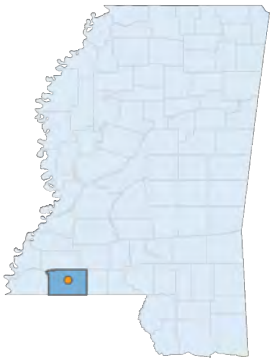
Data Sources:

- *Population Characteristics: The U.S. Census Bureau (American Community Survey 2016-2020) & Robert Wood Johnson Foundation (2020).*
- *COVID-19: Mississippi State Department of Health (MSDH; 2022).*
- *Wellness, Falls, Prevention: The Behavioral Risk Factor Surveillance System (BRFSS; 2013-2020), & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Chronic Disease: The Centers for Medicare and Medicaid Services (CMS) Select Chronic Conditions Database (2018).*
- *Nutrition/Diet, Oral Health: BRFSS (2013-2020) & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Behavioral Health, Mental Health: BRFSS (2013-2020), CMS (2018), & MSDH (2022).*
- *Living with Disability: ACS (2016-2020).*
- *Caregiving: ACS (2016-2020).*
- *Access to Care: BRFSS (2013-2020), CMS (2018), National Adult Day Service Association (June 2022), Community Health Center (Association of Mississippi; June 2022).*
- *Community: Environmental Protection Agency (EPA, 2020), BRFSS (2013-2020), ACS (2016-2020), AARP, & State of Mississippi (May 2022).*
- *Safety & Crime: CDC WONDER (2016-2020).*
- *Transportation: BRFSS (2013-2020), ACS (2016-2020), & Fatality Analysis Reporting System (FARS; 2016-2020).*
- *Housing & Economic: ACS (2016-2020).*
- *Elder Index: Center for Social and Demographic Research on Aging at the University of Massachusetts Boston (2022).*

Acknowledgments: Many people contributed to the MS Healthy Aging Data Report research. The University of Massachusetts Boston Gerontology Institute 2022 research team: Beth Dugan PhD, Nina Silverstein PhD, Chae Man Lee PhD, Taylor Jansen MS, Shu Xu MS, & Yanjhu Su MS. Dr. Kina White from the Mississippi State Department of Health provided important guidance and leadership.

Questions? Beth.Dugan@umb.edu

Amite



POPULATION CHARACTERISTICS	County rate is significantly different than State rate	COUNTY ESTIMATE	STATE ESTIMATE
Total population all ages		12,341	2,981,835
Population 60 years or older as % of total population		29.3%	22.3%
Total population 60 years or older		3,610	663,581
Population 65 years or older as % of total population		23.5%	15.9%
Total population 65 years or older		2,895	474,270
% 65-74 years		60.8%	59.7%
% 75-84 years		28.5%	29.4%
% 85 years or older		10.7%	10.1%
% 65+ population who are female		54.4%	56.5%
% 85+ population who are female		52.6%	67.4%
Race and ethnicity of the population 65+			
% White		66.1%	70.9%
% African American	*	32.7%	26.9%
% Other race(s)		1.2%	2.2%
% Hispanic/Latino		0.0%	1.0%
Marital status of the population 65+			
% married	*	60.2%	53.1%
% divorced/separated	*	7.9%	14.5%
% widowed		26.8%	27.1%
% never married		5.1%	5.3%
Education of the population 65+			
% with less than high school education		17.4%	20.1%
% with high school or some college	*	69.5%	58.7%
% with college degree	*	7.6%	11.8%
% with graduate or professional degree	*	5.5%	9.4%
% of 65+ population who speak only English at home		98.8%	97.8%
% of 65+ population who are veterans of military service		14.6%	15.8%
Life expectancy at birth		76.8	74.6

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COVID-19			
Total COVID-19 cases since March 2020		3,256	797,161
COVID-19 mortality rate per 100,000 people		559.1	417.1
% of county received at least one vaccine dose		41.0%	53.7%
% of county fully vaccinated		38.0%	48.9%
WELLNESS			
% 60+ getting the recommended hours of sleep		50.7%	59.9%
% 60+ doing any physical activity within last month		55.5%	61.3%
% 60+ met CDC guidelines for muscle-strengthening activity		13.8%	19.0%
% 60+ met CDC guidelines for aerobic physical activity		42.1%	39.8%
% 60+ with fair or poor health status		40.9%	32.5%
% 60+ with 15+ physically unhealthy days in last month		26.9%	18.7%
FALLS			
% 60+ who fell within last year		30.9%	27.8%
% 60+ who were injured in a fall within last year		12.0%	10.6%
PREVENTION			
% 60+ with physical exam/check-up in last year		89.2%	89.0%
% 60+ had flu shot in last year		47.3%	57.6%
% 60+ had pneumonia vaccine		61.3%	58.9%
% 60+ had shingles vaccine		20.4%	24.4%
% 60+ women with a mammogram within last 2 years		78.3%	71.0%
% 60+ with colorectal cancer screening		50.9%	57.1%
% 60+ with HIV test		20.1%	20.8%
% 60+ met CDC preventive health screening goals		17.5%	26.2%
CHRONIC DISEASE			
% 65+ with Alzheimer’s disease or related dementias		12.6%	12.9%
% 65+ with arthritis		35.4%	39.8%
% 65+ with asthma		2.5%	3.7%
% 65+ with atrial fibrillation		6.8%	8.9%
% 65+ with cancer (breast, colorectal, lung, prostate)		8.5%	8.8%
% 65+ with chronic kidney disease		22.1%	25.3%
% 65+ with chronic obstructive pulmonary disease (COPD)		10.2%	12.6%
% 65+ with diabetes		33.5%	30.7%
% 65+ with high cholesterol		45.9%	48.9%
% 65+ with heart failure		16.6%	16.1%
% 65+ with hypertension		66.2%	67.9%
% 65+ with ischemic heart disease		33.8%	31.9%
% 65+ with osteoporosis		N/A	6.4%
% 65+ with stroke		3.6%	4.4%

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
NUTRITION & DIET			
% 60+ with 5 or more servings of fruits or vegetables per day		9.7%	11.1%
% 60+ self-reported obese		33.0%	36.0%
% 60+ with cholesterol screening		93.0%	94.7%
ORAL HEALTH			
% 60+ with annual dental exam		56.0%	56.3%
# of dentists per 100,000 persons (all ages)		8.2	42.1
% 60+ with loss of 6 or more teeth		54.2%	45.8%
BEHAVIORAL HEALTH			
# of drug overdose deaths (all ages)		0	2,137
% 60+ current smokers		14.2%	13.1%
% 65+ with alcohol abuse disorder		0.8%	1.3%
% 65+ with drug abuse/substance abuse disorder		2.3%	2.6%
MENTAL HEALTH			
% 60+ with 15+ days poor mental health in last month		12.0%	9.8%
% 65+ with depression		11.6%	16.4%
% 65+ with schizophrenia & other psychotic disorder		2.9%	2.2%
LIVING WITH DISABILITY			
% 65+ with self-reported hearing difficulty		17.1%	15.5%
% 65+ with self-reported vision difficulty		10.1%	8.7%
% 65+ with self-reported cognition difficulty		13.9%	11.2%
% 65+ with self-reported ambulatory difficulty		31.2%	28.0%
% 65+ with self-reported self-care difficulty		8.2%	10.2%
% 65+ with self-reported independent living difficulty		18.2%	17.3%
CAREGIVING			
% of grandparents raising grandchildren	*	2.2%	2.4%
% of grandparents who live with grandchildren	*	3.3%	4.7%
ACCESS TO CARE			
% 60+ with a regular doctor		92.5%	92.0%
% 60+ who did not see a doctor when needed due to cost		9.8%	8.6%
# of primary care providers in county		23	3,571
# of rural health care centers in county		2	191
# of hospitals in county		0	101
# of home health agencies in county		0	45
# of nursing homes in county		1	204
# of community health centers in county		1	20
# of adult day health centers in county		0	8
# of hospice agencies in county		0	94

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COMMUNITY			
Particulate matter PM2.5		N/A	9.1
Ozone		N/A	0.361
Air pollution: annual # of unhealthy days for 65+		N/A	N/A
Age-friendly efforts in county		Not yet	Not yet
# of senior centers in county		0	115
% households that have smartphone (all ages)		16.2%	15.3%
% households without computer (all ages)	*	22.7%	13.5%
% households with access to Broadband (all ages)	*	65.1%	75.8%
% households without access to Internet (all ages)	*	34.2%	23.9%
Voter participation rate in 2020 presidential election (age 18+)		67.3%	61.2%
SAFETY & CRIME			
Homicide rate/100,000 persons		0.0	14.1
# firearm fatalities (all ages)		11	3,428
# 60+ deaths by suicide		0	562
TRANSPORTATION			
% 65+ who own a motor vehicle		95.9%	91.5%
% 60+ who always drive or ride wearing a seatbelt		88.3%	89.6%
# of fatal crashes involving adult age 60+		4	780
HOUSING			
% 65+ population who live alone		28.2%	28.1%
Average household size (all ages)	*	2.3	2.6
Median house value	*	$85,200	$125,500
% 60+ who own home	*	90.3%	82.7%
% 60+ homeowners who have mortgage	*	18.8%	32.1%
% 65+ households(renter) who spend >35% of income on housing	*	0.0%	33.5%
% 65+ households(owner) who spend >35% of income on housing		20.4%	15.2%
ECONOMIC			
% 60+ receiving food benefits in last year		16.3%	11.4%
% 65+ employed in last year		11.5%	15.6%
% 65+ with income below the poverty line in last year	*	20.5%	12.8%
65+ median household income		$29,569	$36,653
% 65+ households with annual income < $20,000		39.7%	27.4%
% 65+ households with annual income $20,000-$49,999		35.6%	35.5%
% 65+ households with annual income $50,000-$99,999		21.7%	24.6%
% 65+ households with annual income $100,000+	*	3.0%	12.5%

HEALTHY AGING INDICATORS	RATIO OF COUNTY TO STATE	$ COUNTY ESTIMATE	$ STATE ESTIMATE
Elder Index: COST OF LIVING			
Single, homeowner without mortgage, good health	1.04	$21,528	$20,760
Single, renter, good health	0.99	$23,676	$23,892
Couple, homeowner without mortgage, good health	1.05	$34,848	$33,264
Couple, renter, good health	1.02	$36,996	$36,396

TECHNICAL NOTES

**See our technical report for more information on data sources, measures, and methodology. For most indicators the county and state values are estimates derived from sample data. Thus, it is possible that some of the differences between state and county estimates may be due to chance associated with population sampling. We use the terms "Better" and "Worse" to highlight differences between county and state estimates that we are confident are not due to chance. "Better" is used where a higher/lower value has positive implications for the health of older residents. "Worse" is used where a higher/lower score has negative implications for the health of older people, and when the implication is unclear, we use an *. We balance two goals. First, we aim to report data at very local levels because we believe change is often locally driven. Second, we vowed to protect the privacy of the people providing the information reported. Thus, given the constraints of the data analyzed we used a hierarchical approach to reporting.*

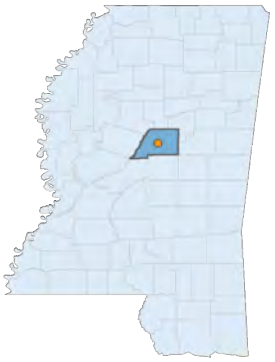
Data Sources:

- *Population Characteristics: The U.S. Census Bureau (American Community Survey 2016-2020) & Robert Wood Johnson Foundation (2020).*
- *COVID-19: Mississippi State Department of Health (MSDH; 2022).*
- *Wellness, Falls, Prevention: The Behavioral Risk Factor Surveillance System (BRFSS; 2013-2020), & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Chronic Disease: The Centers for Medicare and Medicaid Services (CMS) Select Chronic Conditions Database (2018).*
- *Nutrition/Diet, Oral Health: BRFSS (2013-2020) & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Behavioral Health, Mental Health: BRFSS (2013-2020), CMS (2018), & MSDH (2022).*
- *Living with Disability: ACS (2016-2020).*
- *Caregiving: ACS (2016-2020).*
- *Access to Care: BRFSS (2013-2020), CMS (2018), National Adult Day Service Association (June 2022), Community Health Center (Association of Mississippi; June 2022).*
- *Community: Environmental Protection Agency (EPA, 2020), BRFSS (2013-2020), ACS (2016-2020), AARP, & State of Mississippi (May 2022).*
- *Safety & Crime: CDC WONDER (2016-2020).*
- *Transportation: BRFSS (2013-2020), ACS (2016-2020), & Fatality Analysis Reporting System (FARS; 2016-2020).*
- *Housing & Economic: ACS (2016-2020).*
- *Elder Index: Center for Social and Demographic Research on Aging at the University of Massachusetts Boston (2022).*

Acknowledgments: Many people contributed to the MS Healthy Aging Data Report research. The University of Massachusetts Boston Gerontology Institute 2022 research team: Beth Dugan PhD, Nina Silverstein PhD, Chae Man Lee PhD, Taylor Jansen MS, Shu Xu MS, & Yanjhu Su MS. Dr. Kina White from the Mississippi State Department of Health provided important guidance and leadership.

Questions? Beth.Dugan@umb.edu

Attala



POPULATION CHARACTERISTICS	County rate is significantly different than State rate	COUNTY ESTIMATE	STATE ESTIMATE
Total population all ages		18,308	2,981,835
Population 60 years or older as % of total population		25.1%	22.3%
Total population 60 years or older		4,587	663,581
Population 65 years or older as % of total population		19.3%	15.9%
Total population 65 years or older		3,539	474,270
% 65-74 years		56.1%	59.7%
% 75-84 years		33.6%	29.4%
% 85 years or older		10.3%	10.1%
% 65+ population who are female		56.5%	56.5%
% 85+ population who are female		60.4%	67.4%
Race and ethnicity of the population 65+			
% White		66.4%	70.9%
% African American	*	31.1%	26.9%
% Other race(s)		2.5%	2.2%
% Hispanic/Latino		1.8%	1.0%
Marital status of the population 65+			
% married		54.5%	53.1%
% divorced/separated		16.5%	14.5%
% widowed		25.8%	27.1%
% never married		3.3%	5.3%
Education of the population 65+			
% with less than high school education		24.0%	20.1%
% with high school or some college		61.7%	58.7%
% with college degree		9.6%	11.8%
% with graduate or professional degree	*	4.7%	9.4%
% of 65+ population who speak only English at home		97.9%	97.8%
% of 65+ population who are veterans of military service		15.5%	15.8%
Life expectancy at birth		73.8	74.6

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COVID-19			
Total COVID-19 cases since March 2020		5,338	797,161
COVID-19 mortality rate per 100,000 people		617.2	417.1
% of county received at least one vaccine dose		60.0%	53.7%
% of county fully vaccinated		54.0%	48.9%
WELLNESS			
% 60+ getting the recommended hours of sleep		52.7%	59.9%
% 60+ doing any physical activity within last month		65.8%	61.3%
% 60+ met CDC guidelines for muscle-strengthening activity		19.9%	19.0%
% 60+ met CDC guidelines for aerobic physical activity		38.3%	39.8%
% 60+ with fair or poor health status		31.5%	32.5%
% 60+ with 15+ physically unhealthy days in last month		13.8%	18.7%
FALLS			
% 60+ who fell within last year		24.1%	27.8%
% 60+ who were injured in a fall within last year		9.4%	10.6%
PREVENTION			
% 60+ with physical exam/check-up in last year		91.4%	89.0%
% 60+ had flu shot in last year		63.4%	57.6%
% 60+ had pneumonia vaccine		66.3%	58.9%
% 60+ had shingles vaccine		30.7%	24.4%
% 60+ women with a mammogram within last 2 years		70.8%	71.0%
% 60+ with colorectal cancer screening		55.1%	57.1%
% 60+ with HIV test		26.6%	20.8%
% 60+ met CDC preventive health screening goals		27.5%	26.2%
CHRONIC DISEASE			
% 65+ with Alzheimer’s disease or related dementias		14.5%	12.9%
% 65+ with arthritis		35.7%	39.8%
% 65+ with asthma		2.7%	3.7%
% 65+ with atrial fibrillation		9.7%	8.9%
% 65+ with cancer (breast, colorectal, lung, prostate)		8.7%	8.8%
% 65+ with chronic kidney disease		39.9%	25.3%
% 65+ with chronic obstructive pulmonary disease (COPD)		13.8%	12.6%
% 65+ with diabetes		31.8%	30.7%
% 65+ with high cholesterol		45.4%	48.9%
% 65+ with heart failure		18.1%	16.1%
% 65+ with hypertension		70.3%	67.9%
% 65+ with ischemic heart disease		31.0%	31.9%
% 65+ with osteoporosis		9.5%	6.4%
% 65+ with stroke		5.1%	4.4%

Good Morning,
Attached is the quotes for printing theTB Surveillance and Testing Folders.
Thanks,
sylvia

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
NUTRITION & DIET			
% 60+ with 5 or more servings of fruits or vegetables per day		11.0%	11.1%
% 60+ self-reported obese		32.7%	36.0%
% 60+ with cholesterol screening		92.2%	94.7%
ORAL HEALTH			
% 60+ with annual dental exam	W	35.3%	56.3%
# of dentists per 100,000 persons (all ages)		33.3	42.1
% 60+ with loss of 6 or more teeth		50.9%	45.8%
BEHAVIORAL HEALTH			
# of drug overdose deaths (all ages)		0	2,137
% 60+ current smokers		12.5%	13.1%
% 65+ with alcohol abuse disorder		1.4%	1.3%
% 65+ with drug abuse/substance abuse disorder		1.5%	2.6%
MENTAL HEALTH			
% 60+ with 15+ days poor mental health in last month		9.2%	9.8%
% 65+ with depression		20.1%	16.4%
% 65+ with schizophrenia & other psychotic disorder		2.8%	2.2%
LIVING WITH DISABILITY			
% 65+ with self-reported hearing difficulty		18.2%	15.5%
% 65+ with self-reported vision difficulty		6.8%	8.7%
% 65+ with self-reported cognition difficulty		15.5%	11.2%
% 65+ with self-reported ambulatory difficulty		34.8%	28.0%
% 65+ with self-reported self-care difficulty		8.1%	10.2%
% 65+ with self-reported independent living difficulty		15.8%	17.3%
CAREGIVING			
% of grandparents raising grandchildren		2.4%	2.4%
% of grandparents who live with grandchildren		5.3%	4.7%
ACCESS TO CARE			
% 60+ with a regular doctor		92.4%	92.0%
% 60+ who did not see a doctor when needed due to cost		8.7%	8.6%
# of primary care providers in county		4	3,571
# of rural health care centers in county		1	191
# of hospitals in county		1	101
# of home health agencies in county		0	45
# of nursing homes in county		1	204
# of community health centers in county		0	20
# of adult day health centers in county		0	8
# of hospice agencies in county		0	94

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COMMUNITY			
Particulate matter PM2.5		N/A	9.1
Ozone		N/A	0.361
Air pollution: annual # of unhealthy days for 65+		N/A	N/A
Age-friendly efforts in county		Not yet	Not yet
# of senior centers in county		0	115
% households that have smartphone (all ages)		18.7%	15.3%
% households without computer (all ages)		14.8%	13.5%
% households with access to Broadband (all ages)		73.6%	75.8%
% households without access to Internet (all ages)		26.4%	23.9%
Voter participation rate in 2020 presidential election (age 18+)		69.0%	61.2%
SAFETY & CRIME			
Homicide rate/100,000 persons		13.1	14.1
# firearm fatalities (all ages)		23	3,428
# 60+ deaths by suicide		0	562
TRANSPORTATION			
% 65+ who own a motor vehicle		86.3%	91.5%
% 60+ who always drive or ride wearing a seatbelt	W	80.1%	89.6%
# of fatal crashes involving adult age 60+		3	780
HOUSING			
% 65+ population who live alone		26.1%	28.1%
Average household size (all ages)		2.6	2.6
Median house value	*	$88,700	$125,500
% 60+ who own home		82.2%	82.7%
% 60+ homeowners who have mortgage	*	23.8%	32.1%
% 65+ households(renter) who spend >35% of income on housing		32.0%	33.5%
% 65+ households(owner) who spend >35% of income on housing		19.5%	15.2%
ECONOMIC			
% 60+ receiving food benefits in last year		16.0%	11.4%
% 65+ employed in last year		15.0%	15.6%
% 65+ with income below the poverty line in last year	*	18.3%	12.8%
65+ median household income	*	$28,712	$36,653
% 65+ households with annual income < $20,000		34.8%	27.4%
% 65+ households with annual income $20,000-$49,999		35.3%	35.5%
% 65+ households with annual income $50,000-$99,999	*	15.9%	24.6%
% 65+ households with annual income $100,000+		14.0%	12.5%

HEALTHY AGING INDICATORS	RATIO OF COUNTY TO STATE	$ COUNTY ESTIMATE	$ STATE ESTIMATE
Elder Index: COST OF LIVING			
Single, homeowner without mortgage, good health	0.96	$19,920	$20,760
Single, renter, good health	0.95	$22,584	$23,892
Couple, homeowner without mortgage, good health	0.96	$31,896	$33,264
Couple, renter, good health	0.95	$34,560	$36,396

TECHNICAL NOTES

**See our technical report for more information on data sources, measures, and methodology. For most indicators the county and state values are estimates derived from sample data. Thus, it is possible that some of the differences between state and county estimates may be due to chance associated with population sampling. We use the terms "Better" and "Worse" to highlight differences between county and state estimates that we are confident are not due to chance. "Better" is used where a higher/lower value has positive implications for the health of older residents. "Worse" is used where a higher/lower score has negative implications for the health of older people, and when the implication is unclear, we use an *. We balance two goals. First, we aim to report data at very local levels because we believe change is often locally driven. Second, we vowed to protect the privacy of the people providing the information reported. Thus, given the constraints of the data analyzed we used a hierarchical approach to reporting.*

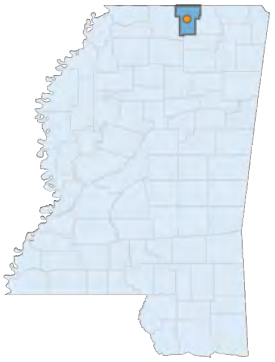
Data Sources:

- *Population Characteristics: The U.S. Census Bureau (American Community Survey 2016-2020) & Robert Wood Johnson Foundation (2020).*
- *COVID-19: Mississippi State Department of Health (MSDH; 2022).*
- *Wellness, Falls, Prevention: The Behavioral Risk Factor Surveillance System (BRFSS; 2013-2020), & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Chronic Disease: The Centers for Medicare and Medicaid Services (CMS) Select Chronic Conditions Database (2018).*
- *Nutrition/Diet, Oral Health: BRFSS (2013-2020) & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Behavioral Health, Mental Health: BRFSS (2013-2020), CMS (2018), & MSDH (2022).*
- *Living with Disability: ACS (2016-2020).*
- *Caregiving: ACS (2016-2020).*
- *Access to Care: BRFSS (2013-2020), CMS (2018), National Adult Day Service Association (June 2022), Community Health Center (Association of Mississippi; June 2022).*
- *Community: Environmental Protection Agency (EPA, 2020), BRFSS (2013-2020), ACS (2016-2020), AARP, & State of Mississippi (May 2022).*
- *Safety & Crime: CDC WONDER (2016-2020).*
- *Transportation: BRFSS (2013-2020), ACS (2016-2020), & Fatality Analysis Reporting System (FARS; 2016-2020).*
- *Housing & Economic: ACS (2016-2020).*
- *Elder Index: Center for Social and Demographic Research on Aging at the University of Massachusetts Boston (2022).*

Acknowledgments: Many people contributed to the MS Healthy Aging Data Report research. The University of Massachusetts Boston Gerontology Institute 2022 research team: Beth Dugan PhD, Nina Silverstein PhD, Chae Man Lee PhD, Taylor Jansen MS, Shu Xu MS, & Yanjhu Su MS. Dr. Kina White from the Mississippi State Department of Health provided important guidance and leadership.

Questions? Beth.Dugan@umb.edu

Benton



POPULATION CHARACTERISTICS	County rate is significantly different than State rate	COUNTY ESTIMATE	STATE ESTIMATE
Total population all ages		8,275	2,981,835
Population 60 years or older as % of total population		26.7%	22.3%
Total population 60 years or older		2,208	663,581
Population 65 years or older as % of total population		18.0%	15.9%
Total population 65 years or older		1,489	474,270
% 65-74 years		56.5%	59.7%
% 75-84 years		34.3%	29.4%
% 85 years or older		9.3%	10.1%
% 65+ population who are female		61.0%	56.5%
% 85+ population who are female		76.8%	67.4%
Race and ethnicity of the population 65+			
% White		76.8%	70.9%
% African American		19.3%	26.9%
% Other race(s)		3.9%	2.2%
% Hispanic/Latino		3.7%	1.0%
Marital status of the population 65+			
% married		58.4%	53.1%
% divorced/separated		12.0%	14.5%
% widowed		25.8%	27.1%
% never married		3.8%	5.3%
Education of the population 65+			
% with less than high school education	*	35.9%	20.1%
% with high school or some college		52.6%	58.7%
% with college degree	*	7.5%	11.8%
% with graduate or professional degree	*	4.1%	9.4%
% of 65+ population who speak only English at home		94.8%	97.8%
% of 65+ population who are veterans of military service		15.7%	15.8%
Life expectancy at birth		72.9	74.6

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COVID-19			
Total COVID-19 cases since March 2020		2,268	797,161
COVID-19 mortality rate per 100,000 people		592.1	417.1
% of county received at least one vaccine dose		49.0%	53.7%
% of county fully vaccinated		45.0%	48.9%
WELLNESS			
% 60+ getting the recommended hours of sleep		57.7%	59.9%
% 60+ doing any physical activity within last month	W	50.5%	61.3%
% 60+ met CDC guidelines for muscle-strengthening activity		15.4%	19.0%
% 60+ met CDC guidelines for aerobic physical activity		35.3%	39.8%
% 60+ with fair or poor health status	W	44.3%	32.5%
% 60+ with 15+ physically unhealthy days in last month	W	31.7%	18.7%
FALLS			
% 60+ who fell within last year		35.0%	27.8%
% 60+ who were injured in a fall within last year		12.2%	10.6%
PREVENTION			
% 60+ with physical exam/check-up in last year		93.4%	89.0%
% 60+ had flu shot in last year		55.6%	57.6%
% 60+ had pneumonia vaccine		57.0%	58.9%
% 60+ had shingles vaccine		25.0%	24.4%
% 60+ women with a mammogram within last 2 years		71.8%	71.0%
% 60+ with colorectal cancer screening		52.1%	57.1%
% 60+ with HIV test		17.0%	20.8%
% 60+ met CDC preventive health screening goals		23.6%	26.2%
CHRONIC DISEASE			
% 65+ with Alzheimer’s disease or related dementias		12.2%	12.9%
% 65+ with arthritis		40.1%	39.8%
% 65+ with asthma		4.2%	3.7%
% 65+ with atrial fibrillation		8.9%	8.9%
% 65+ with cancer (breast, colorectal, lung, prostate)		8.5%	8.8%
% 65+ with chronic kidney disease		26.8%	25.3%
% 65+ with chronic obstructive pulmonary disease (COPD)		14.6%	12.6%
% 65+ with diabetes		34.7%	30.7%
% 65+ with high cholesterol		55.1%	48.9%
% 65+ with heart failure		17.4%	16.1%
% 65+ with hypertension		71.4%	67.9%
% 65+ with ischemic heart disease		35.8%	31.9%
% 65+ with osteoporosis		N/A	6.4%
% 65+ with stroke		4.4%	4.4%

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
NUTRITION & DIET			
% 60+ with 5 or more servings of fruits or vegetables per day		10.5%	11.1%
% 60+ self-reported obese		40.7%	36.0%
% 60+ with cholesterol screening	B	98.2%	94.7%
ORAL HEALTH			
% 60+ with annual dental exam		54.0%	56.3%
# of dentists per 100,000 persons (all ages)		0.0	42.1
% 60+ with loss of 6 or more teeth		41.4%	45.8%
BEHAVIORAL HEALTH			
# of drug overdose deaths (all ages)		0	2,137
% 60+ current smokers		20.6%	13.1%
% 65+ with alcohol abuse disorder		1.1%	1.3%
% 65+ with drug abuse/substance abuse disorder		2.3%	2.6%
MENTAL HEALTH			
% 60+ with 15+ days poor mental health in last month		9.8%	9.8%
% 65+ with depression		20.1%	16.4%
% 65+ with schizophrenia & other psychotic disorder		2.1%	2.2%
LIVING WITH DISABILITY			
% 65+ with self-reported hearing difficulty		11.7%	15.5%
% 65+ with self-reported vision difficulty		6.1%	8.7%
% 65+ with self-reported cognition difficulty	*	5.9%	11.2%
% 65+ with self-reported ambulatory difficulty		33.9%	28.0%
% 65+ with self-reported self-care difficulty		11.0%	10.2%
% 65+ with self-reported independent living difficulty		21.7%	17.3%
CAREGIVING			
% of grandparents raising grandchildren	*	0.9%	2.4%
% of grandparents who live with grandchildren		3.5%	4.7%
ACCESS TO CARE			
% 60+ with a regular doctor		90.5%	92.0%
% 60+ who did not see a doctor when needed due to cost		9.9%	8.6%
# of primary care providers in county		16	3,571
# of rural health care centers in county		0	191
# of hospitals in county		0	101
# of home health agencies in county		0	45
# of nursing homes in county		1	204
# of community health centers in county		1	20
# of adult day health centers in county		0	8
# of hospice agencies in county		0	94

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COMMUNITY			
Particulate matter PM2.5		N/A	9.1
Ozone		N/A	0.361
Air pollution: annual # of unhealthy days for 65+		N/A	N/A
Age-friendly efforts in county		Not yet	Not yet
# of senior centers in county		0	115
% households that have smartphone (all ages)	*	23.9%	15.3%
% households without computer (all ages)		17.2%	13.5%
% households with access to Broadband (all ages)	*	58.0%	75.8%
% households without access to Internet (all ages)	*	41.7%	23.9%
Voter participation rate in 2020 presidential election (age 18+)		68.8%	61.2%
SAFETY & CRIME			
Homicide rate/100,000 persons		0.0	14.1
# firearm fatalities (all ages)		0	3,428
# 60+ deaths by suicide		0	562
TRANSPORTATION			
% 65+ who own a motor vehicle		95.7%	91.5%
% 60+ who always drive or ride wearing a seatbelt		83.8%	89.6%
# of fatal crashes involving adult age 60+		3	780
HOUSING			
% 65+ population who live alone		25.3%	28.1%
Average household size (all ages)		2.6	2.6
Median house value	*	$82,800	$125,500
% 60+ who own home	*	88.3%	82.7%
% 60+ homeowners who have mortgage	*	21.6%	32.1%
% 65+ households(renter) who spend >35% of income on housing	*	2.7%	33.5%
% 65+ households(owner) who spend >35% of income on housing		15.7%	15.2%
ECONOMIC			
% 60+ receiving food benefits in last year		15.6%	11.4%
% 65+ employed in last year		18.9%	15.6%
% 65+ with income below the poverty line in last year		11.9%	12.8%
65+ median household income		$34,514	$36,653
% 65+ households with annual income < $20,000		31.5%	27.4%
% 65+ households with annual income $20,000-$49,999		34.4%	35.5%
% 65+ households with annual income $50,000-$99,999		27.0%	24.6%
% 65+ households with annual income $100,000+	*	7.1%	12.5%

HEALTHY AGING INDICATORS	RATIO OF COUNTY TO STATE	$ COUNTY ESTIMATE	$ STATE ESTIMATE
Elder Index: COST OF LIVING			
Single, homeowner without mortgage, good health	1.00	$20,664	$20,760
Single, renter, good health	0.99	$23,736	$23,892
Couple, homeowner without mortgage, good health	1.01	$33,708	$33,264
Couple, renter, good health	1.01	$36,780	$36,396

TECHNICAL NOTES

**See our technical report for more information on data sources, measures, and methodology. For most indicators the county and state values are estimates derived from sample data. Thus, it is possible that some of the differences between state and county estimates may be due to chance associated with population sampling. We use the terms "Better" and "Worse" to highlight differences between county and state estimates that we are confident are not due to chance. "Better" is used where a higher/lower value has positive implications for the health of older residents. "Worse" is used where a higher/lower score has negative implications for the health of older people, and when the implication is unclear, we use an *. We balance two goals. First, we aim to report data at very local levels because we believe change is often locally driven. Second, we vowed to protect the privacy of the people providing the information reported. Thus, given the constraints of the data analyzed we used a hierarchical approach to reporting.*

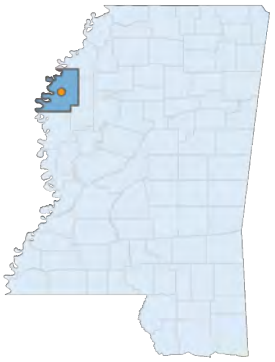
Data Sources:

- *Population Characteristics: The U.S. Census Bureau (American Community Survey 2016-2020) & Robert Wood Johnson Foundation (2020).*
- *COVID-19: Mississippi State Department of Health (MSDH; 2022).*
- *Wellness, Falls, Prevention: The Behavioral Risk Factor Surveillance System (BRFSS; 2013-2020), & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Chronic Disease: The Centers for Medicare and Medicaid Services (CMS) Select Chronic Conditions Database (2018).*
- *Nutrition/Diet, Oral Health: BRFSS (2013-2020) & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Behavioral Health, Mental Health: BRFSS (2013-2020), CMS (2018), & MSDH (2022).*
- *Living with Disability: ACS (2016-2020).*
- *Caregiving: ACS (2016-2020).*
- *Access to Care: BRFSS (2013-2020), CMS (2018), National Adult Day Service Association (June 2022), Community Health Center (Association of Mississippi; June 2022).*
- *Community: Environmental Protection Agency (EPA, 2020), BRFSS (2013-2020), ACS (2016-2020), AARP, & State of Mississippi (May 2022).*
- *Safety & Crime: CDC WONDER (2016-2020).*
- *Transportation: BRFSS (2013-2020), ACS (2016-2020), & Fatality Analysis Reporting System (FARS; 2016-2020).*
- *Housing & Economic: ACS (2016-2020).*
- *Elder Index: Center for Social and Demographic Research on Aging at the University of Massachusetts Boston (2022).*

Acknowledgments: Many people contributed to the MS Healthy Aging Data Report research. The University of Massachusetts Boston Gerontology Institute 2022 research team: Beth Dugan PhD, Nina Silverstein PhD, Chae Man Lee PhD, Taylor Jansen MS, Shu Xu MS, & Yanjhu Su MS. Dr. Kina White from the Mississippi State Department of Health provided important guidance and leadership.

Questions? Beth.Dugan@umb.edu

Bolivar



POPULATION CHARACTERISTICS	County rate is significantly different than State rate	COUNTY ESTIMATE	STATE ESTIMATE
Total population all ages		31,253	2,981,835
Population 60 years or older as % of total population		21.7%	22.3%
Total population 60 years or older		6,796	663,581
Population 65 years or older as % of total population		15.6%	15.9%
Total population 65 years or older		4,876	474,270
% 65-74 years		63.0%	59.7%
% 75-84 years	*	24.5%	29.4%
% 85 years or older		12.4%	10.1%
% 65+ population who are female		59.7%	56.5%
% 85+ population who are female		72.2%	67.4%
Race and ethnicity of the population 65+			
% White	*	43.8%	70.9%
% African American	*	54.6%	26.9%
% Other race(s)		1.6%	2.2%
% Hispanic/Latino		0.6%	1.0%
Marital status of the population 65+			
% married	*	47.7%	53.1%
% divorced/separated		17.5%	14.5%
% widowed		27.3%	27.1%
% never married		7.6%	5.3%
Education of the population 65+			
% with less than high school education	*	32.1%	20.1%
% with high school or some college	*	41.6%	58.7%
% with college degree	*	16.4%	11.8%
% with graduate or professional degree		9.8%	9.4%
% of 65+ population who speak only English at home		98.8%	97.8%
% of 65+ population who are veterans of military service	*	9.4%	15.8%
Life expectancy at birth		72.1	74.6

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COVID-19			
Total COVID-19 cases since March 2020		9,312	797,161
COVID-19 mortality rate per 100,000 people		572.7	417.1
% of county received at least one vaccine dose		66.0%	53.7%
% of county fully vaccinated		59.0%	48.9%
WELLNESS			
% 60+ getting the recommended hours of sleep		50.1%	59.9%
% 60+ doing any physical activity within last month		58.2%	61.3%
% 60+ met CDC guidelines for muscle-strengthening activity		15.5%	19.0%
% 60+ met CDC guidelines for aerobic physical activity		37.0%	39.8%
% 60+ with fair or poor health status		31.9%	32.5%
% 60+ with 15+ physically unhealthy days in last month		16.7%	18.7%
FALLS			
% 60+ who fell within last year		29.5%	27.8%
% 60+ who were injured in a fall within last year		9.4%	10.6%
PREVENTION			
% 60+ with physical exam/check-up in last year		91.7%	89.0%
% 60+ had flu shot in last year	W	44.5%	57.6%
% 60+ had pneumonia vaccine		50.4%	58.9%
% 60+ had shingles vaccine	W	9.9%	24.4%
% 60+ women with a mammogram within last 2 years		75.8%	71.0%
% 60+ with colorectal cancer screening		51.7%	57.1%
% 60+ with HIV test		17.2%	20.8%
% 60+ met CDC preventive health screening goals	W	16.0%	26.2%
CHRONIC DISEASE			
% 65+ with Alzheimer’s disease or related dementias		14.9%	12.9%
% 65+ with arthritis		36.1%	39.8%
% 65+ with asthma		3.8%	3.7%
% 65+ with atrial fibrillation		6.1%	8.9%
% 65+ with cancer (breast, colorectal, lung, prostate)		9.9%	8.8%
% 65+ with chronic kidney disease		29.7%	25.3%
% 65+ with chronic obstructive pulmonary disease (COPD)		13.1%	12.6%
% 65+ with diabetes		35.6%	30.7%
% 65+ with high cholesterol		50.3%	48.9%
% 65+ with heart failure		21.2%	16.1%
% 65+ with hypertension		74.1%	67.9%
% 65+ with ischemic heart disease		30.4%	31.9%
% 65+ with osteoporosis		3.9%	6.4%
% 65+ with stroke		5.3%	4.4%

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
NUTRITION & DIET			
% 60+ with 5 or more servings of fruits or vegetables per day		11.0%	11.1%
% 60+ self-reported obese		34.0%	36.0%
% 60+ with cholesterol screening		95.0%	94.7%
ORAL HEALTH			
% 60+ with annual dental exam		59.3%	56.3%
# of dentists per 100,000 persons (all ages)		33.2	42.1
% 60+ with loss of 6 or more teeth		48.5%	45.8%
BEHAVIORAL HEALTH			
# of drug overdose deaths (all ages)		10	2,137
% 60+ current smokers		15.3%	13.1%
% 65+ with alcohol abuse disorder		1.9%	1.3%
% 65+ with drug abuse/substance abuse disorder		1.7%	2.6%
MENTAL HEALTH			
% 60+ with 15+ days poor mental health in last month		9.2%	9.8%
% 65+ with depression		10.9%	16.4%
% 65+ with schizophrenia & other psychotic disorder		4.1%	2.2%
LIVING WITH DISABILITY			
% 65+ with self-reported hearing difficulty	*	10.5%	15.5%
% 65+ with self-reported vision difficulty		7.3%	8.7%
% 65+ with self-reported cognition difficulty		9.5%	11.2%
% 65+ with self-reported ambulatory difficulty		29.1%	28.0%
% 65+ with self-reported self-care difficulty		11.5%	10.2%
% 65+ with self-reported independent living difficulty		13.7%	17.3%
CAREGIVING			
% of grandparents raising grandchildren		3.2%	2.4%
% of grandparents who live with grandchildren		5.1%	4.7%
ACCESS TO CARE			
% 60+ with a regular doctor		94.0%	92.0%
% 60+ who did not see a doctor when needed due to cost		8.7%	8.6%
# of primary care providers in county		14	3,571
# of rural health care centers in county		2	191
# of hospitals in county		1	101
# of home health agencies in county		2	45
# of nursing homes in county		5	204
# of community health centers in county		1	20
# of adult day health centers in county		0	8
# of hospice agencies in county		3	94

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COMMUNITY			
Particulate matter PM2.5		8.6	9.1
Ozone		0.039	0.361
Air pollution: annual # of unhealthy days for 65+		0	N/A
Age-friendly efforts in county		Not yet	Not yet
# of senior centers in county		1	115
% households that have smartphone (all ages)		17.1%	15.3%
% households without computer (all ages)	*	18.4%	13.5%
% households with access to Broadband (all ages)	*	66.7%	75.8%
% households without access to Internet (all ages)	*	33.2%	23.9%
Voter participation rate in 2020 presidential election (age 18+)		56.5%	61.2%
SAFETY & CRIME			
Homicide rate/100,000 persons		17.9	14.1
# firearm fatalities (all ages)		34	3,428
# 60+ deaths by suicide		0	562
TRANSPORTATION			
% 65+ who own a motor vehicle		88.3%	91.5%
% 60+ who always drive or ride wearing a seatbelt		81.7%	89.6%
# of fatal crashes involving adult age 60+		8	780
HOUSING			
% 65+ population who live alone		28.8%	28.1%
Average household size (all ages)	*	2.5	2.6
Median house value	*	$98,800	$125,500
% 60+ who own home	*	76.7%	82.7%
% 60+ homeowners who have mortgage	*	25.3%	32.1%
% 65+ households(renter) who spend >35% of income on housing		34.5%	33.5%
% 65+ households(owner) who spend >35% of income on housing		12.4%	15.2%
ECONOMIC			
% 60+ receiving food benefits in last year	*	17.8%	11.4%
% 65+ employed in last year		17.8%	15.6%
% 65+ with income below the poverty line in last year		13.4%	12.8%
65+ median household income		$33,708	$36,653
% 65+ households with annual income < $20,000		31.0%	27.4%
% 65+ households with annual income $20,000-$49,999		35.5%	35.5%
% 65+ households with annual income $50,000-$99,999		25.3%	24.6%
% 65+ households with annual income $100,000+	*	8.2%	12.5%

HEALTHY AGING INDICATORS	RATIO OF COUNTY TO STATE	$ COUNTY ESTIMATE	$ STATE ESTIMATE
Elder Index: COST OF LIVING			
Single, homeowner without mortgage, good health	1.03	$21,408	$20,760
Single, renter, good health	0.99	$23,676	$23,892
Couple, homeowner without mortgage, good health	1.04	$34,728	$33,264
Couple, renter, good health	1.02	$36,996	$36,396

TECHNICAL NOTES

**See our technical report for more information on data sources, measures, and methodology. For most indicators the county and state values are estimates derived from sample data. Thus, it is possible that some of the differences between state and county estimates may be due to chance associated with population sampling. We use the terms "Better" and "Worse" to highlight differences between county and state estimates that we are confident are not due to chance. "Better" is used where a higher/lower value has positive implications for the health of older residents. "Worse" is used where a higher/lower score has negative implications for the health of older people, and when the implication is unclear, we use an *. We balance two goals. First, we aim to report data at very local levels because we believe change is often locally driven. Second, we vowed to protect the privacy of the people providing the information reported. Thus, given the constraints of the data analyzed we used a hierarchical approach to reporting.*

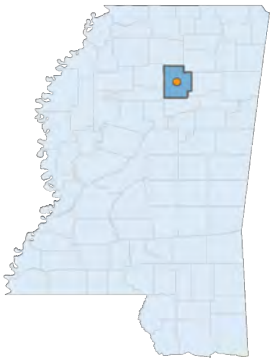
Data Sources:

- *Population Characteristics: The U.S. Census Bureau (American Community Survey 2016-2020) & Robert Wood Johnson Foundation (2020).*
- *COVID-19: Mississippi State Department of Health (MSDH; 2022).*
- *Wellness, Falls, Prevention: The Behavioral Risk Factor Surveillance System (BRFSS; 2013-2020), & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Chronic Disease: The Centers for Medicare and Medicaid Services (CMS) Select Chronic Conditions Database (2018).*
- *Nutrition/Diet, Oral Health: BRFSS (2013-2020) & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Behavioral Health, Mental Health: BRFSS (2013-2020), CMS (2018), & MSDH (2022).*
- *Living with Disability: ACS (2016-2020).*
- *Caregiving: ACS (2016-2020).*
- *Access to Care: BRFSS (2013-2020), CMS (2018), National Adult Day Service Association (June 2022), Community Health Center (Association of Mississippi; June 2022).*
- *Community: Environmental Protection Agency (EPA, 2020), BRFSS (2013-2020), ACS (2016-2020), AARP, & State of Mississippi (May 2022).*
- *Safety & Crime: CDC WONDER (2016-2020).*
- *Transportation: BRFSS (2013-2020), ACS (2016-2020), & Fatality Analysis Reporting System (FARS; 2016-2020).*
- *Housing & Economic: ACS (2016-2020).*
- *Elder Index: Center for Social and Demographic Research on Aging at the University of Massachusetts Boston (2022).*

Acknowledgments: Many people contributed to the MS Healthy Aging Data Report research. The University of Massachusetts Boston Gerontology Institute 2022 research team: Beth Dugan PhD, Nina Silverstein PhD, Chae Man Lee PhD, Taylor Jansen MS, Shu Xu MS, & Yanjhu Su MS. Dr. Kina White from the Mississippi State Department of Health provided important guidance and leadership.

Questions? Beth.Dugan@umb.edu

Calhoun



POPULATION CHARACTERISTICS	County rate is significantly different than State rate	COUNTY ESTIMATE	STATE ESTIMATE
Total population all ages		14,417	2,981,835
Population 60 years or older as % of total population		25.7%	22.3%
Total population 60 years or older		3,704	663,581
Population 65 years or older as % of total population		18.9%	15.9%
Total population 65 years or older		2,720	474,270
% 65-74 years	*	53.0%	59.7%
% 75-84 years		34.6%	29.4%
% 85 years or older		12.5%	10.1%
% 65+ population who are female		56.9%	56.5%
% 85+ population who are female		75.8%	67.4%
Race and ethnicity of the population 65+			
% White	*	79.7%	70.9%
% African American	*	19.4%	26.9%
% Other race(s)		0.8%	2.2%
% Hispanic/Latino		0.0%	1.0%
Marital status of the population 65+			
% married		52.6%	53.1%
% divorced/separated		13.6%	14.5%
% widowed		30.1%	27.1%
% never married		3.7%	5.3%
Education of the population 65+			
% with less than high school education	*	31.3%	20.1%
% with high school or some college		57.9%	58.7%
% with college degree	*	6.5%	11.8%
% with graduate or professional degree	*	4.3%	9.4%
% of 65+ population who speak only English at home		99.9%	97.8%
% of 65+ population who are veterans of military service	*	7.9%	15.8%
Life expectancy at birth		76.1	74.6

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COVID-19			
Total COVID-19 cases since March 2020		4,638	797,161
COVID-19 mortality rate per 100,000 people		492.5	417.1
% of county received at least one vaccine dose		50.0%	53.7%
% of county fully vaccinated		45.0%	48.9%
WELLNESS			
% 60+ getting the recommended hours of sleep		60.7%	59.9%
% 60+ doing any physical activity within last month		64.3%	61.3%
% 60+ met CDC guidelines for muscle-strengthening activity	W	10.9%	19.0%
% 60+ met CDC guidelines for aerobic physical activity		37.5%	39.8%
% 60+ with fair or poor health status		34.9%	32.5%
% 60+ with 15+ physically unhealthy days in last month		22.8%	18.7%
FALLS			
% 60+ who fell within last year		28.8%	27.8%
% 60+ who were injured in a fall within last year		9.3%	10.6%
PREVENTION			
% 60+ with physical exam/check-up in last year	W	72.1%	89.0%
% 60+ had flu shot in last year		58.2%	57.6%
% 60+ had pneumonia vaccine		53.2%	58.9%
% 60+ had shingles vaccine		20.3%	24.4%
% 60+ women with a mammogram within last 2 years		61.1%	71.0%
% 60+ with colorectal cancer screening		54.6%	57.1%
% 60+ with HIV test	*	15.1%	20.8%
% 60+ met CDC preventive health screening goals		22.6%	26.2%
CHRONIC DISEASE			
% 65+ with Alzheimer’s disease or related dementias		12.8%	12.9%
% 65+ with arthritis		38.9%	39.8%
% 65+ with asthma		2.3%	3.7%
% 65+ with atrial fibrillation		8.8%	8.9%
% 65+ with cancer (breast, colorectal, lung, prostate)		7.9%	8.8%
% 65+ with chronic kidney disease		29.5%	25.3%
% 65+ with chronic obstructive pulmonary disease (COPD)		10.8%	12.6%
% 65+ with diabetes		29.3%	30.7%
% 65+ with high cholesterol		40.9%	48.9%
% 65+ with heart failure		18.3%	16.1%
% 65+ with hypertension		64.7%	67.9%
% 65+ with ischemic heart disease		36.4%	31.9%
% 65+ with osteoporosis		6.3%	6.4%
% 65+ with stroke		3.5%	4.4%

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
NUTRITION & DIET			
% 60+ with 5 or more servings of fruits or vegetables per day		10.1%	11.1%
% 60+ self-reported obese		37.8%	36.0%
% 60+ with cholesterol screening		95.3%	94.7%
ORAL HEALTH			
% 60+ with annual dental exam		50.9%	56.3%
# of dentists per 100,000 persons (all ages)		14.0	42.1
% 60+ with loss of 6 or more teeth		50.7%	45.8%
BEHAVIORAL HEALTH			
# of drug overdose deaths (all ages)		0	2,137
% 60+ current smokers		13.7%	13.1%
% 65+ with alcohol abuse disorder		1.2%	1.3%
% 65+ with drug abuse/substance abuse disorder		1.6%	2.6%
MENTAL HEALTH			
% 60+ with 15+ days poor mental health in last month		8.3%	9.8%
% 65+ with depression		15.3%	16.4%
% 65+ with schizophrenia & other psychotic disorder		1.8%	2.2%
LIVING WITH DISABILITY			
% 65+ with self-reported hearing difficulty	*	32.6%	15.5%
% 65+ with self-reported vision difficulty	*	17.6%	8.7%
% 65+ with self-reported cognition difficulty		13.5%	11.2%
% 65+ with self-reported ambulatory difficulty		31.2%	28.0%
% 65+ with self-reported self-care difficulty		10.1%	10.2%
% 65+ with self-reported independent living difficulty		16.4%	17.3%
CAREGIVING			
% of grandparents raising grandchildren		3.2%	2.4%
% of grandparents who live with grandchildren		5.6%	4.7%
ACCESS TO CARE			
% 60+ with a regular doctor		94.9%	92.0%
% 60+ who did not see a doctor when needed due to cost		7.3%	8.6%
# of primary care providers in county		5	3,571
# of rural health care centers in county		3	191
# of hospitals in county		1	101
# of home health agencies in county		1	45
# of nursing homes in county		2	204
# of community health centers in county		0	20
# of adult day health centers in county		0	8
# of hospice agencies in county		0	94

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COMMUNITY			
Particulate matter PM2.5		N/A	9.1
Ozone		N/A	0.361
Air pollution: annual # of unhealthy days for 65+		N/A	N/A
Age-friendly efforts in county		Not yet	Not yet
# of senior centers in county		0	115
% households that have smartphone (all ages)		18.7%	15.3%
% households without computer (all ages)	*	19.9%	13.5%
% households with access to Broadband (all ages)	*	68.5%	75.8%
% households without access to Internet (all ages)	*	30.4%	23.9%
Voter participation rate in 2020 presidential election (age 18+)		67.6%	61.2%
SAFETY & CRIME			
Homicide rate/100,000 persons		0.0	14.1
# firearm fatalities (all ages)		12	3,428
# 60+ deaths by suicide		0	562
TRANSPORTATION			
% 65+ who own a motor vehicle		87.6%	91.5%
% 60+ who always drive or ride wearing a seatbelt	W	80.8%	89.6%
# of fatal crashes involving adult age 60+		3	780
HOUSING			
% 65+ population who live alone		29.6%	28.1%
Average household size (all ages)	*	2.5	2.6
Median house value	*	$70,500	$125,500
% 60+ who own home	*	86.2%	82.7%
% 60+ homeowners who have mortgage	*	20.0%	32.1%
% 65+ households(renter) who spend >35% of income on housing		26.2%	33.5%
% 65+ households(owner) who spend >35% of income on housing		18.4%	15.2%
ECONOMIC			
% 60+ receiving food benefits in last year		10.4%	11.4%
% 65+ employed in last year	*	9.4%	15.6%
% 65+ with income below the poverty line in last year	*	19.5%	12.8%
65+ median household income	*	$25,451	$36,653
% 65+ households with annual income < $20,000	*	38.0%	27.4%
% 65+ households with annual income $20,000-$49,999		34.5%	35.5%
% 65+ households with annual income $50,000-$99,999		24.7%	24.6%
% 65+ households with annual income $100,000+	*	2.8%	12.5%

HEALTHY AGING INDICATORS	RATIO OF COUNTY TO STATE	$ COUNTY ESTIMATE	$ STATE ESTIMATE
Elder Index: COST OF LIVING			
Single, homeowner without mortgage, good health	1.04	$21,528	$20,760
Single, renter, good health	1.00	$24,000	$23,892
Couple, homeowner without mortgage, good health	1.05	$34,848	$33,264
Couple, renter, good health	1.03	$37,320	$36,396

TECHNICAL NOTES

**See our technical report for more information on data sources, measures, and methodology. For most indicators the county and state values are estimates derived from sample data. Thus, it is possible that some of the differences between state and county estimates may be due to chance associated with population sampling. We use the terms "Better" and "Worse" to highlight differences between county and state estimates that we are confident are not due to chance. "Better" is used where a higher/lower value has positive implications for the health of older residents. "Worse" is used where a higher/lower score has negative implications for the health of older people, and when the implication is unclear, we use an *. We balance two goals. First, we aim to report data at very local levels because we believe change is often locally driven. Second, we vowed to protect the privacy of the people providing the information reported. Thus, given the constraints of the data analyzed we used a hierarchical approach to reporting.*

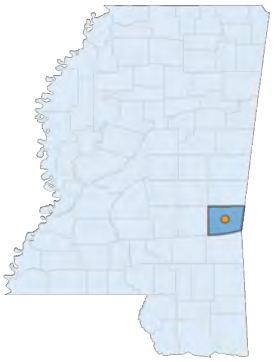
Data Sources:

- *Population Characteristics: The U.S. Census Bureau (American Community Survey 2016-2020) & Robert Wood Johnson Foundation (2020).*
- *COVID-19: Mississippi State Department of Health (MSDH; 2022).*
- *Wellness, Falls, Prevention: The Behavioral Risk Factor Surveillance System (BRFSS; 2013-2020), & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Chronic Disease: The Centers for Medicare and Medicaid Services (CMS) Select Chronic Conditions Database (2018).*
- *Nutrition/Diet, Oral Health: BRFSS (2013-2020) & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Behavioral Health, Mental Health: BRFSS (2013-2020), CMS (2018), & MSDH (2022).*
- *Living with Disability: ACS (2016-2020).*
- *Caregiving: ACS (2016-2020).*
- *Access to Care: BRFSS (2013-2020), CMS (2018), National Adult Day Service Association (June 2022), Community Health Center (Association of Mississippi; June 2022).*
- *Community: Environmental Protection Agency (EPA, 2020), BRFSS (2013-2020), ACS (2016-2020), AARP, & State of Mississippi (May 2022).*
- *Safety & Crime: CDC WONDER (2016-2020).*
- *Transportation: BRFSS (2013-2020), ACS (2016-2020), & Fatality Analysis Reporting System (FARS; 2016-2020).*
- *Housing & Economic: ACS (2016-2020).*
- *Elder Index: Center for Social and Demographic Research on Aging at the University of Massachusetts Boston (2022).*

Acknowledgments: Many people contributed to the MS Healthy Aging Data Report research. The University of Massachusetts Boston Gerontology Institute 2022 research team: Beth Dugan PhD, Nina Silverstein PhD, Chae Man Lee PhD, Taylor Jansen MS, Shu Xu MS, & Yanjhu Su MS. Dr. Kina White from the Mississippi State Department of Health provided important guidance and leadership.

Questions? Beth.Dugan@umb.edu

Carroll



POPULATION CHARACTERISTICS	County rate is significantly different than State rate	COUNTY ESTIMATE	STATE ESTIMATE
Total population all ages		9,972	2,981,835
Population 60 years or older as % of total population		30.3%	22.3%
Total population 60 years or older		3,019	663,581
Population 65 years or older as % of total population		23.6%	15.9%
Total population 65 years or older		2,352	474,270
% 65-74 years		57.2%	59.7%
% 75-84 years		29.0%	29.4%
% 85 years or older		13.8%	10.1%
% 65+ population who are female		52.8%	56.5%
% 85+ population who are female		51.5%	67.4%
Race and ethnicity of the population 65+			
% White		72.8%	70.9%
% African American		27.2%	26.9%
% Other race(s)		0.0%	2.2%
% Hispanic/Latino		0.2%	1.0%
Marital status of the population 65+			
% married	*	61.3%	53.1%
% divorced/separated		8.6%	14.5%
% widowed		26.6%	27.1%
% never married		3.5%	5.3%
Education of the population 65+			
% with less than high school education		22.0%	20.1%
% with high school or some college	*	66.5%	58.7%
% with college degree	*	6.1%	11.8%
% with graduate or professional degree		5.4%	9.4%
% of 65+ population who speak only English at home		100.0%	97.8%
% of 65+ population who are veterans of military service	*	9.3%	15.8%
Life expectancy at birth		78.2	74.6

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COVID-19			
Total COVID-19 cases since March 2020		2,558	797,161
COVID-19 mortality rate per 100,000 people		531.5	417.1
% of county received at least one vaccine dose		44.0%	53.7%
% of county fully vaccinated		41.0%	48.9%
WELLNESS			
% 60+ getting the recommended hours of sleep		68.0%	59.9%
% 60+ doing any physical activity within last month		56.4%	61.3%
% 60+ met CDC guidelines for muscle-strengthening activity		16.6%	19.0%
% 60+ met CDC guidelines for aerobic physical activity		34.4%	39.8%
% 60+ with fair or poor health status		37.9%	32.5%
% 60+ with 15+ physically unhealthy days in last month		14.7%	18.7%
FALLS			
% 60+ who fell within last year		33.2%	27.8%
% 60+ who were injured in a fall within last year		9.4%	10.6%
PREVENTION			
% 60+ with physical exam/check-up in last year		87.8%	89.0%
% 60+ had flu shot in last year		50.2%	57.6%
% 60+ had pneumonia vaccine	W	45.3%	58.9%
% 60+ had shingles vaccine		27.5%	24.4%
% 60+ women with a mammogram within last 2 years		73.8%	71.0%
% 60+ with colorectal cancer screening		51.9%	57.1%
% 60+ with HIV test		19.9%	20.8%
% 60+ met CDC preventive health screening goals		29.0%	26.2%
CHRONIC DISEASE			
% 65+ with Alzheimer’s disease or related dementias		10.8%	12.9%
% 65+ with arthritis		39.3%	39.8%
% 65+ with asthma		2.9%	3.7%
% 65+ with atrial fibrillation		N/A	8.9%
% 65+ with cancer (breast, colorectal, lung, prostate)		9.0%	8.8%
% 65+ with chronic kidney disease		23.3%	25.3%
% 65+ with chronic obstructive pulmonary disease (COPD)		11.7%	12.6%
% 65+ with diabetes		31.9%	30.7%
% 65+ with high cholesterol		40.0%	48.9%
% 65+ with heart failure		17.2%	16.1%
% 65+ with hypertension		70.2%	67.9%
% 65+ with ischemic heart disease		31.4%	31.9%
% 65+ with osteoporosis		N/A	6.4%
% 65+ with stroke		3.5%	4.4%

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
NUTRITION & DIET			
% 60+ with 5 or more servings of fruits or vegetables per day		11.0%	11.1%
% 60+ self-reported obese		37.5%	36.0%
% 60+ with cholesterol screening		93.2%	94.7%
ORAL HEALTH			
% 60+ with annual dental exam		53.9%	56.3%
# of dentists per 100,000 persons (all ages)		30.8	42.1
% 60+ with loss of 6 or more teeth		49.5%	45.8%
BEHAVIORAL HEALTH			
# of drug overdose deaths (all ages)		0	2,137
% 60+ current smokers		10.9%	13.1%
% 65+ with alcohol abuse disorder		1.2%	1.3%
% 65+ with drug abuse/substance abuse disorder		1.5%	2.6%
MENTAL HEALTH			
% 60+ with 15+ days poor mental health in last month		9.2%	9.8%
% 65+ with depression		11.1%	16.4%
% 65+ with schizophrenia & other psychotic disorder		1.7%	2.2%
LIVING WITH DISABILITY			
% 65+ with self-reported hearing difficulty		12.9%	15.5%
% 65+ with self-reported vision difficulty	*	2.2%	8.7%
% 65+ with self-reported cognition difficulty		6.9%	11.2%
% 65+ with self-reported ambulatory difficulty		24.5%	28.0%
% 65+ with self-reported self-care difficulty		10.5%	10.2%
% 65+ with self-reported independent living difficulty		15.4%	17.3%
CAREGIVING			
% of grandparents raising grandchildren		1.2%	2.4%
% of grandparents who live with grandchildren		3.8%	4.7%
ACCESS TO CARE			
% 60+ with a regular doctor		89.1%	92.0%
% 60+ who did not see a doctor when needed due to cost		8.7%	8.6%
# of primary care providers in county		1	3,571
# of rural health care centers in county		1	191
# of hospitals in county		0	101
# of home health agencies in county		0	45
# of nursing homes in county		1	204
# of community health centers in county		0	20
# of adult day health centers in county		0	8
# of hospice agencies in county		0	94

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COMMUNITY			
Particulate matter PM2.5		N/A	9.1
Ozone		N/A	0.361
Air pollution: annual # of unhealthy days for 65+		N/A	N/A
Age-friendly efforts in county		Not yet	Not yet
# of senior centers in county		0	115
% households that have smartphone (all ages)		12.6%	15.3%
% households without computer (all ages)	*	23.4%	13.5%
% households with access to Broadband (all ages)	*	61.2%	75.8%
% households without access to Internet (all ages)	*	38.8%	23.9%
Voter participation rate in 2020 presidential election (age 18+)		74.1%	61.2%
SAFETY & CRIME			
Homicide rate/100,000 persons		20.0	14.1
# firearm fatalities (all ages)		17	3,428
# 60+ deaths by suicide		0	562
TRANSPORTATION			
% 65+ who own a motor vehicle	*	99.7%	91.5%
% 60+ who always drive or ride wearing a seatbelt		90.8%	89.6%
# of fatal crashes involving adult age 60+		6	780
HOUSING			
% 65+ population who live alone		21.1%	28.1%
Average household size (all ages)		2.4	2.6
Median house value	*	$93,800	$125,500
% 60+ who own home	*	90.9%	82.7%
% 60+ homeowners who have mortgage		28.2%	32.1%
% 65+ households(renter) who spend >35% of income on housing		48.9%	33.5%
% 65+ households(owner) who spend >35% of income on housing		10.0%	15.2%
ECONOMIC			
% 60+ receiving food benefits in last year		8.7%	11.4%
% 65+ employed in last year		10.5%	15.6%
% 65+ with income below the poverty line in last year		15.4%	12.8%
65+ median household income	*	$29,503	$36,653
% 65+ households with annual income < $20,000		25.1%	27.4%
% 65+ households with annual income $20,000-$49,999		44.6%	35.5%
% 65+ households with annual income $50,000-$99,999		23.6%	24.6%
% 65+ households with annual income $100,000+		6.7%	12.5%

HEALTHY AGING INDICATORS	RATIO OF COUNTY TO STATE	$ COUNTY ESTIMATE	$ STATE ESTIMATE
Elder Index: COST OF LIVING			
Single, homeowner without mortgage, good health	1.02	$21,252	$20,760
Single, renter, good health	0.98	$23,304	$23,892
Couple, homeowner without mortgage, good health	1.04	$34,572	$33,264
Couple, renter, good health	1.01	$36,624	$36,396

TECHNICAL NOTES

**See our technical report for more information on data sources, measures, and methodology. For most indicators the county and state values are estimates derived from sample data. Thus, it is possible that some of the differences between state and county estimates may be due to chance associated with population sampling. We use the terms "Better" and "Worse" to highlight differences between county and state estimates that we are confident are not due to chance. "Better" is used where a higher/lower value has positive implications for the health of older residents. "Worse" is used where a higher/lower score has negative implications for the health of older people, and when the implication is unclear, we use an *. We balance two goals. First, we aim to report data at very local levels because we believe change is often locally driven. Second, we vowed to protect the privacy of the people providing the information reported. Thus, given the constraints of the data analyzed we used a hierarchical approach to reporting.*

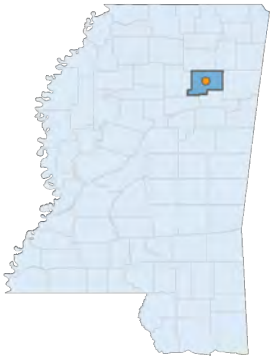
Data Sources:

- *Population Characteristics: The U.S. Census Bureau (American Community Survey 2016-2020) & Robert Wood Johnson Foundation (2020).*
- *COVID-19: Mississippi State Department of Health (MSDH; 2022).*
- *Wellness, Falls, Prevention: The Behavioral Risk Factor Surveillance System (BRFSS; 2013-2020), & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Chronic Disease: The Centers for Medicare and Medicaid Services (CMS) Select Chronic Conditions Database (2018).*
- *Nutrition/Diet, Oral Health: BRFSS (2013-2020) & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Behavioral Health, Mental Health: BRFSS (2013-2020), CMS (2018), & MSDH (2022).*
- *Living with Disability: ACS (2016-2020).*
- *Caregiving: ACS (2016-2020).*
- *Access to Care: BRFSS (2013-2020), CMS (2018), National Adult Day Service Association (June 2022), Community Health Center (Association of Mississippi; June 2022).*
- *Community: Environmental Protection Agency (EPA, 2020), BRFSS (2013-2020), ACS (2016-2020), AARP, & State of Mississippi (May 2022).*
- *Safety & Crime: CDC WONDER (2016-2020).*
- *Transportation: BRFSS (2013-2020), ACS (2016-2020), & Fatality Analysis Reporting System (FARS; 2016-2020).*
- *Housing & Economic: ACS (2016-2020).*
- *Elder Index: Center for Social and Demographic Research on Aging at the University of Massachusetts Boston (2022).*

Acknowledgments: Many people contributed to the MS Healthy Aging Data Report research. The University of Massachusetts Boston Gerontology Institute 2022 research team: Beth Dugan PhD, Nina Silverstein PhD, Chae Man Lee PhD, Taylor Jansen MS, Shu Xu MS, & Yanjhu Su MS. Dr. Kina White from the Mississippi State Department of Health provided important guidance and leadership.

Questions? Beth.Dugan@umb.edu

Chickasaw



POPULATION CHARACTERISTICS	County rate is significantly different than State rate	COUNTY ESTIMATE	STATE ESTIMATE
Total population all ages		17,060	2,981,835
Population 60 years or older as % of total population		24.3%	22.3%
Total population 60 years or older		4,139	663,581
Population 65 years or older as % of total population		17.4%	15.9%
Total population 65 years or older		2,966	474,270
% 65-74 years		58.7%	59.7%
% 75-84 years		31.5%	29.4%
% 85 years or older		9.8%	10.1%
% 65+ population who are female		56.8%	56.5%
% 85+ population who are female		79.0%	67.4%
Race and ethnicity of the population 65+			
% White		66.7%	70.9%
% African American	*	32.4%	26.9%
% Other race(s)		0.8%	2.2%
% Hispanic/Latino		1.9%	1.0%
Marital status of the population 65+			
% married		58.2%	53.1%
% divorced/separated		13.8%	14.5%
% widowed		24.7%	27.1%
% never married		3.3%	5.3%
Education of the population 65+			
% with less than high school education	*	28.6%	20.1%
% with high school or some college		58.2%	58.7%
% with college degree		11.5%	11.8%
% with graduate or professional degree	*	1.7%	9.4%
% of 65+ population who speak only English at home		97.9%	97.8%
% of 65+ population who are veterans of military service	*	8.9%	15.8%
Life expectancy at birth		74.7	74.6

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COVID-19			
Total COVID-19 cases since March 2020		5,591	797,161
COVID-19 mortality rate per 100,000 people		562.7	417.1
% of county received at least one vaccine dose		54.0%	53.7%
% of county fully vaccinated		49.0%	48.9%
WELLNESS			
% 60+ getting the recommended hours of sleep		66.3%	59.9%
% 60+ doing any physical activity within last month		56.7%	61.3%
% 60+ met CDC guidelines for muscle-strengthening activity		16.8%	19.0%
% 60+ met CDC guidelines for aerobic physical activity		43.2%	39.8%
% 60+ with fair or poor health status		39.5%	32.5%
% 60+ with 15+ physically unhealthy days in last month		17.1%	18.7%
FALLS			
% 60+ who fell within last year		25.1%	27.8%
% 60+ who were injured in a fall within last year		9.3%	10.6%
PREVENTION			
% 60+ with physical exam/check-up in last year		88.0%	89.0%
% 60+ had flu shot in last year		61.7%	57.6%
% 60+ had pneumonia vaccine		50.7%	58.9%
% 60+ had shingles vaccine		18.6%	24.4%
% 60+ women with a mammogram within last 2 years		74.6%	71.0%
% 60+ with colorectal cancer screening		51.6%	57.1%
% 60+ with HIV test	*	10.5%	20.8%
% 60+ met CDC preventive health screening goals		22.5%	26.2%
CHRONIC DISEASE			
% 65+ with Alzheimer’s disease or related dementias		13.4%	12.9%
% 65+ with arthritis		45.3%	39.8%
% 65+ with asthma		3.5%	3.7%
% 65+ with atrial fibrillation		7.6%	8.9%
% 65+ with cancer (breast, colorectal, lung, prostate)		8.9%	8.8%
% 65+ with chronic kidney disease		30.8%	25.3%
% 65+ with chronic obstructive pulmonary disease (COPD)		14.6%	12.6%
% 65+ with diabetes		31.7%	30.7%
% 65+ with high cholesterol		55.3%	48.9%
% 65+ with heart failure		14.4%	16.1%
% 65+ with hypertension		73.0%	67.9%
% 65+ with ischemic heart disease		32.2%	31.9%
% 65+ with osteoporosis		6.2%	6.4%
% 65+ with stroke		4.0%	4.4%

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
NUTRITION & DIET			
% 60+ with 5 or more servings of fruits or vegetables per day		10.1%	11.1%
% 60+ self-reported obese		43.6%	36.0%
% 60+ with cholesterol screening		90.1%	94.7%
ORAL HEALTH			
% 60+ with annual dental exam		53.8%	56.3%
# of dentists per 100,000 persons (all ages)		23.6	42.1
% 60+ with loss of 6 or more teeth		51.7%	45.8%
BEHAVIORAL HEALTH			
# of drug overdose deaths (all ages)		0	2,137
% 60+ current smokers		10.9%	13.1%
% 65+ with alcohol abuse disorder		1.1%	1.3%
% 65+ with drug abuse/substance abuse disorder		1.8%	2.6%
MENTAL HEALTH			
% 60+ with 15+ days poor mental health in last month		8.3%	9.8%
% 65+ with depression		16.4%	16.4%
% 65+ with schizophrenia & other psychotic disorder		2.1%	2.2%
LIVING WITH DISABILITY			
% 65+ with self-reported hearing difficulty		18.6%	15.5%
% 65+ with self-reported vision difficulty		14.0%	8.7%
% 65+ with self-reported cognition difficulty		12.6%	11.2%
% 65+ with self-reported ambulatory difficulty		29.9%	28.0%
% 65+ with self-reported self-care difficulty		8.1%	10.2%
% 65+ with self-reported independent living difficulty		13.2%	17.3%
CAREGIVING			
% of grandparents raising grandchildren		3.2%	2.4%
% of grandparents who live with grandchildren		5.4%	4.7%
ACCESS TO CARE			
% 60+ with a regular doctor		89.8%	92.0%
% 60+ who did not see a doctor when needed due to cost		7.3%	8.6%
# of primary care providers in county		11	3,571
# of rural health care centers in county		4	191
# of hospitals in county		1	101
# of home health agencies in county		0	45
# of nursing homes in county		2	204
# of community health centers in county		0	20
# of adult day health centers in county		0	8
# of hospice agencies in county		0	94

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COMMUNITY			
Particulate matter PM2.5		N/A	9.1
Ozone		N/A	0.361
Air pollution: annual # of unhealthy days for 65+		N/A	N/A
Age-friendly efforts in county		Not yet	Not yet
# of senior centers in county		2	115
% households that have smartphone (all ages)	*	20.1%	15.3%
% households without computer (all ages)	*	23.9%	13.5%
% households with access to Broadband (all ages)	*	61.6%	75.8%
% households without access to Internet (all ages)	*	38.3%	23.9%
Voter participation rate in 2020 presidential election (age 18+)		64.7%	61.2%
SAFETY & CRIME			
Homicide rate/100,000 persons		16.4	14.1
# firearm fatalities (all ages)		20	3,428
# 60+ deaths by suicide		0	562
TRANSPORTATION			
% 65+ who own a motor vehicle		91.5%	91.5%
% 60+ who always drive or ride wearing a seatbelt	W	79.0%	89.6%
# of fatal crashes involving adult age 60+		5	780
HOUSING			
% 65+ population who live alone		30.5%	28.1%
Average household size (all ages)		2.5	2.6
Median house value	*	$70,000	$125,500
% 60+ who own home		82.1%	82.7%
% 60+ homeowners who have mortgage		29.5%	32.1%
% 65+ households(renter) who spend >35% of income on housing		20.5%	33.5%
% 65+ households(owner) who spend >35% of income on housing		23.0%	15.2%
ECONOMIC			
% 60+ receiving food benefits in last year		13.4%	11.4%
% 65+ employed in last year	*	8.8%	15.6%
% 65+ with income below the poverty line in last year	*	23.5%	12.8%
65+ median household income		$27,869	$36,653
% 65+ households with annual income < $20,000	*	42.1%	27.4%
% 65+ households with annual income $20,000-$49,999		33.2%	35.5%
% 65+ households with annual income $50,000-$99,999		17.8%	24.6%
% 65+ households with annual income $100,000+	*	6.9%	12.5%

HEALTHY AGING INDICATORS	RATIO OF COUNTY TO STATE	$ COUNTY ESTIMATE	$ STATE ESTIMATE
Elder Index: COST OF LIVING			
Single, homeowner without mortgage, good health	1.04	$21,528	$20,760
Single, renter, good health	0.98	$23,412	$23,892
Couple, homeowner without mortgage, good health	1.05	$34,848	$33,264
Couple, renter, good health	1.01	$36,732	$36,396

TECHNICAL NOTES

**See our technical report for more information on data sources, measures, and methodology. For most indicators the county and state values are estimates derived from sample data. Thus, it is possible that some of the differences between state and county estimates may be due to chance associated with population sampling. We use the terms "Better" and "Worse" to highlight differences between county and state estimates that we are confident are not due to chance. "Better" is used where a higher/lower value has positive implications for the health of older residents. "Worse" is used where a higher/lower score has negative implications for the health of older people, and when the implication is unclear, we use an *. We balance two goals. First, we aim to report data at very local levels because we believe change is often locally driven. Second, we vowed to protect the privacy of the people providing the information reported. Thus, given the constraints of the data analyzed we used a hierarchical approach to reporting.*

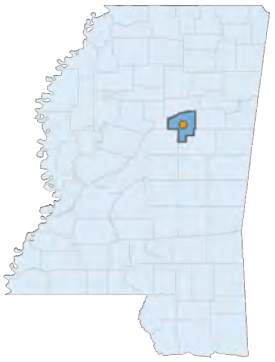
Data Sources:

- *Population Characteristics: The U.S. Census Bureau (American Community Survey 2016-2020) & Robert Wood Johnson Foundation (2020).*
- *COVID-19: Mississippi State Department of Health (MSDH; 2022).*
- *Wellness, Falls, Prevention: The Behavioral Risk Factor Surveillance System (BRFSS; 2013-2020), & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Chronic Disease: The Centers for Medicare and Medicaid Services (CMS) Select Chronic Conditions Database (2018).*
- *Nutrition/Diet, Oral Health: BRFSS (2013-2020) & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Behavioral Health, Mental Health: BRFSS (2013-2020), CMS (2018), & MSDH (2022).*
- *Living with Disability: ACS (2016-2020).*
- *Caregiving: ACS (2016-2020).*
- *Access to Care: BRFSS (2013-2020), CMS (2018), National Adult Day Service Association (June 2022), Community Health Center (Association of Mississippi; June 2022).*
- *Community: Environmental Protection Agency (EPA, 2020), BRFSS (2013-2020), ACS (2016-2020), AARP, & State of Mississippi (May 2022).*
- *Safety & Crime: CDC WONDER (2016-2020).*
- *Transportation: BRFSS (2013-2020), ACS (2016-2020), & Fatality Analysis Reporting System (FARS; 2016-2020).*
- *Housing & Economic: ACS (2016-2020).*
- *Elder Index: Center for Social and Demographic Research on Aging at the University of Massachusetts Boston (2022).*

Acknowledgments: Many people contributed to the MS Healthy Aging Data Report research. The University of Massachusetts Boston Gerontology Institute 2022 research team: Beth Dugan PhD, Nina Silverstein PhD, Chae Man Lee PhD, Taylor Jansen MS, Shu Xu MS, & Yanjhu Su MS. Dr. Kina White from the Mississippi State Department of Health provided important guidance and leadership.

Questions? Beth.Dugan@umb.edu

Choctaw



POPULATION CHARACTERISTICS	County rate is significantly different than State rate	COUNTY ESTIMATE	STATE ESTIMATE
Total population all ages		8,206	2,981,835
Population 60 years or older as % of total population		28.2%	22.3%
Total population 60 years or older		2,312	663,581
Population 65 years or older as % of total population		21.9%	15.9%
Total population 65 years or older		1,796	474,270
% 65-74 years	*	51.8%	59.7%
% 75-84 years	*	36.2%	29.4%
% 85 years or older		11.9%	10.1%
% 65+ population who are female		56.3%	56.5%
% 85+ population who are female		66.4%	67.4%
Race and ethnicity of the population 65+			
% White		76.7%	70.9%
% African American		22.0%	26.9%
% Other race(s)		1.3%	2.2%
% Hispanic/Latino		0.0%	1.0%
Marital status of the population 65+			
% married		53.5%	53.1%
% divorced/separated	*	8.4%	14.5%
% widowed		34.7%	27.1%
% never married		3.4%	5.3%
Education of the population 65+			
% with less than high school education	*	28.5%	20.1%
% with high school or some college		58.5%	58.7%
% with college degree	*	6.8%	11.8%
% with graduate or professional degree	*	6.2%	9.4%
% of 65+ population who speak only English at home		100.0%	97.8%
% of 65+ population who are veterans of military service		10.5%	15.8%
Life expectancy at birth		74.2	74.6

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COVID-19			
Total COVID-19 cases since March 2020		2,314	797,161
COVID-19 mortality rate per 100,000 people		402.1	417.1
% of county received at least one vaccine dose		39.0%	53.7%
% of county fully vaccinated		36.0%	48.9%
WELLNESS			
% 60+ getting the recommended hours of sleep		60.9%	59.9%
% 60+ doing any physical activity within last month		62.0%	61.3%
% 60+ met CDC guidelines for muscle-strengthening activity		16.6%	19.0%
% 60+ met CDC guidelines for aerobic physical activity		38.5%	39.8%
% 60+ with fair or poor health status		34.5%	32.5%
% 60+ with 15+ physically unhealthy days in last month		18.4%	18.7%
FALLS			
% 60+ who fell within last year		31.8%	27.8%
% 60+ who were injured in a fall within last year		9.3%	10.6%
PREVENTION			
% 60+ with physical exam/check-up in last year		92.0%	89.0%
% 60+ had flu shot in last year		56.8%	57.6%
% 60+ had pneumonia vaccine		58.9%	58.9%
% 60+ had shingles vaccine		28.3%	24.4%
% 60+ women with a mammogram within last 2 years		64.6%	71.0%
% 60+ with colorectal cancer screening		51.2%	57.1%
% 60+ with HIV test		19.1%	20.8%
% 60+ met CDC preventive health screening goals		23.0%	26.2%
CHRONIC DISEASE			
% 65+ with Alzheimer’s disease or related dementias		14.0%	12.9%
% 65+ with arthritis		41.6%	39.8%
% 65+ with asthma		3.9%	3.7%
% 65+ with atrial fibrillation		N/A	8.9%
% 65+ with cancer (breast, colorectal, lung, prostate)		6.3%	8.8%
% 65+ with chronic kidney disease		23.1%	25.3%
% 65+ with chronic obstructive pulmonary disease (COPD)		14.1%	12.6%
% 65+ with diabetes		30.6%	30.7%
% 65+ with high cholesterol		36.4%	48.9%
% 65+ with heart failure		15.8%	16.1%
% 65+ with hypertension		62.5%	67.9%
% 65+ with ischemic heart disease		28.7%	31.9%
% 65+ with osteoporosis		N/A	6.4%
% 65+ with stroke		N/A	4.4%

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
NUTRITION & DIET			
% 60+ with 5 or more servings of fruits or vegetables per day		10.1%	11.1%
% 60+ self-reported obese		36.3%	36.0%
% 60+ with cholesterol screening		96.3%	94.7%
ORAL HEALTH			
% 60+ with annual dental exam		49.5%	56.3%
# of dentists per 100,000 persons (all ages)		37.2	42.1
% 60+ with loss of 6 or more teeth		44.8%	45.8%
BEHAVIORAL HEALTH			
# of drug overdose deaths (all ages)		0	2,137
% 60+ current smokers		12.6%	13.1%
% 65+ with alcohol abuse disorder		N/A	1.3%
% 65+ with drug abuse/substance abuse disorder		1.7%	2.6%
MENTAL HEALTH			
% 60+ with 15+ days poor mental health in last month		8.3%	9.8%
% 65+ with depression		13.8%	16.4%
% 65+ with schizophrenia & other psychotic disorder		2.4%	2.2%
LIVING WITH DISABILITY			
% 65+ with self-reported hearing difficulty		18.3%	15.5%
% 65+ with self-reported vision difficulty		14.8%	8.7%
% 65+ with self-reported cognition difficulty		10.4%	11.2%
% 65+ with self-reported ambulatory difficulty		35.1%	28.0%
% 65+ with self-reported self-care difficulty		7.6%	10.2%
% 65+ with self-reported independent living difficulty		17.0%	17.3%
CAREGIVING			
% of grandparents raising grandchildren		1.3%	2.4%
% of grandparents who live with grandchildren		2.9%	4.7%
ACCESS TO CARE			
% 60+ with a regular doctor		92.8%	92.0%
% 60+ who did not see a doctor when needed due to cost		7.3%	8.6%
# of primary care providers in county		20	3,571
# of rural health care centers in county		2	191
# of hospitals in county		1	101
# of home health agencies in county		0	45
# of nursing homes in county		1	204
# of community health centers in county		0	20
# of adult day health centers in county		0	8
# of hospice agencies in county		0	94

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COMMUNITY			
Particulate matter PM2.5		N/A	9.1
Ozone		N/A	0.361
Air pollution: annual # of unhealthy days for 65+		N/A	N/A
Age-friendly efforts in county		Not yet	Not yet
# of senior centers in county		0	115
% households that have smartphone (all ages)		16.0%	15.3%
% households without computer (all ages)	*	18.4%	13.5%
% households with access to Broadband (all ages)		71.5%	75.8%
% households without access to Internet (all ages)		28.0%	23.9%
Voter participation rate in 2020 presidential election (age 18+)		72.1%	61.2%
SAFETY & CRIME			
Homicide rate/100,000 persons		0.0	14.1
# firearm fatalities (all ages)		11	3,428
# 60+ deaths by suicide		0	562
TRANSPORTATION			
% 65+ who own a motor vehicle		94.7%	91.5%
% 60+ who always drive or ride wearing a seatbelt		87.2%	89.6%
# of fatal crashes involving adult age 60+		2	780
HOUSING			
% 65+ population who live alone		34.6%	28.1%
Average household size (all ages)	*	2.4	2.6
Median house value	*	$89,700	$125,500
% 60+ who own home		81.0%	82.7%
% 60+ homeowners who have mortgage	*	20.1%	32.1%
% 65+ households(renter) who spend >35% of income on housing		17.6%	33.5%
% 65+ households(owner) who spend >35% of income on housing		12.8%	15.2%
ECONOMIC			
% 60+ receiving food benefits in last year		11.5%	11.4%
% 65+ employed in last year		14.9%	15.6%
% 65+ with income below the poverty line in last year		11.6%	12.8%
65+ median household income	*	$27,821	$36,653
% 65+ households with annual income < $20,000		35.0%	27.4%
% 65+ households with annual income $20,000-$49,999		42.0%	35.5%
% 65+ households with annual income $50,000-$99,999	*	14.9%	24.6%
% 65+ households with annual income $100,000+		8.1%	12.5%

HEALTHY AGING INDICATORS	RATIO OF COUNTY TO STATE	$ COUNTY ESTIMATE	$ STATE ESTIMATE
Elder Index: COST OF LIVING			
Single, homeowner without mortgage, good health	1.04	$21,648	$20,760
Single, renter, good health	0.98	$23,376	$23,892
Couple, homeowner without mortgage, good health	1.05	$34,968	$33,264
Couple, renter, good health	1.01	$36,696	$36,396

TECHNICAL NOTES

**See our technical report for more information on data sources, measures, and methodology. For most indicators the county and state values are estimates derived from sample data. Thus, it is possible that some of the differences between state and county estimates may be due to chance associated with population sampling. We use the terms "Better" and "Worse" to highlight differences between county and state estimates that we are confident are not due to chance. "Better" is used where a higher/lower value has positive implications for the health of older residents. "Worse" is used where a higher/lower score has negative implications for the health of older people, and when the implication is unclear, we use an *. We balance two goals. First, we aim to report data at very local levels because we believe change is often locally driven. Second, we vowed to protect the privacy of the people providing the information reported. Thus, given the constraints of the data analyzed we used a hierarchical approach to reporting.*

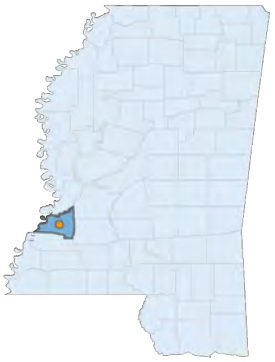
Data Sources:

- *Population Characteristics: The U.S. Census Bureau (American Community Survey 2016-2020) & Robert Wood Johnson Foundation (2020).*
- *COVID-19: Mississippi State Department of Health (MSDH; 2022).*
- *Wellness, Falls, Prevention: The Behavioral Risk Factor Surveillance System (BRFSS; 2013-2020), & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Chronic Disease: The Centers for Medicare and Medicaid Services (CMS) Select Chronic Conditions Database (2018).*
- *Nutrition/Diet, Oral Health: BRFSS (2013-2020) & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Behavioral Health, Mental Health: BRFSS (2013-2020), CMS (2018), & MSDH (2022).*
- *Living with Disability: ACS (2016-2020).*
- *Caregiving: ACS (2016-2020).*
- *Access to Care: BRFSS (2013-2020), CMS (2018), National Adult Day Service Association (June 2022), Community Health Center (Association of Mississippi; June 2022).*
- *Community: Environmental Protection Agency (EPA, 2020), BRFSS (2013-2020), ACS (2016-2020), AARP, & State of Mississippi (May 2022).*
- *Safety & Crime: CDC WONDER (2016-2020).*
- *Transportation: BRFSS (2013-2020), ACS (2016-2020), & Fatality Analysis Reporting System (FARS; 2016-2020).*
- *Housing & Economic: ACS (2016-2020).*
- *Elder Index: Center for Social and Demographic Research on Aging at the University of Massachusetts Boston (2022).*

Acknowledgments: Many people contributed to the MS Healthy Aging Data Report research. The University of Massachusetts Boston Gerontology Institute 2022 research team: Beth Dugan PhD, Nina Silverstein PhD, Chae Man Lee PhD, Taylor Jansen MS, Shu Xu MS, & Yanjhu Su MS. Dr. Kina White from the Mississippi State Department of Health provided important guidance and leadership.

Questions? Beth.Dugan@umb.edu

Claiborne



POPULATION CHARACTERISTICS	County rate is significantly different than State rate	COUNTY ESTIMATE	STATE ESTIMATE
Total population all ages		9,042	2,981,835
Population 60 years or older as % of total population		22.3%	22.3%
Total population 60 years or older		2,016	663,581
Population 65 years or older as % of total population		16.8%	15.9%
Total population 65 years or older		1,521	474,270
% 65-74 years		61.0%	59.7%
% 75-84 years		28.1%	29.4%
% 85 years or older		10.8%	10.1%
% 65+ population who are female		57.5%	56.5%
% 85+ population who are female		75.2%	67.4%
Race and ethnicity of the population 65+			
% White	*	31.5%	70.9%
% African American	*	67.0%	26.9%
% Other race(s)		1.5%	2.2%
% Hispanic/Latino		0.2%	1.0%
Marital status of the population 65+			
% married		54.8%	53.1%
% divorced/separated		13.5%	14.5%
% widowed		23.7%	27.1%
% never married		8.0%	5.3%
Education of the population 65+			
% with less than high school education	*	31.1%	20.1%
% with high school or some college	*	46.9%	58.7%
% with college degree		8.7%	11.8%
% with graduate or professional degree		13.3%	9.4%
% of 65+ population who speak only English at home		100.0%	97.8%
% of 65+ population who are veterans of military service		11.0%	15.8%
Life expectancy at birth		72.1	74.6

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COVID-19			
Total COVID-19 cases since March 2020		2,145	797,161
COVID-19 mortality rate per 100,000 people		508.7	417.1
% of county received at least one vaccine dose		61.0%	53.7%
% of county fully vaccinated		56.0%	48.9%
WELLNESS			
% 60+ getting the recommended hours of sleep		64.6%	59.9%
% 60+ doing any physical activity within last month		55.9%	61.3%
% 60+ met CDC guidelines for muscle-strengthening activity		14.2%	19.0%
% 60+ met CDC guidelines for aerobic physical activity		39.6%	39.8%
% 60+ with fair or poor health status		36.4%	32.5%
% 60+ with 15+ physically unhealthy days in last month		20.0%	18.7%
FALLS			
% 60+ who fell within last year		27.4%	27.8%
% 60+ who were injured in a fall within last year		10.1%	10.6%
PREVENTION			
% 60+ with physical exam/check-up in last year		88.0%	89.0%
% 60+ had flu shot in last year		61.5%	57.6%
% 60+ had pneumonia vaccine		60.6%	58.9%
% 60+ had shingles vaccine		29.2%	24.4%
% 60+ women with a mammogram within last 2 years		80.4%	71.0%
% 60+ with colorectal cancer screening		60.8%	57.1%
% 60+ with HIV test		22.6%	20.8%
% 60+ met CDC preventive health screening goals		23.6%	26.2%
CHRONIC DISEASE			
% 65+ with Alzheimer’s disease or related dementias		14.6%	12.9%
% 65+ with arthritis		47.5%	39.8%
% 65+ with asthma		6.7%	3.7%
% 65+ with atrial fibrillation		N/A	8.9%
% 65+ with cancer (breast, colorectal, lung, prostate)		9.3%	8.8%
% 65+ with chronic kidney disease		27.7%	25.3%
% 65+ with chronic obstructive pulmonary disease (COPD)		20.4%	12.6%
% 65+ with diabetes		35.0%	30.7%
% 65+ with high cholesterol		37.4%	48.9%
% 65+ with heart failure		27.2%	16.1%
% 65+ with hypertension		72.8%	67.9%
% 65+ with ischemic heart disease		31.7%	31.9%
% 65+ with osteoporosis		N/A	6.4%
% 65+ with stroke		4.8%	4.4%

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
NUTRITION & DIET			
% 60+ with 5 or more servings of fruits or vegetables per day		11.5%	11.1%
% 60+ self-reported obese		39.6%	36.0%
% 60+ with cholesterol screening		93.8%	94.7%
ORAL HEALTH			
% 60+ with annual dental exam		56.8%	56.3%
# of dentists per 100,000 persons (all ages)		22.4	42.1
% 60+ with loss of 6 or more teeth		52.0%	45.8%
BEHAVIORAL HEALTH			
# of drug overdose deaths (all ages)		0	2,137
% 60+ current smokers		13.8%	13.1%
% 65+ with alcohol abuse disorder		N/A	1.3%
% 65+ with drug abuse/substance abuse disorder		2.1%	2.6%
MENTAL HEALTH			
% 60+ with 15+ days poor mental health in last month		9.5%	9.8%
% 65+ with depression		13.5%	16.4%
% 65+ with schizophrenia & other psychotic disorder		4.6%	2.2%
LIVING WITH DISABILITY			
% 65+ with self-reported hearing difficulty	*	7.3%	15.5%
% 65+ with self-reported vision difficulty	*	4.3%	8.7%
% 65+ with self-reported cognition difficulty		7.4%	11.2%
% 65+ with self-reported ambulatory difficulty		28.1%	28.0%
% 65+ with self-reported self-care difficulty		7.1%	10.2%
% 65+ with self-reported independent living difficulty		13.5%	17.3%
CAREGIVING			
% of grandparents raising grandchildren		3.3%	2.4%
% of grandparents who live with grandchildren		5.2%	4.7%
ACCESS TO CARE			
% 60+ with a regular doctor	B	96.3%	92.0%
% 60+ who did not see a doctor when needed due to cost		7.5%	8.6%
# of primary care providers in county		13	3,571
# of rural health care centers in county		0	191
# of hospitals in county		1	101
# of home health agencies in county		0	45
# of nursing homes in county		1	204
# of community health centers in county		1	20
# of adult day health centers in county		0	8
# of hospice agencies in county		0	94

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COMMUNITY			
Particulate matter PM2.5		N/A	9.1
Ozone		N/A	0.361
Air pollution: annual # of unhealthy days for 65+		N/A	N/A
Age-friendly efforts in county		Not yet	Not yet
# of senior centers in county		0	115
% households that have smartphone (all ages)		11.5%	15.3%
% households without computer (all ages)	*	26.9%	13.5%
% households with access to Broadband (all ages)		69.4%	75.8%
% households without access to Internet (all ages)		30.0%	23.9%
Voter participation rate in 2020 presidential election (age 18+)		62.5%	61.2%
SAFETY & CRIME			
Homicide rate/100,000 persons		0.0	14.1
# firearm fatalities (all ages)		0	3,428
# 60+ deaths by suicide		0	562
TRANSPORTATION			
% 65+ who own a motor vehicle		84.8%	91.5%
% 60+ who always drive or ride wearing a seatbelt		86.5%	89.6%
# of fatal crashes involving adult age 60+		4	780
HOUSING			
% 65+ population who live alone		26.8%	28.1%
Average household size (all ages)		2.8	2.6
Median house value	*	$69,600	$125,500
% 60+ who own home		79.5%	82.7%
% 60+ homeowners who have mortgage		28.3%	32.1%
% 65+ households(renter) who spend >35% of income on housing	*	7.7%	33.5%
% 65+ households(owner) who spend >35% of income on housing		17.4%	15.2%
ECONOMIC			
% 60+ receiving food benefits in last year		16.2%	11.4%
% 65+ employed in last year	*	8.2%	15.6%
% 65+ with income below the poverty line in last year		17.0%	12.8%
65+ median household income	*	$26,544	$36,653
% 65+ households with annual income < $20,000		39.2%	27.4%
% 65+ households with annual income $20,000-$49,999		34.1%	35.5%
% 65+ households with annual income $50,000-$99,999		18.2%	24.6%
% 65+ households with annual income $100,000+		8.5%	12.5%

HEALTHY AGING INDICATORS	RATIO OF COUNTY TO STATE	$ COUNTY ESTIMATE	$ STATE ESTIMATE
Elder Index: COST OF LIVING			
Single, homeowner without mortgage, good health	0.99	$20,520	$20,760
Single, renter, good health	0.96	$22,968	$23,892
Couple, homeowner without mortgage, good health	0.99	$32,832	$33,264
Couple, renter, good health	0.97	$35,280	$36,396

TECHNICAL NOTES

**See our technical report for more information on data sources, measures, and methodology. For most indicators the county and state values are estimates derived from sample data. Thus, it is possible that some of the differences between state and county estimates may be due to chance associated with population sampling. We use the terms "Better" and "Worse" to highlight differences between county and state estimates that we are confident are not due to chance. "Better" is used where a higher/lower value has positive implications for the health of older residents. "Worse" is used where a higher/lower score has negative implications for the health of older people, and when the implication is unclear, we use an *. We balance two goals. First, we aim to report data at very local levels because we believe change is often locally driven. Second, we vowed to protect the privacy of the people providing the information reported. Thus, given the constraints of the data analyzed we used a hierarchical approach to reporting.*

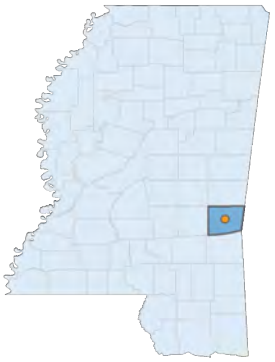
Data Sources:

- *Population Characteristics: The U.S. Census Bureau (American Community Survey 2016-2020) & Robert Wood Johnson Foundation (2020).*
- *COVID-19: Mississippi State Department of Health (MSDH; 2022).*
- *Wellness, Falls, Prevention: The Behavioral Risk Factor Surveillance System (BRFSS; 2013-2020), & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Chronic Disease: The Centers for Medicare and Medicaid Services (CMS) Select Chronic Conditions Database (2018).*
- *Nutrition/Diet, Oral Health: BRFSS (2013-2020) & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Behavioral Health, Mental Health: BRFSS (2013-2020), CMS (2018), & MSDH (2022).*
- *Living with Disability: ACS (2016-2020).*
- *Caregiving: ACS (2016-2020).*
- *Access to Care: BRFSS (2013-2020), CMS (2018), National Adult Day Service Association (June 2022), Community Health Center (Association of Mississippi; June 2022).*
- *Community: Environmental Protection Agency (EPA, 2020), BRFSS (2013-2020), ACS (2016-2020), AARP, & State of Mississippi (May 2022).*
- *Safety & Crime: CDC WONDER (2016-2020).*
- *Transportation: BRFSS (2013-2020), ACS (2016-2020), & Fatality Analysis Reporting System (FARS; 2016-2020).*
- *Housing & Economic: ACS (2016-2020).*
- *Elder Index: Center for Social and Demographic Research on Aging at the University of Massachusetts Boston (2022).*

Acknowledgments: Many people contributed to the MS Healthy Aging Data Report research. The University of Massachusetts Boston Gerontology Institute 2022 research team: Beth Dugan PhD, Nina Silverstein PhD, Chae Man Lee PhD, Taylor Jansen MS, Shu Xu MS, & Yanjhu Su MS. Dr. Kina White from the Mississippi State Department of Health provided important guidance and leadership.

Questions? Beth.Dugan@umb.edu

Clarke



POPULATION CHARACTERISTICS	County rate is significantly different than State rate	COUNTY ESTIMATE	STATE ESTIMATE
Total population all ages		15,612	2,981,835
Population 60 years or older as % of total population		28.0%	22.3%
Total population 60 years or older		4,366	663,581
Population 65 years or older as % of total population		20.4%	15.9%
Total population 65 years or older		3,189	474,270
% 65-74 years		57.9%	59.7%
% 75-84 years		34.5%	29.4%
% 85 years or older		7.6%	10.1%
% 65+ population who are female		55.6%	56.5%
% 85+ population who are female		81.1%	67.4%
Race and ethnicity of the population 65+			
% White		72.4%	70.9%
% African American		27.6%	26.9%
% Other race(s)		0.0%	2.2%
% Hispanic/Latino		0.5%	1.0%
Marital status of the population 65+			
% married	*	57.6%	53.1%
% divorced/separated		14.7%	14.5%
% widowed		21.8%	27.1%
% never married		5.8%	5.3%
Education of the population 65+			
% with less than high school education		19.8%	20.1%
% with high school or some college		64.4%	58.7%
% with college degree		11.5%	11.8%
% with graduate or professional degree	*	4.3%	9.4%
% of 65+ population who speak only English at home		99.2%	97.8%
% of 65+ population who are veterans of military service		13.5%	15.8%
Life expectancy at birth		73.2	74.6

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COVID-19			
Total COVID-19 cases since March 2020		4,232	797,161
COVID-19 mortality rate per 100,000 people		691.8	417.1
% of county received at least one vaccine dose		57.0%	53.7%
% of county fully vaccinated		52.0%	48.9%
WELLNESS			
% 60+ getting the recommended hours of sleep	B	73.0%	59.9%
% 60+ doing any physical activity within last month	B	74.6%	61.3%
% 60+ met CDC guidelines for muscle-strengthening activity		17.3%	19.0%
% 60+ met CDC guidelines for aerobic physical activity		44.7%	39.8%
% 60+ with fair or poor health status		36.8%	32.5%
% 60+ with 15+ physically unhealthy days in last month		14.5%	18.7%
FALLS			
% 60+ who fell within last year		25.7%	27.8%
% 60+ who were injured in a fall within last year		9.0%	10.6%
PREVENTION			
% 60+ with physical exam/check-up in last year		89.1%	89.0%
% 60+ had flu shot in last year		46.1%	57.6%
% 60+ had pneumonia vaccine		58.4%	58.9%
% 60+ had shingles vaccine		33.9%	24.4%
% 60+ women with a mammogram within last 2 years		73.2%	71.0%
% 60+ with colorectal cancer screening		60.0%	57.1%
% 60+ with HIV test		17.2%	20.8%
% 60+ met CDC preventive health screening goals		41.2%	26.2%
CHRONIC DISEASE			
% 65+ with Alzheimer’s disease or related dementias		16.6%	12.9%
% 65+ with arthritis		43.9%	39.8%
% 65+ with asthma		3.6%	3.7%
% 65+ with atrial fibrillation		9.0%	8.9%
% 65+ with cancer (breast, colorectal, lung, prostate)		8.4%	8.8%
% 65+ with chronic kidney disease		24.1%	25.3%
% 65+ with chronic obstructive pulmonary disease (COPD)		12.3%	12.6%
% 65+ with diabetes		30.1%	30.7%
% 65+ with high cholesterol		48.2%	48.9%
% 65+ with heart failure		15.6%	16.1%
% 65+ with hypertension		71.4%	67.9%
% 65+ with ischemic heart disease		30.0%	31.9%
% 65+ with osteoporosis		N/A	6.4%
% 65+ with stroke		4.3%	4.4%

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
NUTRITION & DIET			
% 60+ with 5 or more servings of fruits or vegetables per day		11.8%	11.1%
% 60+ self-reported obese		29.4%	36.0%
% 60+ with cholesterol screening		88.7%	94.7%
ORAL HEALTH			
% 60+ with annual dental exam		58.1%	56.3%
# of dentists per 100,000 persons (all ages)		19.6	42.1
% 60+ with loss of 6 or more teeth		35.9%	45.8%
BEHAVIORAL HEALTH			
# of drug overdose deaths (all ages)		0	2,137
% 60+ current smokers		15.4%	13.1%
% 65+ with alcohol abuse disorder		1.0%	1.3%
% 65+ with drug abuse/substance abuse disorder		5.5%	2.6%
MENTAL HEALTH			
% 60+ with 15+ days poor mental health in last month		9.2%	9.8%
% 65+ with depression		15.8%	16.4%
% 65+ with schizophrenia & other psychotic disorder		2.0%	2.2%
LIVING WITH DISABILITY			
% 65+ with self-reported hearing difficulty		16.1%	15.5%
% 65+ with self-reported vision difficulty	*	14.8%	8.7%
% 65+ with self-reported cognition difficulty		11.5%	11.2%
% 65+ with self-reported ambulatory difficulty		27.9%	28.0%
% 65+ with self-reported self-care difficulty	*	6.5%	10.2%
% 65+ with self-reported independent living difficulty		13.1%	17.3%
CAREGIVING			
% of grandparents raising grandchildren	*	2.3%	2.4%
% of grandparents who live with grandchildren	*	3.5%	4.7%
ACCESS TO CARE			
% 60+ with a regular doctor		90.4%	92.0%
% 60+ who did not see a doctor when needed due to cost		8.5%	8.6%
# of primary care providers in county		19	3,571
# of rural health care centers in county		2	191
# of hospitals in county		1	101
# of home health agencies in county		0	45
# of nursing homes in county		1	204
# of community health centers in county		1	20
# of adult day health centers in county		0	8
# of hospice agencies in county		1	94

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COMMUNITY			
Particulate matter PM2.5		N/A	9.1
Ozone		N/A	0.361
Air pollution: annual # of unhealthy days for 65+		N/A	N/A
Age-friendly efforts in county		Not yet	Not yet
# of senior centers in county		1	115
% households that have smartphone (all ages)		15.3%	15.3%
% households without computer (all ages)	*	19.9%	13.5%
% households with access to Broadband (all ages)	*	69.4%	75.8%
% households without access to Internet (all ages)	*	30.4%	23.9%
Voter participation rate in 2020 presidential election (age 18+)		68.2%	61.2%
SAFETY & CRIME			
Homicide rate/100,000 persons		0.0	14.1
# firearm fatalities (all ages)		17	3,428
# 60+ deaths by suicide		0	562
TRANSPORTATION			
% 65+ who own a motor vehicle		94.4%	91.5%
% 60+ who always drive or ride wearing a seatbelt		92.8%	89.6%
# of fatal crashes involving adult age 60+		9	780
HOUSING			
% 65+ population who live alone		30.8%	28.1%
Average household size (all ages)		2.5	2.6
Median house value	*	$81,100	$125,500
% 60+ who own home	*	94.4%	82.7%
% 60+ homeowners who have mortgage	*	14.4%	32.1%
% 65+ households(renter) who spend >35% of income on housing		44.4%	33.5%
% 65+ households(owner) who spend >35% of income on housing		16.6%	15.2%
ECONOMIC			
% 60+ receiving food benefits in last year		8.3%	11.4%
% 65+ employed in last year		11.8%	15.6%
% 65+ with income below the poverty line in last year		15.6%	12.8%
65+ median household income	*	$26,220	$36,653
% 65+ households with annual income < $20,000		34.7%	27.4%
% 65+ households with annual income $20,000-$49,999		39.2%	35.5%
% 65+ households with annual income $50,000-$99,999		21.8%	24.6%
% 65+ households with annual income $100,000+	*	4.4%	12.5%

HEALTHY AGING INDICATORS	RATIO OF COUNTY TO STATE	$ COUNTY ESTIMATE	$ STATE ESTIMATE
Elder Index: COST OF LIVING			
Single, homeowner without mortgage, good health	1.04	$21,612	$20,760
Single, renter, good health	1.00	$23,844	$23,892
Couple, homeowner without mortgage, good health	1.05	$34,932	$33,264
Couple, renter, good health	1.02	$37,164	$36,396

TECHNICAL NOTES

**See our technical report for more information on data sources, measures, and methodology. For most indicators the county and state values are estimates derived from sample data. Thus, it is possible that some of the differences between state and county estimates may be due to chance associated with population sampling. We use the terms "Better" and "Worse" to highlight differences between county and state estimates that we are confident are not due to chance. "Better" is used where a higher/lower value has positive implications for the health of older residents. "Worse" is used where a higher/lower score has negative implications for the health of older people, and when the implication is unclear, we use an *. We balance two goals. First, we aim to report data at very local levels because we believe change is often locally driven. Second, we vowed to protect the privacy of the people providing the information reported. Thus, given the constraints of the data analyzed we used a hierarchical approach to reporting.*

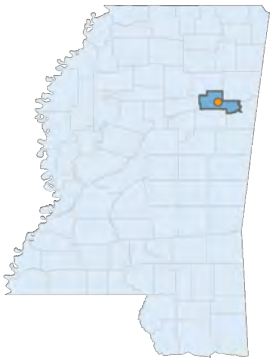
Data Sources:

- *Population Characteristics: The U.S. Census Bureau (American Community Survey 2016-2020) & Robert Wood Johnson Foundation (2020).*
- *COVID-19: Mississippi State Department of Health (MSDH; 2022).*
- *Wellness, Falls, Prevention: The Behavioral Risk Factor Surveillance System (BRFSS; 2013-2020), & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Chronic Disease: The Centers for Medicare and Medicaid Services (CMS) Select Chronic Conditions Database (2018).*
- *Nutrition/Diet, Oral Health: BRFSS (2013-2020) & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Behavioral Health, Mental Health: BRFSS (2013-2020), CMS (2018), & MSDH (2022).*
- *Living with Disability: ACS (2016-2020).*
- *Caregiving: ACS (2016-2020).*
- *Access to Care: BRFSS (2013-2020), CMS (2018), National Adult Day Service Association (June 2022), Community Health Center (Association of Mississippi; June 2022).*
- *Community: Environmental Protection Agency (EPA, 2020), BRFSS (2013-2020), ACS (2016-2020), AARP, & State of Mississippi (May 2022).*
- *Safety & Crime: CDC WONDER (2016-2020).*
- *Transportation: BRFSS (2013-2020), ACS (2016-2020), & Fatality Analysis Reporting System (FARS; 2016-2020).*
- *Housing & Economic: ACS (2016-2020).*
- *Elder Index: Center for Social and Demographic Research on Aging at the University of Massachusetts Boston (2022).*

Acknowledgments: Many people contributed to the MS Healthy Aging Data Report research. The University of Massachusetts Boston Gerontology Institute 2022 research team: Beth Dugan PhD, Nina Silverstein PhD, Chae Man Lee PhD, Taylor Jansen MS, Shu Xu MS, & Yanjhu Su MS. Dr. Kina White from the Mississippi State Department of Health provided important guidance and leadership.

Questions? Beth.Dugan@umb.edu

Clay



POPULATION CHARACTERISTICS	County rate is significantly different than State rate	COUNTY ESTIMATE	STATE ESTIMATE
Total population all ages		19,515	2,981,835
Population 60 years or older as % of total population		25.5%	22.3%
Total population 60 years or older		4,969	663,581
Population 65 years or older as % of total population		18.3%	15.9%
Total population 65 years or older		3,580	474,270
% 65-74 years		60.2%	59.7%
% 75-84 years		24.0%	29.4%
% 85 years or older		15.8%	10.1%
% 65+ population who are female		57.1%	56.5%
% 85+ population who are female		63.3%	67.4%
Race and ethnicity of the population 65+			
% White	*	56.3%	70.9%
% African American	*	41.6%	26.9%
% Other race(s)		2.1%	2.2%
% Hispanic/Latino		0.0%	1.0%
Marital status of the population 65+			
% married	*	57.3%	53.1%
% divorced/separated		12.5%	14.5%
% widowed		25.5%	27.1%
% never married		4.6%	5.3%
Education of the population 65+			
% with less than high school education		24.4%	20.1%
% with high school or some college		57.8%	58.7%
% with college degree		10.3%	11.8%
% with graduate or professional degree		7.4%	9.4%
% of 65+ population who speak only English at home		100.0%	97.8%
% of 65+ population who are veterans of military service		16.2%	15.8%
Life expectancy at birth		76.2	74.6

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COVID-19			
Total COVID-19 cases since March 2020		4,965	797,161
COVID-19 mortality rate per 100,000 people		502.2	417.1
% of county received at least one vaccine dose		51.0%	53.7%
% of county fully vaccinated		48.0%	48.9%
WELLNESS			
% 60+ getting the recommended hours of sleep		66.3%	59.9%
% 60+ doing any physical activity within last month		56.7%	61.3%
% 60+ met CDC guidelines for muscle-strengthening activity		16.8%	19.0%
% 60+ met CDC guidelines for aerobic physical activity		43.2%	39.8%
% 60+ with fair or poor health status		39.5%	32.5%
% 60+ with 15+ physically unhealthy days in last month		17.1%	18.7%
FALLS			
% 60+ who fell within last year		25.1%	27.8%
% 60+ who were injured in a fall within last year		9.3%	10.6%
PREVENTION			
% 60+ with physical exam/check-up in last year		88.0%	89.0%
% 60+ had flu shot in last year		61.7%	57.6%
% 60+ had pneumonia vaccine		50.7%	58.9%
% 60+ had shingles vaccine		18.6%	24.4%
% 60+ women with a mammogram within last 2 years		74.6%	71.0%
% 60+ with colorectal cancer screening		51.6%	57.1%
% 60+ with HIV test	*	10.5%	20.8%
% 60+ met CDC preventive health screening goals		22.5%	26.2%
CHRONIC DISEASE			
% 65+ with Alzheimer’s disease or related dementias		12.8%	12.9%
% 65+ with arthritis		36.2%	39.8%
% 65+ with asthma		3.7%	3.7%
% 65+ with atrial fibrillation		7.9%	8.9%
% 65+ with cancer (breast, colorectal, lung, prostate)		8.8%	8.8%
% 65+ with chronic kidney disease		27.4%	25.3%
% 65+ with chronic obstructive pulmonary disease (COPD)		11.7%	12.6%
% 65+ with diabetes		31.8%	30.7%
% 65+ with high cholesterol		40.5%	48.9%
% 65+ with heart failure		15.9%	16.1%
% 65+ with hypertension		63.0%	67.9%
% 65+ with ischemic heart disease		28.0%	31.9%
% 65+ with osteoporosis		N/A	6.4%
% 65+ with stroke		4.2%	4.4%

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
NUTRITION & DIET			
% 60+ with 5 or more servings of fruits or vegetables per day		10.1%	11.1%
% 60+ self-reported obese		43.6%	36.0%
% 60+ with cholesterol screening		90.1%	94.7%
ORAL HEALTH			
% 60+ with annual dental exam		53.8%	56.3%
# of dentists per 100,000 persons (all ages)		15.5	42.1
% 60+ with loss of 6 or more teeth		51.7%	45.8%
BEHAVIORAL HEALTH			
# of drug overdose deaths (all ages)		0	2,137
% 60+ current smokers		10.9%	13.1%
% 65+ with alcohol abuse disorder		2.3%	1.3%
% 65+ with drug abuse/substance abuse disorder		2.8%	2.6%
MENTAL HEALTH			
% 60+ with 15+ days poor mental health in last month		8.3%	9.8%
% 65+ with depression		11.9%	16.4%
% 65+ with schizophrenia & other psychotic disorder		1.9%	2.2%
LIVING WITH DISABILITY			
% 65+ with self-reported hearing difficulty	*	6.6%	15.5%
% 65+ with self-reported vision difficulty		8.6%	8.7%
% 65+ with self-reported cognition difficulty		11.9%	11.2%
% 65+ with self-reported ambulatory difficulty	*	18.3%	28.0%
% 65+ with self-reported self-care difficulty		9.2%	10.2%
% 65+ with self-reported independent living difficulty		13.5%	17.3%
CAREGIVING			
% of grandparents raising grandchildren	*	2.1%	2.4%
% of grandparents who live with grandchildren	*	2.6%	4.7%
ACCESS TO CARE			
% 60+ with a regular doctor		89.8%	92.0%
% 60+ who did not see a doctor when needed due to cost		7.3%	8.6%
# of primary care providers in county		9	3,571
# of rural health care centers in county		2	191
# of hospitals in county		1	101
# of home health agencies in county		0	45
# of nursing homes in county		2	204
# of community health centers in county		0	20
# of adult day health centers in county		0	8
# of hospice agencies in county		0	94

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COMMUNITY			
Particulate matter PM2.5		N/A	9.1
Ozone		N/A	0.361
Air pollution: annual # of unhealthy days for 65+		N/A	N/A
Age-friendly efforts in county		Not yet	Not yet
# of senior centers in county		0	115
% households that have smartphone (all ages)	*	21.2%	15.3%
% households without computer (all ages)	*	17.8%	13.5%
% households with access to Broadband (all ages)		77.2%	75.8%
% households without access to Internet (all ages)		22.6%	23.9%
Voter participation rate in 2020 presidential election (age 18+)		68.9%	61.2%
SAFETY & CRIME			
Homicide rate/100,000 persons		0.0	14.1
# firearm fatalities (all ages)		15	3,428
# 60+ deaths by suicide		0	562
TRANSPORTATION			
% 65+ who own a motor vehicle		88.7%	91.5%
% 60+ who always drive or ride wearing a seatbelt	W	79.0%	89.6%
# of fatal crashes involving adult age 60+		4	780
HOUSING			
% 65+ population who live alone		26.4%	28.1%
Average household size (all ages)		2.5	2.6
Median house value	*	$96,700	$125,500
% 60+ who own home		84.1%	82.7%
% 60+ homeowners who have mortgage		24.3%	32.1%
% 65+ households(renter) who spend >35% of income on housing		51.1%	33.5%
% 65+ households(owner) who spend >35% of income on housing		18.1%	15.2%
ECONOMIC			
% 60+ receiving food benefits in last year		10.4%	11.4%
% 65+ employed in last year	*	10.4%	15.6%
% 65+ with income below the poverty line in last year		16.2%	12.8%
65+ median household income	*	$26,550	$36,653
% 65+ households with annual income < $20,000		35.3%	27.4%
% 65+ households with annual income $20,000-$49,999		42.1%	35.5%
% 65+ households with annual income $50,000-$99,999	*	14.2%	24.6%
% 65+ households with annual income $100,000+		8.4%	12.5%

HEALTHY AGING INDICATORS	RATIO OF COUNTY TO STATE	$ COUNTY ESTIMATE	$ STATE ESTIMATE
Elder Index: COST OF LIVING			
Single, homeowner without mortgage, good health	1.04	$21,648	$20,760
Single, renter, good health	0.99	$23,700	$23,892
Couple, homeowner without mortgage, good health	1.05	$34,968	$33,264
Couple, renter, good health	1.02	$37,020	$36,396

TECHNICAL NOTES

**See our technical report for more information on data sources, measures, and methodology. For most indicators the county and state values are estimates derived from sample data. Thus, it is possible that some of the differences between state and county estimates may be due to chance associated with population sampling. We use the terms "Better" and "Worse" to highlight differences between county and state estimates that we are confident are not due to chance. "Better" is used where a higher/lower value has positive implications for the health of older residents. "Worse" is used where a higher/lower score has negative implications for the health of older people, and when the implication is unclear, we use an *. We balance two goals. First, we aim to report data at very local levels because we believe change is often locally driven. Second, we vowed to protect the privacy of the people providing the information reported. Thus, given the constraints of the data analyzed we used a hierarchical approach to reporting.*

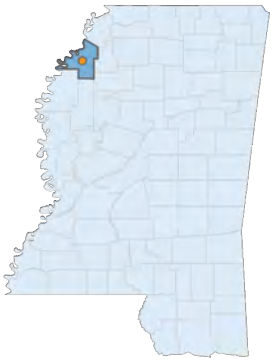
Data Sources:

- *Population Characteristics: The U.S. Census Bureau (American Community Survey 2016-2020) & Robert Wood Johnson Foundation (2020).*
- *COVID-19: Mississippi State Department of Health (MSDH; 2022).*
- *Wellness, Falls, Prevention: The Behavioral Risk Factor Surveillance System (BRFSS; 2013-2020), & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Chronic Disease: The Centers for Medicare and Medicaid Services (CMS) Select Chronic Conditions Database (2018).*
- *Nutrition/Diet, Oral Health: BRFSS (2013-2020) & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Behavioral Health, Mental Health: BRFSS (2013-2020), CMS (2018), & MSDH (2022).*
- *Living with Disability: ACS (2016-2020).*
- *Caregiving: ACS (2016-2020).*
- *Access to Care: BRFSS (2013-2020), CMS (2018), National Adult Day Service Association (June 2022), Community Health Center (Association of Mississippi; June 2022).*
- *Community: Environmental Protection Agency (EPA, 2020), BRFSS (2013-2020), ACS (2016-2020), AARP, & State of Mississippi (May 2022).*
- *Safety & Crime: CDC WONDER (2016-2020).*
- *Transportation: BRFSS (2013-2020), ACS (2016-2020), & Fatality Analysis Reporting System (FARS; 2016-2020).*
- *Housing & Economic: ACS (2016-2020).*
- *Elder Index: Center for Social and Demographic Research on Aging at the University of Massachusetts Boston (2022).*

Acknowledgments: Many people contributed to the MS Healthy Aging Data Report research. The University of Massachusetts Boston Gerontology Institute 2022 research team: Beth Dugan PhD, Nina Silverstein PhD, Chae Man Lee PhD, Taylor Jansen MS, Shu Xu MS, & Yanjhu Su MS. Dr. Kina White from the Mississippi State Department of Health provided important guidance and leadership.

Questions? Beth.Dugan@umb.edu

Coahoma



POPULATION CHARACTERISTICS	County rate is significantly different than State rate	COUNTY ESTIMATE	STATE ESTIMATE
Total population all ages		22,685	2,981,835
Population 60 years or older as % of total population		21.8%	22.3%
Total population 60 years or older		4,952	663,581
Population 65 years or older as % of total population		15.1%	15.9%
Total population 65 years or older		3,436	474,270
% 65-74 years		63.2%	59.7%
% 75-84 years		24.4%	29.4%
% 85 years or older		12.5%	10.1%
% 65+ population who are female		57.5%	56.5%
% 85+ population who are female		81.8%	67.4%
Race and ethnicity of the population 65+			
% White	*	39.1%	70.9%
% African American	*	59.5%	26.9%
% Other race(s)		1.4%	2.2%
% Hispanic/Latino		1.3%	1.0%
Marital status of the population 65+			
% married	*	43.7%	53.1%
% divorced/separated		10.8%	14.5%
% widowed		33.4%	27.1%
% never married	*	12.1%	5.3%
Education of the population 65+			
% with less than high school education	*	27.9%	20.1%
% with high school or some college	*	51.9%	58.7%
% with college degree		11.9%	11.8%
% with graduate or professional degree		8.3%	9.4%
% of 65+ population who speak only English at home		98.7%	97.8%
% of 65+ population who are veterans of military service		14.7%	15.8%
Life expectancy at birth		71.2	74.6

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COVID-19			
Total COVID-19 cases since March 2020		6,464	797,161
COVID-19 mortality rate per 100,000 people		555.4	417.1
% of county received at least one vaccine dose		56.0%	53.7%
% of county fully vaccinated		52.0%	48.9%
WELLNESS			
% 60+ getting the recommended hours of sleep		59.6%	59.9%
% 60+ doing any physical activity within last month		52.0%	61.3%
% 60+ met CDC guidelines for muscle-strengthening activity		23.0%	19.0%
% 60+ met CDC guidelines for aerobic physical activity	W	26.9%	39.8%
% 60+ with fair or poor health status		36.2%	32.5%
% 60+ with 15+ physically unhealthy days in last month		21.1%	18.7%
FALLS			
% 60+ who fell within last year		28.1%	27.8%
% 60+ who were injured in a fall within last year		11.9%	10.6%
PREVENTION			
% 60+ with physical exam/check-up in last year		88.5%	89.0%
% 60+ had flu shot in last year		50.3%	57.6%
% 60+ had pneumonia vaccine	W	47.2%	58.9%
% 60+ had shingles vaccine		20.3%	24.4%
% 60+ women with a mammogram within last 2 years		63.0%	71.0%
% 60+ with colorectal cancer screening	W	41.7%	57.1%
% 60+ with HIV test		19.4%	20.8%
% 60+ met CDC preventive health screening goals	W	16.1%	26.2%
CHRONIC DISEASE			
% 65+ with Alzheimer’s disease or related dementias		14.4%	12.9%
% 65+ with arthritis		31.5%	39.8%
% 65+ with asthma		3.4%	3.7%
% 65+ with atrial fibrillation		7.9%	8.9%
% 65+ with cancer (breast, colorectal, lung, prostate)		7.9%	8.8%
% 65+ with chronic kidney disease		32.6%	25.3%
% 65+ with chronic obstructive pulmonary disease (COPD)		10.5%	12.6%
% 65+ with diabetes		37.2%	30.7%
% 65+ with high cholesterol		44.9%	48.9%
% 65+ with heart failure		19.5%	16.1%
% 65+ with hypertension		73.0%	67.9%
% 65+ with ischemic heart disease		33.1%	31.9%
% 65+ with osteoporosis		N/A	6.4%
% 65+ with stroke		3.2%	4.4%

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
NUTRITION & DIET			
% 60+ with 5 or more servings of fruits or vegetables per day		9.9%	11.1%
% 60+ self-reported obese		34.3%	36.0%
% 60+ with cholesterol screening		96.0%	94.7%
ORAL HEALTH			
% 60+ with annual dental exam	W	41.6%	56.3%
# of dentists per 100,000 persons (all ages)		27.8	42.1
% 60+ with loss of 6 or more teeth		48.8%	45.8%
BEHAVIORAL HEALTH			
# of drug overdose deaths (all ages)		17	2,137
% 60+ current smokers		14.3%	13.1%
% 65+ with alcohol abuse disorder		2.9%	1.3%
% 65+ with drug abuse/substance abuse disorder		1.6%	2.6%
MENTAL HEALTH			
% 60+ with 15+ days poor mental health in last month		9.2%	9.8%
% 65+ with depression		11.2%	16.4%
% 65+ with schizophrenia & other psychotic disorder		2.8%	2.2%
LIVING WITH DISABILITY			
% 65+ with self-reported hearing difficulty	*	6.2%	15.5%
% 65+ with self-reported vision difficulty		6.5%	8.7%
% 65+ with self-reported cognition difficulty	*	7.2%	11.2%
% 65+ with self-reported ambulatory difficulty		23.5%	28.0%
% 65+ with self-reported self-care difficulty		10.3%	10.2%
% 65+ with self-reported independent living difficulty		17.5%	17.3%
CAREGIVING			
% of grandparents raising grandchildren		3.8%	2.4%
% of grandparents who live with grandchildren		6.6%	4.7%
ACCESS TO CARE			
% 60+ with a regular doctor		89.4%	92.0%
% 60+ who did not see a doctor when needed due to cost		8.6%	8.6%
# of primary care providers in county		29	3,571
# of rural health care centers in county		2	191
# of hospitals in county		1	101
# of home health agencies in county		1	45
# of nursing homes in county		2	204
# of community health centers in county		1	20
# of adult day health centers in county		0	8
# of hospice agencies in county		1	94

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COMMUNITY			
Particulate matter PM2.5		N/A	9.1
Ozone		N/A	0.361
Air pollution: annual # of unhealthy days for 65+		N/A	N/A
Age-friendly efforts in county		Not yet	Not yet
# of senior centers in county		1	115
% households that have smartphone (all ages)		17.7%	15.3%
% households without computer (all ages)	*	20.4%	13.5%
% households with access to Broadband (all ages)	*	66.6%	75.8%
% households without access to Internet (all ages)	*	32.7%	23.9%
Voter participation rate in 2020 presidential election (age 18+)		46.0%	61.2%
SAFETY & CRIME			
Homicide rate/100,000 persons		30.0	14.1
# firearm fatalities (all ages)		36	3,428
# 60+ deaths by suicide		0	562
TRANSPORTATION			
% 65+ who own a motor vehicle		88.5%	91.5%
% 60+ who always drive or ride wearing a seatbelt	W	80.7%	89.6%
# of fatal crashes involving adult age 60+		8	780
HOUSING			
% 65+ population who live alone		31.3%	28.1%
Average household size (all ages)		2.5	2.6
Median house value	*	$67,900	$125,500
% 60+ who own home	*	72.4%	82.7%
% 60+ homeowners who have mortgage	*	23.1%	32.1%
% 65+ households(renter) who spend >35% of income on housing		21.0%	33.5%
% 65+ households(owner) who spend >35% of income on housing	*	9.6%	15.2%
ECONOMIC			
% 60+ receiving food benefits in last year	*	24.5%	11.4%
% 65+ employed in last year		14.5%	15.6%
% 65+ with income below the poverty line in last year		15.8%	12.8%
65+ median household income		$30,340	$36,653
% 65+ households with annual income < $20,000		33.7%	27.4%
% 65+ households with annual income $20,000-$49,999		36.5%	35.5%
% 65+ households with annual income $50,000-$99,999		19.8%	24.6%
% 65+ households with annual income $100,000+		9.9%	12.5%

HEALTHY AGING INDICATORS	RATIO OF COUNTY TO STATE	$ COUNTY ESTIMATE	$ STATE ESTIMATE
Elder Index: COST OF LIVING			
Single, homeowner without mortgage, good health	1.06	$21,984	$20,760
Single, renter, good health	0.98	$23,424	$23,892
Couple, homeowner without mortgage, good health	1.06	$35,304	$33,264
Couple, renter, good health	1.01	$36,744	$36,396

TECHNICAL NOTES

**See our technical report for more information on data sources, measures, and methodology. For most indicators the county and state values are estimates derived from sample data. Thus, it is possible that some of the differences between state and county estimates may be due to chance associated with population sampling. We use the terms "Better" and "Worse" to highlight differences between county and state estimates that we are confident are not due to chance. "Better" is used where a higher/lower value has positive implications for the health of older residents. "Worse" is used where a higher/lower score has negative implications for the health of older people, and when the implication is unclear, we use an *. We balance two goals. First, we aim to report data at very local levels because we believe change is often locally driven. Second, we vowed to protect the privacy of the people providing the information reported. Thus, given the constraints of the data analyzed we used a hierarchical approach to reporting.*

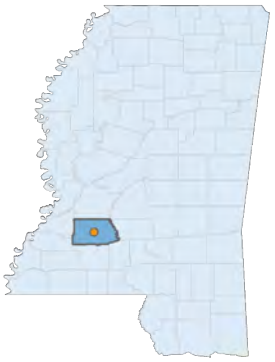
Data Sources:

- *Population Characteristics: The U.S. Census Bureau (American Community Survey 2016-2020) & Robert Wood Johnson Foundation (2020).*
- *COVID-19: Mississippi State Department of Health (MSDH; 2022).*
- *Wellness, Falls, Prevention: The Behavioral Risk Factor Surveillance System (BRFSS; 2013-2020), & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Chronic Disease: The Centers for Medicare and Medicaid Services (CMS) Select Chronic Conditions Database (2018).*
- *Nutrition/Diet, Oral Health: BRFSS (2013-2020) & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Behavioral Health, Mental Health: BRFSS (2013-2020), CMS (2018), & MSDH (2022).*
- *Living with Disability: ACS (2016-2020).*
- *Caregiving: ACS (2016-2020).*
- *Access to Care: BRFSS (2013-2020), CMS (2018), National Adult Day Service Association (June 2022), Community Health Center (Association of Mississippi; June 2022).*
- *Community: Environmental Protection Agency (EPA, 2020), BRFSS (2013-2020), ACS (2016-2020), AARP, & State of Mississippi (May 2022).*
- *Safety & Crime: CDC WONDER (2016-2020).*
- *Transportation: BRFSS (2013-2020), ACS (2016-2020), & Fatality Analysis Reporting System (FARS; 2016-2020).*
- *Housing & Economic: ACS (2016-2020).*
- *Elder Index: Center for Social and Demographic Research on Aging at the University of Massachusetts Boston (2022).*

Acknowledgments: Many people contributed to the MS Healthy Aging Data Report research. The University of Massachusetts Boston Gerontology Institute 2022 research team: Beth Dugan PhD, Nina Silverstein PhD, Chae Man Lee PhD, Taylor Jansen MS, Shu Xu MS, & Yanjhu Su MS. Dr. Kina White from the Mississippi State Department of Health provided important guidance and leadership.

Questions? Beth.Dugan@umb.edu

Copiah



POPULATION CHARACTERISTICS	County rate is significantly different than State rate	COUNTY ESTIMATE	STATE ESTIMATE
Total population all ages		28,339	2,981,835
Population 60 years or older as % of total population		23.2%	22.3%
Total population 60 years or older		6,573	663,581
Population 65 years or older as % of total population		17.4%	15.9%
Total population 65 years or older		4,923	474,270
% 65-74 years		59.6%	59.7%
% 75-84 years		30.1%	29.4%
% 85 years or older		10.4%	10.1%
% 65+ population who are female		56.4%	56.5%
% 85+ population who are female		68.9%	67.4%
Race and ethnicity of the population 65+			
% White	*	61.5%	70.9%
% African American	*	37.7%	26.9%
% Other race(s)		0.8%	2.2%
% Hispanic/Latino		0.0%	1.0%
Marital status of the population 65+			
% married		56.3%	53.1%
% divorced/separated		12.7%	14.5%
% widowed		24.5%	27.1%
% never married		6.5%	5.3%
Education of the population 65+			
% with less than high school education		21.4%	20.1%
% with high school or some college		63.1%	58.7%
% with college degree	*	7.7%	11.8%
% with graduate or professional degree		7.8%	9.4%
% of 65+ population who speak only English at home		99.5%	97.8%
% of 65+ population who are veterans of military service		14.0%	15.8%
Life expectancy at birth		74.9	74.6

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COVID-19			
Total COVID-19 cases since March 2020		7,216	797,161
COVID-19 mortality rate per 100,000 people		427.0	417.1
% of county received at least one vaccine dose		59.0%	53.7%
% of county fully vaccinated		55.0%	48.9%
WELLNESS			
% 60+ getting the recommended hours of sleep		64.6%	59.9%
% 60+ doing any physical activity within last month		55.9%	61.3%
% 60+ met CDC guidelines for muscle-strengthening activity		14.2%	19.0%
% 60+ met CDC guidelines for aerobic physical activity		39.6%	39.8%
% 60+ with fair or poor health status		36.4%	32.5%
% 60+ with 15+ physically unhealthy days in last month		20.0%	18.7%
FALLS			
% 60+ who fell within last year		27.4%	27.8%
% 60+ who were injured in a fall within last year		10.1%	10.6%
PREVENTION			
% 60+ with physical exam/check-up in last year		88.0%	89.0%
% 60+ had flu shot in last year		61.5%	57.6%
% 60+ had pneumonia vaccine		60.6%	58.9%
% 60+ had shingles vaccine		29.2%	24.4%
% 60+ women with a mammogram within last 2 years		80.4%	71.0%
% 60+ with colorectal cancer screening		60.8%	57.1%
% 60+ with HIV test		22.6%	20.8%
% 60+ met CDC preventive health screening goals		23.6%	26.2%
CHRONIC DISEASE			
% 65+ with Alzheimer’s disease or related dementias		13.1%	12.9%
% 65+ with arthritis		35.8%	39.8%
% 65+ with asthma		4.1%	3.7%
% 65+ with atrial fibrillation		7.0%	8.9%
% 65+ with cancer (breast, colorectal, lung, prostate)		8.0%	8.8%
% 65+ with chronic kidney disease		22.0%	25.3%
% 65+ with chronic obstructive pulmonary disease (COPD)		12.2%	12.6%
% 65+ with diabetes		29.4%	30.7%
% 65+ with high cholesterol		38.0%	48.9%
% 65+ with heart failure		14.0%	16.1%
% 65+ with hypertension		59.5%	67.9%
% 65+ with ischemic heart disease		27.9%	31.9%
% 65+ with osteoporosis		N/A	6.4%
% 65+ with stroke		5.1%	4.4%

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
NUTRITION & DIET			
% 60+ with 5 or more servings of fruits or vegetables per day		11.5%	11.1%
% 60+ self-reported obese		39.6%	36.0%
% 60+ with cholesterol screening		93.8%	94.7%
ORAL HEALTH			
% 60+ with annual dental exam		56.8%	56.3%
# of dentists per 100,000 persons (all ages)		32.2	42.1
% 60+ with loss of 6 or more teeth		52.0%	45.8%
BEHAVIORAL HEALTH			
# of drug overdose deaths (all ages)		12	2,137
% 60+ current smokers		13.8%	13.1%
% 65+ with alcohol abuse disorder		0.9%	1.3%
% 65+ with drug abuse/substance abuse disorder		1.5%	2.6%
MENTAL HEALTH			
% 60+ with 15+ days poor mental health in last month		9.5%	9.8%
% 65+ with depression		15.8%	16.4%
% 65+ with schizophrenia & other psychotic disorder		2.8%	2.2%
LIVING WITH DISABILITY			
% 65+ with self-reported hearing difficulty	*	8.5%	15.5%
% 65+ with self-reported vision difficulty	*	3.9%	8.7%
% 65+ with self-reported cognition difficulty		10.3%	11.2%
% 65+ with self-reported ambulatory difficulty		24.4%	28.0%
% 65+ with self-reported self-care difficulty		11.3%	10.2%
% 65+ with self-reported independent living difficulty		19.7%	17.3%
CAREGIVING			
% of grandparents raising grandchildren		1.5%	2.4%
% of grandparents who live with grandchildren		5.2%	4.7%
ACCESS TO CARE			
% 60+ with a regular doctor	B	96.3%	92.0%
% 60+ who did not see a doctor when needed due to cost		7.5%	8.6%
# of primary care providers in county		20	3,571
# of rural health care centers in county		0	191
# of hospitals in county		1	101
# of home health agencies in county		1	45
# of nursing homes in county		2	204
# of community health centers in county		0	20
# of adult day health centers in county		0	8
# of hospice agencies in county		0	94

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COMMUNITY			
Particulate matter PM2.5		N/A	9.1
Ozone		N/A	0.361
Air pollution: annual # of unhealthy days for 65+		N/A	N/A
Age-friendly efforts in county		Not yet	Not yet
# of senior centers in county		1	115
% households that have smartphone (all ages)		14.6%	15.3%
% households without computer (all ages)	*	22.6%	13.5%
% households with access to Broadband (all ages)	*	56.9%	75.8%
% households without access to Internet (all ages)	*	42.8%	23.9%
Voter participation rate in 2020 presidential election (age 18+)		62.8%	61.2%
SAFETY & CRIME			
Homicide rate/100,000 persons		11.3	14.1
# firearm fatalities (all ages)		29	3,428
# 60+ deaths by suicide		0	562
TRANSPORTATION			
% 65+ who own a motor vehicle		93.6%	91.5%
% 60+ who always drive or ride wearing a seatbelt		86.5%	89.6%
# of fatal crashes involving adult age 60+		10	780
HOUSING			
% 65+ population who live alone		23.1%	28.1%
Average household size (all ages)	*	2.9	2.6
Median house value	*	$88,900	$125,500
% 60+ who own home	*	86.6%	82.7%
% 60+ homeowners who have mortgage	*	19.3%	32.1%
% 65+ households(renter) who spend >35% of income on housing		29.9%	33.5%
% 65+ households(owner) who spend >35% of income on housing		13.0%	15.2%
ECONOMIC			
% 60+ receiving food benefits in last year		11.9%	11.4%
% 65+ employed in last year		13.5%	15.6%
% 65+ with income below the poverty line in last year		12.5%	12.8%
65+ median household income	*	$43,083	$36,653
% 65+ households with annual income < $20,000		23.8%	27.4%
% 65+ households with annual income $20,000-$49,999		37.7%	35.5%
% 65+ households with annual income $50,000-$99,999		30.9%	24.6%
% 65+ households with annual income $100,000+	*	7.6%	12.5%

HEALTHY AGING INDICATORS	RATIO OF COUNTY TO STATE	$ COUNTY ESTIMATE	$ STATE ESTIMATE
Elder Index: COST OF LIVING			
Single, homeowner without mortgage, good health	0.99	$20,520	$20,760
Single, renter, good health	1.04	$24,852	$23,892
Couple, homeowner without mortgage, good health	0.97	$32,352	$33,264
Couple, renter, good health	1.01	$36,684	$36,396

TECHNICAL NOTES

**See our technical report for more information on data sources, measures, and methodology. For most indicators the county and state values are estimates derived from sample data. Thus, it is possible that some of the differences between state and county estimates may be due to chance associated with population sampling. We use the terms "Better" and "Worse" to highlight differences between county and state estimates that we are confident are not due to chance. "Better" is used where a higher/lower value has positive implications for the health of older residents. "Worse" is used where a higher/lower score has negative implications for the health of older people, and when the implication is unclear, we use an *. We balance two goals. First, we aim to report data at very local levels because we believe change is often locally driven. Second, we vowed to protect the privacy of the people providing the information reported. Thus, given the constraints of the data analyzed we used a hierarchical approach to reporting.*

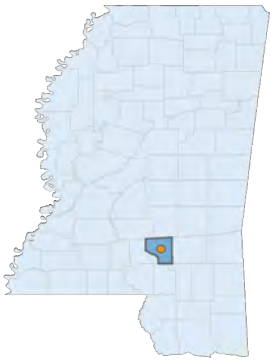
Data Sources:

- *Population Characteristics: The U.S. Census Bureau (American Community Survey 2016-2020) & Robert Wood Johnson Foundation (2020).*
- *COVID-19: Mississippi State Department of Health (MSDH; 2022).*
- *Wellness, Falls, Prevention: The Behavioral Risk Factor Surveillance System (BRFSS; 2013-2020), & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Chronic Disease: The Centers for Medicare and Medicaid Services (CMS) Select Chronic Conditions Database (2018).*
- *Nutrition/Diet, Oral Health: BRFSS (2013-2020) & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Behavioral Health, Mental Health: BRFSS (2013-2020), CMS (2018), & MSDH (2022).*
- *Living with Disability: ACS (2016-2020).*
- *Caregiving: ACS (2016-2020).*
- *Access to Care: BRFSS (2013-2020), CMS (2018), National Adult Day Service Association (June 2022), Community Health Center (Association of Mississippi; June 2022).*
- *Community: Environmental Protection Agency (EPA, 2020), BRFSS (2013-2020), ACS (2016-2020), AARP, & State of Mississippi (May 2022).*
- *Safety & Crime: CDC WONDER (2016-2020).*
- *Transportation: BRFSS (2013-2020), ACS (2016-2020), & Fatality Analysis Reporting System (FARS; 2016-2020).*
- *Housing & Economic: ACS (2016-2020).*
- *Elder Index: Center for Social and Demographic Research on Aging at the University of Massachusetts Boston (2022).*

Acknowledgments: Many people contributed to the MS Healthy Aging Data Report research. The University of Massachusetts Boston Gerontology Institute 2022 research team: Beth Dugan PhD, Nina Silverstein PhD, Chae Man Lee PhD, Taylor Jansen MS, Shu Xu MS, & Yanjhu Su MS. Dr. Kina White from the Mississippi State Department of Health provided important guidance and leadership.

Questions? Beth.Dugan@umb.edu

Covington



POPULATION CHARACTERISTICS	County rate is significantly different than State rate	COUNTY ESTIMATE	STATE ESTIMATE
Total population all ages		18,810	2,981,835
Population 60 years or older as % of total population		23.3%	22.3%
Total population 60 years or older		4,391	663,581
Population 65 years or older as % of total population		17.1%	15.9%
Total population 65 years or older		3,212	474,270
% 65-74 years		58.1%	59.7%
% 75-84 years		30.2%	29.4%
% 85 years or older		11.7%	10.1%
% 65+ population who are female		55.7%	56.5%
% 85+ population who are female		65.3%	67.4%
Race and ethnicity of the population 65+			
% White		74.1%	70.9%
% African American		25.9%	26.9%
% Other race(s)		0.0%	2.2%
% Hispanic/Latino		3.6%	1.0%
Marital status of the population 65+			
% married		59.2%	53.1%
% divorced/separated	*	9.0%	14.5%
% widowed		25.6%	27.1%
% never married		6.2%	5.3%
Education of the population 65+			
% with less than high school education	*	28.0%	20.1%
% with high school or some college		59.8%	58.7%
% with college degree	*	7.9%	11.8%
% with graduate or professional degree	*	4.3%	9.4%
% of 65+ population who speak only English at home		100.0%	97.8%
% of 65+ population who are veterans of military service		19.5%	15.8%
Life expectancy at birth		72.3	74.6

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COVID-19			
Total COVID-19 cases since March 2020		7,075	797,161
COVID-19 mortality rate per 100,000 people		600.7	417.1
% of county received at least one vaccine dose		55.0%	53.7%
% of county fully vaccinated		51.0%	48.9%
WELLNESS			
% 60+ getting the recommended hours of sleep		56.7%	59.9%
% 60+ doing any physical activity within last month	W	52.3%	61.3%
% 60+ met CDC guidelines for muscle-strengthening activity		14.6%	19.0%
% 60+ met CDC guidelines for aerobic physical activity		34.1%	39.8%
% 60+ with fair or poor health status		36.1%	32.5%
% 60+ with 15+ physically unhealthy days in last month		25.4%	18.7%
FALLS			
% 60+ who fell within last year		26.5%	27.8%
% 60+ who were injured in a fall within last year		11.3%	10.6%
PREVENTION			
% 60+ with physical exam/check-up in last year		90.7%	89.0%
% 60+ had flu shot in last year		52.0%	57.6%
% 60+ had pneumonia vaccine		54.3%	58.9%
% 60+ had shingles vaccine		17.4%	24.4%
% 60+ women with a mammogram within last 2 years		74.0%	71.0%
% 60+ with colorectal cancer screening		60.0%	57.1%
% 60+ with HIV test		21.7%	20.8%
% 60+ met CDC preventive health screening goals		28.3%	26.2%
CHRONIC DISEASE			
% 65+ with Alzheimer’s disease or related dementias		14.5%	12.9%
% 65+ with arthritis		48.8%	39.8%
% 65+ with asthma		4.7%	3.7%
% 65+ with atrial fibrillation		N/A	8.9%
% 65+ with cancer (breast, colorectal, lung, prostate)		9.5%	8.8%
% 65+ with chronic kidney disease		26.8%	25.3%
% 65+ with chronic obstructive pulmonary disease (COPD)		15.8%	12.6%
% 65+ with diabetes		30.2%	30.7%
% 65+ with high cholesterol		57.7%	48.9%
% 65+ with heart failure		15.9%	16.1%
% 65+ with hypertension		74.6%	67.9%
% 65+ with ischemic heart disease		37.8%	31.9%
% 65+ with osteoporosis		9.9%	6.4%
% 65+ with stroke		4.9%	4.4%

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
NUTRITION & DIET			
% 60+ with 5 or more servings of fruits or vegetables per day		10.1%	11.1%
% 60+ self-reported obese		37.8%	36.0%
% 60+ with cholesterol screening		96.5%	94.7%
ORAL HEALTH			
% 60+ with annual dental exam		54.0%	56.3%
# of dentists per 100,000 persons (all ages)		16.2	42.1
% 60+ with loss of 6 or more teeth		49.4%	45.8%
BEHAVIORAL HEALTH			
# of drug overdose deaths (all ages)		24	2,137
% 60+ current smokers		13.1%	13.1%
% 65+ with alcohol abuse disorder		0.7%	1.3%
% 65+ with drug abuse/substance abuse disorder		3.3%	2.6%
MENTAL HEALTH			
% 60+ with 15+ days poor mental health in last month		10.3%	9.8%
% 65+ with depression		24.9%	16.4%
% 65+ with schizophrenia & other psychotic disorder		2.0%	2.2%
LIVING WITH DISABILITY			
% 65+ with self-reported hearing difficulty		11.6%	15.5%
% 65+ with self-reported vision difficulty	*	3.2%	8.7%
% 65+ with self-reported cognition difficulty	*	5.8%	11.2%
% 65+ with self-reported ambulatory difficulty		32.3%	28.0%
% 65+ with self-reported self-care difficulty		9.4%	10.2%
% 65+ with self-reported independent living difficulty		18.8%	17.3%
CAREGIVING			
% of grandparents raising grandchildren		2.4%	2.4%
% of grandparents who live with grandchildren		4.9%	4.7%
ACCESS TO CARE			
% 60+ with a regular doctor		91.1%	92.0%
% 60+ who did not see a doctor when needed due to cost		9.0%	8.6%
# of primary care providers in county		7	3,571
# of rural health care centers in county		4	191
# of hospitals in county		1	101
# of home health agencies in county		1	45
# of nursing homes in county		2	204
# of community health centers in county		0	20
# of adult day health centers in county		0	8
# of hospice agencies in county		0	94

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COMMUNITY			
Particulate matter PM2.5		N/A	9.1
Ozone		N/A	0.361
Air pollution: annual # of unhealthy days for 65+		N/A	N/A
Age-friendly efforts in county		Not yet	Not yet
# of senior centers in county		1	115
% households that have smartphone (all ages)	*	27.5%	15.3%
% households without computer (all ages)		13.9%	13.5%
% households with access to Broadband (all ages)	*	54.6%	75.8%
% households without access to Internet (all ages)	*	41.6%	23.9%
Voter participation rate in 2020 presidential election (age 18+)		62.0%	61.2%
SAFETY & CRIME			
Homicide rate/100,000 persons		20.1	14.1
# firearm fatalities (all ages)		26	3,428
# 60+ deaths by suicide		0	562
TRANSPORTATION			
% 65+ who own a motor vehicle	*	97.4%	91.5%
% 60+ who always drive or ride wearing a seatbelt		87.2%	89.6%
# of fatal crashes involving adult age 60+		12	780
HOUSING			
% 65+ population who live alone		21.0%	28.1%
Average household size (all ages)		2.6	2.6
Median house value	*	$68,100	$125,500
% 60+ who own home		82.7%	82.7%
% 60+ homeowners who have mortgage		24.9%	32.1%
% 65+ households(renter) who spend >35% of income on housing		47.9%	33.5%
% 65+ households(owner) who spend >35% of income on housing		21.3%	15.2%
ECONOMIC			
% 60+ receiving food benefits in last year		13.9%	11.4%
% 65+ employed in last year		13.4%	15.6%
% 65+ with income below the poverty line in last year		18.1%	12.8%
65+ median household income	*	$27,500	$36,653
% 65+ households with annual income < $20,000		38.6%	27.4%
% 65+ households with annual income $20,000-$49,999		31.0%	35.5%
% 65+ households with annual income $50,000-$99,999		22.8%	24.6%
% 65+ households with annual income $100,000+		7.6%	12.5%

HEALTHY AGING INDICATORS	RATIO OF COUNTY TO STATE	$ COUNTY ESTIMATE	$ STATE ESTIMATE
Elder Index: COST OF LIVING			
Single, homeowner without mortgage, good health	0.95	$19,788	$20,760
Single, renter, good health	0.93	$22,332	$23,892
Couple, homeowner without mortgage, good health	0.95	$31,560	$33,264
Couple, renter, good health	0.94	$34,104	$36,396

TECHNICAL NOTES

**See our technical report for more information on data sources, measures, and methodology. For most indicators the county and state values are estimates derived from sample data. Thus, it is possible that some of the differences between state and county estimates may be due to chance associated with population sampling. We use the terms "Better" and "Worse" to highlight differences between county and state estimates that we are confident are not due to chance. "Better" is used where a higher/lower value has positive implications for the health of older residents. "Worse" is used where a higher/lower score has negative implications for the health of older people, and when the implication is unclear, we use an *. We balance two goals. First, we aim to report data at very local levels because we believe change is often locally driven. Second, we vowed to protect the privacy of the people providing the information reported. Thus, given the constraints of the data analyzed we used a hierarchical approach to reporting.*

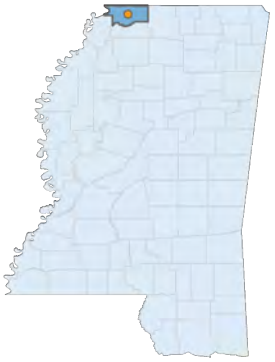
Data Sources:

- *Population Characteristics: The U.S. Census Bureau (American Community Survey 2016-2020) & Robert Wood Johnson Foundation (2020).*
- *COVID-19: Mississippi State Department of Health (MSDH; 2022).*
- *Wellness, Falls, Prevention: The Behavioral Risk Factor Surveillance System (BRFSS; 2013-2020), & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Chronic Disease: The Centers for Medicare and Medicaid Services (CMS) Select Chronic Conditions Database (2018).*
- *Nutrition/Diet, Oral Health: BRFSS (2013-2020) & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Behavioral Health, Mental Health: BRFSS (2013-2020), CMS (2018), & MSDH (2022).*
- *Living with Disability: ACS (2016-2020).*
- *Caregiving: ACS (2016-2020).*
- *Access to Care: BRFSS (2013-2020), CMS (2018), National Adult Day Service Association (June 2022), Community Health Center (Association of Mississippi; June 2022).*
- *Community: Environmental Protection Agency (EPA, 2020), BRFSS (2013-2020), ACS (2016-2020), AARP, & State of Mississippi (May 2022).*
- *Safety & Crime: CDC WONDER (2016-2020).*
- *Transportation: BRFSS (2013-2020), ACS (2016-2020), & Fatality Analysis Reporting System (FARS; 2016-2020).*
- *Housing & Economic: ACS (2016-2020).*
- *Elder Index: Center for Social and Demographic Research on Aging at the University of Massachusetts Boston (2022).*

Acknowledgments: Many people contributed to the MS Healthy Aging Data Report research. The University of Massachusetts Boston Gerontology Institute 2022 research team: Beth Dugan PhD, Nina Silverstein PhD, Chae Man Lee PhD, Taylor Jansen MS, Shu Xu MS, & Yanjhu Su MS. Dr. Kina White from the Mississippi State Department of Health provided important guidance and leadership.

Questions? Beth.Dugan@umb.edu

DeSoto



POPULATION CHARACTERISTICS	County rate is significantly different than State rate	COUNTY ESTIMATE	STATE ESTIMATE
Total population all ages		182,256	2,981,835
Population 60 years or older as % of total population		18.6%	22.3%
Total population 60 years or older		33,839	663,581
Population 65 years or older as % of total population		13.0%	15.9%
Total population 65 years or older		23,617	474,270
% 65-74 years		62.1%	59.7%
% 75-84 years		29.3%	29.4%
% 85 years or older	*	8.5%	10.1%
% 65+ population who are female		56.2%	56.5%
% 85+ population who are female		68.8%	67.4%
Race and ethnicity of the population 65+			
% White	*	81.9%	70.9%
% African American	*	15.7%	26.9%
% Other race(s)		2.4%	2.2%
% Hispanic/Latino		1.1%	1.0%
Marital status of the population 65+			
% married	*	57.7%	53.1%
% divorced/separated		13.9%	14.5%
% widowed	*	23.7%	27.1%
% never married		4.7%	5.3%
Education of the population 65+			
% with less than high school education	*	13.0%	20.1%
% with high school or some college	*	70.6%	58.7%
% with college degree		10.4%	11.8%
% with graduate or professional degree	*	6.0%	9.4%
% of 65+ population who speak only English at home		97.8%	97.8%
% of 65+ population who are veterans of military service		17.5%	15.8%
Life expectancy at birth		76.9	74.6

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COVID-19			
Total COVID-19 cases since March 2020		50,175	797,161
COVID-19 mortality rate per 100,000 people		303.4	417.1
% of county received at least one vaccine dose		53.0%	53.7%
% of county fully vaccinated		47.0%	48.9%
WELLNESS			
% 60+ getting the recommended hours of sleep		60.4%	59.9%
% 60+ doing any physical activity within last month		66.5%	61.3%
% 60+ met CDC guidelines for muscle-strengthening activity		21.9%	19.0%
% 60+ met CDC guidelines for aerobic physical activity		45.9%	39.8%
% 60+ with fair or poor health status		29.0%	32.5%
% 60+ with 15+ physically unhealthy days in last month		19.9%	18.7%
FALLS			
% 60+ who fell within last year		29.9%	27.8%
% 60+ who were injured in a fall within last year		11.9%	10.6%
PREVENTION			
% 60+ with physical exam/check-up in last year		87.1%	89.0%
% 60+ had flu shot in last year		57.1%	57.6%
% 60+ had pneumonia vaccine		66.6%	58.9%
% 60+ had shingles vaccine		21.6%	24.4%
% 60+ women with a mammogram within last 2 years		69.0%	71.0%
% 60+ with colorectal cancer screening		56.8%	57.1%
% 60+ with HIV test		18.5%	20.8%
% 60+ met CDC preventive health screening goals		24.9%	26.2%
CHRONIC DISEASE			
% 65+ with Alzheimer’s disease or related dementias		10.5%	12.9%
% 65+ with arthritis		36.8%	39.8%
% 65+ with asthma		3.0%	3.7%
% 65+ with atrial fibrillation		11.0%	8.9%
% 65+ with cancer (breast, colorectal, lung, prostate)		9.8%	8.8%
% 65+ with chronic kidney disease		28.1%	25.3%
% 65+ with chronic obstructive pulmonary disease (COPD)		12.3%	12.6%
% 65+ with diabetes		29.1%	30.7%
% 65+ with high cholesterol		57.0%	48.9%
% 65+ with heart failure		15.6%	16.1%
% 65+ with hypertension		67.1%	67.9%
% 65+ with ischemic heart disease		33.4%	31.9%
% 65+ with osteoporosis		5.3%	6.4%
% 65+ with stroke		4.6%	4.4%

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
NUTRITION & DIET			
% 60+ with 5 or more servings of fruits or vegetables per day		9.9%	11.1%
% 60+ self-reported obese		35.2%	36.0%
% 60+ with cholesterol screening		93.0%	94.7%
ORAL HEALTH			
% 60+ with annual dental exam		59.2%	56.3%
# of dentists per 100,000 persons (all ages)		35.1	42.1
% 60+ with loss of 6 or more teeth		39.4%	45.8%
BEHAVIORAL HEALTH			
# of drug overdose deaths (all ages)		198	2,137
% 60+ current smokers		10.8%	13.1%
% 65+ with alcohol abuse disorder		1.2%	1.3%
% 65+ with drug abuse/substance abuse disorder		2.1%	2.6%
MENTAL HEALTH			
% 60+ with 15+ days poor mental health in last month		9.2%	9.8%
% 65+ with depression		16.3%	16.4%
% 65+ with schizophrenia & other psychotic disorder		1.2%	2.2%
LIVING WITH DISABILITY			
% 65+ with self-reported hearing difficulty	*	10.7%	15.5%
% 65+ with self-reported vision difficulty		7.6%	8.7%
% 65+ with self-reported cognition difficulty	*	7.9%	11.2%
% 65+ with self-reported ambulatory difficulty	*	23.0%	28.0%
% 65+ with self-reported self-care difficulty		8.5%	10.2%
% 65+ with self-reported independent living difficulty	*	13.6%	17.3%
CAREGIVING			
% of grandparents raising grandchildren		2.1%	2.4%
% of grandparents who live with grandchildren		5.0%	4.7%
ACCESS TO CARE			
% 60+ with a regular doctor		92.6%	92.0%
% 60+ who did not see a doctor when needed due to cost		8.6%	8.6%
# of primary care providers in county		186	3,571
# of rural health care centers in county		0	191
# of hospitals in county		3	101
# of home health agencies in county		2	45
# of nursing homes in county		3	204
# of community health centers in county		0	20
# of adult day health centers in county		0	8
# of hospice agencies in county		6	94

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COMMUNITY			
Particulate matter PM2.5		8.2	9.1
Ozone		0.038	0.361
Air pollution: annual # of unhealthy days for 65+		0	N/A
Age-friendly efforts in county		Yes	Not yet
# of senior centers in county		6	115
% households that have smartphone (all ages)	*	9.9%	15.3%
% households without computer (all ages)	*	5.4%	13.5%
% households with access to Broadband (all ages)	*	89.4%	75.8%
% households without access to Internet (all ages)	*	10.5%	23.9%
Voter participation rate in 2020 presidential election (age 18+)		60.5%	61.2%
SAFETY & CRIME			
Homicide rate/100,000 persons		8.9	14.1
# firearm fatalities (all ages)		175	3,428
# 60+ deaths by suicide		28	562
TRANSPORTATION			
% 65+ who own a motor vehicle	*	95.9%	91.5%
% 60+ who always drive or ride wearing a seatbelt	B	93.7%	89.6%
# of fatal crashes involving adult age 60+		24	780
HOUSING			
% 65+ population who live alone	*	21.6%	28.1%
Average household size (all ages)	*	2.8	2.6
Median house value	*	$177,800	$125,500
% 60+ who own home	*	88.6%	82.7%
% 60+ homeowners who have mortgage	*	47.8%	32.1%
% 65+ households(renter) who spend >35% of income on housing		35.8%	33.5%
% 65+ households(owner) who spend >35% of income on housing		12.5%	15.2%
ECONOMIC			
% 60+ receiving food benefits in last year	*	5.5%	11.4%
% 65+ employed in last year	*	19.4%	15.6%
% 65+ with income below the poverty line in last year	*	6.4%	12.8%
65+ median household income	*	$48,961	$36,653
% 65+ households with annual income < $20,000	*	13.4%	27.4%
% 65+ households with annual income $20,000-$49,999		38.7%	35.5%
% 65+ households with annual income $50,000-$99,999	*	31.2%	24.6%
% 65+ households with annual income $100,000+		16.7%	12.5%

HEALTHY AGING INDICATORS	RATIO OF COUNTY TO STATE	$ COUNTY ESTIMATE	$ STATE ESTIMATE
Elder Index: COST OF LIVING			
Single, homeowner without mortgage, good health	1.02	$21,192	$20,760
Single, renter, good health	1.09	$26,016	$23,892
Couple, homeowner without mortgage, good health	1.03	$34,248	$33,264
Couple, renter, good health	1.07	$39,072	$36,396

TECHNICAL NOTES

**See our technical report for more information on data sources, measures, and methodology. For most indicators the county and state values are estimates derived from sample data. Thus, it is possible that some of the differences between state and county estimates may be due to chance associated with population sampling. We use the terms "Better" and "Worse" to highlight differences between county and state estimates that we are confident are not due to chance. "Better" is used where a higher/lower value has positive implications for the health of older residents. "Worse" is used where a higher/lower score has negative implications for the health of older people, and when the implication is unclear, we use an *. We balance two goals. First, we aim to report data at very local levels because we believe change is often locally driven. Second, we vowed to protect the privacy of the people providing the information reported. Thus, given the constraints of the data analyzed we used a hierarchical approach to reporting.*

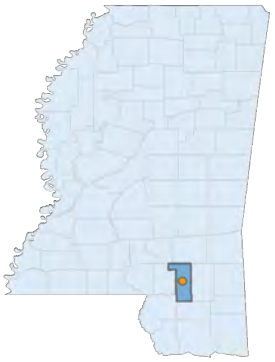
Data Sources:

- *Population Characteristics: The U.S. Census Bureau (American Community Survey 2016-2020) & Robert Wood Johnson Foundation (2020).*
- *COVID-19: Mississippi State Department of Health (MSDH; 2022).*
- *Wellness, Falls, Prevention: The Behavioral Risk Factor Surveillance System (BRFSS; 2013-2020), & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Chronic Disease: The Centers for Medicare and Medicaid Services (CMS) Select Chronic Conditions Database (2018).*
- *Nutrition/Diet, Oral Health: BRFSS (2013-2020) & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Behavioral Health, Mental Health: BRFSS (2013-2020), CMS (2018), & MSDH (2022).*
- *Living with Disability: ACS (2016-2020).*
- *Caregiving: ACS (2016-2020).*
- *Access to Care: BRFSS (2013-2020), CMS (2018), National Adult Day Service Association (June 2022), Community Health Center (Association of Mississippi; June 2022).*
- *Community: Environmental Protection Agency (EPA, 2020), BRFSS (2013-2020), ACS (2016-2020), AARP, & State of Mississippi (May 2022).*
- *Safety & Crime: CDC WONDER (2016-2020).*
- *Transportation: BRFSS (2013-2020), ACS (2016-2020), & Fatality Analysis Reporting System (FARS; 2016-2020).*
- *Housing & Economic: ACS (2016-2020).*
- *Elder Index: Center for Social and Demographic Research on Aging at the University of Massachusetts Boston (2022).*

Acknowledgments: Many people contributed to the MS Healthy Aging Data Report research. The University of Massachusetts Boston Gerontology Institute 2022 research team: Beth Dugan PhD, Nina Silverstein PhD, Chae Man Lee PhD, Taylor Jansen MS, Shu Xu MS, & Yanjhu Su MS. Dr. Kina White from the Mississippi State Department of Health provided important guidance and leadership.

Questions? Beth.Dugan@umb.edu

Forrest



POPULATION CHARACTERISTICS	County rate is significantly different than State rate	COUNTY ESTIMATE	STATE ESTIMATE
Total population all ages		75,162	2,981,835
Population 60 years or older as % of total population		19.7%	22.3%
Total population 60 years or older		14,840	663,581
Population 65 years or older as % of total population		13.6%	15.9%
Total population 65 years or older		10,246	474,270
% 65-74 years		56.8%	59.7%
% 75-84 years		29.6%	29.4%
% 85 years or older		13.6%	10.1%
% 65+ population who are female		57.4%	56.5%
% 85+ population who are female		59.9%	67.4%
Race and ethnicity of the population 65+			
% White		73.9%	70.9%
% African American	*	23.8%	26.9%
% Other race(s)		2.3%	2.2%
% Hispanic/Latino		1.2%	1.0%
Marital status of the population 65+			
% married		51.0%	53.1%
% divorced/separated		17.7%	14.5%
% widowed		24.4%	27.1%
% never married		6.9%	5.3%
Education of the population 65+			
% with less than high school education	*	15.4%	20.1%
% with high school or some college		58.5%	58.7%
% with college degree		10.5%	11.8%
% with graduate or professional degree	*	15.6%	9.4%
% of 65+ population who speak only English at home		98.4%	97.8%
% of 65+ population who are veterans of military service		18.2%	15.8%
Life expectancy at birth		73.6	74.6

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COVID-19			
Total COVID-19 cases since March 2020		22,030	797,161
COVID-19 mortality rate per 100,000 people		416.4	417.1
% of county received at least one vaccine dose		48.0%	53.7%
% of county fully vaccinated		44.0%	48.9%
WELLNESS			
% 60+ getting the recommended hours of sleep		58.6%	59.9%
% 60+ doing any physical activity within last month		64.0%	61.3%
% 60+ met CDC guidelines for muscle-strengthening activity		15.2%	19.0%
% 60+ met CDC guidelines for aerobic physical activity		41.6%	39.8%
% 60+ with fair or poor health status		32.2%	32.5%
% 60+ with 15+ physically unhealthy days in last month		20.7%	18.7%
FALLS			
% 60+ who fell within last year		34.3%	27.8%
% 60+ who were injured in a fall within last year		11.3%	10.6%
PREVENTION			
% 60+ with physical exam/check-up in last year		88.4%	89.0%
% 60+ had flu shot in last year		61.5%	57.6%
% 60+ had pneumonia vaccine		64.6%	58.9%
% 60+ had shingles vaccine		26.4%	24.4%
% 60+ women with a mammogram within last 2 years		69.7%	71.0%
% 60+ with colorectal cancer screening		53.6%	57.1%
% 60+ with HIV test		23.4%	20.8%
% 60+ met CDC preventive health screening goals		27.1%	26.2%
CHRONIC DISEASE			
% 65+ with Alzheimer’s disease or related dementias		14.3%	12.9%
% 65+ with arthritis		44.5%	39.8%
% 65+ with asthma		4.9%	3.7%
% 65+ with atrial fibrillation		8.7%	8.9%
% 65+ with cancer (breast, colorectal, lung, prostate)		10.9%	8.8%
% 65+ with chronic kidney disease		26.8%	25.3%
% 65+ with chronic obstructive pulmonary disease (COPD)		13.7%	12.6%
% 65+ with diabetes		29.5%	30.7%
% 65+ with high cholesterol		50.5%	48.9%
% 65+ with heart failure		14.5%	16.1%
% 65+ with hypertension		69.4%	67.9%
% 65+ with ischemic heart disease		36.6%	31.9%
% 65+ with osteoporosis		8.2%	6.4%
% 65+ with stroke		4.3%	4.4%

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
NUTRITION & DIET			
% 60+ with 5 or more servings of fruits or vegetables per day		10.1%	11.1%
% 60+ self-reported obese		34.0%	36.0%
% 60+ with cholesterol screening		92.6%	94.7%
ORAL HEALTH			
% 60+ with annual dental exam		48.1%	56.3%
# of dentists per 100,000 persons (all ages)		44.0	42.1
% 60+ with loss of 6 or more teeth		47.5%	45.8%
BEHAVIORAL HEALTH			
# of drug overdose deaths (all ages)		51	2,137
% 60+ current smokers		14.7%	13.1%
% 65+ with alcohol abuse disorder		1.2%	1.3%
% 65+ with drug abuse/substance abuse disorder		5.2%	2.6%
MENTAL HEALTH			
% 60+ with 15+ days poor mental health in last month		10.3%	9.8%
% 65+ with depression		21.2%	16.4%
% 65+ with schizophrenia & other psychotic disorder		2.4%	2.2%
LIVING WITH DISABILITY			
% 65+ with self-reported hearing difficulty		17.2%	15.5%
% 65+ with self-reported vision difficulty		11.8%	8.7%
% 65+ with self-reported cognition difficulty		13.7%	11.2%
% 65+ with self-reported ambulatory difficulty	*	35.3%	28.0%
% 65+ with self-reported self-care difficulty	*	14.2%	10.2%
% 65+ with self-reported independent living difficulty	*	22.4%	17.3%
CAREGIVING			
% of grandparents raising grandchildren		1.6%	2.4%
% of grandparents who live with grandchildren		3.5%	4.7%
ACCESS TO CARE			
% 60+ with a regular doctor		90.7%	92.0%
% 60+ who did not see a doctor when needed due to cost		9.0%	8.6%
# of primary care providers in county		83	3,571
# of rural health care centers in county		2	191
# of hospitals in county		1	101
# of home health agencies in county		3	45
# of nursing homes in county		8	204
# of community health centers in county		1	20
# of adult day health centers in county		0	8
# of hospice agencies in county		8	94

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COMMUNITY			
Particulate matter PM2.5		9.5	9.1
Ozone		N/A	0.361
Air pollution: annual # of unhealthy days for 65+		0	N/A
Age-friendly efforts in county		Not yet	Not yet
# of senior centers in county		2	115
% households that have smartphone (all ages)		13.3%	15.3%
% households without computer (all ages)		12.0%	13.5%
% households with access to Broadband (all ages)		78.2%	75.8%
% households without access to Internet (all ages)		21.7%	23.9%
Voter participation rate in 2020 presidential election (age 18+)		60.3%	61.2%
SAFETY & CRIME			
Homicide rate/100,000 persons		14.1	14.1
# firearm fatalities (all ages)		87	3,428
# 60+ deaths by suicide		13	562
TRANSPORTATION			
% 65+ who own a motor vehicle		90.4%	91.5%
% 60+ who always drive or ride wearing a seatbelt	B	93.9%	89.6%
# of fatal crashes involving adult age 60+		14	780
HOUSING			
% 65+ population who live alone		28.7%	28.1%
Average household size (all ages)		2.5	2.6
Median house value		$118,100	$125,500
% 60+ who own home		81.7%	82.7%
% 60+ homeowners who have mortgage		35.3%	32.1%
% 65+ households(renter) who spend >35% of income on housing		35.5%	33.5%
% 65+ households(owner) who spend >35% of income on housing		16.8%	15.2%
ECONOMIC			
% 60+ receiving food benefits in last year		14.0%	11.4%
% 65+ employed in last year		15.8%	15.6%
% 65+ with income below the poverty line in last year		15.4%	12.8%
65+ median household income		$38,679	$36,653
% 65+ households with annual income < $20,000		24.6%	27.4%
% 65+ households with annual income $20,000-$49,999		39.0%	35.5%
% 65+ households with annual income $50,000-$99,999		23.1%	24.6%
% 65+ households with annual income $100,000+		13.4%	12.5%

HEALTHY AGING INDICATORS	RATIO OF COUNTY TO STATE	$ COUNTY ESTIMATE	$ STATE ESTIMATE
Elder Index: COST OF LIVING			
Single, homeowner without mortgage, good health	1.00	$20,724	$20,760
Single, renter, good health	1.01	$24,096	$23,892
Couple, homeowner without mortgage, good health	0.99	$32,844	$33,264
Couple, renter, good health	1.00	$36,216	$36,396

TECHNICAL NOTES

**See our technical report for more information on data sources, measures, and methodology. For most indicators the county and state values are estimates derived from sample data. Thus, it is possible that some of the differences between state and county estimates may be due to chance associated with population sampling. We use the terms "Better" and "Worse" to highlight differences between county and state estimates that we are confident are not due to chance. "Better" is used where a higher/lower value has positive implications for the health of older residents. "Worse" is used where a higher/lower score has negative implications for the health of older people, and when the implication is unclear, we use an *. We balance two goals. First, we aim to report data at very local levels because we believe change is often locally driven. Second, we vowed to protect the privacy of the people providing the information reported. Thus, given the constraints of the data analyzed we used a hierarchical approach to reporting.*

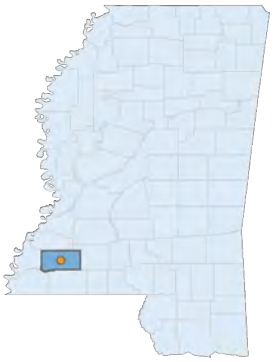
Data Sources:

- *Population Characteristics: The U.S. Census Bureau (American Community Survey 2016-2020) & Robert Wood Johnson Foundation (2020).*
- *COVID-19: Mississippi State Department of Health (MSDH; 2022).*
- *Wellness, Falls, Prevention: The Behavioral Risk Factor Surveillance System (BRFSS; 2013-2020), & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Chronic Disease: The Centers for Medicare and Medicaid Services (CMS) Select Chronic Conditions Database (2018).*
- *Nutrition/Diet, Oral Health: BRFSS (2013-2020) & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Behavioral Health, Mental Health: BRFSS (2013-2020), CMS (2018), & MSDH (2022).*
- *Living with Disability: ACS (2016-2020).*
- *Caregiving: ACS (2016-2020).*
- *Access to Care: BRFSS (2013-2020), CMS (2018), National Adult Day Service Association (June 2022), Community Health Center (Association of Mississippi; June 2022).*
- *Community: Environmental Protection Agency (EPA, 2020), BRFSS (2013-2020), ACS (2016-2020), AARP, & State of Mississippi (May 2022).*
- *Safety & Crime: CDC WONDER (2016-2020).*
- *Transportation: BRFSS (2013-2020), ACS (2016-2020), & Fatality Analysis Reporting System (FARS; 2016-2020).*
- *Housing & Economic: ACS (2016-2020).*
- *Elder Index: Center for Social and Demographic Research on Aging at the University of Massachusetts Boston (2022).*

Acknowledgments: Many people contributed to the MS Healthy Aging Data Report research. The University of Massachusetts Boston Gerontology Institute 2022 research team: Beth Dugan PhD, Nina Silverstein PhD, Chae Man Lee PhD, Taylor Jansen MS, Shu Xu MS, & Yanjhu Su MS. Dr. Kina White from the Mississippi State Department of Health provided important guidance and leadership.

Questions? Beth.Dugan@umb.edu

Franklin



POPULATION CHARACTERISTICS	County rate is significantly different than State rate	COUNTY ESTIMATE	STATE ESTIMATE
Total population all ages		7,716	2,981,835
Population 60 years or older as % of total population		27.1%	22.3%
Total population 60 years or older		2,088	663,581
Population 65 years or older as % of total population		19.9%	15.9%
Total population 65 years or older		1,537	474,270
% 65-74 years		55.8%	59.7%
% 75-84 years		34.6%	29.4%
% 85 years or older		9.6%	10.1%
% 65+ population who are female		54.4%	56.5%
% 85+ population who are female		47.3%	67.4%
Race and ethnicity of the population 65+			
% White		76.5%	70.9%
% African American		22.2%	26.9%
% Other race(s)		1.3%	2.2%
% Hispanic/Latino		0.1%	1.0%
Marital status of the population 65+			
% married		57.7%	53.1%
% divorced/separated		14.2%	14.5%
% widowed		21.7%	27.1%
% never married		6.3%	5.3%
Education of the population 65+			
% with less than high school education		16.1%	20.1%
% with high school or some college	*	69.5%	58.7%
% with college degree		9.8%	11.8%
% with graduate or professional degree	*	4.6%	9.4%
% of 65+ population who speak only English at home		99.7%	97.8%
% of 65+ population who are veterans of military service		18.6%	15.8%
Life expectancy at birth		75.0	74.6

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COVID-19			
Total COVID-19 cases since March 2020		1,926	797,161
COVID-19 mortality rate per 100,000 people		492.5	417.1
% of county received at least one vaccine dose		52.0%	53.7%
% of county fully vaccinated		48.0%	48.9%
WELLNESS			
% 60+ getting the recommended hours of sleep		48.8%	59.9%
% 60+ doing any physical activity within last month		54.4%	61.3%
% 60+ met CDC guidelines for muscle-strengthening activity		17.1%	19.0%
% 60+ met CDC guidelines for aerobic physical activity		34.7%	39.8%
% 60+ with fair or poor health status		40.3%	32.5%
% 60+ with 15+ physically unhealthy days in last month		24.7%	18.7%
FALLS			
% 60+ who fell within last year		26.6%	27.8%
% 60+ who were injured in a fall within last year		12.0%	10.6%
PREVENTION			
% 60+ with physical exam/check-up in last year		91.1%	89.0%
% 60+ had flu shot in last year		57.6%	57.6%
% 60+ had pneumonia vaccine		55.0%	58.9%
% 60+ had shingles vaccine		21.7%	24.4%
% 60+ women with a mammogram within last 2 years		73.9%	71.0%
% 60+ with colorectal cancer screening		60.4%	57.1%
% 60+ with HIV test		25.2%	20.8%
% 60+ met CDC preventive health screening goals		22.9%	26.2%
CHRONIC DISEASE			
% 65+ with Alzheimer’s disease or related dementias		N/A	12.9%
% 65+ with arthritis		37.8%	39.8%
% 65+ with asthma		3.4%	3.7%
% 65+ with atrial fibrillation		N/A	8.9%
% 65+ with cancer (breast, colorectal, lung, prostate)		8.5%	8.8%
% 65+ with chronic kidney disease		23.7%	25.3%
% 65+ with chronic obstructive pulmonary disease (COPD)		10.9%	12.6%
% 65+ with diabetes		31.8%	30.7%
% 65+ with high cholesterol		39.6%	48.9%
% 65+ with heart failure		19.0%	16.1%
% 65+ with hypertension		64.7%	67.9%
% 65+ with ischemic heart disease		32.8%	31.9%
% 65+ with osteoporosis		N/A	6.4%
% 65+ with stroke		3.9%	4.4%

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
NUTRITION & DIET			
% 60+ with 5 or more servings of fruits or vegetables per day		9.7%	11.1%
% 60+ self-reported obese		35.8%	36.0%
% 60+ with cholesterol screening		94.3%	94.7%
ORAL HEALTH			
% 60+ with annual dental exam		50.6%	56.3%
# of dentists per 100,000 persons (all ages)		0.0	42.1
% 60+ with loss of 6 or more teeth	W	61.1%	45.8%
BEHAVIORAL HEALTH			
# of drug overdose deaths (all ages)		0	2,137
% 60+ current smokers		13.2%	13.1%
% 65+ with alcohol abuse disorder		N/A	1.3%
% 65+ with drug abuse/substance abuse disorder		1.8%	2.6%
MENTAL HEALTH			
% 60+ with 15+ days poor mental health in last month		12.0%	9.8%
% 65+ with depression		15.8%	16.4%
% 65+ with schizophrenia & other psychotic disorder		2.6%	2.2%
LIVING WITH DISABILITY			
% 65+ with self-reported hearing difficulty		24.5%	15.5%
% 65+ with self-reported vision difficulty		7.6%	8.7%
% 65+ with self-reported cognition difficulty		15.6%	11.2%
% 65+ with self-reported ambulatory difficulty	*	44.7%	28.0%
% 65+ with self-reported self-care difficulty		7.5%	10.2%
% 65+ with self-reported independent living difficulty	*	28.6%	17.3%
CAREGIVING			
% of grandparents raising grandchildren	*	4.1%	2.4%
% of grandparents who live with grandchildren	*	6.8%	4.7%
ACCESS TO CARE			
% 60+ with a regular doctor		94.3%	92.0%
% 60+ who did not see a doctor when needed due to cost		9.8%	8.6%
# of primary care providers in county		9	3,571
# of rural health care centers in county		2	191
# of hospitals in county		1	101
# of home health agencies in county		0	45
# of nursing homes in county		1	204
# of community health centers in county		0	20
# of adult day health centers in county		0	8
# of hospice agencies in county		0	94

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COMMUNITY			
Particulate matter PM2.5		N/A	9.1
Ozone		N/A	0.361
Air pollution: annual # of unhealthy days for 65+		N/A	N/A
Age-friendly efforts in county		Not yet	Not yet
# of senior centers in county		0	115
% households that have smartphone (all ages)		16.9%	15.3%
% households without computer (all ages)	*	18.2%	13.5%
% households with access to Broadband (all ages)		75.8%	75.8%
% households without access to Internet (all ages)		23.4%	23.9%
Voter participation rate in 2020 presidential election (age 18+)		71.5%	61.2%
SAFETY & CRIME			
Homicide rate/100,000 persons		0.0	14.1
# firearm fatalities (all ages)		0	3,428
# 60+ deaths by suicide		0	562
TRANSPORTATION			
% 65+ who own a motor vehicle		94.6%	91.5%
% 60+ who always drive or ride wearing a seatbelt		86.6%	89.6%
# of fatal crashes involving adult age 60+		4	780
HOUSING			
% 65+ population who live alone		21.3%	28.1%
Average household size (all ages)		2.5	2.6
Median house value	*	$81,200	$125,500
% 60+ who own home		87.4%	82.7%
% 60+ homeowners who have mortgage	*	12.9%	32.1%
% 65+ households(renter) who spend >35% of income on housing		32.3%	33.5%
% 65+ households(owner) who spend >35% of income on housing	*	7.2%	15.2%
ECONOMIC			
% 60+ receiving food benefits in last year		16.1%	11.4%
% 65+ employed in last year		13.4%	15.6%
% 65+ with income below the poverty line in last year		14.6%	12.8%
65+ median household income		$28,895	$36,653
% 65+ households with annual income < $20,000		37.5%	27.4%
% 65+ households with annual income $20,000-$49,999		34.5%	35.5%
% 65+ households with annual income $50,000-$99,999		20.0%	24.6%
% 65+ households with annual income $100,000+		8.0%	12.5%

HEALTHY AGING INDICATORS	RATIO OF COUNTY TO STATE	$ COUNTY ESTIMATE	$ STATE ESTIMATE
Elder Index: COST OF LIVING			
Single, homeowner without mortgage, good health	1.04	$21,528	$20,760
Single, renter, good health	0.99	$23,676	$23,892
Couple, homeowner without mortgage, good health	1.05	$34,848	$33,264
Couple, renter, good health	1.02	$36,996	$36,396

TECHNICAL NOTES

**See our technical report for more information on data sources, measures, and methodology. For most indicators the county and state values are estimates derived from sample data. Thus, it is possible that some of the differences between state and county estimates may be due to chance associated with population sampling. We use the terms "Better" and "Worse" to highlight differences between county and state estimates that we are confident are not due to chance. "Better" is used where a higher/lower value has positive implications for the health of older residents. "Worse" is used where a higher/lower score has negative implications for the health of older people, and when the implication is unclear, we use an *. We balance two goals. First, we aim to report data at very local levels because we believe change is often locally driven. Second, we vowed to protect the privacy of the people providing the information reported. Thus, given the constraints of the data analyzed we used a hierarchical approach to reporting.*

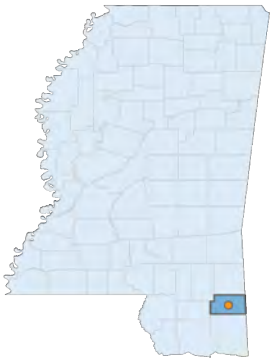
Data Sources:

- *Population Characteristics: The U.S. Census Bureau (American Community Survey 2016-2020) & Robert Wood Johnson Foundation (2020).*
- *COVID-19: Mississippi State Department of Health (MSDH; 2022).*
- *Wellness, Falls, Prevention: The Behavioral Risk Factor Surveillance System (BRFSS; 2013-2020), & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Chronic Disease: The Centers for Medicare and Medicaid Services (CMS) Select Chronic Conditions Database (2018).*
- *Nutrition/Diet, Oral Health: BRFSS (2013-2020) & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Behavioral Health, Mental Health: BRFSS (2013-2020), CMS (2018), & MSDH (2022).*
- *Living with Disability: ACS (2016-2020).*
- *Caregiving: ACS (2016-2020).*
- *Access to Care: BRFSS (2013-2020), CMS (2018), National Adult Day Service Association (June 2022), Community Health Center (Association of Mississippi; June 2022).*
- *Community: Environmental Protection Agency (EPA, 2020), BRFSS (2013-2020), ACS (2016-2020), AARP, & State of Mississippi (May 2022).*
- *Safety & Crime: CDC WONDER (2016-2020).*
- *Transportation: BRFSS (2013-2020), ACS (2016-2020), & Fatality Analysis Reporting System (FARS; 2016-2020).*
- *Housing & Economic: ACS (2016-2020).*
- *Elder Index: Center for Social and Demographic Research on Aging at the University of Massachusetts Boston (2022).*

Acknowledgments: Many people contributed to the MS Healthy Aging Data Report research. The University of Massachusetts Boston Gerontology Institute 2022 research team: Beth Dugan PhD, Nina Silverstein PhD, Chae Man Lee PhD, Taylor Jansen MS, Shu Xu MS, & Yanjhu Su MS. Dr. Kina White from the Mississippi State Department of Health provided important guidance and leadership.

Questions? Beth.Dugan@umb.edu

George



POPULATION CHARACTERISTICS	County rate is significantly different than State rate	COUNTY ESTIMATE	STATE ESTIMATE
Total population all ages		24,098	2,981,835
Population 60 years or older as % of total population		20.6%	22.3%
Total population 60 years or older		4,969	663,581
Population 65 years or older as % of total population		14.8%	15.9%
Total population 65 years or older		3,555	474,270
% 65-74 years		61.7%	59.7%
% 75-84 years		28.8%	29.4%
% 85 years or older		9.5%	10.1%
% 65+ population who are female		53.0%	56.5%
% 85+ population who are female		61.3%	67.4%
Race and ethnicity of the population 65+			
% White	*	91.9%	70.9%
% African American	*	5.2%	26.9%
% Other race(s)		2.9%	2.2%
% Hispanic/Latino		2.0%	1.0%
Marital status of the population 65+			
% married		58.2%	53.1%
% divorced/separated		16.6%	14.5%
% widowed		22.3%	27.1%
% never married		2.9%	5.3%
Education of the population 65+			
% with less than high school education		22.6%	20.1%
% with high school or some college		63.2%	58.7%
% with college degree		9.5%	11.8%
% with graduate or professional degree	*	4.8%	9.4%
% of 65+ population who speak only English at home		96.5%	97.8%
% of 65+ population who are veterans of military service	*	22.1%	15.8%
Life expectancy at birth		73.0	74.6

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COVID-19			
Total COVID-19 cases since March 2020		7,149	797,161
COVID-19 mortality rate per 100,000 people		361.0	417.1
% of county received at least one vaccine dose		45.0%	53.7%
% of county fully vaccinated		40.0%	48.9%
WELLNESS			
% 60+ getting the recommended hours of sleep		64.5%	59.9%
% 60+ doing any physical activity within last month		55.7%	61.3%
% 60+ met CDC guidelines for muscle-strengthening activity		18.4%	19.0%
% 60+ met CDC guidelines for aerobic physical activity		41.3%	39.8%
% 60+ with fair or poor health status		30.4%	32.5%
% 60+ with 15+ physically unhealthy days in last month		25.4%	18.7%
FALLS			
% 60+ who fell within last year		30.8%	27.8%
% 60+ who were injured in a fall within last year		11.5%	10.6%
PREVENTION			
% 60+ with physical exam/check-up in last year		88.8%	89.0%
% 60+ had flu shot in last year		51.9%	57.6%
% 60+ had pneumonia vaccine		61.5%	58.9%
% 60+ had shingles vaccine		26.5%	24.4%
% 60+ women with a mammogram within last 2 years		60.6%	71.0%
% 60+ with colorectal cancer screening		51.0%	57.1%
% 60+ with HIV test		20.6%	20.8%
% 60+ met CDC preventive health screening goals		24.0%	26.2%
CHRONIC DISEASE			
% 65+ with Alzheimer’s disease or related dementias		11.6%	12.9%
% 65+ with arthritis		36.4%	39.8%
% 65+ with asthma		4.4%	3.7%
% 65+ with atrial fibrillation		10.2%	8.9%
% 65+ with cancer (breast, colorectal, lung, prostate)		7.3%	8.8%
% 65+ with chronic kidney disease		25.1%	25.3%
% 65+ with chronic obstructive pulmonary disease (COPD)		13.0%	12.6%
% 65+ with diabetes		31.5%	30.7%
% 65+ with high cholesterol		49.3%	48.9%
% 65+ with heart failure		19.0%	16.1%
% 65+ with hypertension		66.5%	67.9%
% 65+ with ischemic heart disease		39.4%	31.9%
% 65+ with osteoporosis		N/A	6.4%
% 65+ with stroke		3.9%	4.4%

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
NUTRITION & DIET			
% 60+ with 5 or more servings of fruits or vegetables per day		13.2%	11.1%
% 60+ self-reported obese		37.8%	36.0%
% 60+ with cholesterol screening		94.3%	94.7%
ORAL HEALTH			
% 60+ with annual dental exam		49.9%	56.3%
# of dentists per 100,000 persons (all ages)		28.7	42.1
% 60+ with loss of 6 or more teeth	W	59.7%	45.8%
BEHAVIORAL HEALTH			
# of drug overdose deaths (all ages)		20	2,137
% 60+ current smokers		15.7%	13.1%
% 65+ with alcohol abuse disorder		1.4%	1.3%
% 65+ with drug abuse/substance abuse disorder		2.6%	2.6%
MENTAL HEALTH			
% 60+ with 15+ days poor mental health in last month		11.3%	9.8%
% 65+ with depression		15.6%	16.4%
% 65+ with schizophrenia & other psychotic disorder		1.3%	2.2%
LIVING WITH DISABILITY			
% 65+ with self-reported hearing difficulty	*	27.7%	15.5%
% 65+ with self-reported vision difficulty	*	15.1%	8.7%
% 65+ with self-reported cognition difficulty		13.4%	11.2%
% 65+ with self-reported ambulatory difficulty	*	36.9%	28.0%
% 65+ with self-reported self-care difficulty		9.4%	10.2%
% 65+ with self-reported independent living difficulty		23.7%	17.3%
CAREGIVING			
% of grandparents raising grandchildren		2.3%	2.4%
% of grandparents who live with grandchildren		3.6%	4.7%
ACCESS TO CARE			
% 60+ with a regular doctor		88.4%	92.0%
% 60+ who did not see a doctor when needed due to cost		8.6%	8.6%
# of primary care providers in county		5	3,571
# of rural health care centers in county		2	191
# of hospitals in county		1	101
# of home health agencies in county		0	45
# of nursing homes in county		2	204
# of community health centers in county		0	20
# of adult day health centers in county		0	8
# of hospice agencies in county		0	94

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COMMUNITY			
Particulate matter PM2.5		N/A	9.1
Ozone		N/A	0.361
Air pollution: annual # of unhealthy days for 65+		N/A	N/A
Age-friendly efforts in county		Not yet	Not yet
# of senior centers in county		1	115
% households that have smartphone (all ages)		15.1%	15.3%
% households without computer (all ages)	*	19.2%	13.5%
% households with access to Broadband (all ages)	*	68.1%	75.8%
% households without access to Internet (all ages)	*	30.5%	23.9%
Voter participation rate in 2020 presidential election (age 18+)		66.6%	61.2%
SAFETY & CRIME			
Homicide rate/100,000 persons		0.0	14.1
# firearm fatalities (all ages)		16	3,428
# 60+ deaths by suicide		0	562
TRANSPORTATION			
% 65+ who own a motor vehicle		91.1%	91.5%
% 60+ who always drive or ride wearing a seatbelt		91.4%	89.6%
# of fatal crashes involving adult age 60+		9	780
HOUSING			
% 65+ population who live alone		30.1%	28.1%
Average household size (all ages)	*	2.9	2.6
Median house value		$119,300	$125,500
% 60+ who own home	*	85.6%	82.7%
% 60+ homeowners who have mortgage	*	18.7%	32.1%
% 65+ households(renter) who spend >35% of income on housing		18.4%	33.5%
% 65+ households(owner) who spend >35% of income on housing		10.7%	15.2%
ECONOMIC			
% 60+ receiving food benefits in last year		10.8%	11.4%
% 65+ employed in last year	*	5.5%	15.6%
% 65+ with income below the poverty line in last year		15.3%	12.8%
65+ median household income	*	$30,333	$36,653
% 65+ households with annual income < $20,000		29.4%	27.4%
% 65+ households with annual income $20,000-$49,999		45.3%	35.5%
% 65+ households with annual income $50,000-$99,999		20.0%	24.6%
% 65+ households with annual income $100,000+	*	5.3%	12.5%

HEALTHY AGING INDICATORS	RATIO OF COUNTY TO STATE	$ COUNTY ESTIMATE	$ STATE ESTIMATE
Elder Index: COST OF LIVING			
Single, homeowner without mortgage, good health	0.99	$20,616	$20,760
Single, renter, good health	0.97	$23,112	$23,892
Couple, homeowner without mortgage, good health	0.98	$32,628	$33,264
Couple, renter, good health	0.97	$35,124	$36,396

TECHNICAL NOTES

**See our technical report for more information on data sources, measures, and methodology. For most indicators the county and state values are estimates derived from sample data. Thus, it is possible that some of the differences between state and county estimates may be due to chance associated with population sampling. We use the terms "Better" and "Worse" to highlight differences between county and state estimates that we are confident are not due to chance. "Better" is used where a higher/lower value has positive implications for the health of older residents. "Worse" is used where a higher/lower score has negative implications for the health of older people, and when the implication is unclear, we use an *. We balance two goals. First, we aim to report data at very local levels because we believe change is often locally driven. Second, we vowed to protect the privacy of the people providing the information reported. Thus, given the constraints of the data analyzed we used a hierarchical approach to reporting.*

Data Sources:

- *Population Characteristics: The U.S. Census Bureau (American Community Survey 2016-2020) & Robert Wood Johnson Foundation (2020).*
- *COVID-19: Mississippi State Department of Health (MSDH; 2022).*
- *Wellness, Falls, Prevention: The Behavioral Risk Factor Surveillance System (BRFSS; 2013-2020), & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Chronic Disease: The Centers for Medicare and Medicaid Services (CMS) Select Chronic Conditions Database (2018).*
- *Nutrition/Diet, Oral Health: BRFSS (2013-2020) & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Behavioral Health, Mental Health: BRFSS (2013-2020), CMS (2018), & MSDH (2022).*
- *Living with Disability: ACS (2016-2020).*
- *Caregiving: ACS (2016-2020).*
- *Access to Care: BRFSS (2013-2020), CMS (2018), National Adult Day Service Association (June 2022), Community Health Center (Association of Mississippi; June 2022).*
- *Community: Environmental Protection Agency (EPA, 2020), BRFSS (2013-2020), ACS (2016-2020), AARP, & State of Mississippi (May 2022).*
- *Safety & Crime: CDC WONDER (2016-2020).*
- *Transportation: BRFSS (2013-2020), ACS (2016-2020), & Fatality Analysis Reporting System (FARS; 2016-2020).*
- *Housing & Economic: ACS (2016-2020).*
- *Elder Index: Center for Social and Demographic Research on Aging at the University of Massachusetts Boston (2022).*

Acknowledgments: Many people contributed to the MS Healthy Aging Data Report research. The University of Massachusetts Boston Gerontology Institute 2022 research team: Beth Dugan PhD, Nina Silverstein PhD, Chae Man Lee PhD, Taylor Jansen MS, Shu Xu MS, & Yanjhu Su MS. Dr. Kina White from the Mississippi State Department of Health provided important guidance and leadership.

Questions? Beth.Dugan@umb.edu

Greene

POPULATION CHARACTERISTICS	County rate is significantly different than State rate	COUNTY ESTIMATE	STATE ESTIMATE
Total population all ages		13,619	2,981,835
Population 60 years or older as % of total population		20.6%	22.3%
Total population 60 years or older		2,806	663,581
Population 65 years or older as % of total population		14.1%	15.9%
Total population 65 years or older		1,924	474,270
% 65-74 years		60.1%	59.7%
% 75-84 years		29.3%	29.4%
% 85 years or older		10.6%	10.1%
% 65+ population who are female		51.7%	56.5%
% 85+ population who are female		68.6%	67.4%
Race and ethnicity of the population 65+			
% White	*	88.5%	70.9%
% African American	*	11.1%	26.9%
% Other race(s)		0.4%	2.2%
% Hispanic/Latino		0.0%	1.0%
Marital status of the population 65+			
% married	*	43.0%	53.1%
% divorced/separated		11.1%	14.5%
% widowed	*	39.8%	27.1%
% never married		6.2%	5.3%
Education of the population 65+			
% with less than high school education		18.3%	20.1%
% with high school or some college	*	71.3%	58.7%
% with college degree	*	5.2%	11.8%
% with graduate or professional degree		5.2%	9.4%
% of 65+ population who speak only English at home		99.9%	97.8%
% of 65+ population who are veterans of military service		20.0%	15.8%
Life expectancy at birth		73.9	74.6

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COVID-19			
Total COVID-19 cases since March 2020		3,192	797,161
COVID-19 mortality rate per 100,000 people		433.2	417.1
% of county received at least one vaccine dose		40.0%	53.7%
% of county fully vaccinated		37.0%	48.9%
WELLNESS			
% 60+ getting the recommended hours of sleep		55.6%	59.9%
% 60+ doing any physical activity within last month	W	52.9%	61.3%
% 60+ met CDC guidelines for muscle-strengthening activity	W	12.7%	19.0%
% 60+ met CDC guidelines for aerobic physical activity		33.0%	39.8%
% 60+ with fair or poor health status	W	38.9%	32.5%
% 60+ with 15+ physically unhealthy days in last month		21.3%	18.7%
FALLS			
% 60+ who fell within last year		29.8%	27.8%
% 60+ who were injured in a fall within last year		11.3%	10.6%
PREVENTION			
% 60+ with physical exam/check-up in last year		85.9%	89.0%
% 60+ had flu shot in last year		57.5%	57.6%
% 60+ had pneumonia vaccine		56.4%	58.9%
% 60+ had shingles vaccine		26.6%	24.4%
% 60+ women with a mammogram within last 2 years		68.1%	71.0%
% 60+ with colorectal cancer screening		52.8%	57.1%
% 60+ with HIV test		20.6%	20.8%
% 60+ met CDC preventive health screening goals		26.1%	26.2%
CHRONIC DISEASE			
% 65+ with Alzheimer’s disease or related dementias		12.7%	12.9%
% 65+ with arthritis		40.9%	39.8%
% 65+ with asthma		4.6%	3.7%
% 65+ with atrial fibrillation		10.1%	8.9%
% 65+ with cancer (breast, colorectal, lung, prostate)		8.2%	8.8%
% 65+ with chronic kidney disease		26.3%	25.3%
% 65+ with chronic obstructive pulmonary disease (COPD)		14.2%	12.6%
% 65+ with diabetes		34.4%	30.7%
% 65+ with high cholesterol		47.9%	48.9%
% 65+ with heart failure		20.4%	16.1%
% 65+ with hypertension		68.4%	67.9%
% 65+ with ischemic heart disease		41.1%	31.9%
% 65+ with osteoporosis		N/A	6.4%
% 65+ with stroke		3.8%	4.4%

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
NUTRITION & DIET			
% 60+ with 5 or more servings of fruits or vegetables per day		10.1%	11.1%
% 60+ self-reported obese		36.5%	36.0%
% 60+ with cholesterol screening		91.5%	94.7%
ORAL HEALTH			
% 60+ with annual dental exam		52.8%	56.3%
# of dentists per 100,000 persons (all ages)		22.3	42.1
% 60+ with loss of 6 or more teeth		51.3%	45.8%
BEHAVIORAL HEALTH			
# of drug overdose deaths (all ages)		0	2,137
% 60+ current smokers		11.4%	13.1%
% 65+ with alcohol abuse disorder		N/A	1.3%
% 65+ with drug abuse/substance abuse disorder		2.9%	2.6%
MENTAL HEALTH			
% 60+ with 15+ days poor mental health in last month		10.3%	9.8%
% 65+ with depression		19.3%	16.4%
% 65+ with schizophrenia & other psychotic disorder		2.2%	2.2%
LIVING WITH DISABILITY			
% 65+ with self-reported hearing difficulty	*	30.8%	15.5%
% 65+ with self-reported vision difficulty	*	19.2%	8.7%
% 65+ with self-reported cognition difficulty		15.2%	11.2%
% 65+ with self-reported ambulatory difficulty	*	45.6%	28.0%
% 65+ with self-reported self-care difficulty	*	24.2%	10.2%
% 65+ with self-reported independent living difficulty	*	33.0%	17.3%
CAREGIVING			
% of grandparents raising grandchildren		1.6%	2.4%
% of grandparents who live with grandchildren		2.7%	4.7%
ACCESS TO CARE			
% 60+ with a regular doctor		91.2%	92.0%
% 60+ who did not see a doctor when needed due to cost		9.0%	8.6%
# of primary care providers in county		3	3,571
# of rural health care centers in county		1	191
# of hospitals in county		2	101
# of home health agencies in county		0	45
# of nursing homes in county		2	204
# of community health centers in county		0	20
# of adult day health centers in county		0	8
# of hospice agencies in county		0	94

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COMMUNITY			
Particulate matter PM2.5		N/A	9.1
Ozone		N/A	0.361
Air pollution: annual # of unhealthy days for 65+		N/A	N/A
Age-friendly efforts in county		Not yet	Not yet
# of senior centers in county		0	115
% households that have smartphone (all ages)		16.7%	15.3%
% households without computer (all ages)	*	21.9%	13.5%
% households with access to Broadband (all ages)	*	66.6%	75.8%
% households without access to Internet (all ages)	*	33.4%	23.9%
Voter participation rate in 2020 presidential election (age 18+)		70.1%	61.2%
SAFETY & CRIME			
Homicide rate/100,000 persons		0.0	14.1
# firearm fatalities (all ages)		0	3,428
# 60+ deaths by suicide		0	562
TRANSPORTATION			
% 65+ who own a motor vehicle		94.6%	91.5%
% 60+ who always drive or ride wearing a seatbelt		88.9%	89.6%
# of fatal crashes involving adult age 60+		2	780
HOUSING			
% 65+ population who live alone		34.5%	28.1%
Average household size (all ages)		2.5	2.6
Median house value	*	$83,100	$125,500
% 60+ who own home		86.9%	82.7%
% 60+ homeowners who have mortgage		21.6%	32.1%
% 65+ households(renter) who spend >35% of income on housing	*	12.4%	33.5%
% 65+ households(owner) who spend >35% of income on housing		17.8%	15.2%
ECONOMIC			
% 60+ receiving food benefits in last year		12.9%	11.4%
% 65+ employed in last year	*	6.3%	15.6%
% 65+ with income below the poverty line in last year	*	4.8%	12.8%
65+ median household income		$29,549	$36,653
% 65+ households with annual income < $20,000		28.4%	27.4%
% 65+ households with annual income $20,000-$49,999		52.6%	35.5%
% 65+ households with annual income $50,000-$99,999		18.1%	24.6%
% 65+ households with annual income $100,000+	*	0.9%	12.5%

HEALTHY AGING INDICATORS	RATIO OF COUNTY TO STATE	$ COUNTY ESTIMATE	$ STATE ESTIMATE
Elder Index: COST OF LIVING			
Single, homeowner without mortgage, good health	1.03	$21,324	$20,760
Single, renter, good health	1.02	$24,276	$23,892
Couple, homeowner without mortgage, good health	1.04	$34,644	$33,264
Couple, renter, good health	1.03	$37,596	$36,396

TECHNICAL NOTES

**See our technical report for more information on data sources, measures, and methodology. For most indicators the county and state values are estimates derived from sample data. Thus, it is possible that some of the differences between state and county estimates may be due to chance associated with population sampling. We use the terms "Better" and "Worse" to highlight differences between county and state estimates that we are confident are not due to chance. "Better" is used where a higher/lower value has positive implications for the health of older residents. "Worse" is used where a higher/lower score has negative implications for the health of older people, and when the implication is unclear, we use an *. We balance two goals. First, we aim to report data at very local levels because we believe change is often locally driven. Second, we vowed to protect the privacy of the people providing the information reported. Thus, given the constraints of the data analyzed we used a hierarchical approach to reporting.*

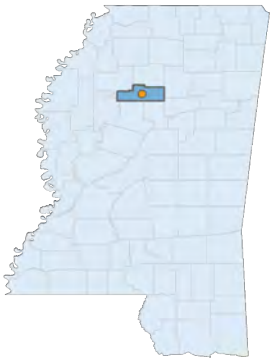
Data Sources:

- *Population Characteristics: The U.S. Census Bureau (American Community Survey 2016-2020) & Robert Wood Johnson Foundation (2020).*
- *COVID-19: Mississippi State Department of Health (MSDH; 2022).*
- *Wellness, Falls, Prevention: The Behavioral Risk Factor Surveillance System (BRFSS; 2013-2020), & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Chronic Disease: The Centers for Medicare and Medicaid Services (CMS) Select Chronic Conditions Database (2018).*
- *Nutrition/Diet, Oral Health: BRFSS (2013-2020) & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Behavioral Health, Mental Health: BRFSS (2013-2020), CMS (2018), & MSDH (2022).*
- *Living with Disability: ACS (2016-2020).*
- *Caregiving: ACS (2016-2020).*
- *Access to Care: BRFSS (2013-2020), CMS (2018), National Adult Day Service Association (June 2022), Community Health Center (Association of Mississippi; June 2022).*
- *Community: Environmental Protection Agency (EPA, 2020), BRFSS (2013-2020), ACS (2016-2020), AARP, & State of Mississippi (May 2022).*
- *Safety & Crime: CDC WONDER (2016-2020).*
- *Transportation: BRFSS (2013-2020), ACS (2016-2020), & Fatality Analysis Reporting System (FARS; 2016-2020).*
- *Housing & Economic: ACS (2016-2020).*
- *Elder Index: Center for Social and Demographic Research on Aging at the University of Massachusetts Boston (2022).*

Acknowledgments: Many people contributed to the MS Healthy Aging Data Report research. The University of Massachusetts Boston Gerontology Institute 2022 research team: Beth Dugan PhD, Nina Silverstein PhD, Chae Man Lee PhD, Taylor Jansen MS, Shu Xu MS, & Yanjhu Su MS. Dr. Kina White from the Mississippi State Department of Health provided important guidance and leadership.

Questions? Beth.Dugan@umb.edu

Grenada



POPULATION CHARACTERISTICS	County rate is significantly different than State rate	COUNTY ESTIMATE	STATE ESTIMATE
Total population all ages		20,927	2,981,835
Population 60 years or older as % of total population		23.4%	22.3%
Total population 60 years or older		4,902	663,581
Population 65 years or older as % of total population		17.7%	15.9%
Total population 65 years or older		3,697	474,270
% 65-74 years		60.2%	59.7%
% 75-84 years		26.5%	29.4%
% 85 years or older		13.3%	10.1%
% 65+ population who are female		57.1%	56.5%
% 85+ population who are female		69.8%	67.4%
Race and ethnicity of the population 65+			
% White		66.6%	70.9%
% African American	*	33.4%	26.9%
% Other race(s)		0.0%	2.2%
% Hispanic/Latino		0.0%	1.0%
Marital status of the population 65+			
% married		52.7%	53.1%
% divorced/separated		14.4%	14.5%
% widowed		30.9%	27.1%
% never married	*	2.0%	5.3%
Education of the population 65+			
% with less than high school education		21.6%	20.1%
% with high school or some college		60.1%	58.7%
% with college degree		12.0%	11.8%
% with graduate or professional degree		6.3%	9.4%
% of 65+ population who speak only English at home		100.0%	97.8%
% of 65+ population who are veterans of military service	*	9.4%	15.8%
Life expectancy at birth		70.7	74.6

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COVID-19			
Total COVID-19 cases since March 2020		5,517	797,161
COVID-19 mortality rate per 100,000 people		626.0	417.1
% of county received at least one vaccine dose		57.0%	53.7%
% of county fully vaccinated		53.0%	48.9%
WELLNESS			
% 60+ getting the recommended hours of sleep		50.5%	59.9%
% 60+ doing any physical activity within last month		61.3%	61.3%
% 60+ met CDC guidelines for muscle-strengthening activity		18.4%	19.0%
% 60+ met CDC guidelines for aerobic physical activity		34.0%	39.8%
% 60+ with fair or poor health status		38.3%	32.5%
% 60+ with 15+ physically unhealthy days in last month		14.5%	18.7%
FALLS			
% 60+ who fell within last year		34.1%	27.8%
% 60+ who were injured in a fall within last year		11.9%	10.6%
PREVENTION			
% 60+ with physical exam/check-up in last year		91.5%	89.0%
% 60+ had flu shot in last year		60.9%	57.6%
% 60+ had pneumonia vaccine	W	48.4%	58.9%
% 60+ had shingles vaccine	W	12.8%	24.4%
% 60+ women with a mammogram within last 2 years		67.3%	71.0%
% 60+ with colorectal cancer screening		52.7%	57.1%
% 60+ with HIV test		16.7%	20.8%
% 60+ met CDC preventive health screening goals		19.9%	26.2%
CHRONIC DISEASE			
% 65+ with Alzheimer’s disease or related dementias		12.9%	12.9%
% 65+ with arthritis		45.4%	39.8%
% 65+ with asthma		2.7%	3.7%
% 65+ with atrial fibrillation		8.1%	8.9%
% 65+ with cancer (breast, colorectal, lung, prostate)		9.9%	8.8%
% 65+ with chronic kidney disease		25.3%	25.3%
% 65+ with chronic obstructive pulmonary disease (COPD)		11.2%	12.6%
% 65+ with diabetes		33.0%	30.7%
% 65+ with high cholesterol		47.3%	48.9%
% 65+ with heart failure		15.6%	16.1%
% 65+ with hypertension		72.6%	67.9%
% 65+ with ischemic heart disease		33.2%	31.9%
% 65+ with osteoporosis		6.4%	6.4%
% 65+ with stroke		4.7%	4.4%

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
NUTRITION & DIET			
% 60+ with 5 or more servings of fruits or vegetables per day		9.9%	11.1%
% 60+ self-reported obese		34.8%	36.0%
% 60+ with cholesterol screening		94.8%	94.7%
ORAL HEALTH			
% 60+ with annual dental exam		47.6%	56.3%
# of dentists per 100,000 persons (all ages)		48.5	42.1
% 60+ with loss of 6 or more teeth		50.9%	45.8%
BEHAVIORAL HEALTH			
# of drug overdose deaths (all ages)		10	2,137
% 60+ current smokers		11.9%	13.1%
% 65+ with alcohol abuse disorder		1.3%	1.3%
% 65+ with drug abuse/substance abuse disorder		1.7%	2.6%
MENTAL HEALTH			
% 60+ with 15+ days poor mental health in last month		9.2%	9.8%
% 65+ with depression		14.0%	16.4%
% 65+ with schizophrenia & other psychotic disorder		2.3%	2.2%
LIVING WITH DISABILITY			
% 65+ with self-reported hearing difficulty		13.2%	15.5%
% 65+ with self-reported vision difficulty		10.3%	8.7%
% 65+ with self-reported cognition difficulty		9.9%	11.2%
% 65+ with self-reported ambulatory difficulty		25.9%	28.0%
% 65+ with self-reported self-care difficulty		9.9%	10.2%
% 65+ with self-reported independent living difficulty		14.1%	17.3%
CAREGIVING			
% of grandparents raising grandchildren		1.5%	2.4%
% of grandparents who live with grandchildren		5.1%	4.7%
ACCESS TO CARE			
% 60+ with a regular doctor		92.8%	92.0%
% 60+ who did not see a doctor when needed due to cost		8.6%	8.6%
# of primary care providers in county		34	3,571
# of rural health care centers in county		4	191
# of hospitals in county		1	101
# of home health agencies in county		0	45
# of nursing homes in county		2	204
# of community health centers in county		0	20
# of adult day health centers in county		0	8
# of hospice agencies in county		1	94

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COMMUNITY			
Particulate matter PM2.5		N/A	9.1
Ozone		N/A	0.361
Air pollution: annual # of unhealthy days for 65+		N/A	N/A
Age-friendly efforts in county		Not yet	Not yet
# of senior centers in county		0	115
% households that have smartphone (all ages)		19.3%	15.3%
% households without computer (all ages)		14.0%	13.5%
% households with access to Broadband (all ages)		76.2%	75.8%
% households without access to Internet (all ages)		23.6%	23.9%
Voter participation rate in 2020 presidential election (age 18+)		63.2%	61.2%
SAFETY & CRIME			
Homicide rate/100,000 persons		22.9	14.1
# firearm fatalities (all ages)		34	3,428
# 60+ deaths by suicide		0	562
TRANSPORTATION			
% 65+ who own a motor vehicle		89.6%	91.5%
% 60+ who always drive or ride wearing a seatbelt	W	78.9%	89.6%
# of fatal crashes involving adult age 60+		4	780
HOUSING			
% 65+ population who live alone		32.2%	28.1%
Average household size (all ages)	*	2.4	2.6
Median house value		$107,800	$125,500
% 60+ who own home	*	89.7%	82.7%
% 60+ homeowners who have mortgage		33.3%	32.1%
% 65+ households(renter) who spend >35% of income on housing	*	13.4%	33.5%
% 65+ households(owner) who spend >35% of income on housing		20.5%	15.2%
ECONOMIC			
% 60+ receiving food benefits in last year		7.7%	11.4%
% 65+ employed in last year		12.4%	15.6%
% 65+ with income below the poverty line in last year		15.8%	12.8%
65+ median household income		$39,125	$36,653
% 65+ households with annual income < $20,000		27.3%	27.4%
% 65+ households with annual income $20,000-$49,999		39.0%	35.5%
% 65+ households with annual income $50,000-$99,999		21.6%	24.6%
% 65+ households with annual income $100,000+		12.2%	12.5%

HEALTHY AGING INDICATORS	RATIO OF COUNTY TO STATE	$ COUNTY ESTIMATE	$ STATE ESTIMATE
Elder Index: COST OF LIVING			
Single, homeowner without mortgage, good health	1.02	$21,252	$20,760
Single, renter, good health	0.98	$23,304	$23,892
Couple, homeowner without mortgage, good health	1.04	$34,572	$33,264
Couple, renter, good health	1.01	$36,624	$36,396

TECHNICAL NOTES

**See our technical report for more information on data sources, measures, and methodology. For most indicators the county and state values are estimates derived from sample data. Thus, it is possible that some of the differences between state and county estimates may be due to chance associated with population sampling. We use the terms "Better" and "Worse" to highlight differences between county and state estimates that we are confident are not due to chance. "Better" is used where a higher/lower value has positive implications for the health of older residents. "Worse" is used where a higher/lower score has negative implications for the health of older people, and when the implication is unclear, we use an *. We balance two goals. First, we aim to report data at very local levels because we believe change is often locally driven. Second, we vowed to protect the privacy of the people providing the information reported. Thus, given the constraints of the data analyzed we used a hierarchical approach to reporting.*

Data Sources:

- *Population Characteristics: The U.S. Census Bureau (American Community Survey 2016-2020) & Robert Wood Johnson Foundation (2020).*
- *COVID-19: Mississippi State Department of Health (MSDH; 2022).*
- *Wellness, Falls, Prevention: The Behavioral Risk Factor Surveillance System (BRFSS; 2013-2020), & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Chronic Disease: The Centers for Medicare and Medicaid Services (CMS) Select Chronic Conditions Database (2018).*
- *Nutrition/Diet, Oral Health: BRFSS (2013-2020) & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Behavioral Health, Mental Health: BRFSS (2013-2020), CMS (2018), & MSDH (2022).*
- *Living with Disability: ACS (2016-2020).*
- *Caregiving: ACS (2016-2020).*
- *Access to Care: BRFSS (2013-2020), CMS (2018), National Adult Day Service Association (June 2022), Community Health Center (Association of Mississippi; June 2022).*
- *Community: Environmental Protection Agency (EPA, 2020), BRFSS (2013-2020), ACS (2016-2020), AARP, & State of Mississippi (May 2022).*
- *Safety & Crime: CDC WONDER (2016-2020).*
- *Transportation: BRFSS (2013-2020), ACS (2016-2020), & Fatality Analysis Reporting System (FARS; 2016-2020).*
- *Housing & Economic: ACS (2016-2020).*
- *Elder Index: Center for Social and Demographic Research on Aging at the University of Massachusetts Boston (2022).*

Acknowledgments: Many people contributed to the MS Healthy Aging Data Report research. The University of Massachusetts Boston Gerontology Institute 2022 research team: Beth Dugan PhD, Nina Silverstein PhD, Chae Man Lee PhD, Taylor Jansen MS, Shu Xu MS, & Yanjhu Su MS. Dr. Kina White from the Mississippi State Department of Health provided important guidance and leadership.

Questions? Beth.Dugan@umb.edu

Hancock

POPULATION CHARACTERISTICS	County rate is significantly different than State rate	COUNTY ESTIMATE	STATE ESTIMATE
Total population all ages		47,339	2,981,835
Population 60 years or older as % of total population		28.5%	22.3%
Total population 60 years or older		13,498	663,581
Population 65 years or older as % of total population		20.3%	15.9%
Total population 65 years or older		9,602	474,270
% 65-74 years		62.0%	59.7%
% 75-84 years		29.4%	29.4%
% 85 years or older		8.6%	10.1%
% 65+ population who are female		54.6%	56.5%
% 85+ population who are female		62.5%	67.4%
Race and ethnicity of the population 65+			
% White	*	89.8%	70.9%
% African American	*	5.8%	26.9%
% Other race(s)		4.4%	2.2%
% Hispanic/Latino		1.6%	1.0%
Marital status of the population 65+			
% married	*	62.0%	53.1%
% divorced/separated		12.9%	14.5%
% widowed	*	20.9%	27.1%
% never married		4.2%	5.3%
Education of the population 65+			
% with less than high school education	*	12.1%	20.1%
% with high school or some college		60.9%	58.7%
% with college degree		15.3%	11.8%
% with graduate or professional degree		11.7%	9.4%
% of 65+ population who speak only English at home		95.4%	97.8%
% of 65+ population who are veterans of military service	*	22.2%	15.8%
Life expectancy at birth		76.9	74.6

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COVID-19			
Total COVID-19 cases since March 2020		12,230	797,161
COVID-19 mortality rate per 100,000 people		321.1	417.1
% of county received at least one vaccine dose		42.0%	53.7%
% of county fully vaccinated		37.0%	48.9%
WELLNESS			
% 60+ getting the recommended hours of sleep		60.8%	59.9%
% 60+ doing any physical activity within last month		62.7%	61.3%
% 60+ met CDC guidelines for muscle-strengthening activity		19.3%	19.0%
% 60+ met CDC guidelines for aerobic physical activity		35.7%	39.8%
% 60+ with fair or poor health status		38.0%	32.5%
% 60+ with 15+ physically unhealthy days in last month		19.0%	18.7%
FALLS			
% 60+ who fell within last year		34.2%	27.8%
% 60+ who were injured in a fall within last year		11.5%	10.6%
PREVENTION			
% 60+ with physical exam/check-up in last year		74.9%	89.0%
% 60+ had flu shot in last year		63.0%	57.6%
% 60+ had pneumonia vaccine		59.1%	58.9%
% 60+ had shingles vaccine		30.7%	24.4%
% 60+ women with a mammogram within last 2 years		75.8%	71.0%
% 60+ with colorectal cancer screening		54.4%	57.1%
% 60+ with HIV test		17.8%	20.8%
% 60+ met CDC preventive health screening goals		20.4%	26.2%
CHRONIC DISEASE			
% 65+ with Alzheimer’s disease or related dementias		11.5%	12.9%
% 65+ with arthritis		36.1%	39.8%
% 65+ with asthma		2.9%	3.7%
% 65+ with atrial fibrillation		10.7%	8.9%
% 65+ with cancer (breast, colorectal, lung, prostate)		9.0%	8.8%
% 65+ with chronic kidney disease		23.6%	25.3%
% 65+ with chronic obstructive pulmonary disease (COPD)		14.7%	12.6%
% 65+ with diabetes		28.7%	30.7%
% 65+ with high cholesterol		55.6%	48.9%
% 65+ with heart failure		17.2%	16.1%
% 65+ with hypertension		63.5%	67.9%
% 65+ with ischemic heart disease		34.3%	31.9%
% 65+ with osteoporosis		7.3%	6.4%
% 65+ with stroke		4.3%	4.4%

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
NUTRITION & DIET			
% 60+ with 5 or more servings of fruits or vegetables per day		13.2%	11.1%
% 60+ self-reported obese		31.8%	36.0%
% 60+ with cholesterol screening	W	85.1%	94.7%
ORAL HEALTH			
% 60+ with annual dental exam		58.0%	56.3%
# of dentists per 100,000 persons (all ages)		29.2	42.1
% 60+ with loss of 6 or more teeth		34.4%	45.8%
BEHAVIORAL HEALTH			
# of drug overdose deaths (all ages)		88	2,137
% 60+ current smokers		20.7%	13.1%
% 65+ with alcohol abuse disorder		1.8%	1.3%
% 65+ with drug abuse/substance abuse disorder		2.4%	2.6%
MENTAL HEALTH			
% 60+ with 15+ days poor mental health in last month		11.3%	9.8%
% 65+ with depression		14.4%	16.4%
% 65+ with schizophrenia & other psychotic disorder		1.8%	2.2%
LIVING WITH DISABILITY			
% 65+ with self-reported hearing difficulty		13.7%	15.5%
% 65+ with self-reported vision difficulty		6.4%	8.7%
% 65+ with self-reported cognition difficulty		9.1%	11.2%
% 65+ with self-reported ambulatory difficulty	*	20.6%	28.0%
% 65+ with self-reported self-care difficulty	*	6.8%	10.2%
% 65+ with self-reported independent living difficulty	*	12.3%	17.3%
CAREGIVING			
% of grandparents raising grandchildren		2.7%	2.4%
% of grandparents who live with grandchildren		5.6%	4.7%
ACCESS TO CARE			
% 60+ with a regular doctor		94.9%	92.0%
% 60+ who did not see a doctor when needed due to cost		8.6%	8.6%
# of primary care providers in county		62	3,571
# of rural health care centers in county		2	191
# of hospitals in county		1	101
# of home health agencies in county		0	45
# of nursing homes in county		2	204
# of community health centers in county		0	20
# of adult day health centers in county		0	8
# of hospice agencies in county		1	94

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COMMUNITY			
Particulate matter PM2.5		8.4	9.1
Ozone		0.037	0.361
Air pollution: annual # of unhealthy days for 65+		0	N/A
Age-friendly efforts in county		Not yet	Not yet
# of senior centers in county		0	115
% households that have smartphone (all ages)		12.0%	15.3%
% households without computer (all ages)	*	9.2%	13.5%
% households with access to Broadband (all ages)	*	81.0%	75.8%
% households without access to Internet (all ages)	*	18.8%	23.9%
Voter participation rate in 2020 presidential election (age 18+)		58.8%	61.2%
SAFETY & CRIME			
Homicide rate/100,000 persons		8.4	14.1
# firearm fatalities (all ages)		52	3,428
# 60+ deaths by suicide		19	562
TRANSPORTATION			
% 65+ who own a motor vehicle		94.4%	91.5%
% 60+ who always drive or ride wearing a seatbelt		94.3%	89.6%
# of fatal crashes involving adult age 60+		12	780
HOUSING			
% 65+ population who live alone		27.8%	28.1%
Average household size (all ages)	*	2.2	2.6
Median house value	*	$167,700	$125,500
% 60+ who own home	*	89.7%	82.7%
% 60+ homeowners who have mortgage		32.1%	32.1%
% 65+ households(renter) who spend >35% of income on housing		24.8%	33.5%
% 65+ households(owner) who spend >35% of income on housing		17.3%	15.2%
ECONOMIC			
% 60+ receiving food benefits in last year		8.5%	11.4%
% 65+ employed in last year	*	10.8%	15.6%
% 65+ with income below the poverty line in last year	*	8.3%	12.8%
65+ median household income		$41,609	$36,653
% 65+ households with annual income < $20,000		22.3%	27.4%
% 65+ households with annual income $20,000-$49,999		36.7%	35.5%
% 65+ households with annual income $50,000-$99,999		29.2%	24.6%
% 65+ households with annual income $100,000+		11.9%	12.5%

HEALTHY AGING INDICATORS	RATIO OF COUNTY TO STATE	$ COUNTY ESTIMATE	$ STATE ESTIMATE
Elder Index: COST OF LIVING			
Single, homeowner without mortgage, good health	0.94	$19,464	$20,760
Single, renter, good health	0.98	$23,340	$23,892
Couple, homeowner without mortgage, good health	0.92	$30,696	$33,264
Couple, renter, good health	0.95	$34,572	$36,396

TECHNICAL NOTES

**See our technical report for more information on data sources, measures, and methodology. For most indicators the county and state values are estimates derived from sample data. Thus, it is possible that some of the differences between state and county estimates may be due to chance associated with population sampling. We use the terms "Better" and "Worse" to highlight differences between county and state estimates that we are confident are not due to chance. "Better" is used where a higher/lower value has positive implications for the health of older residents. "Worse" is used where a higher/lower score has negative implications for the health of older people, and when the implication is unclear, we use an *. We balance two goals. First, we aim to report data at very local levels because we believe change is often locally driven. Second, we vowed to protect the privacy of the people providing the information reported. Thus, given the constraints of the data analyzed we used a hierarchical approach to reporting.*

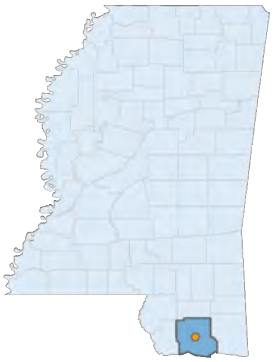
Data Sources:

- *Population Characteristics: The U.S. Census Bureau (American Community Survey 2016-2020) & Robert Wood Johnson Foundation (2020).*
- *COVID-19: Mississippi State Department of Health (MSDH; 2022).*
- *Wellness, Falls, Prevention: The Behavioral Risk Factor Surveillance System (BRFSS; 2013-2020), & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Chronic Disease: The Centers for Medicare and Medicaid Services (CMS) Select Chronic Conditions Database (2018).*
- *Nutrition/Diet, Oral Health: BRFSS (2013-2020) & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Behavioral Health, Mental Health: BRFSS (2013-2020), CMS (2018), & MSDH (2022).*
- *Living with Disability: ACS (2016-2020).*
- *Caregiving: ACS (2016-2020).*
- *Access to Care: BRFSS (2013-2020), CMS (2018), National Adult Day Service Association (June 2022), Community Health Center (Association of Mississippi; June 2022).*
- *Community: Environmental Protection Agency (EPA, 2020), BRFSS (2013-2020), ACS (2016-2020), AARP, & State of Mississippi (May 2022).*
- *Safety & Crime: CDC WONDER (2016-2020).*
- *Transportation: BRFSS (2013-2020), ACS (2016-2020), & Fatality Analysis Reporting System (FARS; 2016-2020).*
- *Housing & Economic: ACS (2016-2020).*
- *Elder Index: Center for Social and Demographic Research on Aging at the University of Massachusetts Boston (2022).*

Acknowledgments: Many people contributed to the MS Healthy Aging Data Report research. The University of Massachusetts Boston Gerontology Institute 2022 research team: Beth Dugan PhD, Nina Silverstein PhD, Chae Man Lee PhD, Taylor Jansen MS, Shu Xu MS, & Yanjhu Su MS. Dr. Kina White from the Mississippi State Department of Health provided important guidance and leadership.

Questions? Beth.Dugan@umb.edu

Harrison



POPULATION CHARACTERISTICS	County rate is significantly different than State rate	COUNTY ESTIMATE	STATE ESTIMATE
Total population all ages		206,169	2,981,835
Population 60 years or older as % of total population		21.1%	22.3%
Total population 60 years or older		43,399	663,581
Population 65 years or older as % of total population		15.0%	15.9%
Total population 65 years or older		30,825	474,270
% 65-74 years		60.8%	59.7%
% 75-84 years		28.4%	29.4%
% 85 years or older		10.8%	10.1%
% 65+ population who are female		55.0%	56.5%
% 85+ population who are female		58.6%	67.4%
Race and ethnicity of the population 65+			
% White	*	79.6%	70.9%
% African American	*	15.6%	26.9%
% Other race(s)	*	4.8%	2.2%
% Hispanic/Latino	*	2.1%	1.0%
Marital status of the population 65+			
% married		53.7%	53.1%
% divorced/separated	*	17.4%	14.5%
% widowed		25.0%	27.1%
% never married	*	3.9%	5.3%
Education of the population 65+			
% with less than high school education	*	13.5%	20.1%
% with high school or some college	*	63.6%	58.7%
% with college degree		12.3%	11.8%
% with graduate or professional degree		10.6%	9.4%
% of 65+ population who speak only English at home		94.9%	97.8%
% of 65+ population who are veterans of military service	*	26.4%	15.8%
Life expectancy at birth		75.2	74.6

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COVID-19			
Total COVID-19 cases since March 2020		53,702	797,161
COVID-19 mortality rate per 100,000 people		322.1	417.1
% of county received at least one vaccine dose		53.0%	53.7%
% of county fully vaccinated		47.0%	48.9%
WELLNESS			
% 60+ getting the recommended hours of sleep		57.0%	59.9%
% 60+ doing any physical activity within last month		63.5%	61.3%
% 60+ met CDC guidelines for muscle-strengthening activity		23.3%	19.0%
% 60+ met CDC guidelines for aerobic physical activity		40.9%	39.8%
% 60+ with fair or poor health status		28.2%	32.5%
% 60+ with 15+ physically unhealthy days in last month		17.9%	18.7%
FALLS			
% 60+ who fell within last year		31.1%	27.8%
% 60+ who were injured in a fall within last year		11.5%	10.6%
PREVENTION			
% 60+ with physical exam/check-up in last year		89.3%	89.0%
% 60+ had flu shot in last year		53.3%	57.6%
% 60+ had pneumonia vaccine		61.8%	58.9%
% 60+ had shingles vaccine		23.3%	24.4%
% 60+ women with a mammogram within last 2 years		69.4%	71.0%
% 60+ with colorectal cancer screening		55.0%	57.1%
% 60+ with HIV test		26.0%	20.8%
% 60+ met CDC preventive health screening goals		27.0%	26.2%
CHRONIC DISEASE			
% 65+ with Alzheimer’s disease or related dementias		11.2%	12.9%
% 65+ with arthritis		37.3%	39.8%
% 65+ with asthma		2.7%	3.7%
% 65+ with atrial fibrillation		9.4%	8.9%
% 65+ with cancer (breast, colorectal, lung, prostate)		9.4%	8.8%
% 65+ with chronic kidney disease		23.4%	25.3%
% 65+ with chronic obstructive pulmonary disease (COPD)		14.3%	12.6%
% 65+ with diabetes		28.7%	30.7%
% 65+ with high cholesterol		54.0%	48.9%
% 65+ with heart failure		15.1%	16.1%
% 65+ with hypertension		63.3%	67.9%
% 65+ with ischemic heart disease		31.0%	31.9%
% 65+ with osteoporosis		9.1%	6.4%
% 65+ with stroke		4.2%	4.4%

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
NUTRITION & DIET			
% 60+ with 5 or more servings of fruits or vegetables per day		13.2%	11.1%
% 60+ self-reported obese		40.0%	36.0%
% 60+ with cholesterol screening		96.5%	94.7%
ORAL HEALTH			
% 60+ with annual dental exam		63.6%	56.3%
# of dentists per 100,000 persons (all ages)		57.0	42.1
% 60+ with loss of 6 or more teeth		47.4%	45.8%
BEHAVIORAL HEALTH			
# of drug overdose deaths (all ages)		220	2,137
% 60+ current smokers		14.8%	13.1%
% 65+ with alcohol abuse disorder		1.7%	1.3%
% 65+ with drug abuse/substance abuse disorder		3.1%	2.6%
MENTAL HEALTH			
% 60+ with 15+ days poor mental health in last month		11.3%	9.8%
% 65+ with depression		16.6%	16.4%
% 65+ with schizophrenia & other psychotic disorder		1.8%	2.2%
LIVING WITH DISABILITY			
% 65+ with self-reported hearing difficulty	*	18.4%	15.5%
% 65+ with self-reported vision difficulty		8.1%	8.7%
% 65+ with self-reported cognition difficulty		11.6%	11.2%
% 65+ with self-reported ambulatory difficulty		31.0%	28.0%
% 65+ with self-reported self-care difficulty		11.7%	10.2%
% 65+ with self-reported independent living difficulty		15.6%	17.3%
CAREGIVING			
% of grandparents raising grandchildren		2.3%	2.4%
% of grandparents who live with grandchildren		4.1%	4.7%
ACCESS TO CARE			
% 60+ with a regular doctor		90.1%	92.0%
% 60+ who did not see a doctor when needed due to cost		8.6%	8.6%
# of primary care providers in county		513	3,571
# of rural health care centers in county		3	191
# of hospitals in county		6	101
# of home health agencies in county		5	45
# of nursing homes in county		8	204
# of community health centers in county		1	20
# of adult day health centers in county		0	8
# of hospice agencies in county		7	94

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COMMUNITY			
Particulate matter PM2.5		9.6	9.1
Ozone		0.038	0.361
Air pollution: annual # of unhealthy days for 65+		1	N/A
Age-friendly efforts in county		Not yet	Not yet
# of senior centers in county		13	115
% households that have smartphone (all ages)	*	13.5%	15.3%
% households without computer (all ages)	*	9.5%	13.5%
% households with access to Broadband (all ages)	*	83.1%	75.8%
% households without access to Internet (all ages)	*	16.8%	23.9%
Voter participation rate in 2020 presidential election (age 18+)		52.6%	61.2%
SAFETY & CRIME			
Homicide rate/100,000 persons		8.6	14.1
# firearm fatalities (all ages)		201	3,428
# 60+ deaths by suicide		54	562
TRANSPORTATION			
% 65+ who own a motor vehicle		91.4%	91.5%
% 60+ who always drive or ride wearing a seatbelt	B	94.8%	89.6%
# of fatal crashes involving adult age 60+		46	780
HOUSING			
% 65+ population who live alone		27.6%	28.1%
Average household size (all ages)	*	2.5	2.6
Median house value	*	$157,900	$125,500
% 60+ who own home	*	76.7%	82.7%
% 60+ homeowners who have mortgage	*	38.5%	32.1%
% 65+ households(renter) who spend >35% of income on housing		43.4%	33.5%
% 65+ households(owner) who spend >35% of income on housing		14.2%	15.2%
ECONOMIC			
% 60+ receiving food benefits in last year		13.1%	11.4%
% 65+ employed in last year		14.2%	15.6%
% 65+ with income below the poverty line in last year	*	9.5%	12.8%
65+ median household income	*	$42,760	$36,653
% 65+ households with annual income < $20,000	*	22.4%	27.4%
% 65+ households with annual income $20,000-$49,999		33.7%	35.5%
% 65+ households with annual income $50,000-$99,999		28.8%	24.6%
% 65+ households with annual income $100,000+		15.0%	12.5%

HEALTHY AGING INDICATORS	RATIO OF COUNTY TO STATE	$ COUNTY ESTIMATE	$ STATE ESTIMATE
Elder Index: COST OF LIVING			
Single, homeowner without mortgage, good health	0.95	$19,680	$20,760
Single, renter, good health	0.98	$23,376	$23,892
Couple, homeowner without mortgage, good health	0.93	$30,912	$33,264
Couple, renter, good health	0.95	$34,608	$36,396

TECHNICAL NOTES

**See our technical report for more information on data sources, measures, and methodology. For most indicators the county and state values are estimates derived from sample data. Thus, it is possible that some of the differences between state and county estimates may be due to chance associated with population sampling. We use the terms "Better" and "Worse" to highlight differences between county and state estimates that we are confident are not due to chance. "Better" is used where a higher/lower value has positive implications for the health of older residents. "Worse" is used where a higher/lower score has negative implications for the health of older people, and when the implication is unclear, we use an *. We balance two goals. First, we aim to report data at very local levels because we believe change is often locally driven. Second, we vowed to protect the privacy of the people providing the information reported. Thus, given the constraints of the data analyzed we used a hierarchical approach to reporting.*

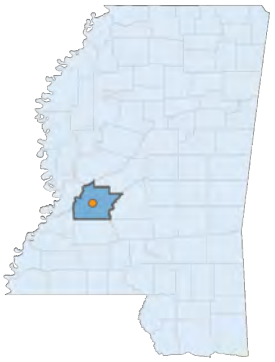
Data Sources:

- *Population Characteristics: The U.S. Census Bureau (American Community Survey 2016-2020) & Robert Wood Johnson Foundation (2020).*
- *COVID-19: Mississippi State Department of Health (MSDH; 2022).*
- *Wellness, Falls, Prevention: The Behavioral Risk Factor Surveillance System (BRFSS; 2013-2020), & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Chronic Disease: The Centers for Medicare and Medicaid Services (CMS) Select Chronic Conditions Database (2018).*
- *Nutrition/Diet, Oral Health: BRFSS (2013-2020) & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Behavioral Health, Mental Health: BRFSS (2013-2020), CMS (2018), & MSDH (2022).*
- *Living with Disability: ACS (2016-2020).*
- *Caregiving: ACS (2016-2020).*
- *Access to Care: BRFSS (2013-2020), CMS (2018), National Adult Day Service Association (June 2022), Community Health Center (Association of Mississippi; June 2022).*
- *Community: Environmental Protection Agency (EPA, 2020), BRFSS (2013-2020), ACS (2016-2020), AARP, & State of Mississippi (May 2022).*
- *Safety & Crime: CDC WONDER (2016-2020).*
- *Transportation: BRFSS (2013-2020), ACS (2016-2020), & Fatality Analysis Reporting System (FARS; 2016-2020).*
- *Housing & Economic: ACS (2016-2020).*
- *Elder Index: Center for Social and Demographic Research on Aging at the University of Massachusetts Boston (2022).*

Acknowledgments: Many people contributed to the MS Healthy Aging Data Report research. The University of Massachusetts Boston Gerontology Institute 2022 research team: Beth Dugan PhD, Nina Silverstein PhD, Chae Man Lee PhD, Taylor Jansen MS, Shu Xu MS, & Yanjhu Su MS. Dr. Kina White from the Mississippi State Department of Health provided important guidance and leadership.

Questions? Beth.Dugan@umb.edu

Hinds



POPULATION CHARACTERISTICS	County rate is significantly different than State rate	COUNTY ESTIMATE	STATE ESTIMATE
Total population all ages		235,604	2,981,835
Population 60 years or older as % of total population		20.6%	22.3%
Total population 60 years or older		48,439	663,581
Population 65 years or older as % of total population		14.3%	15.9%
Total population 65 years or older		33,586	474,270
% 65-74 years		60.1%	59.7%
% 75-84 years		27.5%	29.4%
% 85 years or older		12.4%	10.1%
% 65+ population who are female		58.6%	56.5%
% 85+ population who are female		63.4%	67.4%
Race and ethnicity of the population 65+			
% White	*	42.0%	70.9%
% African American	*	56.3%	26.9%
% Other race(s)		1.7%	2.2%
% Hispanic/Latino	*	0.5%	1.0%
Marital status of the population 65+			
% married	*	47.1%	53.1%
% divorced/separated	*	17.9%	14.5%
% widowed		27.9%	27.1%
% never married	*	7.1%	5.3%
Education of the population 65+			
% with less than high school education	*	17.6%	20.1%
% with high school or some college	*	50.4%	58.7%
% with college degree	*	16.3%	11.8%
% with graduate or professional degree	*	15.6%	9.4%
% of 65+ population who speak only English at home		98.5%	97.8%
% of 65+ population who are veterans of military service		15.0%	15.8%
Life expectancy at birth		75.2	74.6

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COVID-19			
Total COVID-19 cases since March 2020		52,391	797,161
COVID-19 mortality rate per 100,000 people		335.7	417.1
% of county received at least one vaccine dose		62.0%	53.7%
% of county fully vaccinated		57.0%	48.9%
WELLNESS			
% 60+ getting the recommended hours of sleep		56.0%	59.9%
% 60+ doing any physical activity within last month		65.3%	61.3%
% 60+ met CDC guidelines for muscle-strengthening activity		21.6%	19.0%
% 60+ met CDC guidelines for aerobic physical activity		43.5%	39.8%
% 60+ with fair or poor health status		27.0%	32.5%
% 60+ with 15+ physically unhealthy days in last month		16.0%	18.7%
FALLS			
% 60+ who fell within last year		27.2%	27.8%
% 60+ who were injured in a fall within last year		10.1%	10.6%
PREVENTION			
% 60+ with physical exam/check-up in last year		90.7%	89.0%
% 60+ had flu shot in last year		57.2%	57.6%
% 60+ had pneumonia vaccine		57.8%	58.9%
% 60+ had shingles vaccine		22.7%	24.4%
% 60+ women with a mammogram within last 2 years		76.0%	71.0%
% 60+ with colorectal cancer screening		63.4%	57.1%
% 60+ with HIV test		26.2%	20.8%
% 60+ met CDC preventive health screening goals		30.9%	26.2%
CHRONIC DISEASE			
% 65+ with Alzheimer’s disease or related dementias		13.7%	12.9%
% 65+ with arthritis		35.6%	39.8%
% 65+ with asthma		3.9%	3.7%
% 65+ with atrial fibrillation		7.1%	8.9%
% 65+ with cancer (breast, colorectal, lung, prostate)		8.5%	8.8%
% 65+ with chronic kidney disease		22.5%	25.3%
% 65+ with chronic obstructive pulmonary disease (COPD)		9.0%	12.6%
% 65+ with diabetes		29.1%	30.7%
% 65+ with high cholesterol		41.4%	48.9%
% 65+ with heart failure		13.4%	16.1%
% 65+ with hypertension		63.5%	67.9%
% 65+ with ischemic heart disease		23.5%	31.9%
% 65+ with osteoporosis		5.6%	6.4%
% 65+ with stroke		4.6%	4.4%

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
NUTRITION & DIET			
% 60+ with 5 or more servings of fruits or vegetables per day		11.5%	11.1%
% 60+ self-reported obese		36.8%	36.0%
% 60+ with cholesterol screening		94.5%	94.7%
ORAL HEALTH			
% 60+ with annual dental exam		57.8%	56.3%
# of dentists per 100,000 persons (all ages)		65.4	42.1
% 60+ with loss of 6 or more teeth		44.9%	45.8%
BEHAVIORAL HEALTH			
# of drug overdose deaths (all ages)		148	2,137
% 60+ current smokers		13.8%	13.1%
% 65+ with alcohol abuse disorder		1.3%	1.3%
% 65+ with drug abuse/substance abuse disorder		2.0%	2.6%
MENTAL HEALTH			
% 60+ with 15+ days poor mental health in last month		9.5%	9.8%
% 65+ with depression		14.3%	16.4%
% 65+ with schizophrenia & other psychotic disorder		3.4%	2.2%
LIVING WITH DISABILITY			
% 65+ with self-reported hearing difficulty	*	9.9%	15.5%
% 65+ with self-reported vision difficulty		8.0%	8.7%
% 65+ with self-reported cognition difficulty		10.1%	11.2%
% 65+ with self-reported ambulatory difficulty		26.4%	28.0%
% 65+ with self-reported self-care difficulty		11.5%	10.2%
% 65+ with self-reported independent living difficulty		19.2%	17.3%
CAREGIVING			
% of grandparents raising grandchildren		2.6%	2.4%
% of grandparents who live with grandchildren		5.0%	4.7%
ACCESS TO CARE			
% 60+ with a regular doctor		90.6%	92.0%
% 60+ who did not see a doctor when needed due to cost		7.5%	8.6%
# of primary care providers in county		606	3,571
# of rural health care centers in county		2	191
# of hospitals in county		5	101
# of home health agencies in county		2	45
# of nursing homes in county		12	204
# of community health centers in county		1	20
# of adult day health centers in county		1	8
# of hospice agencies in county		4	94

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COMMUNITY			
Particulate matter PM2.5		9.8	9.1
Ozone		0.035	0.361
Air pollution: annual # of unhealthy days for 65+		1	N/A
Age-friendly efforts in county		Yes	Not yet
# of senior centers in county		11	115
% households that have smartphone (all ages)		16.2%	15.3%
% households without computer (all ages)	*	11.1%	13.5%
% households with access to Broadband (all ages)	*	83.6%	75.8%
% households without access to Internet (all ages)	*	16.3%	23.9%
Voter participation rate in 2020 presidential election (age 18+)		52.4%	61.2%
SAFETY & CRIME			
Homicide rate/100,000 persons		34.1	14.1
# firearm fatalities (all ages)		480	3,428
# 60+ deaths by suicide		36	562
TRANSPORTATION			
% 65+ who own a motor vehicle		90.8%	91.5%
% 60+ who always drive or ride wearing a seatbelt		91.3%	89.6%
# of fatal crashes involving adult age 60+		37	780
HOUSING			
% 65+ population who live alone		30.2%	28.1%
Average household size (all ages)		2.5	2.6
Median house value		$121,500	$125,500
% 60+ who own home	*	75.6%	82.7%
% 60+ homeowners who have mortgage	*	40.9%	32.1%
% 65+ households(renter) who spend >35% of income on housing		43.1%	33.5%
% 65+ households(owner) who spend >35% of income on housing		13.5%	15.2%
ECONOMIC			
% 60+ receiving food benefits in last year		12.5%	11.4%
% 65+ employed in last year	*	18.6%	15.6%
% 65+ with income below the poverty line in last year		12.6%	12.8%
65+ median household income		$38,788	$36,653
% 65+ households with annual income < $20,000		24.0%	27.4%
% 65+ households with annual income $20,000-$49,999		36.1%	35.5%
% 65+ households with annual income $50,000-$99,999		24.1%	24.6%
% 65+ households with annual income $100,000+	*	15.8%	12.5%

HEALTHY AGING INDICATORS	RATIO OF COUNTY TO STATE	$ COUNTY ESTIMATE	$ STATE ESTIMATE
Elder Index: COST OF LIVING			
Single, homeowner without mortgage, good health	0.98	$20,328	$20,760
Single, renter, good health	1.04	$24,816	$23,892
Couple, homeowner without mortgage, good health	0.97	$32,172	$33,264
Couple, renter, good health	1.01	$36,660	$36,396

TECHNICAL NOTES

**See our technical report for more information on data sources, measures, and methodology. For most indicators the county and state values are estimates derived from sample data. Thus, it is possible that some of the differences between state and county estimates may be due to chance associated with population sampling. We use the terms "Better" and "Worse" to highlight differences between county and state estimates that we are confident are not due to chance. "Better" is used where a higher/lower value has positive implications for the health of older residents. "Worse" is used where a higher/lower score has negative implications for the health of older people, and when the implication is unclear, we use an *. We balance two goals. First, we aim to report data at very local levels because we believe change is often locally driven. Second, we vowed to protect the privacy of the people providing the information reported. Thus, given the constraints of the data analyzed we used a hierarchical approach to reporting.*

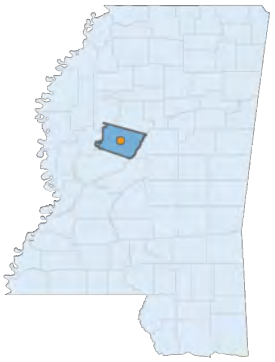
Data Sources:

- *Population Characteristics: The U.S. Census Bureau (American Community Survey 2016-2020) & Robert Wood Johnson Foundation (2020).*
- *COVID-19: Mississippi State Department of Health (MSDH; 2022).*
- *Wellness, Falls, Prevention: The Behavioral Risk Factor Surveillance System (BRFSS; 2013-2020), & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Chronic Disease: The Centers for Medicare and Medicaid Services (CMS) Select Chronic Conditions Database (2018).*
- *Nutrition/Diet, Oral Health: BRFSS (2013-2020) & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Behavioral Health, Mental Health: BRFSS (2013-2020), CMS (2018), & MSDH (2022).*
- *Living with Disability: ACS (2016-2020).*
- *Caregiving: ACS (2016-2020).*
- *Access to Care: BRFSS (2013-2020), CMS (2018), National Adult Day Service Association (June 2022), Community Health Center (Association of Mississippi; June 2022).*
- *Community: Environmental Protection Agency (EPA, 2020), BRFSS (2013-2020), ACS (2016-2020), AARP, & State of Mississippi (May 2022).*
- *Safety & Crime: CDC WONDER (2016-2020).*
- *Transportation: BRFSS (2013-2020), ACS (2016-2020), & Fatality Analysis Reporting System (FARS; 2016-2020).*
- *Housing & Economic: ACS (2016-2020).*
- *Elder Index: Center for Social and Demographic Research on Aging at the University of Massachusetts Boston (2022).*

Acknowledgments: Many people contributed to the MS Healthy Aging Data Report research. The University of Massachusetts Boston Gerontology Institute 2022 research team: Beth Dugan PhD, Nina Silverstein PhD, Chae Man Lee PhD, Taylor Jansen MS, Shu Xu MS, & Yanjhu Su MS. Dr. Kina White from the Mississippi State Department of Health provided important guidance and leadership.

Questions? Beth.Dugan@umb.edu

Holmes



POPULATION CHARACTERISTICS	County rate is significantly different than State rate	COUNTY ESTIMATE	STATE ESTIMATE
Total population all ages		17,414	2,981,835
Population 60 years or older as % of total population		21.8%	22.3%
Total population 60 years or older		3,794	663,581
Population 65 years or older as % of total population		15.2%	15.9%
Total population 65 years or older		2,641	474,270
% 65-74 years		57.2%	59.7%
% 75-84 years		30.9%	29.4%
% 85 years or older		11.9%	10.1%
% 65+ population who are female		58.0%	56.5%
% 85+ population who are female		64.4%	67.4%
Race and ethnicity of the population 65+			
% White	*	27.3%	70.9%
% African American	*	72.4%	26.9%
% Other race(s)		0.3%	2.2%
% Hispanic/Latino		0.6%	1.0%
Marital status of the population 65+			
% married	*	44.1%	53.1%
% divorced/separated		12.4%	14.5%
% widowed		29.3%	27.1%
% never married	*	14.2%	5.3%
Education of the population 65+			
% with less than high school education	*	39.0%	20.1%
% with high school or some college	*	47.9%	58.7%
% with college degree	*	6.7%	11.8%
% with graduate or professional degree		6.4%	9.4%
% of 65+ population who speak only English at home		99.6%	97.8%
% of 65+ population who are veterans of military service	*	8.3%	15.8%
Life expectancy at birth		72.1	74.6

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COVID-19			
Total COVID-19 cases since March 2020		4,446	797,161
COVID-19 mortality rate per 100,000 people		597.2	417.1
% of county received at least one vaccine dose		67.0%	53.7%
% of county fully vaccinated		60.0%	48.9%
WELLNESS			
% 60+ getting the recommended hours of sleep		50.8%	59.9%
% 60+ doing any physical activity within last month	W	46.3%	61.3%
% 60+ met CDC guidelines for muscle-strengthening activity		13.2%	19.0%
% 60+ met CDC guidelines for aerobic physical activity	W	29.0%	39.8%
% 60+ with fair or poor health status		35.7%	32.5%
% 60+ with 15+ physically unhealthy days in last month		16.9%	18.7%
FALLS			
% 60+ who fell within last year		31.1%	27.8%
% 60+ who were injured in a fall within last year		9.4%	10.6%
PREVENTION			
% 60+ with physical exam/check-up in last year		90.9%	89.0%
% 60+ had flu shot in last year		52.0%	57.6%
% 60+ had pneumonia vaccine	W	40.1%	58.9%
% 60+ had shingles vaccine		20.7%	24.4%
% 60+ women with a mammogram within last 2 years		73.0%	71.0%
% 60+ with colorectal cancer screening		54.0%	57.1%
% 60+ with HIV test		24.7%	20.8%
% 60+ met CDC preventive health screening goals		19.2%	26.2%
CHRONIC DISEASE			
% 65+ with Alzheimer’s disease or related dementias		15.1%	12.9%
% 65+ with arthritis		37.9%	39.8%
% 65+ with asthma		4.3%	3.7%
% 65+ with atrial fibrillation		6.0%	8.9%
% 65+ with cancer (breast, colorectal, lung, prostate)		8.3%	8.8%
% 65+ with chronic kidney disease		30.9%	25.3%
% 65+ with chronic obstructive pulmonary disease (COPD)		11.0%	12.6%
% 65+ with diabetes		37.0%	30.7%
% 65+ with high cholesterol		36.6%	48.9%
% 65+ with heart failure		18.7%	16.1%
% 65+ with hypertension		72.9%	67.9%
% 65+ with ischemic heart disease		26.0%	31.9%
% 65+ with osteoporosis		N/A	6.4%
% 65+ with stroke		5.0%	4.4%

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
NUTRITION & DIET			
% 60+ with 5 or more servings of fruits or vegetables per day		11.0%	11.1%
% 60+ self-reported obese		44.4%	36.0%
% 60+ with cholesterol screening		95.8%	94.7%
ORAL HEALTH			
% 60+ with annual dental exam		52.0%	56.3%
# of dentists per 100,000 persons (all ages)		6.0	42.1
% 60+ with loss of 6 or more teeth		60.4%	45.8%
BEHAVIORAL HEALTH			
# of drug overdose deaths (all ages)		0	2,137
% 60+ current smokers		17.0%	13.1%
% 65+ with alcohol abuse disorder		1.2%	1.3%
% 65+ with drug abuse/substance abuse disorder		2.4%	2.6%
MENTAL HEALTH			
% 60+ with 15+ days poor mental health in last month		9.2%	9.8%
% 65+ with depression		12.0%	16.4%
% 65+ with schizophrenia & other psychotic disorder		4.1%	2.2%
LIVING WITH DISABILITY			
% 65+ with self-reported hearing difficulty		13.0%	15.5%
% 65+ with self-reported vision difficulty	*	20.5%	8.7%
% 65+ with self-reported cognition difficulty		13.3%	11.2%
% 65+ with self-reported ambulatory difficulty		33.5%	28.0%
% 65+ with self-reported self-care difficulty		14.1%	10.2%
% 65+ with self-reported independent living difficulty		20.7%	17.3%
CAREGIVING			
% of grandparents raising grandchildren		3.5%	2.4%
% of grandparents who live with grandchildren	*	7.4%	4.7%
ACCESS TO CARE			
% 60+ with a regular doctor		91.8%	92.0%
% 60+ who did not see a doctor when needed due to cost		8.7%	8.6%
# of primary care providers in county		8	3,571
# of rural health care centers in county		3	191
# of hospitals in county		1	101
# of home health agencies in county		0	45
# of nursing homes in county		2	204
# of community health centers in county		0	20
# of adult day health centers in county		0	8
# of hospice agencies in county		0	94

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COMMUNITY			
Particulate matter PM2.5		N/A	9.1
Ozone		N/A	0.361
Air pollution: annual # of unhealthy days for 65+		N/A	N/A
Age-friendly efforts in county		Not yet	Not yet
# of senior centers in county		0	115
% households that have smartphone (all ages)	*	21.7%	15.3%
% households without computer (all ages)	*	26.2%	13.5%
% households with access to Broadband (all ages)	*	50.3%	75.8%
% households without access to Internet (all ages)	*	49.7%	23.9%
Voter participation rate in 2020 presidential election (age 18+)		58.9%	61.2%
SAFETY & CRIME			
Homicide rate/100,000 persons		40.2	14.1
# firearm fatalities (all ages)		39	3,428
# 60+ deaths by suicide		0	562
TRANSPORTATION			
% 65+ who own a motor vehicle		84.0%	91.5%
% 60+ who always drive or ride wearing a seatbelt		84.3%	89.6%
# of fatal crashes involving adult age 60+		5	780
HOUSING			
% 65+ population who live alone		29.7%	28.1%
Average household size (all ages)		2.6	2.6
Median house value	*	$58,600	$125,500
% 60+ who own home	*	74.2%	82.7%
% 60+ homeowners who have mortgage	*	18.2%	32.1%
% 65+ households(renter) who spend >35% of income on housing		21.3%	33.5%
% 65+ households(owner) who spend >35% of income on housing		15.1%	15.2%
ECONOMIC			
% 60+ receiving food benefits in last year	*	23.4%	11.4%
% 65+ employed in last year		12.5%	15.6%
% 65+ with income below the poverty line in last year	*	26.7%	12.8%
65+ median household income	*	$26,211	$36,653
% 65+ households with annual income < $20,000	*	39.5%	27.4%
% 65+ households with annual income $20,000-$49,999		34.4%	35.5%
% 65+ households with annual income $50,000-$99,999		20.2%	24.6%
% 65+ households with annual income $100,000+	*	5.8%	12.5%

HEALTHY AGING INDICATORS	RATIO OF COUNTY TO STATE	$ COUNTY ESTIMATE	$ STATE ESTIMATE
Elder Index: COST OF LIVING			
Single, homeowner without mortgage, good health	0.97	$20,136	$20,760
Single, renter, good health	0.93	$22,188	$23,892
Couple, homeowner without mortgage, good health	0.97	$32,328	$33,264
Couple, renter, good health	0.94	$34,380	$36,396

TECHNICAL NOTES

**See our technical report for more information on data sources, measures, and methodology. For most indicators the county and state values are estimates derived from sample data. Thus, it is possible that some of the differences between state and county estimates may be due to chance associated with population sampling. We use the terms "Better" and "Worse" to highlight differences between county and state estimates that we are confident are not due to chance. "Better" is used where a higher/lower value has positive implications for the health of older residents. "Worse" is used where a higher/lower score has negative implications for the health of older people, and when the implication is unclear, we use an *. We balance two goals. First, we aim to report data at very local levels because we believe change is often locally driven. Second, we vowed to protect the privacy of the people providing the information reported. Thus, given the constraints of the data analyzed we used a hierarchical approach to reporting.*

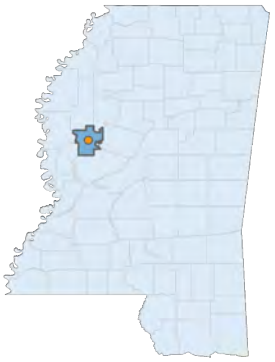
Data Sources:

- *Population Characteristics: The U.S. Census Bureau (American Community Survey 2016-2020) & Robert Wood Johnson Foundation (2020).*
- *COVID-19: Mississippi State Department of Health (MSDH; 2022).*
- *Wellness, Falls, Prevention: The Behavioral Risk Factor Surveillance System (BRFSS; 2013-2020), & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Chronic Disease: The Centers for Medicare and Medicaid Services (CMS) Select Chronic Conditions Database (2018).*
- *Nutrition/Diet, Oral Health: BRFSS (2013-2020) & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Behavioral Health, Mental Health: BRFSS (2013-2020), CMS (2018), & MSDH (2022).*
- *Living with Disability: ACS (2016-2020).*
- *Caregiving: ACS (2016-2020).*
- *Access to Care: BRFSS (2013-2020), CMS (2018), National Adult Day Service Association (June 2022), Community Health Center (Association of Mississippi; June 2022).*
- *Community: Environmental Protection Agency (EPA, 2020), BRFSS (2013-2020), ACS (2016-2020), AARP, & State of Mississippi (May 2022).*
- *Safety & Crime: CDC WONDER (2016-2020).*
- *Transportation: BRFSS (2013-2020), ACS (2016-2020), & Fatality Analysis Reporting System (FARS; 2016-2020).*
- *Housing & Economic: ACS (2016-2020).*
- *Elder Index: Center for Social and Demographic Research on Aging at the University of Massachusetts Boston (2022).*

Acknowledgments: Many people contributed to the MS Healthy Aging Data Report research. The University of Massachusetts Boston Gerontology Institute 2022 research team: Beth Dugan PhD, Nina Silverstein PhD, Chae Man Lee PhD, Taylor Jansen MS, Shu Xu MS, & Yanjhu Su MS. Dr. Kina White from the Mississippi State Department of Health provided important guidance and leadership.

Questions? Beth.Dugan@umb.edu

Humphreys



POPULATION CHARACTERISTICS	County rate is significantly different than State rate	COUNTY ESTIMATE	STATE ESTIMATE
Total population all ages		8,198	2,981,835
Population 60 years or older as % of total population		24.2%	22.3%
Total population 60 years or older		1,985	663,581
Population 65 years or older as % of total population		16.9%	15.9%
Total population 65 years or older		1,382	474,270
% 65-74 years		59.9%	59.7%
% 75-84 years		29.0%	29.4%
% 85 years or older		11.1%	10.1%
% 65+ population who are female		57.8%	56.5%
% 85+ population who are female		80.4%	67.4%
Race and ethnicity of the population 65+			
% White	*	37.9%	70.9%
% African American	*	61.6%	26.9%
% Other race(s)		0.5%	2.2%
% Hispanic/Latino		0.3%	1.0%
Marital status of the population 65+			
% married	*	32.7%	53.1%
% divorced/separated		19.6%	14.5%
% widowed	*	39.9%	27.1%
% never married		7.7%	5.3%
Education of the population 65+			
% with less than high school education		25.0%	20.1%
% with high school or some college		52.7%	58.7%
% with college degree		12.6%	11.8%
% with graduate or professional degree		9.6%	9.4%
% of 65+ population who speak only English at home		99.5%	97.8%
% of 65+ population who are veterans of military service	*	6.7%	15.8%
Life expectancy at birth		74.1	74.6

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COVID-19			
Total COVID-19 cases since March 2020		2,030	797,161
COVID-19 mortality rate per 100,000 people		548.9	417.1
% of county received at least one vaccine dose		67.0%	53.7%
% of county fully vaccinated		59.0%	48.9%
WELLNESS			
% 60+ getting the recommended hours of sleep		50.8%	59.9%
% 60+ doing any physical activity within last month	W	46.3%	61.3%
% 60+ met CDC guidelines for muscle-strengthening activity		13.2%	19.0%
% 60+ met CDC guidelines for aerobic physical activity	W	29.0%	39.8%
% 60+ with fair or poor health status		35.7%	32.5%
% 60+ with 15+ physically unhealthy days in last month		16.9%	18.7%
FALLS			
% 60+ who fell within last year		31.1%	27.8%
% 60+ who were injured in a fall within last year		9.4%	10.6%
PREVENTION			
% 60+ with physical exam/check-up in last year		90.9%	89.0%
% 60+ had flu shot in last year		52.0%	57.6%
% 60+ had pneumonia vaccine	W	40.1%	58.9%
% 60+ had shingles vaccine		20.7%	24.4%
% 60+ women with a mammogram within last 2 years		73.0%	71.0%
% 60+ with colorectal cancer screening		54.0%	57.1%
% 60+ with HIV test		24.7%	20.8%
% 60+ met CDC preventive health screening goals		19.2%	26.2%
CHRONIC DISEASE			
% 65+ with Alzheimer’s disease or related dementias		11.4%	12.9%
% 65+ with arthritis		38.9%	39.8%
% 65+ with asthma		2.8%	3.7%
% 65+ with atrial fibrillation		N/A	8.9%
% 65+ with cancer (breast, colorectal, lung, prostate)		8.1%	8.8%
% 65+ with chronic kidney disease		24.8%	25.3%
% 65+ with chronic obstructive pulmonary disease (COPD)		9.8%	12.6%
% 65+ with diabetes		36.7%	30.7%
% 65+ with high cholesterol		40.6%	48.9%
% 65+ with heart failure		18.4%	16.1%
% 65+ with hypertension		68.1%	67.9%
% 65+ with ischemic heart disease		30.8%	31.9%
% 65+ with osteoporosis		N/A	6.4%
% 65+ with stroke		4.5%	4.4%

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
NUTRITION & DIET			
% 60+ with 5 or more servings of fruits or vegetables per day		11.0%	11.1%
% 60+ self-reported obese		44.4%	36.0%
% 60+ with cholesterol screening		95.8%	94.7%
ORAL HEALTH			
% 60+ with annual dental exam		52.0%	56.3%
# of dentists per 100,000 persons (all ages)		0.0	42.1
% 60+ with loss of 6 or more teeth		60.4%	45.8%
BEHAVIORAL HEALTH			
# of drug overdose deaths (all ages)		0	2,137
% 60+ current smokers		17.0%	13.1%
% 65+ with alcohol abuse disorder		2.0%	1.3%
% 65+ with drug abuse/substance abuse disorder		1.8%	2.6%
MENTAL HEALTH			
% 60+ with 15+ days poor mental health in last month		9.2%	9.8%
% 65+ with depression		6.3%	16.4%
% 65+ with schizophrenia & other psychotic disorder		2.3%	2.2%
LIVING WITH DISABILITY			
% 65+ with self-reported hearing difficulty		18.8%	15.5%
% 65+ with self-reported vision difficulty	*	18.2%	8.7%
% 65+ with self-reported cognition difficulty		7.5%	11.2%
% 65+ with self-reported ambulatory difficulty	*	37.5%	28.0%
% 65+ with self-reported self-care difficulty		15.7%	10.2%
% 65+ with self-reported independent living difficulty		21.8%	17.3%
CAREGIVING			
% of grandparents raising grandchildren		4.1%	2.4%
% of grandparents who live with grandchildren		7.3%	4.7%
ACCESS TO CARE			
% 60+ with a regular doctor		91.8%	92.0%
% 60+ who did not see a doctor when needed due to cost		8.7%	8.6%
# of primary care providers in county		0	3,571
# of rural health care centers in county		1	191
# of hospitals in county		0	101
# of home health agencies in county		1	45
# of nursing homes in county		1	204
# of community health centers in county		0	20
# of adult day health centers in county		0	8
# of hospice agencies in county		1	94

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COMMUNITY			
Particulate matter PM2.5		N/A	9.1
Ozone		N/A	0.361
Air pollution: annual # of unhealthy days for 65+		N/A	N/A
Age-friendly efforts in county		Not yet	Not yet
# of senior centers in county		1	115
% households that have smartphone (all ages)	*	22.7%	15.3%
% households without computer (all ages)		16.9%	13.5%
% households with access to Broadband (all ages)	*	67.8%	75.8%
% households without access to Internet (all ages)	*	32.2%	23.9%
Voter participation rate in 2020 presidential election (age 18+)		60.8%	61.2%
SAFETY & CRIME			
Homicide rate/100,000 persons		0.0	14.1
# firearm fatalities (all ages)		12	3,428
# 60+ deaths by suicide		0	562
TRANSPORTATION			
% 65+ who own a motor vehicle		82.5%	91.5%
% 60+ who always drive or ride wearing a seatbelt		84.3%	89.6%
# of fatal crashes involving adult age 60+		4	780
HOUSING			
% 65+ population who live alone		26.5%	28.1%
Average household size (all ages)		2.5	2.6
Median house value	*	$70,500	$125,500
% 60+ who own home		78.3%	82.7%
% 60+ homeowners who have mortgage		26.6%	32.1%
% 65+ households(renter) who spend >35% of income on housing	*	7.8%	33.5%
% 65+ households(owner) who spend >35% of income on housing		15.7%	15.2%
ECONOMIC			
% 60+ receiving food benefits in last year	*	27.5%	11.4%
% 65+ employed in last year		20.3%	15.6%
% 65+ with income below the poverty line in last year		18.5%	12.8%
65+ median household income		$32,125	$36,653
% 65+ households with annual income < $20,000		26.6%	27.4%
% 65+ households with annual income $20,000-$49,999		39.7%	35.5%
% 65+ households with annual income $50,000-$99,999		17.3%	24.6%
% 65+ households with annual income $100,000+		16.4%	12.5%

HEALTHY AGING INDICATORS	RATIO OF COUNTY TO STATE	$ COUNTY ESTIMATE	$ STATE ESTIMATE
Elder Index: COST OF LIVING			
Single, homeowner without mortgage, good health	1.03	$21,408	$20,760
Single, renter, good health	1.02	$24,288	$23,892
Couple, homeowner without mortgage, good health	1.04	$34,728	$33,264
Couple, renter, good health	1.03	$37,608	$36,396

TECHNICAL NOTES

**See our technical report for more information on data sources, measures, and methodology. For most indicators the county and state values are estimates derived from sample data. Thus, it is possible that some of the differences between state and county estimates may be due to chance associated with population sampling. We use the terms "Better" and "Worse" to highlight differences between county and state estimates that we are confident are not due to chance. "Better" is used where a higher/lower value has positive implications for the health of older residents. "Worse" is used where a higher/lower score has negative implications for the health of older people, and when the implication is unclear, we use an *. We balance two goals. First, we aim to report data at very local levels because we believe change is often locally driven. Second, we vowed to protect the privacy of the people providing the information reported. Thus, given the constraints of the data analyzed we used a hierarchical approach to reporting.*

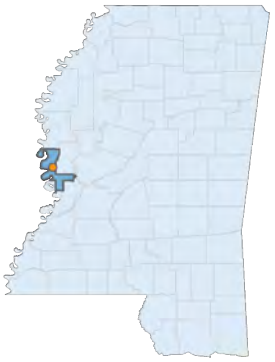
Data Sources:

- *Population Characteristics: The U.S. Census Bureau (American Community Survey 2016-2020) & Robert Wood Johnson Foundation (2020).*
- *COVID-19: Mississippi State Department of Health (MSDH; 2022).*
- *Wellness, Falls, Prevention: The Behavioral Risk Factor Surveillance System (BRFSS; 2013-2020), & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Chronic Disease: The Centers for Medicare and Medicaid Services (CMS) Select Chronic Conditions Database (2018).*
- *Nutrition/Diet, Oral Health: BRFSS (2013-2020) & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Behavioral Health, Mental Health: BRFSS (2013-2020), CMS (2018), & MSDH (2022).*
- *Living with Disability: ACS (2016-2020).*
- *Caregiving: ACS (2016-2020).*
- *Access to Care: BRFSS (2013-2020), CMS (2018), National Adult Day Service Association (June 2022), Community Health Center (Association of Mississippi; June 2022).*
- *Community: Environmental Protection Agency (EPA, 2020), BRFSS (2013-2020), ACS (2016-2020), AARP, & State of Mississippi (May 2022).*
- *Safety & Crime: CDC WONDER (2016-2020).*
- *Transportation: BRFSS (2013-2020), ACS (2016-2020), & Fatality Analysis Reporting System (FARS; 2016-2020).*
- *Housing & Economic: ACS (2016-2020).*
- *Elder Index: Center for Social and Demographic Research on Aging at the University of Massachusetts Boston (2022).*

Acknowledgments: Many people contributed to the MS Healthy Aging Data Report research. The University of Massachusetts Boston Gerontology Institute 2022 research team: Beth Dugan PhD, Nina Silverstein PhD, Chae Man Lee PhD, Taylor Jansen MS, Shu Xu MS, & Yanjhu Su MS. Dr. Kina White from the Mississippi State Department of Health provided important guidance and leadership.

Questions? Beth.Dugan@umb.edu

Issaquena



POPULATION CHARACTERISTICS	County rate is significantly different than State rate	COUNTY ESTIMATE	STATE ESTIMATE
Total population all ages		1,223	2,981,835
Population 60 years or older as % of total population		29.4%	22.3%
Total population 60 years or older		359	663,581
Population 65 years or older as % of total population		22.6%	15.9%
Total population 65 years or older		276	474,270
% 65-74 years		62.0%	59.7%
% 75-84 years		33.3%	29.4%
% 85 years or older		4.7%	10.1%
% 65+ population who are female		41.7%	56.5%
% 85+ population who are female		0.0%	67.4%
Race and ethnicity of the population 65+			
% White		60.5%	70.9%
% African American		39.5%	26.9%
% Other race(s)		0.0%	2.2%
% Hispanic/Latino		0.0%	1.0%
Marital status of the population 65+			
% married		51.4%	53.1%
% divorced/separated		16.3%	14.5%
% widowed		26.4%	27.1%
% never married		5.8%	5.3%
Education of the population 65+			
% with less than high school education		29.0%	20.1%
% with high school or some college		69.6%	58.7%
% with college degree	*	0.0%	11.8%
% with graduate or professional degree	*	1.4%	9.4%
% of 65+ population who speak only English at home		100.0%	97.8%
% of 65+ population who are veterans of military service		5.1%	15.8%
Life expectancy at birth		N/A	74.6

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COVID-19			
Total COVID-19 cases since March 2020		262	797,161
COVID-19 mortality rate per 100,000 people		735.9	417.1
% of county received at least one vaccine dose		36.0%	53.7%
% of county fully vaccinated		35.0%	48.9%
WELLNESS			
% 60+ getting the recommended hours of sleep		63.4%	59.9%
% 60+ doing any physical activity within last month		56.8%	61.3%
% 60+ met CDC guidelines for muscle-strengthening activity		18.0%	19.0%
% 60+ met CDC guidelines for aerobic physical activity		35.9%	39.8%
% 60+ with fair or poor health status		35.6%	32.5%
% 60+ with 15+ physically unhealthy days in last month		20.7%	18.7%
FALLS			
% 60+ who fell within last year	B	17.5%	27.8%
% 60+ who were injured in a fall within last year		10.1%	10.6%
PREVENTION			
% 60+ with physical exam/check-up in last year		90.8%	89.0%
% 60+ had flu shot in last year		60.2%	57.6%
% 60+ had pneumonia vaccine		54.1%	58.9%
% 60+ had shingles vaccine		25.3%	24.4%
% 60+ women with a mammogram within last 2 years		66.0%	71.0%
% 60+ with colorectal cancer screening		59.7%	57.1%
% 60+ with HIV test	*	32.2%	20.8%
% 60+ met CDC preventive health screening goals		23.7%	26.2%
CHRONIC DISEASE			
% 65+ with Alzheimer’s disease or related dementias		N/A	12.9%
% 65+ with arthritis		N/A	39.8%
% 65+ with asthma		N/A	3.7%
% 65+ with atrial fibrillation		N/A	8.9%
% 65+ with cancer (breast, colorectal, lung, prostate)		N/A	8.8%
% 65+ with chronic kidney disease		N/A	25.3%
% 65+ with chronic obstructive pulmonary disease (COPD)		N/A	12.6%
% 65+ with diabetes		N/A	30.7%
% 65+ with high cholesterol		N/A	48.9%
% 65+ with heart failure		N/A	16.1%
% 65+ with hypertension		71.8%	67.9%
% 65+ with ischemic heart disease		N/A	31.9%
% 65+ with osteoporosis		N/A	6.4%
% 65+ with stroke		N/A	4.4%

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
NUTRITION & DIET			
% 60+ with 5 or more servings of fruits or vegetables per day		11.5%	11.1%
% 60+ self-reported obese		36.8%	36.0%
% 60+ with cholesterol screening		96.7%	94.7%
ORAL HEALTH			
% 60+ with annual dental exam		57.6%	56.3%
# of dentists per 100,000 persons (all ages)		0.0	42.1
% 60+ with loss of 6 or more teeth		52.4%	45.8%
BEHAVIORAL HEALTH			
# of drug overdose deaths (all ages)		0	2,137
% 60+ current smokers		14.7%	13.1%
% 65+ with alcohol abuse disorder		N/A	1.3%
% 65+ with drug abuse/substance abuse disorder		N/A	2.6%
MENTAL HEALTH			
% 60+ with 15+ days poor mental health in last month		9.5%	9.8%
% 65+ with depression		N/A	16.4%
% 65+ with schizophrenia & other psychotic disorder		N/A	2.2%
LIVING WITH DISABILITY			
% 65+ with self-reported hearing difficulty		19.4%	15.5%
% 65+ with self-reported vision difficulty		20.6%	8.7%
% 65+ with self-reported cognition difficulty		7.1%	11.2%
% 65+ with self-reported ambulatory difficulty	*	7.1%	28.0%
% 65+ with self-reported self-care difficulty		0.0%	10.2%
% 65+ with self-reported independent living difficulty		15.9%	17.3%
CAREGIVING			
% of grandparents raising grandchildren	*	0.5%	2.4%
% of grandparents who live with grandchildren		2.3%	4.7%
ACCESS TO CARE			
% 60+ with a regular doctor		91.0%	92.0%
% 60+ who did not see a doctor when needed due to cost		7.5%	8.6%
# of primary care providers in county		0	3,571
# of rural health care centers in county		0	191
# of hospitals in county		0	101
# of home health agencies in county		0	45
# of nursing homes in county		0	204
# of community health centers in county		0	20
# of adult day health centers in county		0	8
# of hospice agencies in county		0	94

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COMMUNITY			
Particulate matter PM2.5		N/A	9.1
Ozone		N/A	0.361
Air pollution: annual # of unhealthy days for 65+		N/A	N/A
Age-friendly efforts in county		Not yet	Not yet
# of senior centers in county		0	115
% households that have smartphone (all ages)		15.6%	15.3%
% households without computer (all ages)	*	37.4%	13.5%
% households with access to Broadband (all ages)	*	33.3%	75.8%
% households without access to Internet (all ages)	*	66.7%	23.9%
Voter participation rate in 2020 presidential election (age 18+)		68.3%	61.2%
SAFETY & CRIME			
Homicide rate/100,000 persons		0.0	14.1
# firearm fatalities (all ages)		0	3,428
# 60+ deaths by suicide		0	562
TRANSPORTATION			
% 65+ who own a motor vehicle		93.0%	91.5%
% 60+ who always drive or ride wearing a seatbelt		90.2%	89.6%
# of fatal crashes involving adult age 60+		1	780
HOUSING			
% 65+ population who live alone		37.3%	28.1%
Average household size (all ages)	*	2.0	2.6
Median house value	*	$87,500	$125,500
% 60+ who own home		66.0%	82.7%
% 60+ homeowners who have mortgage	*	4.5%	32.1%
% 65+ households(renter) who spend >35% of income on housing		17.5%	33.5%
% 65+ households(owner) who spend >35% of income on housing		38.7%	15.2%
ECONOMIC			
% 60+ receiving food benefits in last year		13.5%	11.4%
% 65+ employed in last year		4.0%	15.6%
% 65+ with income below the poverty line in last year		10.3%	12.8%
65+ median household income	*	N/A	$36,653
% 65+ households with annual income < $20,000		46.5%	27.4%
% 65+ households with annual income $20,000-$49,999	*	7.0%	35.5%
% 65+ households with annual income $50,000-$99,999		41.5%	24.6%
% 65+ households with annual income $100,000+		5.0%	12.5%

HEALTHY AGING INDICATORS	RATIO OF COUNTY TO STATE	$ COUNTY ESTIMATE	$ STATE ESTIMATE
Elder Index: COST OF LIVING			
Single, homeowner without mortgage, good health	1.03	$21,408	$20,760
Single, renter, good health	0.99	$23,652	$23,892
Couple, homeowner without mortgage, good health	1.04	$34,728	$33,264
Couple, renter, good health	1.02	$36,972	$36,396

TECHNICAL NOTES

**See our technical report for more information on data sources, measures, and methodology. For most indicators the county and state values are estimates derived from sample data. Thus, it is possible that some of the differences between state and county estimates may be due to chance associated with population sampling. We use the terms "Better" and "Worse" to highlight differences between county and state estimates that we are confident are not due to chance. "Better" is used where a higher/lower value has positive implications for the health of older residents. "Worse" is used where a higher/lower score has negative implications for the health of older people, and when the implication is unclear, we use an *. We balance two goals. First, we aim to report data at very local levels because we believe change is often locally driven. Second, we vowed to protect the privacy of the people providing the information reported. Thus, given the constraints of the data analyzed we used a hierarchical approach to reporting.*

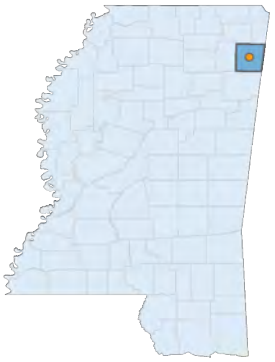
Data Sources:

- *Population Characteristics: The U.S. Census Bureau (American Community Survey 2016-2020) & Robert Wood Johnson Foundation (2020).*
- *COVID-19: Mississippi State Department of Health (MSDH; 2022).*
- *Wellness, Falls, Prevention: The Behavioral Risk Factor Surveillance System (BRFSS; 2013-2020), & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Chronic Disease: The Centers for Medicare and Medicaid Services (CMS) Select Chronic Conditions Database (2018).*
- *Nutrition/Diet, Oral Health: BRFSS (2013-2020) & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Behavioral Health, Mental Health: BRFSS (2013-2020), CMS (2018), & MSDH (2022).*
- *Living with Disability: ACS (2016-2020).*
- *Caregiving: ACS (2016-2020).*
- *Access to Care: BRFSS (2013-2020), CMS (2018), National Adult Day Service Association (June 2022), Community Health Center (Association of Mississippi; June 2022).*
- *Community: Environmental Protection Agency (EPA, 2020), BRFSS (2013-2020), ACS (2016-2020), AARP, & State of Mississippi (May 2022).*
- *Safety & Crime: CDC WONDER (2016-2020).*
- *Transportation: BRFSS (2013-2020), ACS (2016-2020), & Fatality Analysis Reporting System (FARS; 2016-2020).*
- *Housing & Economic: ACS (2016-2020).*
- *Elder Index: Center for Social and Demographic Research on Aging at the University of Massachusetts Boston (2022).*

Acknowledgments: Many people contributed to the MS Healthy Aging Data Report research. The University of Massachusetts Boston Gerontology Institute 2022 research team: Beth Dugan PhD, Nina Silverstein PhD, Chae Man Lee PhD, Taylor Jansen MS, Shu Xu MS, & Yanjhu Su MS. Dr. Kina White from the Mississippi State Department of Health provided important guidance and leadership.

Questions? Beth.Dugan@umb.edu

Itawamba



POPULATION CHARACTERISTICS	County rate is significantly different than State rate	COUNTY ESTIMATE	STATE ESTIMATE
Total population all ages		23,396	2,981,835
Population 60 years or older as % of total population		23.0%	22.3%
Total population 60 years or older		5,372	663,581
Population 65 years or older as % of total population		17.6%	15.9%
Total population 65 years or older		4,122	474,270
% 65-74 years		56.7%	59.7%
% 75-84 years		30.5%	29.4%
% 85 years or older		12.8%	10.1%
% 65+ population who are female		55.5%	56.5%
% 85+ population who are female		49.0%	67.4%
Race and ethnicity of the population 65+			
% White	*	94.5%	70.9%
% African American	*	4.9%	26.9%
% Other race(s)		0.6%	2.2%
% Hispanic/Latino		0.6%	1.0%
Marital status of the population 65+			
% married	*	59.6%	53.1%
% divorced/separated		11.4%	14.5%
% widowed		25.0%	27.1%
% never married		4.0%	5.3%
Education of the population 65+			
% with less than high school education		25.3%	20.1%
% with high school or some college		59.8%	58.7%
% with college degree	*	7.2%	11.8%
% with graduate or professional degree		7.7%	9.4%
% of 65+ population who speak only English at home		98.4%	97.8%
% of 65+ population who are veterans of military service		14.5%	15.8%
Life expectancy at birth		74.9	74.6

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COVID-19			
Total COVID-19 cases since March 2020		7,420	797,161
COVID-19 mortality rate per 100,000 people		615.5	417.1
% of county received at least one vaccine dose		38.0%	53.7%
% of county fully vaccinated		35.0%	48.9%
WELLNESS			
% 60+ getting the recommended hours of sleep		62.7%	59.9%
% 60+ doing any physical activity within last month		62.7%	61.3%
% 60+ met CDC guidelines for muscle-strengthening activity		19.7%	19.0%
% 60+ met CDC guidelines for aerobic physical activity		38.2%	39.8%
% 60+ with fair or poor health status		35.0%	32.5%
% 60+ with 15+ physically unhealthy days in last month		20.4%	18.7%
FALLS			
% 60+ who fell within last year		30.5%	27.8%
% 60+ who were injured in a fall within last year		12.2%	10.6%
PREVENTION			
% 60+ with physical exam/check-up in last year		89.0%	89.0%
% 60+ had flu shot in last year	B	65.3%	57.6%
% 60+ had pneumonia vaccine		59.6%	58.9%
% 60+ had shingles vaccine		22.3%	24.4%
% 60+ women with a mammogram within last 2 years		68.8%	71.0%
% 60+ with colorectal cancer screening		56.3%	57.1%
% 60+ with HIV test		16.6%	20.8%
% 60+ met CDC preventive health screening goals		27.0%	26.2%
CHRONIC DISEASE			
% 65+ with Alzheimer’s disease or related dementias		13.0%	12.9%
% 65+ with arthritis		40.8%	39.8%
% 65+ with asthma		3.5%	3.7%
% 65+ with atrial fibrillation		9.2%	8.9%
% 65+ with cancer (breast, colorectal, lung, prostate)		8.9%	8.8%
% 65+ with chronic kidney disease		32.3%	25.3%
% 65+ with chronic obstructive pulmonary disease (COPD)		14.7%	12.6%
% 65+ with diabetes		31.5%	30.7%
% 65+ with high cholesterol		54.2%	48.9%
% 65+ with heart failure		14.1%	16.1%
% 65+ with hypertension		67.7%	67.9%
% 65+ with ischemic heart disease		34.1%	31.9%
% 65+ with osteoporosis		6.6%	6.4%
% 65+ with stroke		3.7%	4.4%

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
NUTRITION & DIET			
% 60+ with 5 or more servings of fruits or vegetables per day		10.5%	11.1%
% 60+ self-reported obese		34.4%	36.0%
% 60+ with cholesterol screening		96.8%	94.7%
ORAL HEALTH			
% 60+ with annual dental exam		53.4%	56.3%
# of dentists per 100,000 persons (all ages)		17.2	42.1
% 60+ with loss of 6 or more teeth		46.3%	45.8%
BEHAVIORAL HEALTH			
# of drug overdose deaths (all ages)		0	2,137
% 60+ current smokers		13.5%	13.1%
% 65+ with alcohol abuse disorder		1.1%	1.3%
% 65+ with drug abuse/substance abuse disorder		2.4%	2.6%
MENTAL HEALTH			
% 60+ with 15+ days poor mental health in last month		9.8%	9.8%
% 65+ with depression		20.9%	16.4%
% 65+ with schizophrenia & other psychotic disorder		1.8%	2.2%
LIVING WITH DISABILITY			
% 65+ with self-reported hearing difficulty		15.0%	15.5%
% 65+ with self-reported vision difficulty		10.0%	8.7%
% 65+ with self-reported cognition difficulty	*	4.9%	11.2%
% 65+ with self-reported ambulatory difficulty		23.9%	28.0%
% 65+ with self-reported self-care difficulty		8.2%	10.2%
% 65+ with self-reported independent living difficulty		13.6%	17.3%
CAREGIVING			
% of grandparents raising grandchildren		2.7%	2.4%
% of grandparents who live with grandchildren		4.0%	4.7%
ACCESS TO CARE			
% 60+ with a regular doctor		92.0%	92.0%
% 60+ who did not see a doctor when needed due to cost		9.9%	8.6%
# of primary care providers in county		12	3,571
# of rural health care centers in county		0	191
# of hospitals in county		0	101
# of home health agencies in county		0	45
# of nursing homes in county		2	204
# of community health centers in county		1	20
# of adult day health centers in county		0	8
# of hospice agencies in county		0	94

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COMMUNITY			
Particulate matter PM2.5		N/A	9.1
Ozone		N/A	0.361
Air pollution: annual # of unhealthy days for 65+		N/A	N/A
Age-friendly efforts in county		Not yet	Not yet
# of senior centers in county		3	115
% households that have smartphone (all ages)	*	20.6%	15.3%
% households without computer (all ages)		15.0%	13.5%
% households with access to Broadband (all ages)		74.5%	75.8%
% households without access to Internet (all ages)		25.0%	23.9%
Voter participation rate in 2020 presidential election (age 18+)		65.2%	61.2%
SAFETY & CRIME			
Homicide rate/100,000 persons		0.0	14.1
# firearm fatalities (all ages)		18	3,428
# 60+ deaths by suicide		0	562
TRANSPORTATION			
% 65+ who own a motor vehicle		95.2%	91.5%
% 60+ who always drive or ride wearing a seatbelt		87.1%	89.6%
# of fatal crashes involving adult age 60+		10	780
HOUSING			
% 65+ population who live alone	*	21.3%	28.1%
Average household size (all ages)		2.6	2.6
Median house value	*	$90,700	$125,500
% 60+ who own home	*	89.6%	82.7%
% 60+ homeowners who have mortgage		26.6%	32.1%
% 65+ households(renter) who spend >35% of income on housing		18.0%	33.5%
% 65+ households(owner) who spend >35% of income on housing		11.5%	15.2%
ECONOMIC			
% 60+ receiving food benefits in last year		7.1%	11.4%
% 65+ employed in last year		15.5%	15.6%
% 65+ with income below the poverty line in last year		8.8%	12.8%
65+ median household income		$36,259	$36,653
% 65+ households with annual income < $20,000		24.3%	27.4%
% 65+ households with annual income $20,000-$49,999		38.6%	35.5%
% 65+ households with annual income $50,000-$99,999		24.5%	24.6%
% 65+ households with annual income $100,000+		12.6%	12.5%

HEALTHY AGING INDICATORS	RATIO OF COUNTY TO STATE	$ COUNTY ESTIMATE	$ STATE ESTIMATE
Elder Index: COST OF LIVING			
Single, homeowner without mortgage, good health	1.04	$21,528	$20,760
Single, renter, good health	1.01	$24,084	$23,892
Couple, homeowner without mortgage, good health	1.05	$34,848	$33,264
Couple, renter, good health	1.03	$37,404	$36,396

TECHNICAL NOTES

**See our technical report for more information on data sources, measures, and methodology. For most indicators the county and state values are estimates derived from sample data. Thus, it is possible that some of the differences between state and county estimates may be due to chance associated with population sampling. We use the terms "Better" and "Worse" to highlight differences between county and state estimates that we are confident are not due to chance. "Better" is used where a higher/lower value has positive implications for the health of older residents. "Worse" is used where a higher/lower score has negative implications for the health of older people, and when the implication is unclear, we use an *. We balance two goals. First, we aim to report data at very local levels because we believe change is often locally driven. Second, we vowed to protect the privacy of the people providing the information reported. Thus, given the constraints of the data analyzed we used a hierarchical approach to reporting.*

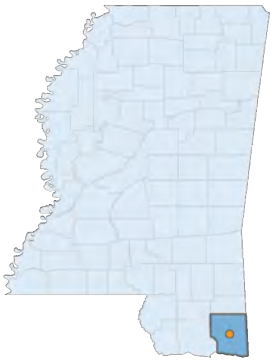
Data Sources:

- *Population Characteristics: The U.S. Census Bureau (American Community Survey 2016-2020) & Robert Wood Johnson Foundation (2020).*
- *COVID-19: Mississippi State Department of Health (MSDH; 2022).*
- *Wellness, Falls, Prevention: The Behavioral Risk Factor Surveillance System (BRFSS; 2013-2020), & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Chronic Disease: The Centers for Medicare and Medicaid Services (CMS) Select Chronic Conditions Database (2018).*
- *Nutrition/Diet, Oral Health: BRFSS (2013-2020) & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Behavioral Health, Mental Health: BRFSS (2013-2020), CMS (2018), & MSDH (2022).*
- *Living with Disability: ACS (2016-2020).*
- *Caregiving: ACS (2016-2020).*
- *Access to Care: BRFSS (2013-2020), CMS (2018), National Adult Day Service Association (June 2022), Community Health Center (Association of Mississippi; June 2022).*
- *Community: Environmental Protection Agency (EPA, 2020), BRFSS (2013-2020), ACS (2016-2020), AARP, & State of Mississippi (May 2022).*
- *Safety & Crime: CDC WONDER (2016-2020).*
- *Transportation: BRFSS (2013-2020), ACS (2016-2020), & Fatality Analysis Reporting System (FARS; 2016-2020).*
- *Housing & Economic: ACS (2016-2020).*
- *Elder Index: Center for Social and Demographic Research on Aging at the University of Massachusetts Boston (2022).*

Acknowledgments: Many people contributed to the MS Healthy Aging Data Report research. The University of Massachusetts Boston Gerontology Institute 2022 research team: Beth Dugan PhD, Nina Silverstein PhD, Chae Man Lee PhD, Taylor Jansen MS, Shu Xu MS, & Yanjhu Su MS. Dr. Kina White from the Mississippi State Department of Health provided important guidance and leadership.

Questions? Beth.Dugan@umb.edu

Jackson



POPULATION CHARACTERISTICS	County rate is significantly different than State rate	COUNTY ESTIMATE	STATE ESTIMATE
Total population all ages		142,872	2,981,835
Population 60 years or older as % of total population		22.1%	22.3%
Total population 60 years or older		31,553	663,581
Population 65 years or older as % of total population		16.1%	15.9%
Total population 65 years or older		22,975	474,270
% 65-74 years		59.9%	59.7%
% 75-84 years		29.7%	29.4%
% 85 years or older		10.3%	10.1%
% 65+ population who are female		53.8%	56.5%
% 85+ population who are female		64.9%	67.4%
Race and ethnicity of the population 65+			
% White	*	79.8%	70.9%
% African American	*	15.1%	26.9%
% Other race(s)	*	5.1%	2.2%
% Hispanic/Latino	*	2.8%	1.0%
Marital status of the population 65+			
% married	*	48.9%	53.1%
% divorced/separated		14.5%	14.5%
% widowed	*	31.8%	27.1%
% never married		4.9%	5.3%
Education of the population 65+			
% with less than high school education	*	14.6%	20.1%
% with high school or some college	*	65.1%	58.7%
% with college degree		13.5%	11.8%
% with graduate or professional degree	*	6.9%	9.4%
% of 65+ population who speak only English at home		95.3%	97.8%
% of 65+ population who are veterans of military service	*	21.1%	15.8%
Life expectancy at birth		76.3	74.6

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COVID-19			
Total COVID-19 cases since March 2020		36,957	797,161
COVID-19 mortality rate per 100,000 people		324.1	417.1
% of county received at least one vaccine dose		51.0%	53.7%
% of county fully vaccinated		45.0%	48.9%
WELLNESS			
% 60+ getting the recommended hours of sleep		62.4%	59.9%
% 60+ doing any physical activity within last month	B	69.7%	61.3%
% 60+ met CDC guidelines for muscle-strengthening activity		23.8%	19.0%
% 60+ met CDC guidelines for aerobic physical activity	B	47.5%	39.8%
% 60+ with fair or poor health status		26.2%	32.5%
% 60+ with 15+ physically unhealthy days in last month		18.1%	18.7%
FALLS			
% 60+ who fell within last year		27.0%	27.8%
% 60+ who were injured in a fall within last year		11.5%	10.6%
PREVENTION			
% 60+ with physical exam/check-up in last year		88.4%	89.0%
% 60+ had flu shot in last year		54.2%	57.6%
% 60+ had pneumonia vaccine		62.3%	58.9%
% 60+ had shingles vaccine		29.1%	24.4%
% 60+ women with a mammogram within last 2 years		70.2%	71.0%
% 60+ with colorectal cancer screening	B	64.9%	57.1%
% 60+ with HIV test		19.0%	20.8%
% 60+ met CDC preventive health screening goals		30.0%	26.2%
CHRONIC DISEASE			
% 65+ with Alzheimer’s disease or related dementias		10.8%	12.9%
% 65+ with arthritis		36.4%	39.8%
% 65+ with asthma		3.4%	3.7%
% 65+ with atrial fibrillation		9.6%	8.9%
% 65+ with cancer (breast, colorectal, lung, prostate)		9.0%	8.8%
% 65+ with chronic kidney disease		28.9%	25.3%
% 65+ with chronic obstructive pulmonary disease (COPD)		12.7%	12.6%
% 65+ with diabetes		29.7%	30.7%
% 65+ with high cholesterol		55.3%	48.9%
% 65+ with heart failure		14.6%	16.1%
% 65+ with hypertension		66.3%	67.9%
% 65+ with ischemic heart disease		31.4%	31.9%
% 65+ with osteoporosis		6.5%	6.4%
% 65+ with stroke		3.7%	4.4%

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
NUTRITION & DIET			
% 60+ with 5 or more servings of fruits or vegetables per day		13.2%	11.1%
% 60+ self-reported obese		36.3%	36.0%
% 60+ with cholesterol screening	B	97.4%	94.7%
ORAL HEALTH			
% 60+ with annual dental exam		62.8%	56.3%
# of dentists per 100,000 persons (all ages)		38.3	42.1
% 60+ with loss of 6 or more teeth	B	37.7%	45.8%
BEHAVIORAL HEALTH			
# of drug overdose deaths (all ages)		185	2,137
% 60+ current smokers		14.4%	13.1%
% 65+ with alcohol abuse disorder		1.4%	1.3%
% 65+ with drug abuse/substance abuse disorder		3.1%	2.6%
MENTAL HEALTH			
% 60+ with 15+ days poor mental health in last month		11.3%	9.8%
% 65+ with depression		16.5%	16.4%
% 65+ with schizophrenia & other psychotic disorder		1.4%	2.2%
LIVING WITH DISABILITY			
% 65+ with self-reported hearing difficulty	*	19.2%	15.5%
% 65+ with self-reported vision difficulty		7.1%	8.7%
% 65+ with self-reported cognition difficulty		13.2%	11.2%
% 65+ with self-reported ambulatory difficulty		28.6%	28.0%
% 65+ with self-reported self-care difficulty		9.9%	10.2%
% 65+ with self-reported independent living difficulty		17.2%	17.3%
CAREGIVING			
% of grandparents raising grandchildren		2.3%	2.4%
% of grandparents who live with grandchildren		5.2%	4.7%
ACCESS TO CARE			
% 60+ with a regular doctor		91.2%	92.0%
% 60+ who did not see a doctor when needed due to cost		8.6%	8.6%
# of primary care providers in county		86	3,571
# of rural health care centers in county		2	191
# of hospitals in county		1	101
# of home health agencies in county		0	45
# of nursing homes in county		6	204
# of community health centers in county		0	20
# of adult day health centers in county		0	8
# of hospice agencies in county		2	94

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COMMUNITY			
Particulate matter PM2.5		8.7	9.1
Ozone		0.039	0.361
Air pollution: annual # of unhealthy days for 65+		0	N/A
Age-friendly efforts in county		Not yet	Not yet
# of senior centers in county		2	115
% households that have smartphone (all ages)	*	11.6%	15.3%
% households without computer (all ages)	*	8.7%	13.5%
% households with access to Broadband (all ages)	*	82.6%	75.8%
% households without access to Internet (all ages)	*	17.1%	23.9%
Voter participation rate in 2020 presidential election (age 18+)		55.9%	61.2%
SAFETY & CRIME			
Homicide rate/100,000 persons		7.3	14.1
# firearm fatalities (all ages)		108	3,428
# 60+ deaths by suicide		22	562
TRANSPORTATION			
% 65+ who own a motor vehicle		93.1%	91.5%
% 60+ who always drive or ride wearing a seatbelt	B	96.1%	89.6%
# of fatal crashes involving adult age 60+		26	780
HOUSING			
% 65+ population who live alone	*	32.3%	28.1%
Average household size (all ages)		2.6	2.6
Median house value	*	$143,000	$125,500
% 60+ who own home	*	86.6%	82.7%
% 60+ homeowners who have mortgage		33.5%	32.1%
% 65+ households(renter) who spend >35% of income on housing		42.8%	33.5%
% 65+ households(owner) who spend >35% of income on housing		15.6%	15.2%
ECONOMIC			
% 60+ receiving food benefits in last year	*	6.1%	11.4%
% 65+ employed in last year	*	12.6%	15.6%
% 65+ with income below the poverty line in last year	*	8.7%	12.8%
65+ median household income	*	$42,012	$36,653
% 65+ households with annual income < $20,000		22.5%	27.4%
% 65+ households with annual income $20,000-$49,999		35.7%	35.5%
% 65+ households with annual income $50,000-$99,999		29.7%	24.6%
% 65+ households with annual income $100,000+		12.1%	12.5%

HEALTHY AGING INDICATORS	RATIO OF COUNTY TO STATE	$ COUNTY ESTIMATE	$ STATE ESTIMATE
Elder Index: COST OF LIVING			
Single, homeowner without mortgage, good health	0.94	$19,608	$20,760
Single, renter, good health	0.96	$23,028	$23,892
Couple, homeowner without mortgage, good health	0.93	$30,840	$33,264
Couple, renter, good health	0.94	$34,260	$36,396

TECHNICAL NOTES

**See our technical report for more information on data sources, measures, and methodology. For most indicators the county and state values are estimates derived from sample data. Thus, it is possible that some of the differences between state and county estimates may be due to chance associated with population sampling. We use the terms "Better" and "Worse" to highlight differences between county and state estimates that we are confident are not due to chance. "Better" is used where a higher/lower value has positive implications for the health of older residents. "Worse" is used where a higher/lower score has negative implications for the health of older people, and when the implication is unclear, we use an *. We balance two goals. First, we aim to report data at very local levels because we believe change is often locally driven. Second, we vowed to protect the privacy of the people providing the information reported. Thus, given the constraints of the data analyzed we used a hierarchical approach to reporting.*

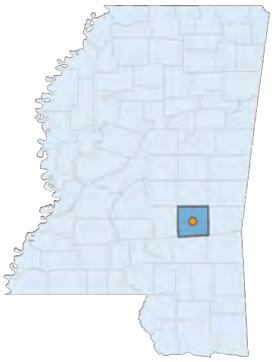
Data Sources:

- *Population Characteristics: The U.S. Census Bureau (American Community Survey 2016-2020) & Robert Wood Johnson Foundation (2020).*
- *COVID-19: Mississippi State Department of Health (MSDH; 2022).*
- *Wellness, Falls, Prevention: The Behavioral Risk Factor Surveillance System (BRFSS; 2013-2020), & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Chronic Disease: The Centers for Medicare and Medicaid Services (CMS) Select Chronic Conditions Database (2018).*
- *Nutrition/Diet, Oral Health: BRFSS (2013-2020) & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Behavioral Health, Mental Health: BRFSS (2013-2020), CMS (2018), & MSDH (2022).*
- *Living with Disability: ACS (2016-2020).*
- *Caregiving: ACS (2016-2020).*
- *Access to Care: BRFSS (2013-2020), CMS (2018), National Adult Day Service Association (June 2022), Community Health Center (Association of Mississippi; June 2022).*
- *Community: Environmental Protection Agency (EPA, 2020), BRFSS (2013-2020), ACS (2016-2020), AARP, & State of Mississippi (May 2022).*
- *Safety & Crime: CDC WONDER (2016-2020).*
- *Transportation: BRFSS (2013-2020), ACS (2016-2020), & Fatality Analysis Reporting System (FARS; 2016-2020).*
- *Housing & Economic: ACS (2016-2020).*
- *Elder Index: Center for Social and Demographic Research on Aging at the University of Massachusetts Boston (2022).*

Acknowledgments: Many people contributed to the MS Healthy Aging Data Report research. The University of Massachusetts Boston Gerontology Institute 2022 research team: Beth Dugan PhD, Nina Silverstein PhD, Chae Man Lee PhD, Taylor Jansen MS, Shu Xu MS, & Yanjhu Su MS. Dr. Kina White from the Mississippi State Department of Health provided important guidance and leadership.

Questions? Beth.Dugan@umb.edu

Jasper



POPULATION CHARACTERISTICS	County rate is significantly different than State rate	COUNTY ESTIMATE	STATE ESTIMATE
Total population all ages		16,454	2,981,835
Population 60 years or older as % of total population		28.4%	22.3%
Total population 60 years or older		4,672	663,581
Population 65 years or older as % of total population		20.1%	15.9%
Total population 65 years or older		3,304	474,270
% 65-74 years		56.8%	59.7%
% 75-84 years		34.0%	29.4%
% 85 years or older		9.1%	10.1%
% 65+ population who are female		54.6%	56.5%
% 85+ population who are female		60.5%	67.4%
Race and ethnicity of the population 65+			
% White	*	57.1%	70.9%
% African American	*	41.4%	26.9%
% Other race(s)		1.5%	2.2%
% Hispanic/Latino		0.4%	1.0%
Marital status of the population 65+			
% married		57.7%	53.1%
% divorced/separated		13.6%	14.5%
% widowed		26.1%	27.1%
% never married	*	2.5%	5.3%
Education of the population 65+			
% with less than high school education		15.3%	20.1%
% with high school or some college	*	68.0%	58.7%
% with college degree		12.3%	11.8%
% with graduate or professional degree	*	4.3%	9.4%
% of 65+ population who speak only English at home		99.0%	97.8%
% of 65+ population who are veterans of military service		12.3%	15.8%
Life expectancy at birth		75.3	74.6

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COVID-19			
Total COVID-19 cases since March 2020		4,894	797,161
COVID-19 mortality rate per 100,000 people		455.8	417.1
% of county received at least one vaccine dose		56.0%	53.7%
% of county fully vaccinated		52.0%	48.9%
WELLNESS			
% 60+ getting the recommended hours of sleep		62.7%	59.9%
% 60+ doing any physical activity within last month		61.0%	61.3%
% 60+ met CDC guidelines for muscle-strengthening activity		17.2%	19.0%
% 60+ met CDC guidelines for aerobic physical activity	W	29.2%	39.8%
% 60+ with fair or poor health status		37.5%	32.5%
% 60+ with 15+ physically unhealthy days in last month		18.2%	18.7%
FALLS			
% 60+ who fell within last year		30.0%	27.8%
% 60+ who were injured in a fall within last year		9.0%	10.6%
PREVENTION			
% 60+ with physical exam/check-up in last year		86.0%	89.0%
% 60+ had flu shot in last year		52.2%	57.6%
% 60+ had pneumonia vaccine		57.9%	58.9%
% 60+ had shingles vaccine		25.3%	24.4%
% 60+ women with a mammogram within last 2 years		58.8%	71.0%
% 60+ with colorectal cancer screening		57.4%	57.1%
% 60+ with HIV test	*	12.6%	20.8%
% 60+ met CDC preventive health screening goals		20.7%	26.2%
CHRONIC DISEASE			
% 65+ with Alzheimer’s disease or related dementias		14.3%	12.9%
% 65+ with arthritis		45.3%	39.8%
% 65+ with asthma		4.6%	3.7%
% 65+ with atrial fibrillation		8.5%	8.9%
% 65+ with cancer (breast, colorectal, lung, prostate)		9.7%	8.8%
% 65+ with chronic kidney disease		27.8%	25.3%
% 65+ with chronic obstructive pulmonary disease (COPD)		11.0%	12.6%
% 65+ with diabetes		36.4%	30.7%
% 65+ with high cholesterol		52.8%	48.9%
% 65+ with heart failure		15.6%	16.1%
% 65+ with hypertension		74.9%	67.9%
% 65+ with ischemic heart disease		32.6%	31.9%
% 65+ with osteoporosis		5.1%	6.4%
% 65+ with stroke		4.8%	4.4%

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
NUTRITION & DIET			
% 60+ with 5 or more servings of fruits or vegetables per day		11.8%	11.1%
% 60+ self-reported obese		41.9%	36.0%
% 60+ with cholesterol screening		91.9%	94.7%
ORAL HEALTH			
% 60+ with annual dental exam		48.9%	56.3%
# of dentists per 100,000 persons (all ages)		12.3	42.1
% 60+ with loss of 6 or more teeth		51.4%	45.8%
BEHAVIORAL HEALTH			
# of drug overdose deaths (all ages)		0	2,137
% 60+ current smokers		14.7%	13.1%
% 65+ with alcohol abuse disorder		0.9%	1.3%
% 65+ with drug abuse/substance abuse disorder		3.5%	2.6%
MENTAL HEALTH			
% 60+ with 15+ days poor mental health in last month		9.2%	9.8%
% 65+ with depression		16.9%	16.4%
% 65+ with schizophrenia & other psychotic disorder		2.1%	2.2%
LIVING WITH DISABILITY			
% 65+ with self-reported hearing difficulty		18.3%	15.5%
% 65+ with self-reported vision difficulty		16.0%	8.7%
% 65+ with self-reported cognition difficulty		14.0%	11.2%
% 65+ with self-reported ambulatory difficulty	*	36.9%	28.0%
% 65+ with self-reported self-care difficulty		14.4%	10.2%
% 65+ with self-reported independent living difficulty		20.9%	17.3%
CAREGIVING			
% of grandparents raising grandchildren	*	4.1%	2.4%
% of grandparents who live with grandchildren	*	6.2%	4.7%
ACCESS TO CARE			
% 60+ with a regular doctor		94.4%	92.0%
% 60+ who did not see a doctor when needed due to cost		8.5%	8.6%
# of primary care providers in county		3	3,571
# of rural health care centers in county		0	191
# of hospitals in county		1	101
# of home health agencies in county		1	45
# of nursing homes in county		1	204
# of community health centers in county		0	20
# of adult day health centers in county		0	8
# of hospice agencies in county		0	94

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COMMUNITY			
Particulate matter PM2.5		N/A	9.1
Ozone		N/A	0.361
Air pollution: annual # of unhealthy days for 65+		N/A	N/A
Age-friendly efforts in county		Not yet	Not yet
# of senior centers in county		0	115
% households that have smartphone (all ages)	*	22.8%	15.3%
% households without computer (all ages)	*	22.1%	13.5%
% households with access to Broadband (all ages)	*	49.5%	75.8%
% households without access to Internet (all ages)	*	48.6%	23.9%
Voter participation rate in 2020 presidential election (age 18+)		71.4%	61.2%
SAFETY & CRIME			
Homicide rate/100,000 persons		0.0	14.1
# firearm fatalities (all ages)		16	3,428
# 60+ deaths by suicide		0	562
TRANSPORTATION			
% 65+ who own a motor vehicle		91.5%	91.5%
% 60+ who always drive or ride wearing a seatbelt		84.3%	89.6%
# of fatal crashes involving adult age 60+		11	780
HOUSING			
% 65+ population who live alone		21.7%	28.1%
Average household size (all ages)		2.5	2.6
Median house value	*	$89,300	$125,500
% 60+ who own home	*	92.2%	82.7%
% 60+ homeowners who have mortgage	*	18.8%	32.1%
% 65+ households(renter) who spend >35% of income on housing	*	14.7%	33.5%
% 65+ households(owner) who spend >35% of income on housing		18.9%	15.2%
ECONOMIC			
% 60+ receiving food benefits in last year		15.3%	11.4%
% 65+ employed in last year		12.3%	15.6%
% 65+ with income below the poverty line in last year		11.1%	12.8%
65+ median household income		$30,169	$36,653
% 65+ households with annual income < $20,000		28.7%	27.4%
% 65+ households with annual income $20,000-$49,999		44.0%	35.5%
% 65+ households with annual income $50,000-$99,999		22.2%	24.6%
% 65+ households with annual income $100,000+	*	5.1%	12.5%

HEALTHY AGING INDICATORS	RATIO OF COUNTY TO STATE	$ COUNTY ESTIMATE	$ STATE ESTIMATE
Elder Index: COST OF LIVING			
Single, homeowner without mortgage, good health	1.00	$20,676	$20,760
Single, renter, good health	0.98	$23,520	$23,892
Couple, homeowner without mortgage, good health	0.99	$33,036	$33,264
Couple, renter, good health	0.99	$35,880	$36,396

TECHNICAL NOTES

**See our technical report for more information on data sources, measures, and methodology. For most indicators the county and state values are estimates derived from sample data. Thus, it is possible that some of the differences between state and county estimates may be due to chance associated with population sampling. We use the terms "Better" and "Worse" to highlight differences between county and state estimates that we are confident are not due to chance. "Better" is used where a higher/lower value has positive implications for the health of older residents. "Worse" is used where a higher/lower score has negative implications for the health of older people, and when the implication is unclear, we use an *. We balance two goals. First, we aim to report data at very local levels because we believe change is often locally driven. Second, we vowed to protect the privacy of the people providing the information reported. Thus, given the constraints of the data analyzed we used a hierarchical approach to reporting.*

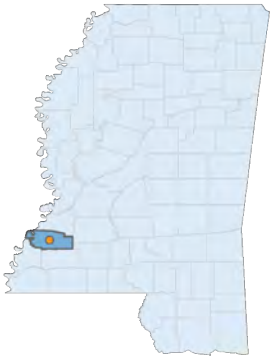
Data Sources:

- *Population Characteristics: The U.S. Census Bureau (American Community Survey 2016-2020) & Robert Wood Johnson Foundation (2020).*
- *COVID-19: Mississippi State Department of Health (MSDH; 2022).*
- *Wellness, Falls, Prevention: The Behavioral Risk Factor Surveillance System (BRFSS; 2013-2020), & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Chronic Disease: The Centers for Medicare and Medicaid Services (CMS) Select Chronic Conditions Database (2018).*
- *Nutrition/Diet, Oral Health: BRFSS (2013-2020) & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Behavioral Health, Mental Health: BRFSS (2013-2020), CMS (2018), & MSDH (2022).*
- *Living with Disability: ACS (2016-2020).*
- *Caregiving: ACS (2016-2020).*
- *Access to Care: BRFSS (2013-2020), CMS (2018), National Adult Day Service Association (June 2022), Community Health Center (Association of Mississippi; June 2022).*
- *Community: Environmental Protection Agency (EPA, 2020), BRFSS (2013-2020), ACS (2016-2020), AARP, & State of Mississippi (May 2022).*
- *Safety & Crime: CDC WONDER (2016-2020).*
- *Transportation: BRFSS (2013-2020), ACS (2016-2020), & Fatality Analysis Reporting System (FARS; 2016-2020).*
- *Housing & Economic: ACS (2016-2020).*
- *Elder Index: Center for Social and Demographic Research on Aging at the University of Massachusetts Boston (2022).*

Acknowledgments: Many people contributed to the MS Healthy Aging Data Report research. The University of Massachusetts Boston Gerontology Institute 2022 research team: Beth Dugan PhD, Nina Silverstein PhD, Chae Man Lee PhD, Taylor Jansen MS, Shu Xu MS, & Yanjhu Su MS. Dr. Kina White from the Mississippi State Department of Health provided important guidance and leadership.

Questions? Beth.Dugan@umb.edu

Jefferson



POPULATION CHARACTERISTICS	County rate is significantly different than State rate	COUNTY ESTIMATE	STATE ESTIMATE
Total population all ages		7,129	2,981,835
Population 60 years or older as % of total population		23.5%	22.3%
Total population 60 years or older		1,676	663,581
Population 65 years or older as % of total population		15.5%	15.9%
Total population 65 years or older		1,105	474,270
% 65-74 years	*	73.1%	59.7%
% 75-84 years	*	17.1%	29.4%
% 85 years or older		9.8%	10.1%
% 65+ population who are female		60.0%	56.5%
% 85+ population who are female		53.7%	67.4%
Race and ethnicity of the population 65+			
% White	*	16.4%	70.9%
% African American	*	83.6%	26.9%
% Other race(s)		0.0%	2.2%
% Hispanic/Latino		0.0%	1.0%
Marital status of the population 65+			
% married		44.1%	53.1%
% divorced/separated		14.5%	14.5%
% widowed		28.0%	27.1%
% never married		13.5%	5.3%
Education of the population 65+			
% with less than high school education		29.4%	20.1%
% with high school or some college	*	42.7%	58.7%
% with college degree		13.4%	11.8%
% with graduate or professional degree		14.5%	9.4%
% of 65+ population who speak only English at home		98.2%	97.8%
% of 65+ population who are veterans of military service		14.5%	15.8%
Life expectancy at birth		71.9	74.6

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COVID-19			
Total COVID-19 cases since March 2020		1,484	797,161
COVID-19 mortality rate per 100,000 people		519.0	417.1
% of county received at least one vaccine dose		78.0%	53.7%
% of county fully vaccinated		71.0%	48.9%
WELLNESS			
% 60+ getting the recommended hours of sleep		48.8%	59.9%
% 60+ doing any physical activity within last month		54.4%	61.3%
% 60+ met CDC guidelines for muscle-strengthening activity		17.1%	19.0%
% 60+ met CDC guidelines for aerobic physical activity		34.7%	39.8%
% 60+ with fair or poor health status		40.3%	32.5%
% 60+ with 15+ physically unhealthy days in last month		24.7%	18.7%
FALLS			
% 60+ who fell within last year		26.6%	27.8%
% 60+ who were injured in a fall within last year		12.0%	10.6%
PREVENTION			
% 60+ with physical exam/check-up in last year		91.1%	89.0%
% 60+ had flu shot in last year		57.6%	57.6%
% 60+ had pneumonia vaccine		55.0%	58.9%
% 60+ had shingles vaccine		21.7%	24.4%
% 60+ women with a mammogram within last 2 years		73.9%	71.0%
% 60+ with colorectal cancer screening		60.4%	57.1%
% 60+ with HIV test		25.2%	20.8%
% 60+ met CDC preventive health screening goals		22.9%	26.2%
CHRONIC DISEASE			
% 65+ with Alzheimer’s disease or related dementias		13.0%	12.9%
% 65+ with arthritis		45.3%	39.8%
% 65+ with asthma		4.9%	3.7%
% 65+ with atrial fibrillation		N/A	8.9%
% 65+ with cancer (breast, colorectal, lung, prostate)		10.5%	8.8%
% 65+ with chronic kidney disease		25.7%	25.3%
% 65+ with chronic obstructive pulmonary disease (COPD)		10.6%	12.6%
% 65+ with diabetes		36.1%	30.7%
% 65+ with high cholesterol		45.7%	48.9%
% 65+ with heart failure		24.9%	16.1%
% 65+ with hypertension		75.5%	67.9%
% 65+ with ischemic heart disease		32.4%	31.9%
% 65+ with osteoporosis		N/A	6.4%
% 65+ with stroke		6.0%	4.4%

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
NUTRITION & DIET			
% 60+ with 5 or more servings of fruits or vegetables per day		9.7%	11.1%
% 60+ self-reported obese		35.8%	36.0%
% 60+ with cholesterol screening		94.3%	94.7%
ORAL HEALTH			
% 60+ with annual dental exam		50.6%	56.3%
# of dentists per 100,000 persons (all ages)		0.0	42.1
% 60+ with loss of 6 or more teeth	W	61.1%	45.8%
BEHAVIORAL HEALTH			
# of drug overdose deaths (all ages)		0	2,137
% 60+ current smokers		13.2%	13.1%
% 65+ with alcohol abuse disorder		N/A	1.3%
% 65+ with drug abuse/substance abuse disorder		2.4%	2.6%
MENTAL HEALTH			
% 60+ with 15+ days poor mental health in last month		12.0%	9.8%
% 65+ with depression		12.5%	16.4%
% 65+ with schizophrenia & other psychotic disorder		4.4%	2.2%
LIVING WITH DISABILITY			
% 65+ with self-reported hearing difficulty		11.0%	15.5%
% 65+ with self-reported vision difficulty	*	0.0%	8.7%
% 65+ with self-reported cognition difficulty	*	4.6%	11.2%
% 65+ with self-reported ambulatory difficulty		22.3%	28.0%
% 65+ with self-reported self-care difficulty	*	4.0%	10.2%
% 65+ with self-reported independent living difficulty		13.5%	17.3%
CAREGIVING			
% of grandparents raising grandchildren		3.6%	2.4%
% of grandparents who live with grandchildren		6.0%	4.7%
ACCESS TO CARE			
% 60+ with a regular doctor		94.3%	92.0%
% 60+ who did not see a doctor when needed due to cost		9.8%	8.6%
# of primary care providers in county		9	3,571
# of rural health care centers in county		0	191
# of hospitals in county		1	101
# of home health agencies in county		1	45
# of nursing homes in county		1	204
# of community health centers in county		1	20
# of adult day health centers in county		0	8
# of hospice agencies in county		0	94

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COMMUNITY			
Particulate matter PM2.5		N/A	9.1
Ozone		N/A	0.361
Air pollution: annual # of unhealthy days for 65+		N/A	N/A
Age-friendly efforts in county		Not yet	Not yet
# of senior centers in county		2	115
% households that have smartphone (all ages)		17.4%	15.3%
% households without computer (all ages)		17.3%	13.5%
% households with access to Broadband (all ages)		81.0%	75.8%
% households without access to Internet (all ages)		19.0%	23.9%
Voter participation rate in 2020 presidential election (age 18+)		67.1%	61.2%
SAFETY & CRIME			
Homicide rate/100,000 persons		0.0	14.1
# firearm fatalities (all ages)		0	3,428
# 60+ deaths by suicide		0	562
TRANSPORTATION			
% 65+ who own a motor vehicle		98.8%	91.5%
% 60+ who always drive or ride wearing a seatbelt		86.6%	89.6%
# of fatal crashes involving adult age 60+		5	780
HOUSING			
% 65+ population who live alone		18.5%	28.1%
Average household size (all ages)		2.6	2.6
Median house value	*	$62,000	$125,500
% 60+ who own home		72.8%	82.7%
% 60+ homeowners who have mortgage	*	19.2%	32.1%
% 65+ households(renter) who spend >35% of income on housing		28.8%	33.5%
% 65+ households(owner) who spend >35% of income on housing	*	4.6%	15.2%
ECONOMIC			
% 60+ receiving food benefits in last year	*	24.5%	11.4%
% 65+ employed in last year		19.5%	15.6%
% 65+ with income below the poverty line in last year		9.4%	12.8%
65+ median household income		$50,432	$36,653
% 65+ households with annual income < $20,000		29.4%	27.4%
% 65+ households with annual income $20,000-$49,999	*	19.3%	35.5%
% 65+ households with annual income $50,000-$99,999		33.5%	24.6%
% 65+ households with annual income $100,000+		17.8%	12.5%

HEALTHY AGING INDICATORS	RATIO OF COUNTY TO STATE	$ COUNTY ESTIMATE	$ STATE ESTIMATE
Elder Index: COST OF LIVING			
Single, homeowner without mortgage, good health	1.04	$21,528	$20,760
Single, renter, good health	0.99	$23,676	$23,892
Couple, homeowner without mortgage, good health	1.05	$34,848	$33,264
Couple, renter, good health	1.02	$36,996	$36,396

TECHNICAL NOTES

**See our technical report for more information on data sources, measures, and methodology. For most indicators the county and state values are estimates derived from sample data. Thus, it is possible that some of the differences between state and county estimates may be due to chance associated with population sampling. We use the terms "Better" and "Worse" to highlight differences between county and state estimates that we are confident are not due to chance. "Better" is used where a higher/lower value has positive implications for the health of older residents. "Worse" is used where a higher/lower score has negative implications for the health of older people, and when the implication is unclear, we use an *. We balance two goals. First, we aim to report data at very local levels because we believe change is often locally driven. Second, we vowed to protect the privacy of the people providing the information reported. Thus, given the constraints of the data analyzed we used a hierarchical approach to reporting.*

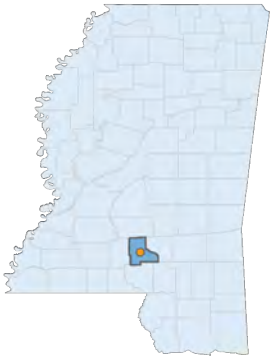
Data Sources:

- *Population Characteristics: The U.S. Census Bureau (American Community Survey 2016-2020) & Robert Wood Johnson Foundation (2020).*
- *COVID-19: Mississippi State Department of Health (MSDH; 2022).*
- *Wellness, Falls, Prevention: The Behavioral Risk Factor Surveillance System (BRFSS; 2013-2020), & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Chronic Disease: The Centers for Medicare and Medicaid Services (CMS) Select Chronic Conditions Database (2018).*
- *Nutrition/Diet, Oral Health: BRFSS (2013-2020) & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Behavioral Health, Mental Health: BRFSS (2013-2020), CMS (2018), & MSDH (2022).*
- *Living with Disability: ACS (2016-2020).*
- *Caregiving: ACS (2016-2020).*
- *Access to Care: BRFSS (2013-2020), CMS (2018), National Adult Day Service Association (June 2022), Community Health Center (Association of Mississippi; June 2022).*
- *Community: Environmental Protection Agency (EPA, 2020), BRFSS (2013-2020), ACS (2016-2020), AARP, & State of Mississippi (May 2022).*
- *Safety & Crime: CDC WONDER (2016-2020).*
- *Transportation: BRFSS (2013-2020), ACS (2016-2020), & Fatality Analysis Reporting System (FARS; 2016-2020).*
- *Housing & Economic: ACS (2016-2020).*
- *Elder Index: Center for Social and Demographic Research on Aging at the University of Massachusetts Boston (2022).*

Acknowledgments: Many people contributed to the MS Healthy Aging Data Report research. The University of Massachusetts Boston Gerontology Institute 2022 research team: Beth Dugan PhD, Nina Silverstein PhD, Chae Man Lee PhD, Taylor Jansen MS, Shu Xu MS, & Yanjhu Su MS. Dr. Kina White from the Mississippi State Department of Health provided important guidance and leadership.

Questions? Beth.Dugan@umb.edu

Jefferson Davis



POPULATION CHARACTERISTICS	County rate is significantly different than State rate	COUNTY ESTIMATE	STATE ESTIMATE
Total population all ages		11,182	2,981,835
Population 60 years or older as % of total population		29.3%	22.3%
Total population 60 years or older		3,277	663,581
Population 65 years or older as % of total population		22.5%	15.9%
Total population 65 years or older		2,512	474,270
% 65-74 years		56.5%	59.7%
% 75-84 years	*	37.2%	29.4%
% 85 years or older		6.3%	10.1%
% 65+ population who are female		56.9%	56.5%
% 85+ population who are female		70.7%	67.4%
Race and ethnicity of the population 65+			
% White	*	53.5%	70.9%
% African American	*	45.9%	26.9%
% Other race(s)		0.5%	2.2%
% Hispanic/Latino		0.6%	1.0%
Marital status of the population 65+			
% married		53.4%	53.1%
% divorced/separated		16.9%	14.5%
% widowed		28.5%	27.1%
% never married	*	1.2%	5.3%
Education of the population 65+			
% with less than high school education		22.8%	20.1%
% with high school or some college		62.1%	58.7%
% with college degree	*	6.2%	11.8%
% with graduate or professional degree		9.0%	9.4%
% of 65+ population who speak only English at home		100.0%	97.8%
% of 65+ population who are veterans of military service	*	8.5%	15.8%
Life expectancy at birth		72.0	74.6

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COVID-19			
Total COVID-19 cases since March 2020		2,854	797,161
COVID-19 mortality rate per 100,000 people		474.0	417.1
% of county received at least one vaccine dose		49.0%	53.7%
% of county fully vaccinated		46.0%	48.9%
WELLNESS			
% 60+ getting the recommended hours of sleep		56.7%	59.9%
% 60+ doing any physical activity within last month	W	52.3%	61.3%
% 60+ met CDC guidelines for muscle-strengthening activity		14.6%	19.0%
% 60+ met CDC guidelines for aerobic physical activity		34.1%	39.8%
% 60+ with fair or poor health status		36.1%	32.5%
% 60+ with 15+ physically unhealthy days in last month		25.4%	18.7%
FALLS			
% 60+ who fell within last year		26.5%	27.8%
% 60+ who were injured in a fall within last year		11.3%	10.6%
PREVENTION			
% 60+ with physical exam/check-up in last year		90.7%	89.0%
% 60+ had flu shot in last year		52.0%	57.6%
% 60+ had pneumonia vaccine		54.3%	58.9%
% 60+ had shingles vaccine		17.4%	24.4%
% 60+ women with a mammogram within last 2 years		74.0%	71.0%
% 60+ with colorectal cancer screening		60.0%	57.1%
% 60+ with HIV test		21.7%	20.8%
% 60+ met CDC preventive health screening goals		28.3%	26.2%
CHRONIC DISEASE			
% 65+ with Alzheimer’s disease or related dementias		13.8%	12.9%
% 65+ with arthritis		46.6%	39.8%
% 65+ with asthma		5.3%	3.7%
% 65+ with atrial fibrillation		6.8%	8.9%
% 65+ with cancer (breast, colorectal, lung, prostate)		11.0%	8.8%
% 65+ with chronic kidney disease		28.6%	25.3%
% 65+ with chronic obstructive pulmonary disease (COPD)		15.3%	12.6%
% 65+ with diabetes		35.6%	30.7%
% 65+ with high cholesterol		56.6%	48.9%
% 65+ with heart failure		16.2%	16.1%
% 65+ with hypertension		74.4%	67.9%
% 65+ with ischemic heart disease		34.7%	31.9%
% 65+ with osteoporosis		N/A	6.4%
% 65+ with stroke		5.1%	4.4%

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
NUTRITION & DIET			
% 60+ with 5 or more servings of fruits or vegetables per day		10.1%	11.1%
% 60+ self-reported obese		37.8%	36.0%
% 60+ with cholesterol screening		96.5%	94.7%
ORAL HEALTH			
% 60+ with annual dental exam		54.0%	56.3%
# of dentists per 100,000 persons (all ages)		27.5	42.1
% 60+ with loss of 6 or more teeth		49.4%	45.8%
BEHAVIORAL HEALTH			
# of drug overdose deaths (all ages)		0	2,137
% 60+ current smokers		13.1%	13.1%
% 65+ with alcohol abuse disorder		1.8%	1.3%
% 65+ with drug abuse/substance abuse disorder		3.4%	2.6%
MENTAL HEALTH			
% 60+ with 15+ days poor mental health in last month		10.3%	9.8%
% 65+ with depression		18.4%	16.4%
% 65+ with schizophrenia & other psychotic disorder		2.8%	2.2%
LIVING WITH DISABILITY			
% 65+ with self-reported hearing difficulty		11.0%	15.5%
% 65+ with self-reported vision difficulty	*	4.4%	8.7%
% 65+ with self-reported cognition difficulty		11.5%	11.2%
% 65+ with self-reported ambulatory difficulty	*	20.5%	28.0%
% 65+ with self-reported self-care difficulty		10.3%	10.2%
% 65+ with self-reported independent living difficulty		19.0%	17.3%
CAREGIVING			
% of grandparents raising grandchildren	*	4.5%	2.4%
% of grandparents who live with grandchildren	*	6.2%	4.7%
ACCESS TO CARE			
% 60+ with a regular doctor		91.1%	92.0%
% 60+ who did not see a doctor when needed due to cost		9.0%	8.6%
# of primary care providers in county		2	3,571
# of rural health care centers in county		1	191
# of hospitals in county		1	101
# of home health agencies in county		0	45
# of nursing homes in county		1	204
# of community health centers in county		0	20
# of adult day health centers in county		0	8
# of hospice agencies in county		0	94

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COMMUNITY			
Particulate matter PM2.5		N/A	9.1
Ozone		N/A	0.361
Air pollution: annual # of unhealthy days for 65+		N/A	N/A
Age-friendly efforts in county		Not yet	Not yet
# of senior centers in county		0	115
% households that have smartphone (all ages)		17.6%	15.3%
% households without computer (all ages)		20.0%	13.5%
% households with access to Broadband (all ages)	*	60.9%	75.8%
% households without access to Internet (all ages)	*	38.5%	23.9%
Voter participation rate in 2020 presidential election (age 18+)		68.0%	61.2%
SAFETY & CRIME			
Homicide rate/100,000 persons		30.4	14.1
# firearm fatalities (all ages)		18	3,428
# 60+ deaths by suicide		0	562
TRANSPORTATION			
% 65+ who own a motor vehicle		94.3%	91.5%
% 60+ who always drive or ride wearing a seatbelt		87.2%	89.6%
# of fatal crashes involving adult age 60+		4	780
HOUSING			
% 65+ population who live alone	*	18.4%	28.1%
Average household size (all ages)	*	2.4	2.6
Median house value	*	$82,400	$125,500
% 60+ who own home	*	89.5%	82.7%
% 60+ homeowners who have mortgage		39.8%	32.1%
% 65+ households(renter) who spend >35% of income on housing		41.3%	33.5%
% 65+ households(owner) who spend >35% of income on housing		25.7%	15.2%
ECONOMIC			
% 60+ receiving food benefits in last year	*	22.0%	11.4%
% 65+ employed in last year		17.0%	15.6%
% 65+ with income below the poverty line in last year		15.0%	12.8%
65+ median household income		$32,154	$36,653
% 65+ households with annual income < $20,000		29.1%	27.4%
% 65+ households with annual income $20,000-$49,999		32.3%	35.5%
% 65+ households with annual income $50,000-$99,999		20.5%	24.6%
% 65+ households with annual income $100,000+		18.0%	12.5%

HEALTHY AGING INDICATORS	RATIO OF COUNTY TO STATE	$ COUNTY ESTIMATE	$ STATE ESTIMATE
Elder Index: COST OF LIVING			
Single, homeowner without mortgage, good health	1.03	$21,324	$20,760
Single, renter, good health	1.02	$24,288	$23,892
Couple, homeowner without mortgage, good health	1.04	$34,644	$33,264
Couple, renter, good health	1.03	$37,608	$36,396

TECHNICAL NOTES

**See our technical report for more information on data sources, measures, and methodology. For most indicators the county and state values are estimates derived from sample data. Thus, it is possible that some of the differences between state and county estimates may be due to chance associated with population sampling. We use the terms "Better" and "Worse" to highlight differences between county and state estimates that we are confident are not due to chance. "Better" is used where a higher/lower value has positive implications for the health of older residents. "Worse" is used where a higher/lower score has negative implications for the health of older people, and when the implication is unclear, we use an *. We balance two goals. First, we aim to report data at very local levels because we believe change is often locally driven. Second, we vowed to protect the privacy of the people providing the information reported. Thus, given the constraints of the data analyzed we used a hierarchical approach to reporting.*

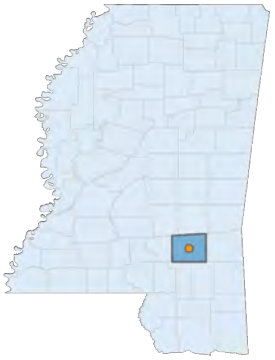
Data Sources:

- *Population Characteristics: The U.S. Census Bureau (American Community Survey 2016-2020) & Robert Wood Johnson Foundation (2020).*
- *COVID-19: Mississippi State Department of Health (MSDH; 2022).*
- *Wellness, Falls, Prevention: The Behavioral Risk Factor Surveillance System (BRFSS; 2013-2020), & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Chronic Disease: The Centers for Medicare and Medicaid Services (CMS) Select Chronic Conditions Database (2018).*
- *Nutrition/Diet, Oral Health: BRFSS (2013-2020) & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Behavioral Health, Mental Health: BRFSS (2013-2020), CMS (2018), & MSDH (2022).*
- *Living with Disability: ACS (2016-2020).*
- *Caregiving: ACS (2016-2020).*
- *Access to Care: BRFSS (2013-2020), CMS (2018), National Adult Day Service Association (June 2022), Community Health Center (Association of Mississippi; June 2022).*
- *Community: Environmental Protection Agency (EPA, 2020), BRFSS (2013-2020), ACS (2016-2020), AARP, & State of Mississippi (May 2022).*
- *Safety & Crime: CDC WONDER (2016-2020).*
- *Transportation: BRFSS (2013-2020), ACS (2016-2020), & Fatality Analysis Reporting System (FARS; 2016-2020).*
- *Housing & Economic: ACS (2016-2020).*
- *Elder Index: Center for Social and Demographic Research on Aging at the University of Massachusetts Boston (2022).*

Acknowledgments: Many people contributed to the MS Healthy Aging Data Report research. The University of Massachusetts Boston Gerontology Institute 2022 research team: Beth Dugan PhD, Nina Silverstein PhD, Chae Man Lee PhD, Taylor Jansen MS, Shu Xu MS, & Yanjhu Su MS. Dr. Kina White from the Mississippi State Department of Health provided important guidance and leadership.

Questions? Beth.Dugan@umb.edu

Jones



POPULATION CHARACTERISTICS	County rate is significantly different than State rate	COUNTY ESTIMATE	STATE ESTIMATE
Total population all ages		68,307	2,981,835
Population 60 years or older as % of total population		23.9%	22.3%
Total population 60 years or older		16,347	663,581
Population 65 years or older as % of total population		16.8%	15.9%
Total population 65 years or older		11,480	474,270
% 65-74 years		57.9%	59.7%
% 75-84 years		28.3%	29.4%
% 85 years or older		13.8%	10.1%
% 65+ population who are female		56.7%	56.5%
% 85+ population who are female		66.2%	67.4%
Race and ethnicity of the population 65+			
% White	*	78.9%	70.9%
% African American	*	19.9%	26.9%
% Other race(s)		1.2%	2.2%
% Hispanic/Latino	*	0.2%	1.0%
Marital status of the population 65+			
% married		52.3%	53.1%
% divorced/separated		12.1%	14.5%
% widowed		28.9%	27.1%
% never married		6.7%	5.3%
Education of the population 65+			
% with less than high school education		19.2%	20.1%
% with high school or some college		61.1%	58.7%
% with college degree		11.2%	11.8%
% with graduate or professional degree		8.6%	9.4%
% of 65+ population who speak only English at home		99.5%	97.8%
% of 65+ population who are veterans of military service		15.6%	15.8%
Life expectancy at birth		74.5	74.6

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COVID-19			
Total COVID-19 cases since March 2020		21,206	797,161
COVID-19 mortality rate per 100,000 people		428.9	417.1
% of county received at least one vaccine dose		49.0%	53.7%
% of county fully vaccinated		44.0%	48.9%
WELLNESS			
% 60+ getting the recommended hours of sleep		55.6%	59.9%
% 60+ doing any physical activity within last month	W	52.9%	61.3%
% 60+ met CDC guidelines for muscle-strengthening activity	W	12.7%	19.0%
% 60+ met CDC guidelines for aerobic physical activity		33.0%	39.8%
% 60+ with fair or poor health status	W	38.9%	32.5%
% 60+ with 15+ physically unhealthy days in last month		21.3%	18.7%
FALLS			
% 60+ who fell within last year		29.8%	27.8%
% 60+ who were injured in a fall within last year		11.3%	10.6%
PREVENTION			
% 60+ with physical exam/check-up in last year		85.9%	89.0%
% 60+ had flu shot in last year		57.5%	57.6%
% 60+ had pneumonia vaccine		56.4%	58.9%
% 60+ had shingles vaccine		26.6%	24.4%
% 60+ women with a mammogram within last 2 years		68.1%	71.0%
% 60+ with colorectal cancer screening		52.8%	57.1%
% 60+ with HIV test		20.6%	20.8%
% 60+ met CDC preventive health screening goals		26.1%	26.2%
CHRONIC DISEASE			
% 65+ with Alzheimer’s disease or related dementias		14.2%	12.9%
% 65+ with arthritis		46.0%	39.8%
% 65+ with asthma		4.4%	3.7%
% 65+ with atrial fibrillation		10.1%	8.9%
% 65+ with cancer (breast, colorectal, lung, prostate)		9.8%	8.8%
% 65+ with chronic kidney disease		27.0%	25.3%
% 65+ with chronic obstructive pulmonary disease (COPD)		12.0%	12.6%
% 65+ with diabetes		32.9%	30.7%
% 65+ with high cholesterol		56.6%	48.9%
% 65+ with heart failure		15.8%	16.1%
% 65+ with hypertension		73.4%	67.9%
% 65+ with ischemic heart disease		36.7%	31.9%
% 65+ with osteoporosis		8.3%	6.4%
% 65+ with stroke		5.0%	4.4%

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
NUTRITION & DIET			
% 60+ with 5 or more servings of fruits or vegetables per day		10.1%	11.1%
% 60+ self-reported obese		36.5%	36.0%
% 60+ with cholesterol screening		91.5%	94.7%
ORAL HEALTH			
% 60+ with annual dental exam		52.8%	56.3%
# of dentists per 100,000 persons (all ages)		39.7	42.1
% 60+ with loss of 6 or more teeth		51.3%	45.8%
BEHAVIORAL HEALTH			
# of drug overdose deaths (all ages)		47	2,137
% 60+ current smokers		11.4%	13.1%
% 65+ with alcohol abuse disorder		1.2%	1.3%
% 65+ with drug abuse/substance abuse disorder		2.7%	2.6%
MENTAL HEALTH			
% 60+ with 15+ days poor mental health in last month		10.3%	9.8%
% 65+ with depression		22.3%	16.4%
% 65+ with schizophrenia & other psychotic disorder		1.9%	2.2%
LIVING WITH DISABILITY			
% 65+ with self-reported hearing difficulty	*	19.7%	15.5%
% 65+ with self-reported vision difficulty		9.8%	8.7%
% 65+ with self-reported cognition difficulty		13.5%	11.2%
% 65+ with self-reported ambulatory difficulty		29.3%	28.0%
% 65+ with self-reported self-care difficulty		10.6%	10.2%
% 65+ with self-reported independent living difficulty	*	22.4%	17.3%
CAREGIVING			
% of grandparents raising grandchildren		1.9%	2.4%
% of grandparents who live with grandchildren		3.8%	4.7%
ACCESS TO CARE			
% 60+ with a regular doctor		91.2%	92.0%
% 60+ who did not see a doctor when needed due to cost		9.0%	8.6%
# of primary care providers in county		40	3,571
# of rural health care centers in county		4	191
# of hospitals in county		1	101
# of home health agencies in county		2	45
# of nursing homes in county		4	204
# of community health centers in county		1	20
# of adult day health centers in county		0	8
# of hospice agencies in county		2	94

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COMMUNITY			
Particulate matter PM2.5		N/A	9.1
Ozone		N/A	0.361
Air pollution: annual # of unhealthy days for 65+		N/A	N/A
Age-friendly efforts in county		Not yet	Not yet
# of senior centers in county		0	115
% households that have smartphone (all ages)	*	21.0%	15.3%
% households without computer (all ages)		14.8%	13.5%
% households with access to Broadband (all ages)	*	62.4%	75.8%
% households without access to Internet (all ages)	*	36.5%	23.9%
Voter participation rate in 2020 presidential election (age 18+)		66.4%	61.2%
SAFETY & CRIME			
Homicide rate/100,000 persons		7.0	14.1
# firearm fatalities (all ages)		60	3,428
# 60+ deaths by suicide		17	562
TRANSPORTATION			
% 65+ who own a motor vehicle		92.7%	91.5%
% 60+ who always drive or ride wearing a seatbelt		88.9%	89.6%
# of fatal crashes involving adult age 60+		19	780
HOUSING			
% 65+ population who live alone		26.9%	28.1%
Average household size (all ages)		2.7	2.6
Median house value	*	$101,300	$125,500
% 60+ who own home	*	86.4%	82.7%
% 60+ homeowners who have mortgage	*	25.4%	32.1%
% 65+ households(renter) who spend >35% of income on housing		41.9%	33.5%
% 65+ households(owner) who spend >35% of income on housing		14.2%	15.2%
ECONOMIC			
% 60+ receiving food benefits in last year		9.8%	11.4%
% 65+ employed in last year		17.0%	15.6%
% 65+ with income below the poverty line in last year		13.5%	12.8%
65+ median household income		$32,797	$36,653
% 65+ households with annual income < $20,000		25.2%	27.4%
% 65+ households with annual income $20,000-$49,999		40.6%	35.5%
% 65+ households with annual income $50,000-$99,999		23.0%	24.6%
% 65+ households with annual income $100,000+		11.2%	12.5%

HEALTHY AGING INDICATORS	RATIO OF COUNTY TO STATE	$ COUNTY ESTIMATE	$ STATE ESTIMATE
Elder Index: COST OF LIVING			
Single, homeowner without mortgage, good health	0.94	$19,584	$20,760
Single, renter, good health	0.94	$22,512	$23,892
Couple, homeowner without mortgage, good health	0.94	$31,164	$33,264
Couple, renter, good health	0.94	$34,092	$36,396

TECHNICAL NOTES

**See our technical report for more information on data sources, measures, and methodology. For most indicators the county and state values are estimates derived from sample data. Thus, it is possible that some of the differences between state and county estimates may be due to chance associated with population sampling. We use the terms "Better" and "Worse" to highlight differences between county and state estimates that we are confident are not due to chance. "Better" is used where a higher/lower value has positive implications for the health of older residents. "Worse" is used where a higher/lower score has negative implications for the health of older people, and when the implication is unclear, we use an *. We balance two goals. First, we aim to report data at very local levels because we believe change is often locally driven. Second, we vowed to protect the privacy of the people providing the information reported. Thus, given the constraints of the data analyzed we used a hierarchical approach to reporting.*

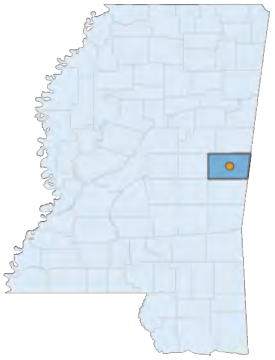
Data Sources:

- *Population Characteristics: The U.S. Census Bureau (American Community Survey 2016-2020) & Robert Wood Johnson Foundation (2020).*
- *COVID-19: Mississippi State Department of Health (MSDH; 2022).*
- *Wellness, Falls, Prevention: The Behavioral Risk Factor Surveillance System (BRFSS; 2013-2020), & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Chronic Disease: The Centers for Medicare and Medicaid Services (CMS) Select Chronic Conditions Database (2018).*
- *Nutrition/Diet, Oral Health: BRFSS (2013-2020) & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Behavioral Health, Mental Health: BRFSS (2013-2020), CMS (2018), & MSDH (2022).*
- *Living with Disability: ACS (2016-2020).*
- *Caregiving: ACS (2016-2020).*
- *Access to Care: BRFSS (2013-2020), CMS (2018), National Adult Day Service Association (June 2022), Community Health Center (Association of Mississippi; June 2022).*
- *Community: Environmental Protection Agency (EPA, 2020), BRFSS (2013-2020), ACS (2016-2020), AARP, & State of Mississippi (May 2022).*
- *Safety & Crime: CDC WONDER (2016-2020).*
- *Transportation: BRFSS (2013-2020), ACS (2016-2020), & Fatality Analysis Reporting System (FARS; 2016-2020).*
- *Housing & Economic: ACS (2016-2020).*
- *Elder Index: Center for Social and Demographic Research on Aging at the University of Massachusetts Boston (2022).*

Acknowledgments: Many people contributed to the MS Healthy Aging Data Report research. The University of Massachusetts Boston Gerontology Institute 2022 research team: Beth Dugan PhD, Nina Silverstein PhD, Chae Man Lee PhD, Taylor Jansen MS, Shu Xu MS, & Yanjhu Su MS. Dr. Kina White from the Mississippi State Department of Health provided important guidance and leadership.

Questions? Beth.Dugan@umb.edu

Kemper



POPULATION CHARACTERISTICS	County rate is significantly different than State rate	COUNTY ESTIMATE	STATE ESTIMATE
Total population all ages		9,829	2,981,835
Population 60 years or older as % of total population		25.4%	22.3%
Total population 60 years or older		2,493	663,581
Population 65 years or older as % of total population		20.9%	15.9%
Total population 65 years or older		2,054	474,270
% 65-74 years		53.6%	59.7%
% 75-84 years	*	41.0%	29.4%
% 85 years or older	*	5.4%	10.1%
% 65+ population who are female		53.7%	56.5%
% 85+ population who are female		83.8%	67.4%
Race and ethnicity of the population 65+			
% White	*	53.0%	70.9%
% African American	*	47.0%	26.9%
% Other race(s)		0.0%	2.2%
% Hispanic/Latino		0.0%	1.0%
Marital status of the population 65+			
% married		58.8%	53.1%
% divorced/separated		18.9%	14.5%
% widowed	*	15.1%	27.1%
% never married		7.2%	5.3%
Education of the population 65+			
% with less than high school education		22.4%	20.1%
% with high school or some college		60.7%	58.7%
% with college degree		10.5%	11.8%
% with graduate or professional degree		6.4%	9.4%
% of 65+ population who speak only English at home		100.0%	97.8%
% of 65+ population who are veterans of military service		12.3%	15.8%
Life expectancy at birth		76.5	74.6

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COVID-19			
Total COVID-19 cases since March 2020		2,183	797,161
COVID-19 mortality rate per 100,000 people		488.4	417.1
% of county received at least one vaccine dose		49.0%	53.7%
% of county fully vaccinated		45.0%	48.9%
WELLNESS			
% 60+ getting the recommended hours of sleep		59.5%	59.9%
% 60+ doing any physical activity within last month		61.6%	61.3%
% 60+ met CDC guidelines for muscle-strengthening activity		13.6%	19.0%
% 60+ met CDC guidelines for aerobic physical activity		33.4%	39.8%
% 60+ with fair or poor health status		33.5%	32.5%
% 60+ with 15+ physically unhealthy days in last month		21.8%	18.7%
FALLS			
% 60+ who fell within last year		24.4%	27.8%
% 60+ who were injured in a fall within last year		9.0%	10.6%
PREVENTION			
% 60+ with physical exam/check-up in last year		87.9%	89.0%
% 60+ had flu shot in last year		56.3%	57.6%
% 60+ had pneumonia vaccine		58.0%	58.9%
% 60+ had shingles vaccine		24.5%	24.4%
% 60+ women with a mammogram within last 2 years		78.2%	71.0%
% 60+ with colorectal cancer screening	W	47.3%	57.1%
% 60+ with HIV test		18.3%	20.8%
% 60+ met CDC preventive health screening goals		24.4%	26.2%
CHRONIC DISEASE			
% 65+ with Alzheimer’s disease or related dementias		17.3%	12.9%
% 65+ with arthritis		42.4%	39.8%
% 65+ with asthma		3.8%	3.7%
% 65+ with atrial fibrillation		N/A	8.9%
% 65+ with cancer (breast, colorectal, lung, prostate)		9.2%	8.8%
% 65+ with chronic kidney disease		21.8%	25.3%
% 65+ with chronic obstructive pulmonary disease (COPD)		11.2%	12.6%
% 65+ with diabetes		31.9%	30.7%
% 65+ with high cholesterol		46.7%	48.9%
% 65+ with heart failure		14.0%	16.1%
% 65+ with hypertension		71.7%	67.9%
% 65+ with ischemic heart disease		24.1%	31.9%
% 65+ with osteoporosis		N/A	6.4%
% 65+ with stroke		N/A	4.4%

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
NUTRITION & DIET			
% 60+ with 5 or more servings of fruits or vegetables per day		11.8%	11.1%
% 60+ self-reported obese	B	27.6%	36.0%
% 60+ with cholesterol screening		89.6%	94.7%
ORAL HEALTH			
% 60+ with annual dental exam	W	44.1%	56.3%
# of dentists per 100,000 persons (all ages)		10.5	42.1
% 60+ with loss of 6 or more teeth	W	57.2%	45.8%
BEHAVIORAL HEALTH			
# of drug overdose deaths (all ages)		0	2,137
% 60+ current smokers		19.6%	13.1%
% 65+ with alcohol abuse disorder		1.0%	1.3%
% 65+ with drug abuse/substance abuse disorder		5.4%	2.6%
MENTAL HEALTH			
% 60+ with 15+ days poor mental health in last month		9.2%	9.8%
% 65+ with depression		13.8%	16.4%
% 65+ with schizophrenia & other psychotic disorder		2.4%	2.2%
LIVING WITH DISABILITY			
% 65+ with self-reported hearing difficulty	*	35.0%	15.5%
% 65+ with self-reported vision difficulty		6.4%	8.7%
% 65+ with self-reported cognition difficulty	*	5.6%	11.2%
% 65+ with self-reported ambulatory difficulty		25.4%	28.0%
% 65+ with self-reported self-care difficulty		7.1%	10.2%
% 65+ with self-reported independent living difficulty		12.2%	17.3%
CAREGIVING			
% of grandparents raising grandchildren		3.2%	2.4%
% of grandparents who live with grandchildren		4.7%	4.7%
ACCESS TO CARE			
% 60+ with a regular doctor		92.3%	92.0%
% 60+ who did not see a doctor when needed due to cost		8.5%	8.6%
# of primary care providers in county		1	3,571
# of rural health care centers in county		1	191
# of hospitals in county		1	101
# of home health agencies in county		0	45
# of nursing homes in county		1	204
# of community health centers in county		0	20
# of adult day health centers in county		0	8
# of hospice agencies in county		0	94

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COMMUNITY			
Particulate matter PM2.5		N/A	9.1
Ozone		N/A	0.361
Air pollution: annual # of unhealthy days for 65+		N/A	N/A
Age-friendly efforts in county		Not yet	Not yet
# of senior centers in county		0	115
% households that have smartphone (all ages)		16.4%	15.3%
% households without computer (all ages)	*	23.8%	13.5%
% households with access to Broadband (all ages)	*	60.6%	75.8%
% households without access to Internet (all ages)	*	39.1%	23.9%
Voter participation rate in 2020 presidential election (age 18+)		59.4%	61.2%
SAFETY & CRIME			
Homicide rate/100,000 persons		0.0	14.1
# firearm fatalities (all ages)		0	3,428
# 60+ deaths by suicide		0	562
TRANSPORTATION			
% 65+ who own a motor vehicle		95.4%	91.5%
% 60+ who always drive or ride wearing a seatbelt		84.2%	89.6%
# of fatal crashes involving adult age 60+		5	780
HOUSING			
% 65+ population who live alone		32.9%	28.1%
Average household size (all ages)	*	2.4	2.6
Median house value	*	$78,600	$125,500
% 60+ who own home		84.6%	82.7%
% 60+ homeowners who have mortgage		24.3%	32.1%
% 65+ households(renter) who spend >35% of income on housing		15.3%	33.5%
% 65+ households(owner) who spend >35% of income on housing		21.0%	15.2%
ECONOMIC			
% 60+ receiving food benefits in last year		13.5%	11.4%
% 65+ employed in last year		20.3%	15.6%
% 65+ with income below the poverty line in last year		9.4%	12.8%
65+ median household income		$26,854	$36,653
% 65+ households with annual income < $20,000		36.8%	27.4%
% 65+ households with annual income $20,000-$49,999		37.5%	35.5%
% 65+ households with annual income $50,000-$99,999	*	13.1%	24.6%
% 65+ households with annual income $100,000+		12.6%	12.5%

HEALTHY AGING INDICATORS	RATIO OF COUNTY TO STATE	$ COUNTY ESTIMATE	$ STATE ESTIMATE
Elder Index: COST OF LIVING			
Single, homeowner without mortgage, good health	0.99	$20,604	$20,760
Single, renter, good health	0.93	$22,332	$23,892
Couple, homeowner without mortgage, good health	0.99	$32,892	$33,264
Couple, renter, good health	0.95	$34,620	$36,396

TECHNICAL NOTES

**See our technical report for more information on data sources, measures, and methodology. For most indicators the county and state values are estimates derived from sample data. Thus, it is possible that some of the differences between state and county estimates may be due to chance associated with population sampling. We use the terms "Better" and "Worse" to highlight differences between county and state estimates that we are confident are not due to chance. "Better" is used where a higher/lower value has positive implications for the health of older residents. "Worse" is used where a higher/lower score has negative implications for the health of older people, and when the implication is unclear, we use an *. We balance two goals. First, we aim to report data at very local levels because we believe change is often locally driven. Second, we vowed to protect the privacy of the people providing the information reported. Thus, given the constraints of the data analyzed we used a hierarchical approach to reporting.*

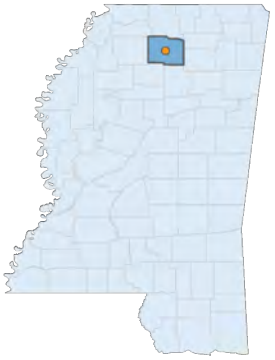
Data Sources:

- *Population Characteristics: The U.S. Census Bureau (American Community Survey 2016-2020) & Robert Wood Johnson Foundation (2020).*
- *COVID-19: Mississippi State Department of Health (MSDH; 2022).*
- *Wellness, Falls, Prevention: The Behavioral Risk Factor Surveillance System (BRFSS; 2013-2020), & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Chronic Disease: The Centers for Medicare and Medicaid Services (CMS) Select Chronic Conditions Database (2018).*
- *Nutrition/Diet, Oral Health: BRFSS (2013-2020) & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Behavioral Health, Mental Health: BRFSS (2013-2020), CMS (2018), & MSDH (2022).*
- *Living with Disability: ACS (2016-2020).*
- *Caregiving: ACS (2016-2020).*
- *Access to Care: BRFSS (2013-2020), CMS (2018), National Adult Day Service Association (June 2022), Community Health Center (Association of Mississippi; June 2022).*
- *Community: Environmental Protection Agency (EPA, 2020), BRFSS (2013-2020), ACS (2016-2020), AARP, & State of Mississippi (May 2022).*
- *Safety & Crime: CDC WONDER (2016-2020).*
- *Transportation: BRFSS (2013-2020), ACS (2016-2020), & Fatality Analysis Reporting System (FARS; 2016-2020).*
- *Housing & Economic: ACS (2016-2020).*
- *Elder Index: Center for Social and Demographic Research on Aging at the University of Massachusetts Boston (2022).*

Acknowledgments: Many people contributed to the MS Healthy Aging Data Report research. The University of Massachusetts Boston Gerontology Institute 2022 research team: Beth Dugan PhD, Nina Silverstein PhD, Chae Man Lee PhD, Taylor Jansen MS, Shu Xu MS, & Yanjhu Su MS. Dr. Kina White from the Mississippi State Department of Health provided important guidance and leadership.

Questions? Beth.Dugan@umb.edu

Lafayette



POPULATION CHARACTERISTICS	County rate is significantly different than State rate	COUNTY ESTIMATE	STATE ESTIMATE
Total population all ages		54,059	2,981,835
Population 60 years or older as % of total population		17.9%	22.3%
Total population 60 years or older		9,671	663,581
Population 65 years or older as % of total population		12.6%	15.9%
Total population 65 years or older		6,832	474,270
% 65-74 years		62.1%	59.7%
% 75-84 years		26.3%	29.4%
% 85 years or older		11.6%	10.1%
% 65+ population who are female		56.0%	56.5%
% 85+ population who are female		64.4%	67.4%
Race and ethnicity of the population 65+			
% White	*	81.0%	70.9%
% African American	*	16.2%	26.9%
% Other race(s)		2.7%	2.2%
% Hispanic/Latino		0.0%	1.0%
Marital status of the population 65+			
% married	*	58.7%	53.1%
% divorced/separated		15.9%	14.5%
% widowed	*	20.8%	27.1%
% never married		4.6%	5.3%
Education of the population 65+			
% with less than high school education	*	12.4%	20.1%
% with high school or some college	*	44.5%	58.7%
% with college degree	*	20.3%	11.8%
% with graduate or professional degree	*	22.7%	9.4%
% of 65+ population who speak only English at home		98.1%	97.8%
% of 65+ population who are veterans of military service		14.5%	15.8%
Life expectancy at birth		78.0	74.6

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COVID-19			
Total COVID-19 cases since March 2020		15,299	797,161
COVID-19 mortality rate per 100,000 people		331.1	417.1
% of county received at least one vaccine dose		60.0%	53.7%
% of county fully vaccinated		55.0%	48.9%
WELLNESS			
% 60+ getting the recommended hours of sleep		54.0%	59.9%
% 60+ doing any physical activity within last month		66.2%	61.3%
% 60+ met CDC guidelines for muscle-strengthening activity		22.1%	19.0%
% 60+ met CDC guidelines for aerobic physical activity		40.9%	39.8%
% 60+ with fair or poor health status		33.2%	32.5%
% 60+ with 15+ physically unhealthy days in last month		14.8%	18.7%
FALLS			
% 60+ who fell within last year		21.6%	27.8%
% 60+ who were injured in a fall within last year		12.2%	10.6%
PREVENTION			
% 60+ with physical exam/check-up in last year		88.4%	89.0%
% 60+ had flu shot in last year		57.6%	57.6%
% 60+ had pneumonia vaccine		61.4%	58.9%
% 60+ had shingles vaccine		30.6%	24.4%
% 60+ women with a mammogram within last 2 years		70.2%	71.0%
% 60+ with colorectal cancer screening		63.0%	57.1%
% 60+ with HIV test		21.4%	20.8%
% 60+ met CDC preventive health screening goals		34.5%	26.2%
CHRONIC DISEASE			
% 65+ with Alzheimer’s disease or related dementias		10.9%	12.9%
% 65+ with arthritis		35.4%	39.8%
% 65+ with asthma		3.0%	3.7%
% 65+ with atrial fibrillation		9.1%	8.9%
% 65+ with cancer (breast, colorectal, lung, prostate)		8.0%	8.8%
% 65+ with chronic kidney disease		21.4%	25.3%
% 65+ with chronic obstructive pulmonary disease (COPD)		7.8%	12.6%
% 65+ with diabetes		26.8%	30.7%
% 65+ with high cholesterol		49.1%	48.9%
% 65+ with heart failure		16.5%	16.1%
% 65+ with hypertension		61.5%	67.9%
% 65+ with ischemic heart disease		31.3%	31.9%
% 65+ with osteoporosis		8.5%	6.4%
% 65+ with stroke		3.4%	4.4%

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
NUTRITION & DIET			
% 60+ with 5 or more servings of fruits or vegetables per day		10.5%	11.1%
% 60+ self-reported obese		38.1%	36.0%
% 60+ with cholesterol screening		97.3%	94.7%
ORAL HEALTH			
% 60+ with annual dental exam		56.7%	56.3%
# of dentists per 100,000 persons (all ages)		58.8	42.1
% 60+ with loss of 6 or more teeth		48.1%	45.8%
BEHAVIORAL HEALTH			
# of drug overdose deaths (all ages)		20	2,137
% 60+ current smokers		11.0%	13.1%
% 65+ with alcohol abuse disorder		0.9%	1.3%
% 65+ with drug abuse/substance abuse disorder		0.9%	2.6%
MENTAL HEALTH			
% 60+ with 15+ days poor mental health in last month		9.8%	9.8%
% 65+ with depression		13.4%	16.4%
% 65+ with schizophrenia & other psychotic disorder		1.4%	2.2%
LIVING WITH DISABILITY			
% 65+ with self-reported hearing difficulty	*	10.8%	15.5%
% 65+ with self-reported vision difficulty		5.7%	8.7%
% 65+ with self-reported cognition difficulty	*	5.3%	11.2%
% 65+ with self-reported ambulatory difficulty	*	20.4%	28.0%
% 65+ with self-reported self-care difficulty		7.4%	10.2%
% 65+ with self-reported independent living difficulty		14.4%	17.3%
CAREGIVING			
% of grandparents raising grandchildren		1.9%	2.4%
% of grandparents who live with grandchildren	*	2.9%	4.7%
ACCESS TO CARE			
% 60+ with a regular doctor		91.9%	92.0%
% 60+ who did not see a doctor when needed due to cost		9.9%	8.6%
# of primary care providers in county		43	3,571
# of rural health care centers in county		3	191
# of hospitals in county		1	101
# of home health agencies in county		0	45
# of nursing homes in county		1	204
# of community health centers in county		0	20
# of adult day health centers in county		0	8
# of hospice agencies in county		3	94

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COMMUNITY			
Particulate matter PM2.5		N/A	9.1
Ozone		N/A	0.361
Air pollution: annual # of unhealthy days for 65+		N/A	N/A
Age-friendly efforts in county		Not yet	Not yet
# of senior centers in county		1	115
% households that have smartphone (all ages)	*	7.9%	15.3%
% households without computer (all ages)	*	6.1%	13.5%
% households with access to Broadband (all ages)	*	86.9%	75.8%
% households without access to Internet (all ages)	*	13.0%	23.9%
Voter participation rate in 2020 presidential election (age 18+)		63.1%	61.2%
SAFETY & CRIME			
Homicide rate/100,000 persons		5.5	14.1
# firearm fatalities (all ages)		29	3,428
# 60+ deaths by suicide		0	562
TRANSPORTATION			
% 65+ who own a motor vehicle		89.3%	91.5%
% 60+ who always drive or ride wearing a seatbelt		91.3%	89.6%
# of fatal crashes involving adult age 60+		13	780
HOUSING			
% 65+ population who live alone		24.1%	28.1%
Average household size (all ages)		2.7	2.6
Median house value	*	$217,900	$125,500
% 60+ who own home		83.6%	82.7%
% 60+ homeowners who have mortgage	*	41.2%	32.1%
% 65+ households(renter) who spend >35% of income on housing		42.9%	33.5%
% 65+ households(owner) who spend >35% of income on housing		12.7%	15.2%
ECONOMIC			
% 60+ receiving food benefits in last year	*	3.4%	11.4%
% 65+ employed in last year	*	22.8%	15.6%
% 65+ with income below the poverty line in last year	*	4.0%	12.8%
65+ median household income	*	$58,452	$36,653
% 65+ households with annual income < $20,000	*	17.4%	27.4%
% 65+ households with annual income $20,000-$49,999	*	25.1%	35.5%
% 65+ households with annual income $50,000-$99,999	*	34.4%	24.6%
% 65+ households with annual income $100,000+	*	23.1%	12.5%

HEALTHY AGING INDICATORS	RATIO OF COUNTY TO STATE	$ COUNTY ESTIMATE	$ STATE ESTIMATE
Elder Index: COST OF LIVING			
Single, homeowner without mortgage, good health	1.04	$21,528	$20,760
Single, renter, good health	1.12	$26,868	$23,892
Couple, homeowner without mortgage, good health	1.05	$34,848	$33,264
Couple, renter, good health	1.10	$40,188	$36,396

TECHNICAL NOTES

**See our technical report for more information on data sources, measures, and methodology. For most indicators the county and state values are estimates derived from sample data. Thus, it is possible that some of the differences between state and county estimates may be due to chance associated with population sampling. We use the terms "Better" and "Worse" to highlight differences between county and state estimates that we are confident are not due to chance. "Better" is used where a higher/lower value has positive implications for the health of older residents. "Worse" is used where a higher/lower score has negative implications for the health of older people, and when the implication is unclear, we use an *. We balance two goals. First, we aim to report data at very local levels because we believe change is often locally driven. Second, we vowed to protect the privacy of the people providing the information reported. Thus, given the constraints of the data analyzed we used a hierarchical approach to reporting.*

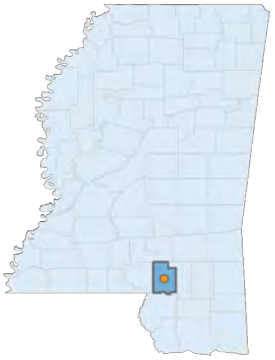
Data Sources:

- *Population Characteristics: The U.S. Census Bureau (American Community Survey 2016-2020) & Robert Wood Johnson Foundation (2020).*
- *COVID-19: Mississippi State Department of Health (MSDH; 2022).*
- *Wellness, Falls, Prevention: The Behavioral Risk Factor Surveillance System (BRFSS; 2013-2020), & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Chronic Disease: The Centers for Medicare and Medicaid Services (CMS) Select Chronic Conditions Database (2018).*
- *Nutrition/Diet, Oral Health: BRFSS (2013-2020) & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Behavioral Health, Mental Health: BRFSS (2013-2020), CMS (2018), & MSDH (2022).*
- *Living with Disability: ACS (2016-2020).*
- *Caregiving: ACS (2016-2020).*
- *Access to Care: BRFSS (2013-2020), CMS (2018), National Adult Day Service Association (June 2022), Community Health Center (Association of Mississippi; June 2022).*
- *Community: Environmental Protection Agency (EPA, 2020), BRFSS (2013-2020), ACS (2016-2020), AARP, & State of Mississippi (May 2022).*
- *Safety & Crime: CDC WONDER (2016-2020).*
- *Transportation: BRFSS (2013-2020), ACS (2016-2020), & Fatality Analysis Reporting System (FARS; 2016-2020).*
- *Housing & Economic: ACS (2016-2020).*
- *Elder Index: Center for Social and Demographic Research on Aging at the University of Massachusetts Boston (2022).*

Acknowledgments: Many people contributed to the MS Healthy Aging Data Report research. The University of Massachusetts Boston Gerontology Institute 2022 research team: Beth Dugan PhD, Nina Silverstein PhD, Chae Man Lee PhD, Taylor Jansen MS, Shu Xu MS, & Yanjhu Su MS. Dr. Kina White from the Mississippi State Department of Health provided important guidance and leadership.

Questions? Beth.Dugan@umb.edu

Lamar



POPULATION CHARACTERISTICS	County rate is significantly different than State rate	COUNTY ESTIMATE	STATE ESTIMATE
Total population all ages		62,693	2,981,835
Population 60 years or older as % of total population		19.5%	22.3%
Total population 60 years or older		12,247	663,581
Population 65 years or older as % of total population		13.6%	15.9%
Total population 65 years or older		8,525	474,270
% 65-74 years		59.0%	59.7%
% 75-84 years		30.6%	29.4%
% 85 years or older		10.5%	10.1%
% 65+ population who are female		56.0%	56.5%
% 85+ population who are female		62.0%	67.4%
Race and ethnicity of the population 65+			
% White	*	90.0%	70.9%
% African American	*	9.3%	26.9%
% Other race(s)		0.6%	2.2%
% Hispanic/Latino		0.1%	1.0%
Marital status of the population 65+			
% married	*	63.3%	53.1%
% divorced/separated		12.2%	14.5%
% widowed		21.8%	27.1%
% never married	*	2.7%	5.3%
Education of the population 65+			
% with less than high school education	*	11.5%	20.1%
% with high school or some college		58.2%	58.7%
% with college degree	*	17.2%	11.8%
% with graduate or professional degree	*	13.1%	9.4%
% of 65+ population who speak only English at home		98.5%	97.8%
% of 65+ population who are veterans of military service		18.4%	15.8%
Life expectancy at birth		78.8	74.6

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COVID-19			
Total COVID-19 cases since March 2020		17,393	797,161
COVID-19 mortality rate per 100,000 people		255.2	417.1
% of county received at least one vaccine dose		66.0%	53.7%
% of county fully vaccinated		61.0%	48.9%
WELLNESS			
% 60+ getting the recommended hours of sleep		61.1%	59.9%
% 60+ doing any physical activity within last month		62.4%	61.3%
% 60+ met CDC guidelines for muscle-strengthening activity		22.3%	19.0%
% 60+ met CDC guidelines for aerobic physical activity		44.9%	39.8%
% 60+ with fair or poor health status		25.7%	32.5%
% 60+ with 15+ physically unhealthy days in last month		16.3%	18.7%
FALLS			
% 60+ who fell within last year		31.5%	27.8%
% 60+ who were injured in a fall within last year		11.3%	10.6%
PREVENTION			
% 60+ with physical exam/check-up in last year		90.7%	89.0%
% 60+ had flu shot in last year		61.3%	57.6%
% 60+ had pneumonia vaccine		63.9%	58.9%
% 60+ had shingles vaccine	B	43.5%	24.4%
% 60+ women with a mammogram within last 2 years		77.1%	71.0%
% 60+ with colorectal cancer screening	B	69.1%	57.1%
% 60+ with HIV test		20.4%	20.8%
% 60+ met CDC preventive health screening goals	B	39.2%	26.2%
CHRONIC DISEASE			
% 65+ with Alzheimer’s disease or related dementias		12.0%	12.9%
% 65+ with arthritis		41.6%	39.8%
% 65+ with asthma		4.5%	3.7%
% 65+ with atrial fibrillation		8.8%	8.9%
% 65+ with cancer (breast, colorectal, lung, prostate)		10.7%	8.8%
% 65+ with chronic kidney disease		23.2%	25.3%
% 65+ with chronic obstructive pulmonary disease (COPD)		13.4%	12.6%
% 65+ with diabetes		27.5%	30.7%
% 65+ with high cholesterol		56.2%	48.9%
% 65+ with heart failure		12.4%	16.1%
% 65+ with hypertension		67.5%	67.9%
% 65+ with ischemic heart disease		38.2%	31.9%
% 65+ with osteoporosis		9.1%	6.4%
% 65+ with stroke		3.9%	4.4%

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
NUTRITION & DIET			
% 60+ with 5 or more servings of fruits or vegetables per day		10.1%	11.1%
% 60+ self-reported obese		34.0%	36.0%
% 60+ with cholesterol screening		94.1%	94.7%
ORAL HEALTH			
% 60+ with annual dental exam	B	67.8%	56.3%
# of dentists per 100,000 persons (all ages)		91.9	42.1
% 60+ with loss of 6 or more teeth		39.8%	45.8%
BEHAVIORAL HEALTH			
# of drug overdose deaths (all ages)		35	2,137
% 60+ current smokers		8.4%	13.1%
% 65+ with alcohol abuse disorder		0.8%	1.3%
% 65+ with drug abuse/substance abuse disorder		4.3%	2.6%
MENTAL HEALTH			
% 60+ with 15+ days poor mental health in last month		10.3%	9.8%
% 65+ with depression		20.1%	16.4%
% 65+ with schizophrenia & other psychotic disorder		1.5%	2.2%
LIVING WITH DISABILITY			
% 65+ with self-reported hearing difficulty		19.2%	15.5%
% 65+ with self-reported vision difficulty		12.3%	8.7%
% 65+ with self-reported cognition difficulty		11.1%	11.2%
% 65+ with self-reported ambulatory difficulty		23.9%	28.0%
% 65+ with self-reported self-care difficulty		7.7%	10.2%
% 65+ with self-reported independent living difficulty		14.4%	17.3%
CAREGIVING			
% of grandparents raising grandchildren		1.8%	2.4%
% of grandparents who live with grandchildren		3.8%	4.7%
ACCESS TO CARE			
% 60+ with a regular doctor		94.7%	92.0%
% 60+ who did not see a doctor when needed due to cost		9.0%	8.6%
# of primary care providers in county		69	3,571
# of rural health care centers in county		2	191
# of hospitals in county		2	101
# of home health agencies in county		0	45
# of nursing homes in county		1	204
# of community health centers in county		0	20
# of adult day health centers in county		0	8
# of hospice agencies in county		0	94

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COMMUNITY			
Particulate matter PM2.5		N/A	9.1
Ozone		N/A	0.361
Air pollution: annual # of unhealthy days for 65+		N/A	N/A
Age-friendly efforts in county		Not yet	Not yet
# of senior centers in county		4	115
% households that have smartphone (all ages)	*	10.8%	15.3%
% households without computer (all ages)	*	6.3%	13.5%
% households with access to Broadband (all ages)	*	84.3%	75.8%
% households without access to Internet (all ages)	*	15.7%	23.9%
Voter participation rate in 2020 presidential election (age 18+)		69.6%	61.2%
SAFETY & CRIME			
Homicide rate/100,000 persons		6.4	14.1
# firearm fatalities (all ages)		51	3,428
# 60+ deaths by suicide		10	562
TRANSPORTATION			
% 65+ who own a motor vehicle		95.2%	91.5%
% 60+ who always drive or ride wearing a seatbelt		92.2%	89.6%
# of fatal crashes involving adult age 60+		9	780
HOUSING			
% 65+ population who live alone	*	19.2%	28.1%
Average household size (all ages)	*	2.8	2.6
Median house value	*	$174,600	$125,500
% 60+ who own home		85.1%	82.7%
% 60+ homeowners who have mortgage		39.0%	32.1%
% 65+ households(renter) who spend >35% of income on housing		29.1%	33.5%
% 65+ households(owner) who spend >35% of income on housing	*	8.5%	15.2%
ECONOMIC			
% 60+ receiving food benefits in last year		9.0%	11.4%
% 65+ employed in last year		17.0%	15.6%
% 65+ with income below the poverty line in last year	*	6.5%	12.8%
65+ median household income	*	$52,644	$36,653
% 65+ households with annual income < $20,000		19.9%	27.4%
% 65+ households with annual income $20,000-$49,999	*	27.6%	35.5%
% 65+ households with annual income $50,000-$99,999		29.8%	24.6%
% 65+ households with annual income $100,000+	*	22.7%	12.5%

HEALTHY AGING INDICATORS	RATIO OF COUNTY TO STATE	$ COUNTY ESTIMATE	$ STATE ESTIMATE
Elder Index: COST OF LIVING			
Single, homeowner without mortgage, good health	1.00	$20,724	$20,760
Single, renter, good health	1.01	$24,096	$23,892
Couple, homeowner without mortgage, good health	0.99	$32,844	$33,264
Couple, renter, good health	1.00	$36,216	$36,396

TECHNICAL NOTES

**See our technical report for more information on data sources, measures, and methodology. For most indicators the county and state values are estimates derived from sample data. Thus, it is possible that some of the differences between state and county estimates may be due to chance associated with population sampling. We use the terms "Better" and "Worse" to highlight differences between county and state estimates that we are confident are not due to chance. "Better" is used where a higher/lower value has positive implications for the health of older residents. "Worse" is used where a higher/lower score has negative implications for the health of older people, and when the implication is unclear, we use an *. We balance two goals. First, we aim to report data at very local levels because we believe change is often locally driven. Second, we vowed to protect the privacy of the people providing the information reported. Thus, given the constraints of the data analyzed we used a hierarchical approach to reporting.*

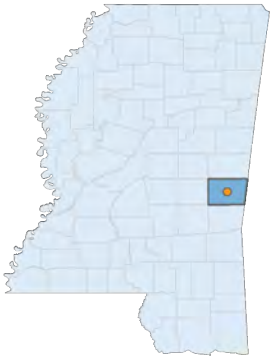
Data Sources:

- *Population Characteristics: The U.S. Census Bureau (American Community Survey 2016-2020) & Robert Wood Johnson Foundation (2020).*
- *COVID-19: Mississippi State Department of Health (MSDH; 2022).*
- *Wellness, Falls, Prevention: The Behavioral Risk Factor Surveillance System (BRFSS; 2013-2020), & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Chronic Disease: The Centers for Medicare and Medicaid Services (CMS) Select Chronic Conditions Database (2018).*
- *Nutrition/Diet, Oral Health: BRFSS (2013-2020) & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Behavioral Health, Mental Health: BRFSS (2013-2020), CMS (2018), & MSDH (2022).*
- *Living with Disability: ACS (2016-2020).*
- *Caregiving: ACS (2016-2020).*
- *Access to Care: BRFSS (2013-2020), CMS (2018), National Adult Day Service Association (June 2022), Community Health Center (Association of Mississippi; June 2022).*
- *Community: Environmental Protection Agency (EPA, 2020), BRFSS (2013-2020), ACS (2016-2020), AARP, & State of Mississippi (May 2022).*
- *Safety & Crime: CDC WONDER (2016-2020).*
- *Transportation: BRFSS (2013-2020), ACS (2016-2020), & Fatality Analysis Reporting System (FARS; 2016-2020).*
- *Housing & Economic: ACS (2016-2020).*
- *Elder Index: Center for Social and Demographic Research on Aging at the University of Massachusetts Boston (2022).*

Acknowledgments: Many people contributed to the MS Healthy Aging Data Report research. The University of Massachusetts Boston Gerontology Institute 2022 research team: Beth Dugan PhD, Nina Silverstein PhD, Chae Man Lee PhD, Taylor Jansen MS, Shu Xu MS, & Yanjhu Su MS. Dr. Kina White from the Mississippi State Department of Health provided important guidance and leadership.

Questions? Beth.Dugan@umb.edu

Lauderdale



POPULATION CHARACTERISTICS	County rate is significantly different than State rate	COUNTY ESTIMATE	STATE ESTIMATE
Total population all ages		75,557	2,981,835
Population 60 years or older as % of total population		23.6%	22.3%
Total population 60 years or older		17,869	663,581
Population 65 years or older as % of total population		17.2%	15.9%
Total population 65 years or older		12,976	474,270
% 65-74 years		57.6%	59.7%
% 75-84 years		28.9%	29.4%
% 85 years or older	*	13.5%	10.1%
% 65+ population who are female		57.6%	56.5%
% 85+ population who are female		71.5%	67.4%
Race and ethnicity of the population 65+			
% White		68.2%	70.9%
% African American	*	29.8%	26.9%
% Other race(s)		2.0%	2.2%
% Hispanic/Latino		1.1%	1.0%
Marital status of the population 65+			
% married		52.2%	53.1%
% divorced/separated		13.0%	14.5%
% widowed		28.9%	27.1%
% never married		5.8%	5.3%
Education of the population 65+			
% with less than high school education		19.9%	20.1%
% with high school or some college		61.6%	58.7%
% with college degree		10.0%	11.8%
% with graduate or professional degree		8.5%	9.4%
% of 65+ population who speak only English at home		98.3%	97.8%
% of 65+ population who are veterans of military service		16.1%	15.8%
Life expectancy at birth		75.2	74.6

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COVID-19			
Total COVID-19 cases since March 2020		18,841	797,161
COVID-19 mortality rate per 100,000 people		485.7	417.1
% of county received at least one vaccine dose		55.0%	53.7%
% of county fully vaccinated		50.0%	48.9%
WELLNESS			
% 60+ getting the recommended hours of sleep		58.5%	59.9%
% 60+ doing any physical activity within last month		64.5%	61.3%
% 60+ met CDC guidelines for muscle-strengthening activity		17.5%	19.0%
% 60+ met CDC guidelines for aerobic physical activity		35.8%	39.8%
% 60+ with fair or poor health status	B	25.7%	32.5%
% 60+ with 15+ physically unhealthy days in last month		16.7%	18.7%
FALLS			
% 60+ who fell within last year		27.0%	27.8%
% 60+ who were injured in a fall within last year		9.0%	10.6%
PREVENTION			
% 60+ with physical exam/check-up in last year		87.0%	89.0%
% 60+ had flu shot in last year		55.8%	57.6%
% 60+ had pneumonia vaccine		57.7%	58.9%
% 60+ had shingles vaccine		22.0%	24.4%
% 60+ women with a mammogram within last 2 years		71.8%	71.0%
% 60+ with colorectal cancer screening		49.1%	57.1%
% 60+ with HIV test		23.2%	20.8%
% 60+ met CDC preventive health screening goals		19.8%	26.2%
CHRONIC DISEASE			
% 65+ with Alzheimer’s disease or related dementias		16.8%	12.9%
% 65+ with arthritis		45.1%	39.8%
% 65+ with asthma		4.4%	3.7%
% 65+ with atrial fibrillation		9.8%	8.9%
% 65+ with cancer (breast, colorectal, lung, prostate)		8.9%	8.8%
% 65+ with chronic kidney disease		21.1%	25.3%
% 65+ with chronic obstructive pulmonary disease (COPD)		14.4%	12.6%
% 65+ with diabetes		29.3%	30.7%
% 65+ with high cholesterol		49.9%	48.9%
% 65+ with heart failure		13.1%	16.1%
% 65+ with hypertension		71.1%	67.9%
% 65+ with ischemic heart disease		27.2%	31.9%
% 65+ with osteoporosis		5.3%	6.4%
% 65+ with stroke		4.5%	4.4%

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
NUTRITION & DIET			
% 60+ with 5 or more servings of fruits or vegetables per day		11.8%	11.1%
% 60+ self-reported obese	B	28.7%	36.0%
% 60+ with cholesterol screening		96.0%	94.7%
ORAL HEALTH			
% 60+ with annual dental exam		58.0%	56.3%
# of dentists per 100,000 persons (all ages)		51.5	42.1
% 60+ with loss of 6 or more teeth		49.8%	45.8%
BEHAVIORAL HEALTH			
# of drug overdose deaths (all ages)		34	2,137
% 60+ current smokers		16.3%	13.1%
% 65+ with alcohol abuse disorder		1.4%	1.3%
% 65+ with drug abuse/substance abuse disorder		6.0%	2.6%
MENTAL HEALTH			
% 60+ with 15+ days poor mental health in last month		9.2%	9.8%
% 65+ with depression		18.9%	16.4%
% 65+ with schizophrenia & other psychotic disorder		3.1%	2.2%
LIVING WITH DISABILITY			
% 65+ with self-reported hearing difficulty		15.8%	15.5%
% 65+ with self-reported vision difficulty		10.1%	8.7%
% 65+ with self-reported cognition difficulty		11.1%	11.2%
% 65+ with self-reported ambulatory difficulty		28.2%	28.0%
% 65+ with self-reported self-care difficulty		9.1%	10.2%
% 65+ with self-reported independent living difficulty		18.4%	17.3%
CAREGIVING			
% of grandparents raising grandchildren		2.1%	2.4%
% of grandparents who live with grandchildren	*	3.4%	4.7%
ACCESS TO CARE			
% 60+ with a regular doctor		91.3%	92.0%
% 60+ who did not see a doctor when needed due to cost		8.5%	8.6%
# of primary care providers in county		85	3,571
# of rural health care centers in county		12	191
# of hospitals in county		4	101
# of home health agencies in county		2	45
# of nursing homes in county		9	204
# of community health centers in county		1	20
# of adult day health centers in county		1	8
# of hospice agencies in county		1	94

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COMMUNITY			
Particulate matter PM2.5		N/A	9.1
Ozone		0.033	0.361
Air pollution: annual # of unhealthy days for 65+		0	N/A
Age-friendly efforts in county		Not yet	Not yet
# of senior centers in county		4	115
% households that have smartphone (all ages)		14.6%	15.3%
% households without computer (all ages)		13.0%	13.5%
% households with access to Broadband (all ages)		77.3%	75.8%
% households without access to Internet (all ages)		22.4%	23.9%
Voter participation rate in 2020 presidential election (age 18+)		64.3%	61.2%
SAFETY & CRIME			
Homicide rate/100,000 persons		20.2	14.1
# firearm fatalities (all ages)		98	3,428
# 60+ deaths by suicide		0	562
TRANSPORTATION			
% 65+ who own a motor vehicle		87.2%	91.5%
% 60+ who always drive or ride wearing a seatbelt	B	93.9%	89.6%
# of fatal crashes involving adult age 60+		26	780
HOUSING			
% 65+ population who live alone		28.6%	28.1%
Average household size (all ages)	*	2.4	2.6
Median house value	*	$103,600	$125,500
% 60+ who own home	*	78.6%	82.7%
% 60+ homeowners who have mortgage		29.4%	32.1%
% 65+ households(renter) who spend >35% of income on housing		43.9%	33.5%
% 65+ households(owner) who spend >35% of income on housing		13.8%	15.2%
ECONOMIC			
% 60+ receiving food benefits in last year		12.6%	11.4%
% 65+ employed in last year		13.6%	15.6%
% 65+ with income below the poverty line in last year		16.1%	12.8%
65+ median household income		$32,538	$36,653
% 65+ households with annual income < $20,000		31.2%	27.4%
% 65+ households with annual income $20,000-$49,999		32.9%	35.5%
% 65+ households with annual income $50,000-$99,999		24.0%	24.6%
% 65+ households with annual income $100,000+		11.9%	12.5%

HEALTHY AGING INDICATORS	RATIO OF COUNTY TO STATE	$ COUNTY ESTIMATE	$ STATE ESTIMATE
Elder Index: COST OF LIVING			
Single, homeowner without mortgage, good health	1.04	$21,612	$20,760
Single, renter, good health	1.02	$24,456	$23,892
Couple, homeowner without mortgage, good health	1.05	$34,932	$33,264
Couple, renter, good health	1.04	$37,776	$36,396

TECHNICAL NOTES

**See our technical report for more information on data sources, measures, and methodology. For most indicators the county and state values are estimates derived from sample data. Thus, it is possible that some of the differences between state and county estimates may be due to chance associated with population sampling. We use the terms "Better" and "Worse" to highlight differences between county and state estimates that we are confident are not due to chance. "Better" is used where a higher/lower value has positive implications for the health of older residents. "Worse" is used where a higher/lower score has negative implications for the health of older people, and when the implication is unclear, we use an *. We balance two goals. First, we aim to report data at very local levels because we believe change is often locally driven. Second, we vowed to protect the privacy of the people providing the information reported. Thus, given the constraints of the data analyzed we used a hierarchical approach to reporting.*

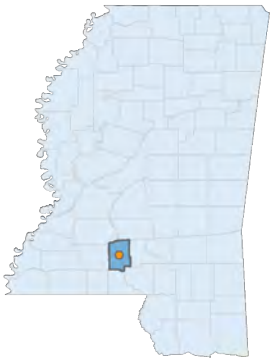
Data Sources:

- *Population Characteristics: The U.S. Census Bureau (American Community Survey 2016-2020) & Robert Wood Johnson Foundation (2020).*
- *COVID-19: Mississippi State Department of Health (MSDH; 2022).*
- *Wellness, Falls, Prevention: The Behavioral Risk Factor Surveillance System (BRFSS; 2013-2020), & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Chronic Disease: The Centers for Medicare and Medicaid Services (CMS) Select Chronic Conditions Database (2018).*
- *Nutrition/Diet, Oral Health: BRFSS (2013-2020) & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Behavioral Health, Mental Health: BRFSS (2013-2020), CMS (2018), & MSDH (2022).*
- *Living with Disability: ACS (2016-2020).*
- *Caregiving: ACS (2016-2020).*
- *Access to Care: BRFSS (2013-2020), CMS (2018), National Adult Day Service Association (June 2022), Community Health Center (Association of Mississippi; June 2022).*
- *Community: Environmental Protection Agency (EPA, 2020), BRFSS (2013-2020), ACS (2016-2020), AARP, & State of Mississippi (May 2022).*
- *Safety & Crime: CDC WONDER (2016-2020).*
- *Transportation: BRFSS (2013-2020), ACS (2016-2020), & Fatality Analysis Reporting System (FARS; 2016-2020).*
- *Housing & Economic: ACS (2016-2020).*
- *Elder Index: Center for Social and Demographic Research on Aging at the University of Massachusetts Boston (2022).*

Acknowledgments: Many people contributed to the MS Healthy Aging Data Report research. The University of Massachusetts Boston Gerontology Institute 2022 research team: Beth Dugan PhD, Nina Silverstein PhD, Chae Man Lee PhD, Taylor Jansen MS, Shu Xu MS, & Yanjhu Su MS. Dr. Kina White from the Mississippi State Department of Health provided important guidance and leadership.

Questions? Beth.Dugan@umb.edu

Lawrence



POPULATION CHARACTERISTICS	County rate is significantly different than State rate	COUNTY ESTIMATE	STATE ESTIMATE
Total population all ages		12,595	2,981,835
Population 60 years or older as % of total population		24.9%	22.3%
Total population 60 years or older		3,131	663,581
Population 65 years or older as % of total population		17.9%	15.9%
Total population 65 years or older		2,250	474,270
% 65-74 years		58.6%	59.7%
% 75-84 years		30.5%	29.4%
% 85 years or older		10.9%	10.1%
% 65+ population who are female		54.8%	56.5%
% 85+ population who are female		63.4%	67.4%
Race and ethnicity of the population 65+			
% White		73.1%	70.9%
% African American		26.5%	26.9%
% Other race(s)		0.4%	2.2%
% Hispanic/Latino		0.0%	1.0%
Marital status of the population 65+			
% married	*	58.8%	53.1%
% divorced/separated		12.6%	14.5%
% widowed		27.1%	27.1%
% never married	*	1.6%	5.3%
Education of the population 65+			
% with less than high school education		25.9%	20.1%
% with high school or some college		56.3%	58.7%
% with college degree	*	8.1%	11.8%
% with graduate or professional degree		9.7%	9.4%
% of 65+ population who speak only English at home		99.6%	97.8%
% of 65+ population who are veterans of military service		13.8%	15.8%
Life expectancy at birth		72.5	74.6

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COVID-19			
Total COVID-19 cases since March 2020		3,589	797,161
COVID-19 mortality rate per 100,000 people		444.6	417.1
% of county received at least one vaccine dose		61.0%	53.7%
% of county fully vaccinated		55.0%	48.9%
WELLNESS			
% 60+ getting the recommended hours of sleep		54.6%	59.9%
% 60+ doing any physical activity within last month		52.7%	61.3%
% 60+ met CDC guidelines for muscle-strengthening activity		13.4%	19.0%
% 60+ met CDC guidelines for aerobic physical activity		36.2%	39.8%
% 60+ with fair or poor health status		33.8%	32.5%
% 60+ with 15+ physically unhealthy days in last month		22.1%	18.7%
FALLS			
% 60+ who fell within last year		35.2%	27.8%
% 60+ who were injured in a fall within last year		12.0%	10.6%
PREVENTION			
% 60+ with physical exam/check-up in last year		92.5%	89.0%
% 60+ had flu shot in last year		52.0%	57.6%
% 60+ had pneumonia vaccine		59.0%	58.9%
% 60+ had shingles vaccine		23.0%	24.4%
% 60+ women with a mammogram within last 2 years		65.2%	71.0%
% 60+ with colorectal cancer screening		52.9%	57.1%
% 60+ with HIV test		22.9%	20.8%
% 60+ met CDC preventive health screening goals		20.4%	26.2%
CHRONIC DISEASE			
% 65+ with Alzheimer’s disease or related dementias		13.2%	12.9%
% 65+ with arthritis		42.2%	39.8%
% 65+ with asthma		4.9%	3.7%
% 65+ with atrial fibrillation		9.6%	8.9%
% 65+ with cancer (breast, colorectal, lung, prostate)		8.0%	8.8%
% 65+ with chronic kidney disease		29.0%	25.3%
% 65+ with chronic obstructive pulmonary disease (COPD)		15.6%	12.6%
% 65+ with diabetes		35.3%	30.7%
% 65+ with high cholesterol		43.8%	48.9%
% 65+ with heart failure		27.4%	16.1%
% 65+ with hypertension		70.4%	67.9%
% 65+ with ischemic heart disease		39.0%	31.9%
% 65+ with osteoporosis		4.9%	6.4%
% 65+ with stroke		5.0%	4.4%

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
NUTRITION & DIET			
% 60+ with 5 or more servings of fruits or vegetables per day		9.7%	11.1%
% 60+ self-reported obese		34.8%	36.0%
% 60+ with cholesterol screening		92.5%	94.7%
ORAL HEALTH			
% 60+ with annual dental exam		49.1%	56.3%
# of dentists per 100,000 persons (all ages)		24.0	42.1
% 60+ with loss of 6 or more teeth		50.6%	45.8%
BEHAVIORAL HEALTH			
# of drug overdose deaths (all ages)		10	2,137
% 60+ current smokers		12.4%	13.1%
% 65+ with alcohol abuse disorder		0.8%	1.3%
% 65+ with drug abuse/substance abuse disorder		1.7%	2.6%
MENTAL HEALTH			
% 60+ with 15+ days poor mental health in last month		12.0%	9.8%
% 65+ with depression		21.5%	16.4%
% 65+ with schizophrenia & other psychotic disorder		2.2%	2.2%
LIVING WITH DISABILITY			
% 65+ with self-reported hearing difficulty		18.5%	15.5%
% 65+ with self-reported vision difficulty		10.3%	8.7%
% 65+ with self-reported cognition difficulty		12.0%	11.2%
% 65+ with self-reported ambulatory difficulty		24.6%	28.0%
% 65+ with self-reported self-care difficulty		10.9%	10.2%
% 65+ with self-reported independent living difficulty		22.9%	17.3%
CAREGIVING			
% of grandparents raising grandchildren		3.1%	2.4%
% of grandparents who live with grandchildren		5.1%	4.7%
ACCESS TO CARE			
% 60+ with a regular doctor		94.7%	92.0%
% 60+ who did not see a doctor when needed due to cost		9.8%	8.6%
# of primary care providers in county		4	3,571
# of rural health care centers in county		1	191
# of hospitals in county		1	101
# of home health agencies in county		0	45
# of nursing homes in county		1	204
# of community health centers in county		0	20
# of adult day health centers in county		0	8
# of hospice agencies in county		1	94

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COMMUNITY			
Particulate matter PM2.5		N/A	9.1
Ozone		N/A	0.361
Air pollution: annual # of unhealthy days for 65+		N/A	N/A
Age-friendly efforts in county		Not yet	Not yet
# of senior centers in county		2	115
% households that have smartphone (all ages)	*	24.1%	15.3%
% households without computer (all ages)	*	19.1%	13.5%
% households with access to Broadband (all ages)	*	48.0%	75.8%
% households without access to Internet (all ages)	*	51.8%	23.9%
Voter participation rate in 2020 presidential election (age 18+)		72.8%	61.2%
SAFETY & CRIME			
Homicide rate/100,000 persons		0.0	14.1
# firearm fatalities (all ages)		18	3,428
# 60+ deaths by suicide		0	562
TRANSPORTATION			
% 65+ who own a motor vehicle		94.2%	91.5%
% 60+ who always drive or ride wearing a seatbelt		91.8%	89.6%
# of fatal crashes involving adult age 60+		3	780
HOUSING			
% 65+ population who live alone		27.0%	28.1%
Average household size (all ages)		2.5	2.6
Median house value	*	$104,000	$125,500
% 60+ who own home	*	88.6%	82.7%
% 60+ homeowners who have mortgage	*	24.3%	32.1%
% 65+ households(renter) who spend >35% of income on housing		30.6%	33.5%
% 65+ households(owner) who spend >35% of income on housing		14.9%	15.2%
ECONOMIC			
% 60+ receiving food benefits in last year		15.5%	11.4%
% 65+ employed in last year		11.8%	15.6%
% 65+ with income below the poverty line in last year		13.2%	12.8%
65+ median household income		$34,240	$36,653
% 65+ households with annual income < $20,000		31.6%	27.4%
% 65+ households with annual income $20,000-$49,999		37.6%	35.5%
% 65+ households with annual income $50,000-$99,999		19.4%	24.6%
% 65+ households with annual income $100,000+		11.3%	12.5%

HEALTHY AGING INDICATORS	RATIO OF COUNTY TO STATE	$ COUNTY ESTIMATE	$ STATE ESTIMATE
Elder Index: COST OF LIVING			
Single, homeowner without mortgage, good health	1.04	$21,528	$20,760
Single, renter, good health	1.02	$24,408	$23,892
Couple, homeowner without mortgage, good health	1.05	$34,848	$33,264
Couple, renter, good health	1.04	$37,728	$36,396

TECHNICAL NOTES

**See our technical report for more information on data sources, measures, and methodology. For most indicators the county and state values are estimates derived from sample data. Thus, it is possible that some of the differences between state and county estimates may be due to chance associated with population sampling. We use the terms "Better" and "Worse" to highlight differences between county and state estimates that we are confident are not due to chance. "Better" is used where a higher/lower value has positive implications for the health of older residents. "Worse" is used where a higher/lower score has negative implications for the health of older people, and when the implication is unclear, we use an *. We balance two goals. First, we aim to report data at very local levels because we believe change is often locally driven. Second, we vowed to protect the privacy of the people providing the information reported. Thus, given the constraints of the data analyzed we used a hierarchical approach to reporting.*

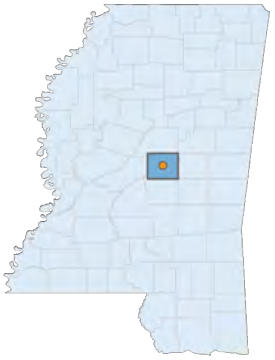
Data Sources:

- *Population Characteristics: The U.S. Census Bureau (American Community Survey 2016-2020) & Robert Wood Johnson Foundation (2020).*
- *COVID-19: Mississippi State Department of Health (MSDH; 2022).*
- *Wellness, Falls, Prevention: The Behavioral Risk Factor Surveillance System (BRFSS; 2013-2020), & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Chronic Disease: The Centers for Medicare and Medicaid Services (CMS) Select Chronic Conditions Database (2018).*
- *Nutrition/Diet, Oral Health: BRFSS (2013-2020) & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Behavioral Health, Mental Health: BRFSS (2013-2020), CMS (2018), & MSDH (2022).*
- *Living with Disability: ACS (2016-2020).*
- *Caregiving: ACS (2016-2020).*
- *Access to Care: BRFSS (2013-2020), CMS (2018), National Adult Day Service Association (June 2022), Community Health Center (Association of Mississippi; June 2022).*
- *Community: Environmental Protection Agency (EPA, 2020), BRFSS (2013-2020), ACS (2016-2020), AARP, & State of Mississippi (May 2022).*
- *Safety & Crime: CDC WONDER (2016-2020).*
- *Transportation: BRFSS (2013-2020), ACS (2016-2020), & Fatality Analysis Reporting System (FARS; 2016-2020).*
- *Housing & Economic: ACS (2016-2020).*
- *Elder Index: Center for Social and Demographic Research on Aging at the University of Massachusetts Boston (2022).*

Acknowledgments: Many people contributed to the MS Healthy Aging Data Report research. The University of Massachusetts Boston Gerontology Institute 2022 research team: Beth Dugan PhD, Nina Silverstein PhD, Chae Man Lee PhD, Taylor Jansen MS, Shu Xu MS, & Yanjhu Su MS. Dr. Kina White from the Mississippi State Department of Health provided important guidance and leadership.

Questions? Beth.Dugan@umb.edu

Leake



POPULATION CHARACTERISTICS	County rate is significantly different than State rate	COUNTY ESTIMATE	STATE ESTIMATE
Total population all ages		22,791	2,981,835
Population 60 years or older as % of total population		21.8%	22.3%
Total population 60 years or older		4,974	663,581
Population 65 years or older as % of total population		16.2%	15.9%
Total population 65 years or older		3,689	474,270
% 65-74 years		58.1%	59.7%
% 75-84 years		31.3%	29.4%
% 85 years or older		10.5%	10.1%
% 65+ population who are female		57.2%	56.5%
% 85+ population who are female		49.0%	67.4%
Race and ethnicity of the population 65+			
% White		65.9%	70.9%
% African American	*	31.4%	26.9%
% Other race(s)		2.7%	2.2%
% Hispanic/Latino		0.0%	1.0%
Marital status of the population 65+			
% married	*	40.6%	53.1%
% divorced/separated		15.8%	14.5%
% widowed	*	39.0%	27.1%
% never married		4.6%	5.3%
Education of the population 65+			
% with less than high school education	*	28.3%	20.1%
% with high school or some college		57.1%	58.7%
% with college degree		10.9%	11.8%
% with graduate or professional degree	*	3.7%	9.4%
% of 65+ population who speak only English at home		97.7%	97.8%
% of 65+ population who are veterans of military service		15.6%	15.8%
Life expectancy at birth		75.4	74.6

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COVID-19			
Total COVID-19 cases since March 2020		6,411	797,161
COVID-19 mortality rate per 100,000 people		526.5	417.1
% of county received at least one vaccine dose		51.0%	53.7%
% of county fully vaccinated		46.0%	48.9%
WELLNESS			
% 60+ getting the recommended hours of sleep		59.5%	59.9%
% 60+ doing any physical activity within last month		61.6%	61.3%
% 60+ met CDC guidelines for muscle-strengthening activity		13.6%	19.0%
% 60+ met CDC guidelines for aerobic physical activity		33.4%	39.8%
% 60+ with fair or poor health status		33.5%	32.5%
% 60+ with 15+ physically unhealthy days in last month		21.8%	18.7%
FALLS			
% 60+ who fell within last year		24.4%	27.8%
% 60+ who were injured in a fall within last year		9.0%	10.6%
PREVENTION			
% 60+ with physical exam/check-up in last year		87.9%	89.0%
% 60+ had flu shot in last year		56.3%	57.6%
% 60+ had pneumonia vaccine		58.0%	58.9%
% 60+ had shingles vaccine		24.5%	24.4%
% 60+ women with a mammogram within last 2 years		78.2%	71.0%
% 60+ with colorectal cancer screening	W	47.3%	57.1%
% 60+ with HIV test		18.3%	20.8%
% 60+ met CDC preventive health screening goals		24.4%	26.2%
CHRONIC DISEASE			
% 65+ with Alzheimer’s disease or related dementias		14.3%	12.9%
% 65+ with arthritis		43.6%	39.8%
% 65+ with asthma		3.2%	3.7%
% 65+ with atrial fibrillation		9.2%	8.9%
% 65+ with cancer (breast, colorectal, lung, prostate)		7.5%	8.8%
% 65+ with chronic kidney disease		23.6%	25.3%
% 65+ with chronic obstructive pulmonary disease (COPD)		12.5%	12.6%
% 65+ with diabetes		31.3%	30.7%
% 65+ with high cholesterol		36.3%	48.9%
% 65+ with heart failure		14.9%	16.1%
% 65+ with hypertension		66.0%	67.9%
% 65+ with ischemic heart disease		28.9%	31.9%
% 65+ with osteoporosis		5.1%	6.4%
% 65+ with stroke		5.4%	4.4%

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
NUTRITION & DIET			
% 60+ with 5 or more servings of fruits or vegetables per day		11.8%	11.1%
% 60+ self-reported obese	B	27.6%	36.0%
% 60+ with cholesterol screening		89.6%	94.7%
ORAL HEALTH			
% 60+ with annual dental exam	W	44.1%	56.3%
# of dentists per 100,000 persons (all ages)		17.6	42.1
% 60+ with loss of 6 or more teeth	W	57.2%	45.8%
BEHAVIORAL HEALTH			
# of drug overdose deaths (all ages)		10	2,137
% 60+ current smokers		19.6%	13.1%
% 65+ with alcohol abuse disorder		0.9%	1.3%
% 65+ with drug abuse/substance abuse disorder		1.7%	2.6%
MENTAL HEALTH			
% 60+ with 15+ days poor mental health in last month		9.2%	9.8%
% 65+ with depression		16.6%	16.4%
% 65+ with schizophrenia & other psychotic disorder		2.3%	2.2%
LIVING WITH DISABILITY			
% 65+ with self-reported hearing difficulty	*	24.4%	15.5%
% 65+ with self-reported vision difficulty	*	15.2%	8.7%
% 65+ with self-reported cognition difficulty	*	19.6%	11.2%
% 65+ with self-reported ambulatory difficulty	*	40.5%	28.0%
% 65+ with self-reported self-care difficulty		11.2%	10.2%
% 65+ with self-reported independent living difficulty	*	29.0%	17.3%
CAREGIVING			
% of grandparents raising grandchildren		1.5%	2.4%
% of grandparents who live with grandchildren		4.9%	4.7%
ACCESS TO CARE			
% 60+ with a regular doctor		92.3%	92.0%
% 60+ who did not see a doctor when needed due to cost		8.5%	8.6%
# of primary care providers in county		27	3,571
# of rural health care centers in county		3	191
# of hospitals in county		1	101
# of home health agencies in county		1	45
# of nursing homes in county		2	204
# of community health centers in county		0	20
# of adult day health centers in county		0	8
# of hospice agencies in county		1	94

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COMMUNITY			
Particulate matter PM2.5		N/A	9.1
Ozone		N/A	0.361
Air pollution: annual # of unhealthy days for 65+		N/A	N/A
Age-friendly efforts in county		Not yet	Not yet
# of senior centers in county		0	115
% households that have smartphone (all ages)	*	23.8%	15.3%
% households without computer (all ages)	*	21.8%	13.5%
% households with access to Broadband (all ages)	*	67.3%	75.8%
% households without access to Internet (all ages)	*	32.6%	23.9%
Voter participation rate in 2020 presidential election (age 18+)		60.7%	61.2%
SAFETY & CRIME			
Homicide rate/100,000 persons		17.6	14.1
# firearm fatalities (all ages)		30	3,428
# 60+ deaths by suicide		0	562
TRANSPORTATION			
% 65+ who own a motor vehicle	*	82.6%	91.5%
% 60+ who always drive or ride wearing a seatbelt		84.2%	89.6%
# of fatal crashes involving adult age 60+		7	780
HOUSING			
% 65+ population who live alone		34.9%	28.1%
Average household size (all ages)	*	2.7	2.6
Median house value	*	$86,200	$125,500
% 60+ who own home	*	90.1%	82.7%
% 60+ homeowners who have mortgage	*	20.4%	32.1%
% 65+ households(renter) who spend >35% of income on housing	*	11.5%	33.5%
% 65+ households(owner) who spend >35% of income on housing		15.7%	15.2%
ECONOMIC			
% 60+ receiving food benefits in last year		11.9%	11.4%
% 65+ employed in last year		15.1%	15.6%
% 65+ with income below the poverty line in last year	*	20.5%	12.8%
65+ median household income	*	$27,367	$36,653
% 65+ households with annual income < $20,000	*	39.8%	27.4%
% 65+ households with annual income $20,000-$49,999		31.7%	35.5%
% 65+ households with annual income $50,000-$99,999		21.4%	24.6%
% 65+ households with annual income $100,000+	*	7.1%	12.5%

HEALTHY AGING INDICATORS	RATIO OF COUNTY TO STATE	$ COUNTY ESTIMATE	$ STATE ESTIMATE
Elder Index: COST OF LIVING			
Single, homeowner without mortgage, good health	0.99	$20,544	$20,760
Single, renter, good health	0.93	$22,272	$23,892
Couple, homeowner without mortgage, good health	0.99	$32,772	$33,264
Couple, renter, good health	0.95	$34,500	$36,396

TECHNICAL NOTES

**See our technical report for more information on data sources, measures, and methodology. For most indicators the county and state values are estimates derived from sample data. Thus, it is possible that some of the differences between state and county estimates may be due to chance associated with population sampling. We use the terms "Better" and "Worse" to highlight differences between county and state estimates that we are confident are not due to chance. "Better" is used where a higher/lower value has positive implications for the health of older residents. "Worse" is used where a higher/lower score has negative implications for the health of older people, and when the implication is unclear, we use an *. We balance two goals. First, we aim to report data at very local levels because we believe change is often locally driven. Second, we vowed to protect the privacy of the people providing the information reported. Thus, given the constraints of the data analyzed we used a hierarchical approach to reporting.*

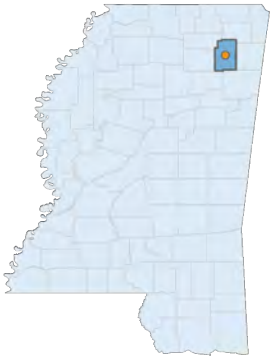
Data Sources:

- *Population Characteristics: The U.S. Census Bureau (American Community Survey 2016-2020) & Robert Wood Johnson Foundation (2020).*
- *COVID-19: Mississippi State Department of Health (MSDH; 2022).*
- *Wellness, Falls, Prevention: The Behavioral Risk Factor Surveillance System (BRFSS; 2013-2020), & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Chronic Disease: The Centers for Medicare and Medicaid Services (CMS) Select Chronic Conditions Database (2018).*
- *Nutrition/Diet, Oral Health: BRFSS (2013-2020) & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Behavioral Health, Mental Health: BRFSS (2013-2020), CMS (2018), & MSDH (2022).*
- *Living with Disability: ACS (2016-2020).*
- *Caregiving: ACS (2016-2020).*
- *Access to Care: BRFSS (2013-2020), CMS (2018), National Adult Day Service Association (June 2022), Community Health Center (Association of Mississippi; June 2022).*
- *Community: Environmental Protection Agency (EPA, 2020), BRFSS (2013-2020), ACS (2016-2020), AARP, & State of Mississippi (May 2022).*
- *Safety & Crime: CDC WONDER (2016-2020).*
- *Transportation: BRFSS (2013-2020), ACS (2016-2020), & Fatality Analysis Reporting System (FARS; 2016-2020).*
- *Housing & Economic: ACS (2016-2020).*
- *Elder Index: Center for Social and Demographic Research on Aging at the University of Massachusetts Boston (2022).*

Acknowledgments: Many people contributed to the MS Healthy Aging Data Report research. The University of Massachusetts Boston Gerontology Institute 2022 research team: Beth Dugan PhD, Nina Silverstein PhD, Chae Man Lee PhD, Taylor Jansen MS, Shu Xu MS, & Yanjhu Su MS. Dr. Kina White from the Mississippi State Department of Health provided important guidance and leadership.

Questions? Beth.Dugan@umb.edu

Lee



POPULATION CHARACTERISTICS	County rate is significantly different than State rate	COUNTY ESTIMATE	STATE ESTIMATE
Total population all ages		85,304	2,981,835
Population 60 years or older as % of total population		20.6%	22.3%
Total population 60 years or older		17,563	663,581
Population 65 years or older as % of total population		14.9%	15.9%
Total population 65 years or older		12,704	474,270
% 65-74 years		58.2%	59.7%
% 75-84 years	*	32.2%	29.4%
% 85 years or older		9.6%	10.1%
% 65+ population who are female		57.6%	56.5%
% 85+ population who are female		72.9%	67.4%
Race and ethnicity of the population 65+			
% White	*	81.1%	70.9%
% African American	*	17.1%	26.9%
% Other race(s)		1.7%	2.2%
% Hispanic/Latino		0.9%	1.0%
Marital status of the population 65+			
% married		53.1%	53.1%
% divorced/separated		17.3%	14.5%
% widowed		26.6%	27.1%
% never married	*	2.9%	5.3%
Education of the population 65+			
% with less than high school education		19.2%	20.1%
% with high school or some college		57.3%	58.7%
% with college degree		14.2%	11.8%
% with graduate or professional degree		9.3%	9.4%
% of 65+ population who speak only English at home		98.4%	97.8%
% of 65+ population who are veterans of military service		15.2%	15.8%
Life expectancy at birth		74.9	74.6

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COVID-19			
Total COVID-19 cases since March 2020		26,690	797,161
COVID-19 mortality rate per 100,000 people		352.9	417.1
% of county received at least one vaccine dose		48.0%	53.7%
% of county fully vaccinated		44.0%	48.9%
WELLNESS			
% 60+ getting the recommended hours of sleep		62.7%	59.9%
% 60+ doing any physical activity within last month		62.7%	61.3%
% 60+ met CDC guidelines for muscle-strengthening activity		19.7%	19.0%
% 60+ met CDC guidelines for aerobic physical activity		38.2%	39.8%
% 60+ with fair or poor health status		35.0%	32.5%
% 60+ with 15+ physically unhealthy days in last month		20.4%	18.7%
FALLS			
% 60+ who fell within last year		30.5%	27.8%
% 60+ who were injured in a fall within last year		12.2%	10.6%
PREVENTION			
% 60+ with physical exam/check-up in last year		89.0%	89.0%
% 60+ had flu shot in last year	B	65.3%	57.6%
% 60+ had pneumonia vaccine		59.6%	58.9%
% 60+ had shingles vaccine		22.3%	24.4%
% 60+ women with a mammogram within last 2 years		68.8%	71.0%
% 60+ with colorectal cancer screening		56.3%	57.1%
% 60+ with HIV test		16.6%	20.8%
% 60+ met CDC preventive health screening goals		27.0%	26.2%
CHRONIC DISEASE			
% 65+ with Alzheimer’s disease or related dementias		13.0%	12.9%
% 65+ with arthritis		39.8%	39.8%
% 65+ with asthma		3.6%	3.7%
% 65+ with atrial fibrillation		9.6%	8.9%
% 65+ with cancer (breast, colorectal, lung, prostate)		9.0%	8.8%
% 65+ with chronic kidney disease		24.2%	25.3%
% 65+ with chronic obstructive pulmonary disease (COPD)		12.6%	12.6%
% 65+ with diabetes		29.7%	30.7%
% 65+ with high cholesterol		54.7%	48.9%
% 65+ with heart failure		12.1%	16.1%
% 65+ with hypertension		68.4%	67.9%
% 65+ with ischemic heart disease		32.6%	31.9%
% 65+ with osteoporosis		8.5%	6.4%
% 65+ with stroke		3.6%	4.4%

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
NUTRITION & DIET			
% 60+ with 5 or more servings of fruits or vegetables per day		10.5%	11.1%
% 60+ self-reported obese		34.4%	36.0%
% 60+ with cholesterol screening		96.8%	94.7%
ORAL HEALTH			
% 60+ with annual dental exam		53.4%	56.3%
# of dentists per 100,000 persons (all ages)		58.5	42.1
% 60+ with loss of 6 or more teeth		46.3%	45.8%
BEHAVIORAL HEALTH			
# of drug overdose deaths (all ages)		64	2,137
% 60+ current smokers		13.5%	13.1%
% 65+ with alcohol abuse disorder		1.4%	1.3%
% 65+ with drug abuse/substance abuse disorder		2.6%	2.6%
MENTAL HEALTH			
% 60+ with 15+ days poor mental health in last month		9.8%	9.8%
% 65+ with depression		18.3%	16.4%
% 65+ with schizophrenia & other psychotic disorder		1.6%	2.2%
LIVING WITH DISABILITY			
% 65+ with self-reported hearing difficulty		18.3%	15.5%
% 65+ with self-reported vision difficulty		8.9%	8.7%
% 65+ with self-reported cognition difficulty		10.0%	11.2%
% 65+ with self-reported ambulatory difficulty		25.3%	28.0%
% 65+ with self-reported self-care difficulty		9.9%	10.2%
% 65+ with self-reported independent living difficulty		15.8%	17.3%
CAREGIVING			
% of grandparents raising grandchildren		2.1%	2.4%
% of grandparents who live with grandchildren	*	3.6%	4.7%
ACCESS TO CARE			
% 60+ with a regular doctor		92.0%	92.0%
% 60+ who did not see a doctor when needed due to cost		9.9%	8.6%
# of primary care providers in county		79	3,571
# of rural health care centers in county		7	191
# of hospitals in county		2	101
# of home health agencies in county		2	45
# of nursing homes in county		4	204
# of community health centers in county		0	20
# of adult day health centers in county		0	8
# of hospice agencies in county		5	94

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COMMUNITY			
Particulate matter PM2.5		N/A	9.1
Ozone		N/A	0.361
Air pollution: annual # of unhealthy days for 65+		0	N/A
Age-friendly efforts in county		Not yet	Not yet
# of senior centers in county		4	115
% households that have smartphone (all ages)		16.6%	15.3%
% households without computer (all ages)		14.1%	13.5%
% households with access to Broadband (all ages)		76.8%	75.8%
% households without access to Internet (all ages)		23.1%	23.9%
Voter participation rate in 2020 presidential election (age 18+)		65.3%	61.2%
SAFETY & CRIME			
Homicide rate/100,000 persons		12.0	14.1
# firearm fatalities (all ages)		88	3,428
# 60+ deaths by suicide		15	562
TRANSPORTATION			
% 65+ who own a motor vehicle		91.4%	91.5%
% 60+ who always drive or ride wearing a seatbelt		87.1%	89.6%
# of fatal crashes involving adult age 60+		28	780
HOUSING			
% 65+ population who live alone		25.8%	28.1%
Average household size (all ages)		2.7	2.6
Median house value	*	$140,600	$125,500
% 60+ who own home	*	81.2%	82.7%
% 60+ homeowners who have mortgage		37.0%	32.1%
% 65+ households(renter) who spend >35% of income on housing		40.1%	33.5%
% 65+ households(owner) who spend >35% of income on housing		14.7%	15.2%
ECONOMIC			
% 60+ receiving food benefits in last year	*	5.2%	11.4%
% 65+ employed in last year		14.1%	15.6%
% 65+ with income below the poverty line in last year		10.5%	12.8%
65+ median household income		$37,394	$36,653
% 65+ households with annual income < $20,000		24.8%	27.4%
% 65+ households with annual income $20,000-$49,999		36.5%	35.5%
% 65+ households with annual income $50,000-$99,999		27.4%	24.6%
% 65+ households with annual income $100,000+		11.3%	12.5%

HEALTHY AGING INDICATORS	RATIO OF COUNTY TO STATE	$ COUNTY ESTIMATE	$ STATE ESTIMATE
Elder Index: COST OF LIVING			
Single, homeowner without mortgage, good health	1.03	$21,324	$20,760
Single, renter, good health	1.01	$24,024	$23,892
Couple, homeowner without mortgage, good health	1.04	$34,644	$33,264
Couple, renter, good health	1.03	$37,344	$36,396

TECHNICAL NOTES

**See our technical report for more information on data sources, measures, and methodology. For most indicators the county and state values are estimates derived from sample data. Thus, it is possible that some of the differences between state and county estimates may be due to chance associated with population sampling. We use the terms "Better" and "Worse" to highlight differences between county and state estimates that we are confident are not due to chance. "Better" is used where a higher/lower value has positive implications for the health of older residents. "Worse" is used where a higher/lower score has negative implications for the health of older people, and when the implication is unclear, we use an *. We balance two goals. First, we aim to report data at very local levels because we believe change is often locally driven. Second, we vowed to protect the privacy of the people providing the information reported. Thus, given the constraints of the data analyzed we used a hierarchical approach to reporting.*

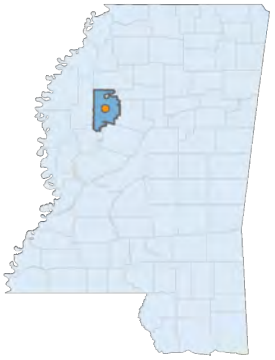
Data Sources:

- *Population Characteristics: The U.S. Census Bureau (American Community Survey 2016-2020) & Robert Wood Johnson Foundation (2020).*
- *COVID-19: Mississippi State Department of Health (MSDH; 2022).*
- *Wellness, Falls, Prevention: The Behavioral Risk Factor Surveillance System (BRFSS; 2013-2020), & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Chronic Disease: The Centers for Medicare and Medicaid Services (CMS) Select Chronic Conditions Database (2018).*
- *Nutrition/Diet, Oral Health: BRFSS (2013-2020) & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Behavioral Health, Mental Health: BRFSS (2013-2020), CMS (2018), & MSDH (2022).*
- *Living with Disability: ACS (2016-2020).*
- *Caregiving: ACS (2016-2020).*
- *Access to Care: BRFSS (2013-2020), CMS (2018), National Adult Day Service Association (June 2022), Community Health Center (Association of Mississippi; June 2022).*
- *Community: Environmental Protection Agency (EPA, 2020), BRFSS (2013-2020), ACS (2016-2020), AARP, & State of Mississippi (May 2022).*
- *Safety & Crime: CDC WONDER (2016-2020).*
- *Transportation: BRFSS (2013-2020), ACS (2016-2020), & Fatality Analysis Reporting System (FARS; 2016-2020).*
- *Housing & Economic: ACS (2016-2020).*
- *Elder Index: Center for Social and Demographic Research on Aging at the University of Massachusetts Boston (2022).*

Acknowledgments: Many people contributed to the MS Healthy Aging Data Report research. The University of Massachusetts Boston Gerontology Institute 2022 research team: Beth Dugan PhD, Nina Silverstein PhD, Chae Man Lee PhD, Taylor Jansen MS, Shu Xu MS, & Yanjhu Su MS. Dr. Kina White from the Mississippi State Department of Health provided important guidance and leadership.

Questions? Beth.Dugan@umb.edu

Leflore



POPULATION CHARACTERISTICS	County rate is significantly different than State rate	COUNTY ESTIMATE	STATE ESTIMATE
Total population all ages		28,764	2,981,835
Population 60 years or older as % of total population		20.5%	22.3%
Total population 60 years or older		5,894	663,581
Population 65 years or older as % of total population		14.2%	15.9%
Total population 65 years or older		4,085	474,270
% 65-74 years		57.7%	59.7%
% 75-84 years		26.6%	29.4%
% 85 years or older	*	15.7%	10.1%
% 65+ population who are female		59.2%	56.5%
% 85+ population who are female		67.6%	67.4%
Race and ethnicity of the population 65+			
% White	*	40.9%	70.9%
% African American	*	59.0%	26.9%
% Other race(s)		0.1%	2.2%
% Hispanic/Latino		0.7%	1.0%
Marital status of the population 65+			
% married	*	37.1%	53.1%
% divorced/separated		14.8%	14.5%
% widowed	*	37.3%	27.1%
% never married	*	10.7%	5.3%
Education of the population 65+			
% with less than high school education	*	33.5%	20.1%
% with high school or some college	*	50.1%	58.7%
% with college degree		10.1%	11.8%
% with graduate or professional degree	*	6.3%	9.4%
% of 65+ population who speak only English at home		98.9%	97.8%
% of 65+ population who are veterans of military service	*	7.2%	15.8%
Life expectancy at birth		70.5	74.6

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COVID-19			
Total COVID-19 cases since March 2020		7,311	797,161
COVID-19 mortality rate per 100,000 people		587.5	417.1
% of county received at least one vaccine dose		69.0%	53.7%
% of county fully vaccinated		62.0%	48.9%
WELLNESS			
% 60+ getting the recommended hours of sleep		62.7%	59.9%
% 60+ doing any physical activity within last month		59.8%	61.3%
% 60+ met CDC guidelines for muscle-strengthening activity		18.6%	19.0%
% 60+ met CDC guidelines for aerobic physical activity		37.4%	39.8%
% 60+ with fair or poor health status		40.6%	32.5%
% 60+ with 15+ physically unhealthy days in last month		22.3%	18.7%
FALLS			
% 60+ who fell within last year		20.3%	27.8%
% 60+ who were injured in a fall within last year		9.4%	10.6%
PREVENTION			
% 60+ with physical exam/check-up in last year		88.9%	89.0%
% 60+ had flu shot in last year		51.2%	57.6%
% 60+ had pneumonia vaccine	W	45.9%	58.9%
% 60+ had shingles vaccine		20.5%	24.4%
% 60+ women with a mammogram within last 2 years		75.7%	71.0%
% 60+ with colorectal cancer screening		67.0%	57.1%
% 60+ with HIV test		19.6%	20.8%
% 60+ met CDC preventive health screening goals		27.8%	26.2%
CHRONIC DISEASE			
% 65+ with Alzheimer’s disease or related dementias		12.8%	12.9%
% 65+ with arthritis		40.0%	39.8%
% 65+ with asthma		3.3%	3.7%
% 65+ with atrial fibrillation		7.6%	8.9%
% 65+ with cancer (breast, colorectal, lung, prostate)		9.8%	8.8%
% 65+ with chronic kidney disease		27.3%	25.3%
% 65+ with chronic obstructive pulmonary disease (COPD)		12.6%	12.6%
% 65+ with diabetes		35.7%	30.7%
% 65+ with high cholesterol		38.6%	48.9%
% 65+ with heart failure		23.2%	16.1%
% 65+ with hypertension		76.6%	67.9%
% 65+ with ischemic heart disease		33.1%	31.9%
% 65+ with osteoporosis		3.8%	6.4%
% 65+ with stroke		5.8%	4.4%

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
NUTRITION & DIET			
% 60+ with 5 or more servings of fruits or vegetables per day		11.0%	11.1%
% 60+ self-reported obese		33.0%	36.0%
% 60+ with cholesterol screening		91.2%	94.7%
ORAL HEALTH			
% 60+ with annual dental exam		62.2%	56.3%
# of dentists per 100,000 persons (all ages)		32.3	42.1
% 60+ with loss of 6 or more teeth		54.8%	45.8%
BEHAVIORAL HEALTH			
# of drug overdose deaths (all ages)		12	2,137
% 60+ current smokers	B	7.6%	13.1%
% 65+ with alcohol abuse disorder		2.2%	1.3%
% 65+ with drug abuse/substance abuse disorder		1.7%	2.6%
MENTAL HEALTH			
% 60+ with 15+ days poor mental health in last month		9.2%	9.8%
% 65+ with depression		9.7%	16.4%
% 65+ with schizophrenia & other psychotic disorder		3.0%	2.2%
LIVING WITH DISABILITY			
% 65+ with self-reported hearing difficulty	*	6.7%	15.5%
% 65+ with self-reported vision difficulty		9.0%	8.7%
% 65+ with self-reported cognition difficulty		9.7%	11.2%
% 65+ with self-reported ambulatory difficulty		24.9%	28.0%
% 65+ with self-reported self-care difficulty		9.2%	10.2%
% 65+ with self-reported independent living difficulty		13.8%	17.3%
CAREGIVING			
% of grandparents raising grandchildren		2.1%	2.4%
% of grandparents who live with grandchildren		4.9%	4.7%
ACCESS TO CARE			
% 60+ with a regular doctor		95.0%	92.0%
% 60+ who did not see a doctor when needed due to cost		8.7%	8.6%
# of primary care providers in county		42	3,571
# of rural health care centers in county		5	191
# of hospitals in county		1	101
# of home health agencies in county		1	45
# of nursing homes in county		3	204
# of community health centers in county		0	20
# of adult day health centers in county		0	8
# of hospice agencies in county		1	94

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COMMUNITY			
Particulate matter PM2.5		N/A	9.1
Ozone		N/A	0.361
Air pollution: annual # of unhealthy days for 65+		N/A	N/A
Age-friendly efforts in county		Not yet	Not yet
# of senior centers in county		1	115
% households that have smartphone (all ages)	*	8.2%	15.3%
% households without computer (all ages)	*	30.7%	13.5%
% households with access to Broadband (all ages)	*	49.1%	75.8%
% households without access to Internet (all ages)	*	50.5%	23.9%
Voter participation rate in 2020 presidential election (age 18+)		41.8%	61.2%
SAFETY & CRIME			
Homicide rate/100,000 persons		41.0	14.1
# firearm fatalities (all ages)		69	3,428
# 60+ deaths by suicide		0	562
TRANSPORTATION			
% 65+ who own a motor vehicle	*	80.6%	91.5%
% 60+ who always drive or ride wearing a seatbelt		87.6%	89.6%
# of fatal crashes involving adult age 60+		3	780
HOUSING			
% 65+ population who live alone	*	35.6%	28.1%
Average household size (all ages)	*	2.8	2.6
Median house value	*	$86,000	$125,500
% 60+ who own home	*	70.8%	82.7%
% 60+ homeowners who have mortgage		31.9%	32.1%
% 65+ households(renter) who spend >35% of income on housing		34.4%	33.5%
% 65+ households(owner) who spend >35% of income on housing		20.1%	15.2%
ECONOMIC			
% 60+ receiving food benefits in last year	*	17.7%	11.4%
% 65+ employed in last year		13.3%	15.6%
% 65+ with income below the poverty line in last year	*	22.0%	12.8%
65+ median household income		$30,455	$36,653
% 65+ households with annual income < $20,000	*	38.8%	27.4%
% 65+ households with annual income $20,000-$49,999		31.8%	35.5%
% 65+ households with annual income $50,000-$99,999		20.8%	24.6%
% 65+ households with annual income $100,000+		8.6%	12.5%

HEALTHY AGING INDICATORS	RATIO OF COUNTY TO STATE	$ COUNTY ESTIMATE	$ STATE ESTIMATE
Elder Index: COST OF LIVING			
Single, homeowner without mortgage, good health	1.02	$21,252	$20,760
Single, renter, good health	0.98	$23,304	$23,892
Couple, homeowner without mortgage, good health	1.04	$34,572	$33,264
Couple, renter, good health	1.01	$36,624	$36,396

TECHNICAL NOTES

**See our technical report for more information on data sources, measures, and methodology. For most indicators the county and state values are estimates derived from sample data. Thus, it is possible that some of the differences between state and county estimates may be due to chance associated with population sampling. We use the terms "Better" and "Worse" to highlight differences between county and state estimates that we are confident are not due to chance. "Better" is used where a higher/lower value has positive implications for the health of older residents. "Worse" is used where a higher/lower score has negative implications for the health of older people, and when the implication is unclear, we use an *. We balance two goals. First, we aim to report data at very local levels because we believe change is often locally driven. Second, we vowed to protect the privacy of the people providing the information reported. Thus, given the constraints of the data analyzed we used a hierarchical approach to reporting.*

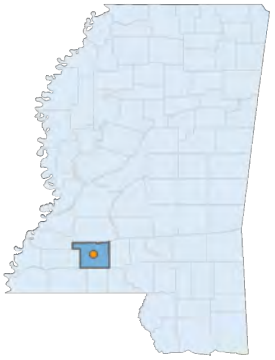
Data Sources:

- *Population Characteristics: The U.S. Census Bureau (American Community Survey 2016-2020) & Robert Wood Johnson Foundation (2020).*
- *COVID-19: Mississippi State Department of Health (MSDH; 2022).*
- *Wellness, Falls, Prevention: The Behavioral Risk Factor Surveillance System (BRFSS; 2013-2020), & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Chronic Disease: The Centers for Medicare and Medicaid Services (CMS) Select Chronic Conditions Database (2018).*
- *Nutrition/Diet, Oral Health: BRFSS (2013-2020) & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Behavioral Health, Mental Health: BRFSS (2013-2020), CMS (2018), & MSDH (2022).*
- *Living with Disability: ACS (2016-2020).*
- *Caregiving: ACS (2016-2020).*
- *Access to Care: BRFSS (2013-2020), CMS (2018), National Adult Day Service Association (June 2022), Community Health Center (Association of Mississippi; June 2022).*
- *Community: Environmental Protection Agency (EPA, 2020), BRFSS (2013-2020), ACS (2016-2020), AARP, & State of Mississippi (May 2022).*
- *Safety & Crime: CDC WONDER (2016-2020).*
- *Transportation: BRFSS (2013-2020), ACS (2016-2020), & Fatality Analysis Reporting System (FARS; 2016-2020).*
- *Housing & Economic: ACS (2016-2020).*
- *Elder Index: Center for Social and Demographic Research on Aging at the University of Massachusetts Boston (2022).*

Acknowledgments: Many people contributed to the MS Healthy Aging Data Report research. The University of Massachusetts Boston Gerontology Institute 2022 research team: Beth Dugan PhD, Nina Silverstein PhD, Chae Man Lee PhD, Taylor Jansen MS, Shu Xu MS, & Yanjhu Su MS. Dr. Kina White from the Mississippi State Department of Health provided important guidance and leadership.

Questions? Beth.Dugan@umb.edu

Lincoln



POPULATION CHARACTERISTICS	County rate is significantly different than State rate	COUNTY ESTIMATE	STATE ESTIMATE
Total population all ages		34,197	2,981,835
Population 60 years or older as % of total population		23.9%	22.3%
Total population 60 years or older		8,171	663,581
Population 65 years or older as % of total population		17.0%	15.9%
Total population 65 years or older		5,813	474,270
% 65-74 years		60.0%	59.7%
% 75-84 years		31.9%	29.4%
% 85 years or older		8.0%	10.1%
% 65+ population who are female		57.3%	56.5%
% 85+ population who are female		72.3%	67.4%
Race and ethnicity of the population 65+			
% White		76.8%	70.9%
% African American	*	22.7%	26.9%
% Other race(s)		0.5%	2.2%
% Hispanic/Latino		0.0%	1.0%
Marital status of the population 65+			
% married	*	58.0%	53.1%
% divorced/separated		11.5%	14.5%
% widowed		26.3%	27.1%
% never married		4.2%	5.3%
Education of the population 65+			
% with less than high school education		17.9%	20.1%
% with high school or some college	*	68.5%	58.7%
% with college degree	*	7.6%	11.8%
% with graduate or professional degree	*	6.0%	9.4%
% of 65+ population who speak only English at home		98.1%	97.8%
% of 65+ population who are veterans of military service	*	11.5%	15.8%
Life expectancy at birth		74.2	74.6

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COVID-19			
Total COVID-19 cases since March 2020		8,315	797,161
COVID-19 mortality rate per 100,000 people		459.1	417.1
% of county received at least one vaccine dose		43.0%	53.7%
% of county fully vaccinated		39.0%	48.9%
WELLNESS			
% 60+ getting the recommended hours of sleep		60.6%	59.9%
% 60+ doing any physical activity within last month		62.5%	61.3%
% 60+ met CDC guidelines for muscle-strengthening activity		15.6%	19.0%
% 60+ met CDC guidelines for aerobic physical activity		43.4%	39.8%
% 60+ with fair or poor health status		37.9%	32.5%
% 60+ with 15+ physically unhealthy days in last month		19.7%	18.7%
FALLS			
% 60+ who fell within last year		26.7%	27.8%
% 60+ who were injured in a fall within last year		12.0%	10.6%
PREVENTION			
% 60+ with physical exam/check-up in last year		89.7%	89.0%
% 60+ had flu shot in last year		55.5%	57.6%
% 60+ had pneumonia vaccine		60.2%	58.9%
% 60+ had shingles vaccine		21.6%	24.4%
% 60+ women with a mammogram within last 2 years		77.6%	71.0%
% 60+ with colorectal cancer screening		60.2%	57.1%
% 60+ with HIV test		23.6%	20.8%
% 60+ met CDC preventive health screening goals		33.5%	26.2%
CHRONIC DISEASE			
% 65+ with Alzheimer’s disease or related dementias		11.4%	12.9%
% 65+ with arthritis		43.2%	39.8%
% 65+ with asthma		4.6%	3.7%
% 65+ with atrial fibrillation		7.6%	8.9%
% 65+ with cancer (breast, colorectal, lung, prostate)		8.2%	8.8%
% 65+ with chronic kidney disease		28.7%	25.3%
% 65+ with chronic obstructive pulmonary disease (COPD)		11.6%	12.6%
% 65+ with diabetes		32.6%	30.7%
% 65+ with high cholesterol		51.9%	48.9%
% 65+ with heart failure		20.2%	16.1%
% 65+ with hypertension		68.5%	67.9%
% 65+ with ischemic heart disease		35.4%	31.9%
% 65+ with osteoporosis		6.8%	6.4%
% 65+ with stroke		4.7%	4.4%

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
NUTRITION & DIET			
% 60+ with 5 or more servings of fruits or vegetables per day		9.7%	11.1%
% 60+ self-reported obese		40.6%	36.0%
% 60+ with cholesterol screening		97.3%	94.7%
ORAL HEALTH			
% 60+ with annual dental exam		51.7%	56.3%
# of dentists per 100,000 persons (all ages)		35.4	42.1
% 60+ with loss of 6 or more teeth		41.0%	45.8%
BEHAVIORAL HEALTH			
# of drug overdose deaths (all ages)		19	2,137
% 60+ current smokers		11.4%	13.1%
% 65+ with alcohol abuse disorder		0.8%	1.3%
% 65+ with drug abuse/substance abuse disorder		1.4%	2.6%
MENTAL HEALTH			
% 60+ with 15+ days poor mental health in last month		12.0%	9.8%
% 65+ with depression		17.6%	16.4%
% 65+ with schizophrenia & other psychotic disorder		2.5%	2.2%
LIVING WITH DISABILITY			
% 65+ with self-reported hearing difficulty	*	9.2%	15.5%
% 65+ with self-reported vision difficulty		9.1%	8.7%
% 65+ with self-reported cognition difficulty		7.5%	11.2%
% 65+ with self-reported ambulatory difficulty		23.1%	28.0%
% 65+ with self-reported self-care difficulty		9.1%	10.2%
% 65+ with self-reported independent living difficulty		16.3%	17.3%
CAREGIVING			
% of grandparents raising grandchildren		3.0%	2.4%
% of grandparents who live with grandchildren		5.0%	4.7%
ACCESS TO CARE			
% 60+ with a regular doctor		89.3%	92.0%
% 60+ who did not see a doctor when needed due to cost		9.8%	8.6%
# of primary care providers in county		31	3,571
# of rural health care centers in county		0	191
# of hospitals in county		1	101
# of home health agencies in county		1	45
# of nursing homes in county		4	204
# of community health centers in county		0	20
# of adult day health centers in county		0	8
# of hospice agencies in county		3	94

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COMMUNITY			
Particulate matter PM2.5		N/A	9.1
Ozone		N/A	0.361
Air pollution: annual # of unhealthy days for 65+		N/A	N/A
Age-friendly efforts in county		Not yet	Not yet
# of senior centers in county		0	115
% households that have smartphone (all ages)		17.9%	15.3%
% households without computer (all ages)	*	18.4%	13.5%
% households with access to Broadband (all ages)	*	69.8%	75.8%
% households without access to Internet (all ages)	*	30.1%	23.9%
Voter participation rate in 2020 presidential election (age 18+)		72.4%	61.2%
SAFETY & CRIME			
Homicide rate/100,000 persons		21.0	14.1
# firearm fatalities (all ages)		51	3,428
# 60+ deaths by suicide		0	562
TRANSPORTATION			
% 65+ who own a motor vehicle		95.8%	91.5%
% 60+ who always drive or ride wearing a seatbelt		88.3%	89.6%
# of fatal crashes involving adult age 60+		15	780
HOUSING			
% 65+ population who live alone		24.2%	28.1%
Average household size (all ages)		2.5	2.6
Median house value	*	$105,100	$125,500
% 60+ who own home	*	88.7%	82.7%
% 60+ homeowners who have mortgage	*	17.3%	32.1%
% 65+ households(renter) who spend >35% of income on housing		23.6%	33.5%
% 65+ households(owner) who spend >35% of income on housing		13.4%	15.2%
ECONOMIC			
% 60+ receiving food benefits in last year		9.8%	11.4%
% 65+ employed in last year		12.8%	15.6%
% 65+ with income below the poverty line in last year	*	20.9%	12.8%
65+ median household income		$31,421	$36,653
% 65+ households with annual income < $20,000		33.3%	27.4%
% 65+ households with annual income $20,000-$49,999		33.3%	35.5%
% 65+ households with annual income $50,000-$99,999		21.1%	24.6%
% 65+ households with annual income $100,000+		12.3%	12.5%

HEALTHY AGING INDICATORS	RATIO OF COUNTY TO STATE	$ COUNTY ESTIMATE	$ STATE ESTIMATE
Elder Index: COST OF LIVING			
Single, homeowner without mortgage, good health	1.04	$21,528	$20,760
Single, renter, good health	0.98	$23,508	$23,892
Couple, homeowner without mortgage, good health	1.05	$34,848	$33,264
Couple, renter, good health	1.01	$36,828	$36,396

TECHNICAL NOTES

**See our technical report for more information on data sources, measures, and methodology. For most indicators the county and state values are estimates derived from sample data. Thus, it is possible that some of the differences between state and county estimates may be due to chance associated with population sampling. We use the terms "Better" and "Worse" to highlight differences between county and state estimates that we are confident are not due to chance. "Better" is used where a higher/lower value has positive implications for the health of older residents. "Worse" is used where a higher/lower score has negative implications for the health of older people, and when the implication is unclear, we use an *. We balance two goals. First, we aim to report data at very local levels because we believe change is often locally driven. Second, we vowed to protect the privacy of the people providing the information reported. Thus, given the constraints of the data analyzed we used a hierarchical approach to reporting.*

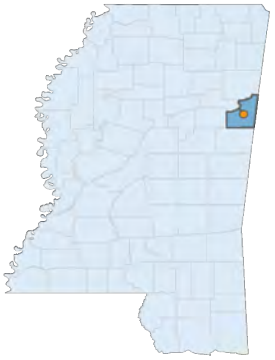
Data Sources:

- *Population Characteristics: The U.S. Census Bureau (American Community Survey 2016-2020) & Robert Wood Johnson Foundation (2020).*
- *COVID-19: Mississippi State Department of Health (MSDH; 2022).*
- *Wellness, Falls, Prevention: The Behavioral Risk Factor Surveillance System (BRFSS; 2013-2020), & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Chronic Disease: The Centers for Medicare and Medicaid Services (CMS) Select Chronic Conditions Database (2018).*
- *Nutrition/Diet, Oral Health: BRFSS (2013-2020) & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Behavioral Health, Mental Health: BRFSS (2013-2020), CMS (2018), & MSDH (2022).*
- *Living with Disability: ACS (2016-2020).*
- *Caregiving: ACS (2016-2020).*
- *Access to Care: BRFSS (2013-2020), CMS (2018), National Adult Day Service Association (June 2022), Community Health Center (Association of Mississippi; June 2022).*
- *Community: Environmental Protection Agency (EPA, 2020), BRFSS (2013-2020), ACS (2016-2020), AARP, & State of Mississippi (May 2022).*
- *Safety & Crime: CDC WONDER (2016-2020).*
- *Transportation: BRFSS (2013-2020), ACS (2016-2020), & Fatality Analysis Reporting System (FARS; 2016-2020).*
- *Housing & Economic: ACS (2016-2020).*
- *Elder Index: Center for Social and Demographic Research on Aging at the University of Massachusetts Boston (2022).*

Acknowledgments: Many people contributed to the MS Healthy Aging Data Report research. The University of Massachusetts Boston Gerontology Institute 2022 research team: Beth Dugan PhD, Nina Silverstein PhD, Chae Man Lee PhD, Taylor Jansen MS, Shu Xu MS, & Yanjhu Su MS. Dr. Kina White from the Mississippi State Department of Health provided important guidance and leadership.

Questions? Beth.Dugan@umb.edu

Lowndes



POPULATION CHARACTERISTICS	County rate is significantly different than State rate	COUNTY ESTIMATE	STATE ESTIMATE
Total population all ages		58,896	2,981,835
Population 60 years or older as % of total population		22.3%	22.3%
Total population 60 years or older		13,128	663,581
Population 65 years or older as % of total population		16.0%	15.9%
Total population 65 years or older		9,402	474,270
% 65-74 years		59.6%	59.7%
% 75-84 years		31.2%	29.4%
% 85 years or older		9.2%	10.1%
% 65+ population who are female		58.2%	56.5%
% 85+ population who are female		70.3%	67.4%
Race and ethnicity of the population 65+			
% White		65.8%	70.9%
% African American	*	31.6%	26.9%
% Other race(s)		2.6%	2.2%
% Hispanic/Latino		0.4%	1.0%
Marital status of the population 65+			
% married		50.4%	53.1%
% divorced/separated		12.9%	14.5%
% widowed		30.7%	27.1%
% never married		6.0%	5.3%
Education of the population 65+			
% with less than high school education		21.2%	20.1%
% with high school or some college		57.0%	58.7%
% with college degree		12.1%	11.8%
% with graduate or professional degree		9.8%	9.4%
% of 65+ population who speak only English at home		97.4%	97.8%
% of 65+ population who are veterans of military service		15.3%	15.8%
Life expectancy at birth		75.3	74.6

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COVID-19			
Total COVID-19 cases since March 2020		17,505	797,161
COVID-19 mortality rate per 100,000 people		402.4	417.1
% of county received at least one vaccine dose		52.0%	53.7%
% of county fully vaccinated		48.0%	48.9%
WELLNESS			
% 60+ getting the recommended hours of sleep		60.2%	59.9%
% 60+ doing any physical activity within last month		65.5%	61.3%
% 60+ met CDC guidelines for muscle-strengthening activity		20.8%	19.0%
% 60+ met CDC guidelines for aerobic physical activity		45.1%	39.8%
% 60+ with fair or poor health status		30.6%	32.5%
% 60+ with 15+ physically unhealthy days in last month		19.9%	18.7%
FALLS			
% 60+ who fell within last year		27.9%	27.8%
% 60+ who were injured in a fall within last year		9.3%	10.6%
PREVENTION			
% 60+ with physical exam/check-up in last year		93.4%	89.0%
% 60+ had flu shot in last year		56.6%	57.6%
% 60+ had pneumonia vaccine	W	49.7%	58.9%
% 60+ had shingles vaccine	W	12.7%	24.4%
% 60+ women with a mammogram within last 2 years		76.5%	71.0%
% 60+ with colorectal cancer screening		60.5%	57.1%
% 60+ with HIV test		18.9%	20.8%
% 60+ met CDC preventive health screening goals		30.1%	26.2%
CHRONIC DISEASE			
% 65+ with Alzheimer’s disease or related dementias		11.2%	12.9%
% 65+ with arthritis		41.6%	39.8%
% 65+ with asthma		3.7%	3.7%
% 65+ with atrial fibrillation		9.5%	8.9%
% 65+ with cancer (breast, colorectal, lung, prostate)		8.3%	8.8%
% 65+ with chronic kidney disease		26.8%	25.3%
% 65+ with chronic obstructive pulmonary disease (COPD)		12.0%	12.6%
% 65+ with diabetes		32.1%	30.7%
% 65+ with high cholesterol		54.7%	48.9%
% 65+ with heart failure		15.8%	16.1%
% 65+ with hypertension		71.0%	67.9%
% 65+ with ischemic heart disease		29.4%	31.9%
% 65+ with osteoporosis		6.2%	6.4%
% 65+ with stroke		3.8%	4.4%

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
NUTRITION & DIET			
% 60+ with 5 or more servings of fruits or vegetables per day		10.1%	11.1%
% 60+ self-reported obese		33.6%	36.0%
% 60+ with cholesterol screening		96.7%	94.7%
ORAL HEALTH			
% 60+ with annual dental exam	B	68.5%	56.3%
# of dentists per 100,000 persons (all ages)		48.0	42.1
% 60+ with loss of 6 or more teeth	B	31.0%	45.8%
BEHAVIORAL HEALTH			
# of drug overdose deaths (all ages)		29	2,137
% 60+ current smokers		14.3%	13.1%
% 65+ with alcohol abuse disorder		0.9%	1.3%
% 65+ with drug abuse/substance abuse disorder		1.5%	2.6%
MENTAL HEALTH			
% 60+ with 15+ days poor mental health in last month		8.3%	9.8%
% 65+ with depression		13.8%	16.4%
% 65+ with schizophrenia & other psychotic disorder		2.3%	2.2%
LIVING WITH DISABILITY			
% 65+ with self-reported hearing difficulty	*	11.6%	15.5%
% 65+ with self-reported vision difficulty	*	5.7%	8.7%
% 65+ with self-reported cognition difficulty	*	5.0%	11.2%
% 65+ with self-reported ambulatory difficulty	*	18.0%	28.0%
% 65+ with self-reported self-care difficulty	*	7.3%	10.2%
% 65+ with self-reported independent living difficulty	*	10.2%	17.3%
CAREGIVING			
% of grandparents raising grandchildren		2.0%	2.4%
% of grandparents who live with grandchildren		4.0%	4.7%
ACCESS TO CARE			
% 60+ with a regular doctor		92.0%	92.0%
% 60+ who did not see a doctor when needed due to cost		7.3%	8.6%
# of primary care providers in county		25	3,571
# of rural health care centers in county		0	191
# of hospitals in county		1	101
# of home health agencies in county		1	45
# of nursing homes in county		5	204
# of community health centers in county		0	20
# of adult day health centers in county		0	8
# of hospice agencies in county		1	94

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COMMUNITY			
Particulate matter PM2.5		N/A	9.1
Ozone		N/A	0.361
Air pollution: annual # of unhealthy days for 65+		N/A	N/A
Age-friendly efforts in county		Not yet	Not yet
# of senior centers in county		1	115
% households that have smartphone (all ages)		17.2%	15.3%
% households without computer (all ages)		13.6%	13.5%
% households with access to Broadband (all ages)	*	80.9%	75.8%
% households without access to Internet (all ages)	*	18.9%	23.9%
Voter participation rate in 2020 presidential election (age 18+)		61.4%	61.2%
SAFETY & CRIME			
Homicide rate/100,000 persons		10.5	14.1
# firearm fatalities (all ages)		61	3,428
# 60+ deaths by suicide		11	562
TRANSPORTATION			
% 65+ who own a motor vehicle		90.4%	91.5%
% 60+ who always drive or ride wearing a seatbelt		91.4%	89.6%
# of fatal crashes involving adult age 60+		9	780
HOUSING			
% 65+ population who live alone	*	36.8%	28.1%
Average household size (all ages)		2.5	2.6
Median house value	*	$136,300	$125,500
% 60+ who own home	*	78.4%	82.7%
% 60+ homeowners who have mortgage		36.9%	32.1%
% 65+ households(renter) who spend >35% of income on housing		42.5%	33.5%
% 65+ households(owner) who spend >35% of income on housing		19.0%	15.2%
ECONOMIC			
% 60+ receiving food benefits in last year		9.7%	11.4%
% 65+ employed in last year		17.0%	15.6%
% 65+ with income below the poverty line in last year		15.6%	12.8%
65+ median household income		$38,651	$36,653
% 65+ households with annual income < $20,000	*	36.7%	27.4%
% 65+ households with annual income $20,000-$49,999	*	23.1%	35.5%
% 65+ households with annual income $50,000-$99,999		27.8%	24.6%
% 65+ households with annual income $100,000+		12.4%	12.5%

HEALTHY AGING INDICATORS	RATIO OF COUNTY TO STATE	$ COUNTY ESTIMATE	$ STATE ESTIMATE
Elder Index: COST OF LIVING			
Single, homeowner without mortgage, good health	1.04	$21,648	$20,760
Single, renter, good health	1.00	$23,976	$23,892
Couple, homeowner without mortgage, good health	1.05	$34,968	$33,264
Couple, renter, good health	1.02	$37,296	$36,396

TECHNICAL NOTES

**See our technical report for more information on data sources, measures, and methodology. For most indicators the county and state values are estimates derived from sample data. Thus, it is possible that some of the differences between state and county estimates may be due to chance associated with population sampling. We use the terms "Better" and "Worse" to highlight differences between county and state estimates that we are confident are not due to chance. "Better" is used where a higher/lower value has positive implications for the health of older residents. "Worse" is used where a higher/lower score has negative implications for the health of older people, and when the implication is unclear, we use an *. We balance two goals. First, we aim to report data at very local levels because we believe change is often locally driven. Second, we vowed to protect the privacy of the people providing the information reported. Thus, given the constraints of the data analyzed we used a hierarchical approach to reporting.*

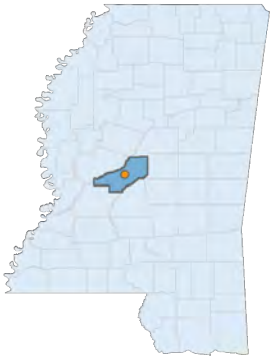
Data Sources:

- *Population Characteristics: The U.S. Census Bureau (American Community Survey 2016-2020) & Robert Wood Johnson Foundation (2020).*
- *COVID-19: Mississippi State Department of Health (MSDH; 2022).*
- *Wellness, Falls, Prevention: The Behavioral Risk Factor Surveillance System (BRFSS; 2013-2020), & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Chronic Disease: The Centers for Medicare and Medicaid Services (CMS) Select Chronic Conditions Database (2018).*
- *Nutrition/Diet, Oral Health: BRFSS (2013-2020) & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Behavioral Health, Mental Health: BRFSS (2013-2020), CMS (2018), & MSDH (2022).*
- *Living with Disability: ACS (2016-2020).*
- *Caregiving: ACS (2016-2020).*
- *Access to Care: BRFSS (2013-2020), CMS (2018), National Adult Day Service Association (June 2022), Community Health Center (Association of Mississippi; June 2022).*
- *Community: Environmental Protection Agency (EPA, 2020), BRFSS (2013-2020), ACS (2016-2020), AARP, & State of Mississippi (May 2022).*
- *Safety & Crime: CDC WONDER (2016-2020).*
- *Transportation: BRFSS (2013-2020), ACS (2016-2020), & Fatality Analysis Reporting System (FARS; 2016-2020).*
- *Housing & Economic: ACS (2016-2020).*
- *Elder Index: Center for Social and Demographic Research on Aging at the University of Massachusetts Boston (2022).*

Acknowledgments: Many people contributed to the MS Healthy Aging Data Report research. The University of Massachusetts Boston Gerontology Institute 2022 research team: Beth Dugan PhD, Nina Silverstein PhD, Chae Man Lee PhD, Taylor Jansen MS, Shu Xu MS, & Yanjhu Su MS. Dr. Kina White from the Mississippi State Department of Health provided important guidance and leadership.

Questions? Beth.Dugan@umb.edu

Madison



POPULATION CHARACTERISTICS	County rate is significantly different than State rate	COUNTY ESTIMATE	STATE ESTIMATE
Total population all ages		105,482	2,981,835
Population 60 years or older as % of total population		19.3%	22.3%
Total population 60 years or older		20,376	663,581
Population 65 years or older as % of total population		13.1%	15.9%
Total population 65 years or older		13,869	474,270
% 65-74 years	*	64.3%	59.7%
% 75-84 years	*	23.6%	29.4%
% 85 years or older		12.1%	10.1%
% 65+ population who are female		56.7%	56.5%
% 85+ population who are female	*	82.3%	67.4%
Race and ethnicity of the population 65+			
% White		70.8%	70.9%
% African American		27.0%	26.9%
% Other race(s)		2.2%	2.2%
% Hispanic/Latino	*	0.2%	1.0%
Marital status of the population 65+			
% married	*	57.6%	53.1%
% divorced/separated	*	11.0%	14.5%
% widowed		23.4%	27.1%
% never married		8.0%	5.3%
Education of the population 65+			
% with less than high school education	*	14.7%	20.1%
% with high school or some college	*	38.1%	58.7%
% with college degree	*	23.3%	11.8%
% with graduate or professional degree	*	23.9%	9.4%
% of 65+ population who speak only English at home		95.9%	97.8%
% of 65+ population who are veterans of military service	*	12.6%	15.8%
Life expectancy at birth		76.6	74.6

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COVID-19			
Total COVID-19 cases since March 2020		24,079	797,161
COVID-19 mortality rate per 100,000 people		311.9	417.1
% of county received at least one vaccine dose		69.0%	53.7%
% of county fully vaccinated		64.0%	48.9%
WELLNESS			
% 60+ getting the recommended hours of sleep		63.9%	59.9%
% 60+ doing any physical activity within last month		67.1%	61.3%
% 60+ met CDC guidelines for muscle-strengthening activity		22.4%	19.0%
% 60+ met CDC guidelines for aerobic physical activity		46.2%	39.8%
% 60+ with fair or poor health status	B	25.1%	32.5%
% 60+ with 15+ physically unhealthy days in last month		14.2%	18.7%
FALLS			
% 60+ who fell within last year		24.4%	27.8%
% 60+ who were injured in a fall within last year		10.1%	10.6%
PREVENTION			
% 60+ with physical exam/check-up in last year		89.1%	89.0%
% 60+ had flu shot in last year	B	67.2%	57.6%
% 60+ had pneumonia vaccine	B	67.2%	58.9%
% 60+ had shingles vaccine		32.3%	24.4%
% 60+ women with a mammogram within last 2 years		72.8%	71.0%
% 60+ with colorectal cancer screening		62.5%	57.1%
% 60+ with HIV test		19.7%	20.8%
% 60+ met CDC preventive health screening goals		33.0%	26.2%
CHRONIC DISEASE			
% 65+ with Alzheimer’s disease or related dementias		13.6%	12.9%
% 65+ with arthritis		38.4%	39.8%
% 65+ with asthma		3.6%	3.7%
% 65+ with atrial fibrillation		8.4%	8.9%
% 65+ with cancer (breast, colorectal, lung, prostate)		8.6%	8.8%
% 65+ with chronic kidney disease		19.4%	25.3%
% 65+ with chronic obstructive pulmonary disease (COPD)		7.8%	12.6%
% 65+ with diabetes		23.9%	30.7%
% 65+ with high cholesterol		42.8%	48.9%
% 65+ with heart failure		12.4%	16.1%
% 65+ with hypertension		59.9%	67.9%
% 65+ with ischemic heart disease		26.2%	31.9%
% 65+ with osteoporosis		6.9%	6.4%
% 65+ with stroke		4.6%	4.4%

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
NUTRITION & DIET			
% 60+ with 5 or more servings of fruits or vegetables per day		11.5%	11.1%
% 60+ self-reported obese	B	29.1%	36.0%
% 60+ with cholesterol screening		95.9%	94.7%
ORAL HEALTH			
% 60+ with annual dental exam	B	67.6%	56.3%
# of dentists per 100,000 persons (all ages)		111.3	42.1
% 60+ with loss of 6 or more teeth	B	33.0%	45.8%
BEHAVIORAL HEALTH			
# of drug overdose deaths (all ages)		31	2,137
% 60+ current smokers	B	8.1%	13.1%
% 65+ with alcohol abuse disorder		1.0%	1.3%
% 65+ with drug abuse/substance abuse disorder		1.9%	2.6%
MENTAL HEALTH			
% 60+ with 15+ days poor mental health in last month		9.5%	9.8%
% 65+ with depression		14.4%	16.4%
% 65+ with schizophrenia & other psychotic disorder		2.2%	2.2%
LIVING WITH DISABILITY			
% 65+ with self-reported hearing difficulty	*	10.4%	15.5%
% 65+ with self-reported vision difficulty		6.8%	8.7%
% 65+ with self-reported cognition difficulty	*	8.1%	11.2%
% 65+ with self-reported ambulatory difficulty	*	18.8%	28.0%
% 65+ with self-reported self-care difficulty	*	7.3%	10.2%
% 65+ with self-reported independent living difficulty	*	11.7%	17.3%
CAREGIVING			
% of grandparents raising grandchildren	*	1.2%	2.4%
% of grandparents who live with grandchildren	*	2.5%	4.7%
ACCESS TO CARE			
% 60+ with a regular doctor	B	95.1%	92.0%
% 60+ who did not see a doctor when needed due to cost		7.5%	8.6%
# of primary care providers in county		250	3,571
# of rural health care centers in county		2	191
# of hospitals in county		1	101
# of home health agencies in county		0	45
# of nursing homes in county		4	204
# of community health centers in county		2	20
# of adult day health centers in county		2	8
# of hospice agencies in county		3	94

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COMMUNITY			
Particulate matter PM2.5		N/A	9.1
Ozone		N/A	0.361
Air pollution: annual # of unhealthy days for 65+		N/A	N/A
Age-friendly efforts in county		Not yet	Not yet
# of senior centers in county		0	115
% households that have smartphone (all ages)	*	11.5%	15.3%
% households without computer (all ages)	*	5.9%	13.5%
% households with access to Broadband (all ages)	*	88.0%	75.8%
% households without access to Internet (all ages)	*	12.0%	23.9%
Voter participation rate in 2020 presidential election (age 18+)		64.1%	61.2%
SAFETY & CRIME			
Homicide rate/100,000 persons		9.8	14.1
# firearm fatalities (all ages)		93	3,428
# 60+ deaths by suicide		14	562
TRANSPORTATION			
% 65+ who own a motor vehicle		93.1%	91.5%
% 60+ who always drive or ride wearing a seatbelt	B	95.2%	89.6%
# of fatal crashes involving adult age 60+		11	780
HOUSING			
% 65+ population who live alone		26.9%	28.1%
Average household size (all ages)		2.6	2.6
Median house value	*	$224,300	$125,500
% 60+ who own home		82.1%	82.7%
% 60+ homeowners who have mortgage	*	50.7%	32.1%
% 65+ households(renter) who spend >35% of income on housing		47.8%	33.5%
% 65+ households(owner) who spend >35% of income on housing		17.0%	15.2%
ECONOMIC			
% 60+ receiving food benefits in last year	*	5.1%	11.4%
% 65+ employed in last year	*	20.4%	15.6%
% 65+ with income below the poverty line in last year		11.7%	12.8%
65+ median household income	*	$47,203	$36,653
% 65+ households with annual income < $20,000	*	18.9%	27.4%
% 65+ households with annual income $20,000-$49,999		32.9%	35.5%
% 65+ households with annual income $50,000-$99,999		25.9%	24.6%
% 65+ households with annual income $100,000+	*	22.3%	12.5%

HEALTHY AGING INDICATORS	RATIO OF COUNTY TO STATE	$ COUNTY ESTIMATE	$ STATE ESTIMATE
Elder Index: COST OF LIVING			
Single, homeowner without mortgage, good health	1.01	$20,892	$20,760
Single, renter, good health	1.04	$24,912	$23,892
Couple, homeowner without mortgage, good health	0.98	$32,736	$33,264
Couple, renter, good health	1.01	$36,756	$36,396

TECHNICAL NOTES

**See our technical report for more information on data sources, measures, and methodology. For most indicators the county and state values are estimates derived from sample data. Thus, it is possible that some of the differences between state and county estimates may be due to chance associated with population sampling. We use the terms "Better" and "Worse" to highlight differences between county and state estimates that we are confident are not due to chance. "Better" is used where a higher/lower value has positive implications for the health of older residents. "Worse" is used where a higher/lower score has negative implications for the health of older people, and when the implication is unclear, we use an *. We balance two goals. First, we aim to report data at very local levels because we believe change is often locally driven. Second, we vowed to protect the privacy of the people providing the information reported. Thus, given the constraints of the data analyzed we used a hierarchical approach to reporting.*

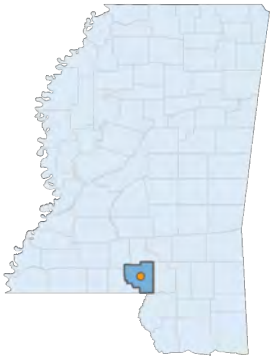
Data Sources:

- *Population Characteristics: The U.S. Census Bureau (American Community Survey 2016-2020) & Robert Wood Johnson Foundation (2020).*
- *COVID-19: Mississippi State Department of Health (MSDH; 2022).*
- *Wellness, Falls, Prevention: The Behavioral Risk Factor Surveillance System (BRFSS; 2013-2020), & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Chronic Disease: The Centers for Medicare and Medicaid Services (CMS) Select Chronic Conditions Database (2018).*
- *Nutrition/Diet, Oral Health: BRFSS (2013-2020) & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Behavioral Health, Mental Health: BRFSS (2013-2020), CMS (2018), & MSDH (2022).*
- *Living with Disability: ACS (2016-2020).*
- *Caregiving: ACS (2016-2020).*
- *Access to Care: BRFSS (2013-2020), CMS (2018), National Adult Day Service Association (June 2022), Community Health Center (Association of Mississippi; June 2022).*
- *Community: Environmental Protection Agency (EPA, 2020), BRFSS (2013-2020), ACS (2016-2020), AARP, & State of Mississippi (May 2022).*
- *Safety & Crime: CDC WONDER (2016-2020).*
- *Transportation: BRFSS (2013-2020), ACS (2016-2020), & Fatality Analysis Reporting System (FARS; 2016-2020).*
- *Housing & Economic: ACS (2016-2020).*
- *Elder Index: Center for Social and Demographic Research on Aging at the University of Massachusetts Boston (2022).*

Acknowledgments: Many people contributed to the MS Healthy Aging Data Report research. The University of Massachusetts Boston Gerontology Institute 2022 research team: Beth Dugan PhD, Nina Silverstein PhD, Chae Man Lee PhD, Taylor Jansen MS, Shu Xu MS, & Yanjhu Su MS. Dr. Kina White from the Mississippi State Department of Health provided important guidance and leadership.

Questions? Beth.Dugan@umb.edu

Marion



POPULATION CHARACTERISTICS	County rate is significantly different than State rate	COUNTY ESTIMATE	STATE ESTIMATE
Total population all ages		24,785	2,981,835
Population 60 years or older as % of total population		25.7%	22.3%
Total population 60 years or older		6,367	663,581
Population 65 years or older as % of total population		18.4%	15.9%
Total population 65 years or older		4,569	474,270
% 65-74 years		57.9%	59.7%
% 75-84 years		29.3%	29.4%
% 85 years or older		12.8%	10.1%
% 65+ population who are female		57.2%	56.5%
% 85+ population who are female		74.6%	67.4%
Race and ethnicity of the population 65+			
% White		74.0%	70.9%
% African American		24.6%	26.9%
% Other race(s)		1.4%	2.2%
% Hispanic/Latino		1.0%	1.0%
Marital status of the population 65+			
% married		49.0%	53.1%
% divorced/separated		14.0%	14.5%
% widowed		31.5%	27.1%
% never married		5.6%	5.3%
Education of the population 65+			
% with less than high school education		22.0%	20.1%
% with high school or some college		61.8%	58.7%
% with college degree		8.2%	11.8%
% with graduate or professional degree		8.0%	9.4%
% of 65+ population who speak only English at home		98.9%	97.8%
% of 65+ population who are veterans of military service		13.5%	15.8%
Life expectancy at birth		73.7	74.6

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COVID-19			
Total COVID-19 cases since March 2020		6,962	797,161
COVID-19 mortality rate per 100,000 people		544.7	417.1
% of county received at least one vaccine dose		50.0%	53.7%
% of county fully vaccinated		46.0%	48.9%
WELLNESS			
% 60+ getting the recommended hours of sleep		56.7%	59.9%
% 60+ doing any physical activity within last month	W	52.3%	61.3%
% 60+ met CDC guidelines for muscle-strengthening activity		14.6%	19.0%
% 60+ met CDC guidelines for aerobic physical activity		34.1%	39.8%
% 60+ with fair or poor health status		36.1%	32.5%
% 60+ with 15+ physically unhealthy days in last month		25.4%	18.7%
FALLS			
% 60+ who fell within last year		26.5%	27.8%
% 60+ who were injured in a fall within last year		11.3%	10.6%
PREVENTION			
% 60+ with physical exam/check-up in last year		90.7%	89.0%
% 60+ had flu shot in last year		52.0%	57.6%
% 60+ had pneumonia vaccine		54.3%	58.9%
% 60+ had shingles vaccine		17.4%	24.4%
% 60+ women with a mammogram within last 2 years		74.0%	71.0%
% 60+ with colorectal cancer screening		60.0%	57.1%
% 60+ with HIV test		21.7%	20.8%
% 60+ met CDC preventive health screening goals		28.3%	26.2%
CHRONIC DISEASE			
% 65+ with Alzheimer’s disease or related dementias		13.1%	12.9%
% 65+ with arthritis		53.4%	39.8%
% 65+ with asthma		6.0%	3.7%
% 65+ with atrial fibrillation		11.1%	8.9%
% 65+ with cancer (breast, colorectal, lung, prostate)		9.5%	8.8%
% 65+ with chronic kidney disease		28.5%	25.3%
% 65+ with chronic obstructive pulmonary disease (COPD)		15.1%	12.6%
% 65+ with diabetes		33.9%	30.7%
% 65+ with high cholesterol		52.2%	48.9%
% 65+ with heart failure		17.9%	16.1%
% 65+ with hypertension		76.0%	67.9%
% 65+ with ischemic heart disease		39.9%	31.9%
% 65+ with osteoporosis		7.8%	6.4%
% 65+ with stroke		4.5%	4.4%

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
NUTRITION & DIET			
% 60+ with 5 or more servings of fruits or vegetables per day		10.1%	11.1%
% 60+ self-reported obese		37.8%	36.0%
% 60+ with cholesterol screening		96.5%	94.7%
ORAL HEALTH			
% 60+ with annual dental exam		54.0%	56.3%
# of dentists per 100,000 persons (all ages)		16.4	42.1
% 60+ with loss of 6 or more teeth		49.4%	45.8%
BEHAVIORAL HEALTH			
# of drug overdose deaths (all ages)		31	2,137
% 60+ current smokers		13.1%	13.1%
% 65+ with alcohol abuse disorder		1.3%	1.3%
% 65+ with drug abuse/substance abuse disorder		2.8%	2.6%
MENTAL HEALTH			
% 60+ with 15+ days poor mental health in last month		10.3%	9.8%
% 65+ with depression		20.6%	16.4%
% 65+ with schizophrenia & other psychotic disorder		2.4%	2.2%
LIVING WITH DISABILITY			
% 65+ with self-reported hearing difficulty	*	26.7%	15.5%
% 65+ with self-reported vision difficulty		6.0%	8.7%
% 65+ with self-reported cognition difficulty		16.8%	11.2%
% 65+ with self-reported ambulatory difficulty	*	38.2%	28.0%
% 65+ with self-reported self-care difficulty	*	17.3%	10.2%
% 65+ with self-reported independent living difficulty	*	25.6%	17.3%
CAREGIVING			
% of grandparents raising grandchildren		3.0%	2.4%
% of grandparents who live with grandchildren		5.7%	4.7%
ACCESS TO CARE			
% 60+ with a regular doctor		91.1%	92.0%
% 60+ who did not see a doctor when needed due to cost		9.0%	8.6%
# of primary care providers in county		23	3,571
# of rural health care centers in county		2	191
# of hospitals in county		1	101
# of home health agencies in county		1	45
# of nursing homes in county		3	204
# of community health centers in county		0	20
# of adult day health centers in county		0	8
# of hospice agencies in county		0	94

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COMMUNITY			
Particulate matter PM2.5		N/A	9.1
Ozone		N/A	0.361
Air pollution: annual # of unhealthy days for 65+		N/A	N/A
Age-friendly efforts in county		Not yet	Not yet
# of senior centers in county		2	115
% households that have smartphone (all ages)		18.5%	15.3%
% households without computer (all ages)	*	18.9%	13.5%
% households with access to Broadband (all ages)	*	63.5%	75.8%
% households without access to Internet (all ages)	*	36.2%	23.9%
Voter participation rate in 2020 presidential election (age 18+)		68.5%	61.2%
SAFETY & CRIME			
Homicide rate/100,000 persons		12.1	14.1
# firearm fatalities (all ages)		30	3,428
# 60+ deaths by suicide		0	562
TRANSPORTATION			
% 65+ who own a motor vehicle		85.4%	91.5%
% 60+ who always drive or ride wearing a seatbelt		87.2%	89.6%
# of fatal crashes involving adult age 60+		4	780
HOUSING			
% 65+ population who live alone	*	38.3%	28.1%
Average household size (all ages)		2.5	2.6
Median house value	*	$94,300	$125,500
% 60+ who own home		84.5%	82.7%
% 60+ homeowners who have mortgage	*	19.8%	32.1%
% 65+ households(renter) who spend >35% of income on housing	*	19.7%	33.5%
% 65+ households(owner) who spend >35% of income on housing		21.6%	15.2%
ECONOMIC			
% 60+ receiving food benefits in last year		11.5%	11.4%
% 65+ employed in last year	*	11.5%	15.6%
% 65+ with income below the poverty line in last year		16.8%	12.8%
65+ median household income	*	$25,490	$36,653
% 65+ households with annual income < $20,000	*	39.0%	27.4%
% 65+ households with annual income $20,000-$49,999		41.8%	35.5%
% 65+ households with annual income $50,000-$99,999	*	13.4%	24.6%
% 65+ households with annual income $100,000+	*	5.9%	12.5%

HEALTHY AGING INDICATORS	RATIO OF COUNTY TO STATE	$ COUNTY ESTIMATE	$ STATE ESTIMATE
Elder Index: COST OF LIVING			
Single, homeowner without mortgage, good health	0.97	$20,148	$20,760
Single, renter, good health	0.95	$22,800	$23,892
Couple, homeowner without mortgage, good health	0.96	$31,920	$33,264
Couple, renter, good health	0.95	$34,572	$36,396

TECHNICAL NOTES

**See our technical report for more information on data sources, measures, and methodology. For most indicators the county and state values are estimates derived from sample data. Thus, it is possible that some of the differences between state and county estimates may be due to chance associated with population sampling. We use the terms "Better" and "Worse" to highlight differences between county and state estimates that we are confident are not due to chance. "Better" is used where a higher/lower value has positive implications for the health of older residents. "Worse" is used where a higher/lower score has negative implications for the health of older people, and when the implication is unclear, we use an *. We balance two goals. First, we aim to report data at very local levels because we believe change is often locally driven. Second, we vowed to protect the privacy of the people providing the information reported. Thus, given the constraints of the data analyzed we used a hierarchical approach to reporting.*

Data Sources:

- *Population Characteristics: The U.S. Census Bureau (American Community Survey 2016-2020) & Robert Wood Johnson Foundation (2020).*
- *COVID-19: Mississippi State Department of Health (MSDH; 2022).*
- *Wellness, Falls, Prevention: The Behavioral Risk Factor Surveillance System (BRFSS; 2013-2020), & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Chronic Disease: The Centers for Medicare and Medicaid Services (CMS) Select Chronic Conditions Database (2018).*
- *Nutrition/Diet, Oral Health: BRFSS (2013-2020) & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Behavioral Health, Mental Health: BRFSS (2013-2020), CMS (2018), & MSDH (2022).*
- *Living with Disability: ACS (2016-2020).*
- *Caregiving: ACS (2016-2020).*
- *Access to Care: BRFSS (2013-2020), CMS (2018), National Adult Day Service Association (June 2022), Community Health Center (Association of Mississippi; June 2022).*
- *Community: Environmental Protection Agency (EPA, 2020), BRFSS (2013-2020), ACS (2016-2020), AARP, & State of Mississippi (May 2022).*
- *Safety & Crime: CDC WONDER (2016-2020).*
- *Transportation: BRFSS (2013-2020), ACS (2016-2020), & Fatality Analysis Reporting System (FARS; 2016-2020).*
- *Housing & Economic: ACS (2016-2020).*
- *Elder Index: Center for Social and Demographic Research on Aging at the University of Massachusetts Boston (2022).*

Acknowledgments: Many people contributed to the MS Healthy Aging Data Report research. The University of Massachusetts Boston Gerontology Institute 2022 research team: Beth Dugan PhD, Nina Silverstein PhD, Chae Man Lee PhD, Taylor Jansen MS, Shu Xu MS, & Yanjhu Su MS. Dr. Kina White from the Mississippi State Department of Health provided important guidance and leadership.

Questions? Beth.Dugan@umb.edu

Marshall

POPULATION CHARACTERISTICS	County rate is significantly different than State rate	COUNTY ESTIMATE	STATE ESTIMATE
Total population all ages		35,502	2,981,835
Population 60 years or older as % of total population		24.2%	22.3%
Total population 60 years or older		8,607	663,581
Population 65 years or older as % of total population		17.4%	15.9%
Total population 65 years or older		6,194	474,270
% 65-74 years		63.6%	59.7%
% 75-84 years		31.4%	29.4%
% 85 years or older	*	5.0%	10.1%
% 65+ population who are female		56.1%	56.5%
% 85+ population who are female		66.1%	67.4%
Race and ethnicity of the population 65+			
% White	*	60.7%	70.9%
% African American	*	39.2%	26.9%
% Other race(s)		0.1%	2.2%
% Hispanic/Latino		1.5%	1.0%
Marital status of the population 65+			
% married	*	63.0%	53.1%
% divorced/separated	*	9.9%	14.5%
% widowed	*	20.4%	27.1%
% never married		6.7%	5.3%
Education of the population 65+			
% with less than high school education		19.6%	20.1%
% with high school or some college	*	65.6%	58.7%
% with college degree	*	8.4%	11.8%
% with graduate or professional degree		6.4%	9.4%
% of 65+ population who speak only English at home		97.7%	97.8%
% of 65+ population who are veterans of military service		15.1%	15.8%
Life expectancy at birth		74.3	74.6

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COVID-19			
Total COVID-19 cases since March 2020		9,916	797,161
COVID-19 mortality rate per 100,000 people		490.1	417.1
% of county received at least one vaccine dose		52.0%	53.7%
% of county fully vaccinated		46.0%	48.9%
WELLNESS			
% 60+ getting the recommended hours of sleep		54.0%	59.9%
% 60+ doing any physical activity within last month		66.2%	61.3%
% 60+ met CDC guidelines for muscle-strengthening activity		22.1%	19.0%
% 60+ met CDC guidelines for aerobic physical activity		40.9%	39.8%
% 60+ with fair or poor health status		33.2%	32.5%
% 60+ with 15+ physically unhealthy days in last month		14.8%	18.7%
FALLS			
% 60+ who fell within last year		21.6%	27.8%
% 60+ who were injured in a fall within last year		12.2%	10.6%
PREVENTION			
% 60+ with physical exam/check-up in last year		88.4%	89.0%
% 60+ had flu shot in last year		57.6%	57.6%
% 60+ had pneumonia vaccine		61.4%	58.9%
% 60+ had shingles vaccine		30.6%	24.4%
% 60+ women with a mammogram within last 2 years		70.2%	71.0%
% 60+ with colorectal cancer screening		63.0%	57.1%
% 60+ with HIV test		21.4%	20.8%
% 60+ met CDC preventive health screening goals		34.5%	26.2%
CHRONIC DISEASE			
% 65+ with Alzheimer’s disease or related dementias		12.2%	12.9%
% 65+ with arthritis		38.6%	39.8%
% 65+ with asthma		3.6%	3.7%
% 65+ with atrial fibrillation		9.1%	8.9%
% 65+ with cancer (breast, colorectal, lung, prostate)		9.7%	8.8%
% 65+ with chronic kidney disease		29.2%	25.3%
% 65+ with chronic obstructive pulmonary disease (COPD)		13.9%	12.6%
% 65+ with diabetes		32.2%	30.7%
% 65+ with high cholesterol		53.1%	48.9%
% 65+ with heart failure		18.2%	16.1%
% 65+ with hypertension		67.3%	67.9%
% 65+ with ischemic heart disease		31.6%	31.9%
% 65+ with osteoporosis		4.0%	6.4%
% 65+ with stroke		4.9%	4.4%

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
NUTRITION & DIET			
% 60+ with 5 or more servings of fruits or vegetables per day		10.5%	11.1%
% 60+ self-reported obese		38.1%	36.0%
% 60+ with cholesterol screening		97.3%	94.7%
ORAL HEALTH			
% 60+ with annual dental exam		56.7%	56.3%
# of dentists per 100,000 persons (all ages)		11.3	42.1
% 60+ with loss of 6 or more teeth		48.1%	45.8%
BEHAVIORAL HEALTH			
# of drug overdose deaths (all ages)		16	2,137
% 60+ current smokers		11.0%	13.1%
% 65+ with alcohol abuse disorder		1.5%	1.3%
% 65+ with drug abuse/substance abuse disorder		1.5%	2.6%
MENTAL HEALTH			
% 60+ with 15+ days poor mental health in last month		9.8%	9.8%
% 65+ with depression		17.3%	16.4%
% 65+ with schizophrenia & other psychotic disorder		1.6%	2.2%
LIVING WITH DISABILITY			
% 65+ with self-reported hearing difficulty		14.5%	15.5%
% 65+ with self-reported vision difficulty		10.6%	8.7%
% 65+ with self-reported cognition difficulty		16.4%	11.2%
% 65+ with self-reported ambulatory difficulty		26.2%	28.0%
% 65+ with self-reported self-care difficulty		14.2%	10.2%
% 65+ with self-reported independent living difficulty		21.8%	17.3%
CAREGIVING			
% of grandparents raising grandchildren		1.7%	2.4%
% of grandparents who live with grandchildren		5.3%	4.7%
ACCESS TO CARE			
% 60+ with a regular doctor		91.9%	92.0%
% 60+ who did not see a doctor when needed due to cost		9.9%	8.6%
# of primary care providers in county		21	3,571
# of rural health care centers in county		3	191
# of hospitals in county		1	101
# of home health agencies in county		0	45
# of nursing homes in county		2	204
# of community health centers in county		1	20
# of adult day health centers in county		0	8
# of hospice agencies in county		1	94

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COMMUNITY			
Particulate matter PM2.5		N/A	9.1
Ozone		N/A	0.361
Air pollution: annual # of unhealthy days for 65+		N/A	N/A
Age-friendly efforts in county		Yes	Not yet
# of senior centers in county		0	115
% households that have smartphone (all ages)	*	21.6%	15.3%
% households without computer (all ages)		12.6%	13.5%
% households with access to Broadband (all ages)		75.3%	75.8%
% households without access to Internet (all ages)		24.6%	23.9%
Voter participation rate in 2020 presidential election (age 18+)		61.9%	61.2%
SAFETY & CRIME			
Homicide rate/100,000 persons		16.3	14.1
# firearm fatalities (all ages)		51	3,428
# 60+ deaths by suicide		10	562
TRANSPORTATION			
% 65+ who own a motor vehicle		94.3%	91.5%
% 60+ who always drive or ride wearing a seatbelt		91.3%	89.6%
# of fatal crashes involving adult age 60+		11	780
HOUSING			
% 65+ population who live alone	*	21.2%	28.1%
Average household size (all ages)		2.5	2.6
Median house value		$123,700	$125,500
% 60+ who own home	*	86.8%	82.7%
% 60+ homeowners who have mortgage		31.0%	32.1%
% 65+ households(renter) who spend >35% of income on housing		17.5%	33.5%
% 65+ households(owner) who spend >35% of income on housing		14.6%	15.2%
ECONOMIC			
% 60+ receiving food benefits in last year		9.0%	11.4%
% 65+ employed in last year	*	21.8%	15.6%
% 65+ with income below the poverty line in last year		11.4%	12.8%
65+ median household income		$37,426	$36,653
% 65+ households with annual income < $20,000		21.1%	27.4%
% 65+ households with annual income $20,000-$49,999		39.5%	35.5%
% 65+ households with annual income $50,000-$99,999		22.2%	24.6%
% 65+ households with annual income $100,000+		17.2%	12.5%

HEALTHY AGING INDICATORS	RATIO OF COUNTY TO STATE	$ COUNTY ESTIMATE	$ STATE ESTIMATE
Elder Index: COST OF LIVING			
Single, homeowner without mortgage, good health	0.94	$19,452	$20,760
Single, renter, good health	0.94	$22,464	$23,892
Couple, homeowner without mortgage, good health	0.94	$31,296	$33,264
Couple, renter, good health	0.94	$34,308	$36,396

TECHNICAL NOTES

**See our technical report for more information on data sources, measures, and methodology. For most indicators the county and state values are estimates derived from sample data. Thus, it is possible that some of the differences between state and county estimates may be due to chance associated with population sampling. We use the terms "Better" and "Worse" to highlight differences between county and state estimates that we are confident are not due to chance. "Better" is used where a higher/lower value has positive implications for the health of older residents. "Worse" is used where a higher/lower score has negative implications for the health of older people, and when the implication is unclear, we use an *. We balance two goals. First, we aim to report data at very local levels because we believe change is often locally driven. Second, we vowed to protect the privacy of the people providing the information reported. Thus, given the constraints of the data analyzed we used a hierarchical approach to reporting.*

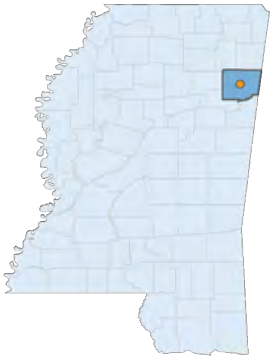
Data Sources:

- *Population Characteristics: The U.S. Census Bureau (American Community Survey 2016-2020) & Robert Wood Johnson Foundation (2020).*
- *COVID-19: Mississippi State Department of Health (MSDH; 2022).*
- *Wellness, Falls, Prevention: The Behavioral Risk Factor Surveillance System (BRFSS; 2013-2020), & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Chronic Disease: The Centers for Medicare and Medicaid Services (CMS) Select Chronic Conditions Database (2018).*
- *Nutrition/Diet, Oral Health: BRFSS (2013-2020) & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Behavioral Health, Mental Health: BRFSS (2013-2020), CMS (2018), & MSDH (2022).*
- *Living with Disability: ACS (2016-2020).*
- *Caregiving: ACS (2016-2020).*
- *Access to Care: BRFSS (2013-2020), CMS (2018), National Adult Day Service Association (June 2022), Community Health Center (Association of Mississippi; June 2022).*
- *Community: Environmental Protection Agency (EPA, 2020), BRFSS (2013-2020), ACS (2016-2020), AARP, & State of Mississippi (May 2022).*
- *Safety & Crime: CDC WONDER (2016-2020).*
- *Transportation: BRFSS (2013-2020), ACS (2016-2020), & Fatality Analysis Reporting System (FARS; 2016-2020).*
- *Housing & Economic: ACS (2016-2020).*
- *Elder Index: Center for Social and Demographic Research on Aging at the University of Massachusetts Boston (2022).*

Acknowledgments: Many people contributed to the MS Healthy Aging Data Report research. The University of Massachusetts Boston Gerontology Institute 2022 research team: Beth Dugan PhD, Nina Silverstein PhD, Chae Man Lee PhD, Taylor Jansen MS, Shu Xu MS, & Yanjhu Su MS. Dr. Kina White from the Mississippi State Department of Health provided important guidance and leadership.

Questions? Beth.Dugan@umb.edu

Monroe



POPULATION CHARACTERISTICS	County rate is significantly different than State rate	COUNTY ESTIMATE	STATE ESTIMATE
Total population all ages		35,559	2,981,835
Population 60 years or older as % of total population		28.0%	22.3%
Total population 60 years or older		9,960	663,581
Population 65 years or older as % of total population		19.7%	15.9%
Total population 65 years or older		7,002	474,270
% 65-74 years		55.8%	59.7%
% 75-84 years		32.5%	29.4%
% 85 years or older		11.7%	10.1%
% 65+ population who are female		57.8%	56.5%
% 85+ population who are female		68.3%	67.4%
Race and ethnicity of the population 65+			
% White		75.1%	70.9%
% African American	*	23.3%	26.9%
% Other race(s)		1.6%	2.2%
% Hispanic/Latino		1.1%	1.0%
Marital status of the population 65+			
% married	*	56.0%	53.1%
% divorced/separated		12.2%	14.5%
% widowed		27.0%	27.1%
% never married		4.8%	5.3%
Education of the population 65+			
% with less than high school education	*	25.6%	20.1%
% with high school or some college		58.2%	58.7%
% with college degree		9.4%	11.8%
% with graduate or professional degree		6.8%	9.4%
% of 65+ population who speak only English at home		98.4%	97.8%
% of 65+ population who are veterans of military service		14.6%	15.8%
Life expectancy at birth		75.3	74.6

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COVID-19			
Total COVID-19 cases since March 2020		10,984	797,161
COVID-19 mortality rate per 100,000 people		618.7	417.1
% of county received at least one vaccine dose		55.0%	53.7%
% of county fully vaccinated		51.0%	48.9%
WELLNESS			
% 60+ getting the recommended hours of sleep	B	70.6%	59.9%
% 60+ doing any physical activity within last month		53.1%	61.3%
% 60+ met CDC guidelines for muscle-strengthening activity		21.8%	19.0%
% 60+ met CDC guidelines for aerobic physical activity		40.1%	39.8%
% 60+ with fair or poor health status		33.3%	32.5%
% 60+ with 15+ physically unhealthy days in last month		21.3%	18.7%
FALLS			
% 60+ who fell within last year		29.5%	27.8%
% 60+ who were injured in a fall within last year		9.3%	10.6%
PREVENTION			
% 60+ with physical exam/check-up in last year		92.8%	89.0%
% 60+ had flu shot in last year		58.6%	57.6%
% 60+ had pneumonia vaccine		58.4%	58.9%
% 60+ had shingles vaccine		24.5%	24.4%
% 60+ women with a mammogram within last 2 years		70.6%	71.0%
% 60+ with colorectal cancer screening		57.4%	57.1%
% 60+ with HIV test		17.6%	20.8%
% 60+ met CDC preventive health screening goals		20.2%	26.2%
CHRONIC DISEASE			
% 65+ with Alzheimer’s disease or related dementias		13.7%	12.9%
% 65+ with arthritis		40.5%	39.8%
% 65+ with asthma		3.9%	3.7%
% 65+ with atrial fibrillation		8.9%	8.9%
% 65+ with cancer (breast, colorectal, lung, prostate)		9.6%	8.8%
% 65+ with chronic kidney disease		24.9%	25.3%
% 65+ with chronic obstructive pulmonary disease (COPD)		13.3%	12.6%
% 65+ with diabetes		33.4%	30.7%
% 65+ with high cholesterol		53.0%	48.9%
% 65+ with heart failure		15.0%	16.1%
% 65+ with hypertension		71.1%	67.9%
% 65+ with ischemic heart disease		31.5%	31.9%
% 65+ with osteoporosis		6.7%	6.4%
% 65+ with stroke		4.2%	4.4%

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
NUTRITION & DIET			
% 60+ with 5 or more servings of fruits or vegetables per day		10.1%	11.1%
% 60+ self-reported obese		35.5%	36.0%
% 60+ with cholesterol screening		94.6%	94.7%
ORAL HEALTH			
% 60+ with annual dental exam		56.0%	56.3%
# of dentists per 100,000 persons (all ages)		22.8	42.1
% 60+ with loss of 6 or more teeth		47.7%	45.8%
BEHAVIORAL HEALTH			
# of drug overdose deaths (all ages)		14	2,137
% 60+ current smokers		12.9%	13.1%
% 65+ with alcohol abuse disorder		1.1%	1.3%
% 65+ with drug abuse/substance abuse disorder		2.6%	2.6%
MENTAL HEALTH			
% 60+ with 15+ days poor mental health in last month		8.3%	9.8%
% 65+ with depression		15.8%	16.4%
% 65+ with schizophrenia & other psychotic disorder		1.9%	2.2%
LIVING WITH DISABILITY			
% 65+ with self-reported hearing difficulty		15.3%	15.5%
% 65+ with self-reported vision difficulty		6.6%	8.7%
% 65+ with self-reported cognition difficulty		9.3%	11.2%
% 65+ with self-reported ambulatory difficulty		26.4%	28.0%
% 65+ with self-reported self-care difficulty		10.4%	10.2%
% 65+ with self-reported independent living difficulty		17.2%	17.3%
CAREGIVING			
% of grandparents raising grandchildren		2.6%	2.4%
% of grandparents who live with grandchildren		5.0%	4.7%
ACCESS TO CARE			
% 60+ with a regular doctor		88.4%	92.0%
% 60+ who did not see a doctor when needed due to cost		7.3%	8.6%
# of primary care providers in county		55	3,571
# of rural health care centers in county		6	191
# of hospitals in county		2	101
# of home health agencies in county		0	45
# of nursing homes in county		3	204
# of community health centers in county		1	20
# of adult day health centers in county		0	8
# of hospice agencies in county		0	94

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COMMUNITY			
Particulate matter PM2.5		N/A	9.1
Ozone		N/A	0.361
Air pollution: annual # of unhealthy days for 65+		N/A	N/A
Age-friendly efforts in county		Not yet	Not yet
# of senior centers in county		4	115
% households that have smartphone (all ages)		18.7%	15.3%
% households without computer (all ages)	*	16.6%	13.5%
% households with access to Broadband (all ages)		77.1%	75.8%
% households without access to Internet (all ages)		22.9%	23.9%
Voter participation rate in 2020 presidential election (age 18+)		67.3%	61.2%
SAFETY & CRIME			
Homicide rate/100,000 persons		7.3	14.1
# firearm fatalities (all ages)		38	3,428
# 60+ deaths by suicide		0	562
TRANSPORTATION			
% 65+ who own a motor vehicle		93.3%	91.5%
% 60+ who always drive or ride wearing a seatbelt		89.1%	89.6%
# of fatal crashes involving adult age 60+		14	780
HOUSING			
% 65+ population who live alone		25.9%	28.1%
Average household size (all ages)		2.6	2.6
Median house value	*	$99,100	$125,500
% 60+ who own home	*	88.6%	82.7%
% 60+ homeowners who have mortgage	*	23.6%	32.1%
% 65+ households(renter) who spend >35% of income on housing		26.0%	33.5%
% 65+ households(owner) who spend >35% of income on housing		15.5%	15.2%
ECONOMIC			
% 60+ receiving food benefits in last year		8.7%	11.4%
% 65+ employed in last year	*	11.7%	15.6%
% 65+ with income below the poverty line in last year		14.1%	12.8%
65+ median household income		$33,525	$36,653
% 65+ households with annual income < $20,000		33.2%	27.4%
% 65+ households with annual income $20,000-$49,999		37.6%	35.5%
% 65+ households with annual income $50,000-$99,999		22.0%	24.6%
% 65+ households with annual income $100,000+	*	7.2%	12.5%

HEALTHY AGING INDICATORS	RATIO OF COUNTY TO STATE	$ COUNTY ESTIMATE	$ STATE ESTIMATE
Elder Index: COST OF LIVING			
Single, homeowner without mortgage, good health	1.04	$21,528	$20,760
Single, renter, good health	0.99	$23,700	$23,892
Couple, homeowner without mortgage, good health	1.05	$34,848	$33,264
Couple, renter, good health	1.02	$37,020	$36,396

TECHNICAL NOTES

**See our technical report for more information on data sources, measures, and methodology. For most indicators the county and state values are estimates derived from sample data. Thus, it is possible that some of the differences between state and county estimates may be due to chance associated with population sampling. We use the terms "Better" and "Worse" to highlight differences between county and state estimates that we are confident are not due to chance. "Better" is used where a higher/lower value has positive implications for the health of older residents. "Worse" is used where a higher/lower score has negative implications for the health of older people, and when the implication is unclear, we use an *. We balance two goals. First, we aim to report data at very local levels because we believe change is often locally driven. Second, we vowed to protect the privacy of the people providing the information reported. Thus, given the constraints of the data analyzed we used a hierarchical approach to reporting.*

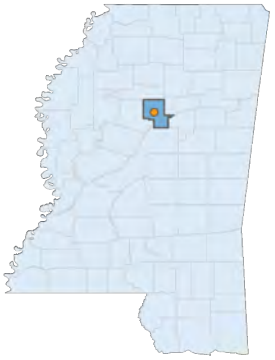
Data Sources:

- *Population Characteristics: The U.S. Census Bureau (American Community Survey 2016-2020) & Robert Wood Johnson Foundation (2020).*
- *COVID-19: Mississippi State Department of Health (MSDH; 2022).*
- *Wellness, Falls, Prevention: The Behavioral Risk Factor Surveillance System (BRFSS; 2013-2020), & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Chronic Disease: The Centers for Medicare and Medicaid Services (CMS) Select Chronic Conditions Database (2018).*
- *Nutrition/Diet, Oral Health: BRFSS (2013-2020) & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Behavioral Health, Mental Health: BRFSS (2013-2020), CMS (2018), & MSDH (2022).*
- *Living with Disability: ACS (2016-2020).*
- *Caregiving: ACS (2016-2020).*
- *Access to Care: BRFSS (2013-2020), CMS (2018), National Adult Day Service Association (June 2022), Community Health Center (Association of Mississippi; June 2022).*
- *Community: Environmental Protection Agency (EPA, 2020), BRFSS (2013-2020), ACS (2016-2020), AARP, & State of Mississippi (May 2022).*
- *Safety & Crime: CDC WONDER (2016-2020).*
- *Transportation: BRFSS (2013-2020), ACS (2016-2020), & Fatality Analysis Reporting System (FARS; 2016-2020).*
- *Housing & Economic: ACS (2016-2020).*
- *Elder Index: Center for Social and Demographic Research on Aging at the University of Massachusetts Boston (2022).*

Acknowledgments: Many people contributed to the MS Healthy Aging Data Report research. The University of Massachusetts Boston Gerontology Institute 2022 research team: Beth Dugan PhD, Nina Silverstein PhD, Chae Man Lee PhD, Taylor Jansen MS, Shu Xu MS, & Yanjhu Su MS. Dr. Kina White from the Mississippi State Department of Health provided important guidance and leadership.

Questions? Beth.Dugan@umb.edu

Montgomery



POPULATION CHARACTERISTICS	County rate is significantly different than State rate	COUNTY ESTIMATE	STATE ESTIMATE
Total population all ages		9,956	2,981,835
Population 60 years or older as % of total population		28.7%	22.3%
Total population 60 years or older		2,862	663,581
Population 65 years or older as % of total population		21.6%	15.9%
Total population 65 years or older		2,151	474,270
% 65-74 years		58.4%	59.7%
% 75-84 years		31.3%	29.4%
% 85 years or older		10.2%	10.1%
% 65+ population who are female		56.3%	56.5%
% 85+ population who are female	*	91.8%	67.4%
Race and ethnicity of the population 65+			
% White		63.6%	70.9%
% African American	*	36.0%	26.9%
% Other race(s)		0.3%	2.2%
% Hispanic/Latino		0.2%	1.0%
Marital status of the population 65+			
% married	*	43.8%	53.1%
% divorced/separated		13.0%	14.5%
% widowed		33.8%	27.1%
% never married		9.3%	5.3%
Education of the population 65+			
% with less than high school education		22.1%	20.1%
% with high school or some college		56.4%	58.7%
% with college degree		12.6%	11.8%
% with graduate or professional degree		8.8%	9.4%
% of 65+ population who speak only English at home		99.9%	97.8%
% of 65+ population who are veterans of military service		15.9%	15.8%
Life expectancy at birth		72.8	74.6

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COVID-19			
Total COVID-19 cases since March 2020		2,959	797,161
COVID-19 mortality rate per 100,000 people		773.4	417.1
% of county received at least one vaccine dose		60.0%	53.7%
% of county fully vaccinated		56.0%	48.9%
WELLNESS			
% 60+ getting the recommended hours of sleep		68.0%	59.9%
% 60+ doing any physical activity within last month		56.4%	61.3%
% 60+ met CDC guidelines for muscle-strengthening activity		16.6%	19.0%
% 60+ met CDC guidelines for aerobic physical activity		34.4%	39.8%
% 60+ with fair or poor health status		37.9%	32.5%
% 60+ with 15+ physically unhealthy days in last month		14.7%	18.7%
FALLS			
% 60+ who fell within last year		33.2%	27.8%
% 60+ who were injured in a fall within last year		9.4%	10.6%
PREVENTION			
% 60+ with physical exam/check-up in last year		87.8%	89.0%
% 60+ had flu shot in last year		50.2%	57.6%
% 60+ had pneumonia vaccine	W	45.3%	58.9%
% 60+ had shingles vaccine		27.5%	24.4%
% 60+ women with a mammogram within last 2 years		73.8%	71.0%
% 60+ with colorectal cancer screening		51.9%	57.1%
% 60+ with HIV test		19.9%	20.8%
% 60+ met CDC preventive health screening goals		29.0%	26.2%
CHRONIC DISEASE			
% 65+ with Alzheimer’s disease or related dementias		11.8%	12.9%
% 65+ with arthritis		40.1%	39.8%
% 65+ with asthma		3.1%	3.7%
% 65+ with atrial fibrillation		6.8%	8.9%
% 65+ with cancer (breast, colorectal, lung, prostate)		7.6%	8.8%
% 65+ with chronic kidney disease		23.9%	25.3%
% 65+ with chronic obstructive pulmonary disease (COPD)		9.8%	12.6%
% 65+ with diabetes		32.0%	30.7%
% 65+ with high cholesterol		35.1%	48.9%
% 65+ with heart failure		17.3%	16.1%
% 65+ with hypertension		67.4%	67.9%
% 65+ with ischemic heart disease		26.7%	31.9%
% 65+ with osteoporosis		N/A	6.4%
% 65+ with stroke		4.4%	4.4%

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
NUTRITION & DIET			
% 60+ with 5 or more servings of fruits or vegetables per day		11.0%	11.1%
% 60+ self-reported obese		37.5%	36.0%
% 60+ with cholesterol screening		93.2%	94.7%
ORAL HEALTH			
% 60+ with annual dental exam		53.9%	56.3%
# of dentists per 100,000 persons (all ages)		41.4	42.1
% 60+ with loss of 6 or more teeth		49.5%	45.8%
BEHAVIORAL HEALTH			
# of drug overdose deaths (all ages)		0	2,137
% 60+ current smokers		10.9%	13.1%
% 65+ with alcohol abuse disorder		1.3%	1.3%
% 65+ with drug abuse/substance abuse disorder		0.8%	2.6%
MENTAL HEALTH			
% 60+ with 15+ days poor mental health in last month		9.2%	9.8%
% 65+ with depression		12.6%	16.4%
% 65+ with schizophrenia & other psychotic disorder		2.8%	2.2%
LIVING WITH DISABILITY			
% 65+ with self-reported hearing difficulty	*	7.0%	15.5%
% 65+ with self-reported vision difficulty		7.8%	8.7%
% 65+ with self-reported cognition difficulty		11.2%	11.2%
% 65+ with self-reported ambulatory difficulty		36.1%	28.0%
% 65+ with self-reported self-care difficulty		9.3%	10.2%
% 65+ with self-reported independent living difficulty		18.0%	17.3%
CAREGIVING			
% of grandparents raising grandchildren	*	3.4%	2.4%
% of grandparents who live with grandchildren	*	3.6%	4.7%
ACCESS TO CARE			
% 60+ with a regular doctor		89.1%	92.0%
% 60+ who did not see a doctor when needed due to cost		8.7%	8.6%
# of primary care providers in county		11	3,571
# of rural health care centers in county		2	191
# of hospitals in county		1	101
# of home health agencies in county		0	45
# of nursing homes in county		1	204
# of community health centers in county		0	20
# of adult day health centers in county		0	8
# of hospice agencies in county		0	94

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COMMUNITY			
Particulate matter PM2.5		N/A	9.1
Ozone		N/A	0.361
Air pollution: annual # of unhealthy days for 65+		N/A	N/A
Age-friendly efforts in county		Not yet	Not yet
# of senior centers in county		1	115
% households that have smartphone (all ages)		13.8%	15.3%
% households without computer (all ages)	*	20.6%	13.5%
% households with access to Broadband (all ages)	*	71.1%	75.8%
% households without access to Internet (all ages)		28.5%	23.9%
Voter participation rate in 2020 presidential election (age 18+)		71.8%	61.2%
SAFETY & CRIME			
Homicide rate/100,000 persons		26.1	14.1
# firearm fatalities (all ages)		17	3,428
# 60+ deaths by suicide		0	562
TRANSPORTATION			
% 65+ who own a motor vehicle		93.3%	91.5%
% 60+ who always drive or ride wearing a seatbelt		90.8%	89.6%
# of fatal crashes involving adult age 60+		5	780
HOUSING			
% 65+ population who live alone		34.1%	28.1%
Average household size (all ages)	*	2.3	2.6
Median house value	*	$87,500	$125,500
% 60+ who own home		81.6%	82.7%
% 60+ homeowners who have mortgage	*	21.6%	32.1%
% 65+ households(renter) who spend >35% of income on housing		16.7%	33.5%
% 65+ households(owner) who spend >35% of income on housing		13.9%	15.2%
ECONOMIC			
% 60+ receiving food benefits in last year		9.2%	11.4%
% 65+ employed in last year		11.9%	15.6%
% 65+ with income below the poverty line in last year		16.2%	12.8%
65+ median household income		$28,866	$36,653
% 65+ households with annual income < $20,000		28.3%	27.4%
% 65+ households with annual income $20,000-$49,999		47.9%	35.5%
% 65+ households with annual income $50,000-$99,999		19.5%	24.6%
% 65+ households with annual income $100,000+	*	4.3%	12.5%

HEALTHY AGING INDICATORS	RATIO OF COUNTY TO STATE	$ COUNTY ESTIMATE	$ STATE ESTIMATE
Elder Index: COST OF LIVING			
Single, homeowner without mortgage, good health	1.02	$21,252	$20,760
Single, renter, good health	0.99	$23,628	$23,892
Couple, homeowner without mortgage, good health	1.04	$34,572	$33,264
Couple, renter, good health	1.02	$36,948	$36,396

TECHNICAL NOTES

**See our technical report for more information on data sources, measures, and methodology. For most indicators the county and state values are estimates derived from sample data. Thus, it is possible that some of the differences between state and county estimates may be due to chance associated with population sampling. We use the terms "Better" and "Worse" to highlight differences between county and state estimates that we are confident are not due to chance. "Better" is used where a higher/lower value has positive implications for the health of older residents. "Worse" is used where a higher/lower score has negative implications for the health of older people, and when the implication is unclear, we use an *. We balance two goals. First, we aim to report data at very local levels because we believe change is often locally driven. Second, we vowed to protect the privacy of the people providing the information reported. Thus, given the constraints of the data analyzed we used a hierarchical approach to reporting.*

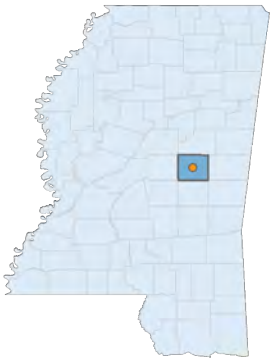
Data Sources:

- *Population Characteristics: The U.S. Census Bureau (American Community Survey 2016-2020) & Robert Wood Johnson Foundation (2020).*
- *COVID-19: Mississippi State Department of Health (MSDH; 2022).*
- *Wellness, Falls, Prevention: The Behavioral Risk Factor Surveillance System (BRFSS; 2013-2020), & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Chronic Disease: The Centers for Medicare and Medicaid Services (CMS) Select Chronic Conditions Database (2018).*
- *Nutrition/Diet, Oral Health: BRFSS (2013-2020) & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Behavioral Health, Mental Health: BRFSS (2013-2020), CMS (2018), & MSDH (2022).*
- *Living with Disability: ACS (2016-2020).*
- *Caregiving: ACS (2016-2020).*
- *Access to Care: BRFSS (2013-2020), CMS (2018), National Adult Day Service Association (June 2022), Community Health Center (Association of Mississippi; June 2022).*
- *Community: Environmental Protection Agency (EPA, 2020), BRFSS (2013-2020), ACS (2016-2020), AARP, & State of Mississippi (May 2022).*
- *Safety & Crime: CDC WONDER (2016-2020).*
- *Transportation: BRFSS (2013-2020), ACS (2016-2020), & Fatality Analysis Reporting System (FARS; 2016-2020).*
- *Housing & Economic: ACS (2016-2020).*
- *Elder Index: Center for Social and Demographic Research on Aging at the University of Massachusetts Boston (2022).*

Acknowledgments: Many people contributed to the MS Healthy Aging Data Report research. The University of Massachusetts Boston Gerontology Institute 2022 research team: Beth Dugan PhD, Nina Silverstein PhD, Chae Man Lee PhD, Taylor Jansen MS, Shu Xu MS, & Yanjhu Su MS. Dr. Kina White from the Mississippi State Department of Health provided important guidance and leadership.

Questions? Beth.Dugan@umb.edu

Neshoba



POPULATION CHARACTERISTICS	County rate is significantly different than State rate	COUNTY ESTIMATE	STATE ESTIMATE
Total population all ages		29,250	2,981,835
Population 60 years or older as % of total population		21.8%	22.3%
Total population 60 years or older		6,374	663,581
Population 65 years or older as % of total population		16.3%	15.9%
Total population 65 years or older		4,770	474,270
% 65-74 years		61.0%	59.7%
% 75-84 years		28.0%	29.4%
% 85 years or older		11.0%	10.1%
% 65+ population who are female		55.1%	56.5%
% 85+ population who are female		66.9%	67.4%
Race and ethnicity of the population 65+			
% White	*	78.1%	70.9%
% African American	*	17.1%	26.9%
% Other race(s)		4.8%	2.2%
% Hispanic/Latino		2.4%	1.0%
Marital status of the population 65+			
% married	*	55.9%	53.1%
% divorced/separated		12.3%	14.5%
% widowed		28.9%	27.1%
% never married	*	2.9%	5.3%
Education of the population 65+			
% with less than high school education		24.7%	20.1%
% with high school or some college		60.4%	58.7%
% with college degree		9.9%	11.8%
% with graduate or professional degree	*	4.9%	9.4%
% of 65+ population who speak only English at home		93.8%	97.8%
% of 65+ population who are veterans of military service		13.7%	15.8%
Life expectancy at birth		70.5	74.6

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COVID-19			
Total COVID-19 cases since March 2020		10,616	797,161
COVID-19 mortality rate per 100,000 people		823.9	417.1
% of county received at least one vaccine dose		36.0%	53.7%
% of county fully vaccinated		32.0%	48.9%
WELLNESS			
% 60+ getting the recommended hours of sleep		59.5%	59.9%
% 60+ doing any physical activity within last month		61.6%	61.3%
% 60+ met CDC guidelines for muscle-strengthening activity		13.6%	19.0%
% 60+ met CDC guidelines for aerobic physical activity		33.4%	39.8%
% 60+ with fair or poor health status		33.5%	32.5%
% 60+ with 15+ physically unhealthy days in last month		21.8%	18.7%
FALLS			
% 60+ who fell within last year		24.4%	27.8%
% 60+ who were injured in a fall within last year		9.0%	10.6%
PREVENTION			
% 60+ with physical exam/check-up in last year		87.9%	89.0%
% 60+ had flu shot in last year		56.3%	57.6%
% 60+ had pneumonia vaccine		58.0%	58.9%
% 60+ had shingles vaccine		24.5%	24.4%
% 60+ women with a mammogram within last 2 years		78.2%	71.0%
% 60+ with colorectal cancer screening	W	47.3%	57.1%
% 60+ with HIV test		18.3%	20.8%
% 60+ met CDC preventive health screening goals		24.4%	26.2%
CHRONIC DISEASE			
% 65+ with Alzheimer’s disease or related dementias		17.0%	12.9%
% 65+ with arthritis		42.2%	39.8%
% 65+ with asthma		3.3%	3.7%
% 65+ with atrial fibrillation		8.9%	8.9%
% 65+ with cancer (breast, colorectal, lung, prostate)		6.9%	8.8%
% 65+ with chronic kidney disease		22.3%	25.3%
% 65+ with chronic obstructive pulmonary disease (COPD)		14.5%	12.6%
% 65+ with diabetes		33.1%	30.7%
% 65+ with high cholesterol		39.2%	48.9%
% 65+ with heart failure		17.5%	16.1%
% 65+ with hypertension		70.0%	67.9%
% 65+ with ischemic heart disease		30.8%	31.9%
% 65+ with osteoporosis		6.6%	6.4%
% 65+ with stroke		4.6%	4.4%

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
NUTRITION & DIET			
% 60+ with 5 or more servings of fruits or vegetables per day		11.8%	11.1%
% 60+ self-reported obese	B	27.6%	36.0%
% 60+ with cholesterol screening		89.6%	94.7%
ORAL HEALTH			
% 60+ with annual dental exam	W	44.1%	56.3%
# of dentists per 100,000 persons (all ages)		55.2	42.1
% 60+ with loss of 6 or more teeth	W	57.2%	45.8%
BEHAVIORAL HEALTH			
# of drug overdose deaths (all ages)		16	2,137
% 60+ current smokers		19.6%	13.1%
% 65+ with alcohol abuse disorder		1.4%	1.3%
% 65+ with drug abuse/substance abuse disorder		5.3%	2.6%
MENTAL HEALTH			
% 60+ with 15+ days poor mental health in last month		9.2%	9.8%
% 65+ with depression		19.7%	16.4%
% 65+ with schizophrenia & other psychotic disorder		1.9%	2.2%
LIVING WITH DISABILITY			
% 65+ with self-reported hearing difficulty		19.5%	15.5%
% 65+ with self-reported vision difficulty		5.8%	8.7%
% 65+ with self-reported cognition difficulty		11.6%	11.2%
% 65+ with self-reported ambulatory difficulty		29.3%	28.0%
% 65+ with self-reported self-care difficulty	*	6.3%	10.2%
% 65+ with self-reported independent living difficulty		19.3%	17.3%
CAREGIVING			
% of grandparents raising grandchildren	*	4.2%	2.4%
% of grandparents who live with grandchildren	*	6.6%	4.7%
ACCESS TO CARE			
% 60+ with a regular doctor		92.3%	92.0%
% 60+ who did not see a doctor when needed due to cost		8.5%	8.6%
# of primary care providers in county		24	3,571
# of rural health care centers in county		4	191
# of hospitals in county		3	101
# of home health agencies in county		0	45
# of nursing homes in county		3	204
# of community health centers in county		0	20
# of adult day health centers in county		1	8
# of hospice agencies in county		2	94

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COMMUNITY			
Particulate matter PM2.5		N/A	9.1
Ozone		N/A	0.361
Air pollution: annual # of unhealthy days for 65+		N/A	N/A
Age-friendly efforts in county		Not yet	Not yet
# of senior centers in county		5	115
% households that have smartphone (all ages)	*	22.6%	15.3%
% households without computer (all ages)	*	17.7%	13.5%
% households with access to Broadband (all ages)	*	70.7%	75.8%
% households without access to Internet (all ages)	*	29.0%	23.9%
Voter participation rate in 2020 presidential election (age 18+)		64.3%	61.2%
SAFETY & CRIME			
Homicide rate/100,000 persons		11.0	14.1
# firearm fatalities (all ages)		33	3,428
# 60+ deaths by suicide		0	562
TRANSPORTATION			
% 65+ who own a motor vehicle		87.8%	91.5%
% 60+ who always drive or ride wearing a seatbelt		84.2%	89.6%
# of fatal crashes involving adult age 60+		14	780
HOUSING			
% 65+ population who live alone		24.9%	28.1%
Average household size (all ages)	*	2.8	2.6
Median house value	*	$83,600	$125,500
% 60+ who own home		82.4%	82.7%
% 60+ homeowners who have mortgage	*	23.1%	32.1%
% 65+ households(renter) who spend >35% of income on housing		26.3%	33.5%
% 65+ households(owner) who spend >35% of income on housing		11.5%	15.2%
ECONOMIC			
% 60+ receiving food benefits in last year		15.8%	11.4%
% 65+ employed in last year		18.4%	15.6%
% 65+ with income below the poverty line in last year		10.6%	12.8%
65+ median household income		$33,429	$36,653
% 65+ households with annual income < $20,000		26.4%	27.4%
% 65+ households with annual income $20,000-$49,999		44.5%	35.5%
% 65+ households with annual income $50,000-$99,999		19.8%	24.6%
% 65+ households with annual income $100,000+		9.4%	12.5%

HEALTHY AGING INDICATORS	RATIO OF COUNTY TO STATE	$ COUNTY ESTIMATE	$ STATE ESTIMATE
Elder Index: COST OF LIVING			
Single, homeowner without mortgage, good health	1.04	$21,648	$20,760
Single, renter, good health	0.98	$23,376	$23,892
Couple, homeowner without mortgage, good health	1.05	$34,968	$33,264
Couple, renter, good health	1.01	$36,696	$36,396

TECHNICAL NOTES

**See our technical report for more information on data sources, measures, and methodology. For most indicators the county and state values are estimates derived from sample data. Thus, it is possible that some of the differences between state and county estimates may be due to chance associated with population sampling. We use the terms "Better" and "Worse" to highlight differences between county and state estimates that we are confident are not due to chance. "Better" is used where a higher/lower value has positive implications for the health of older residents. "Worse" is used where a higher/lower score has negative implications for the health of older people, and when the implication is unclear, we use an *. We balance two goals. First, we aim to report data at very local levels because we believe change is often locally driven. Second, we vowed to protect the privacy of the people providing the information reported. Thus, given the constraints of the data analyzed we used a hierarchical approach to reporting.*

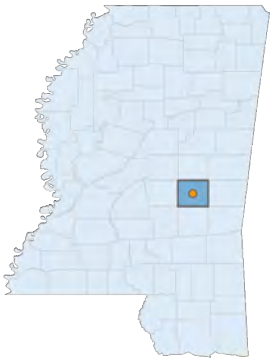
Data Sources:

- *Population Characteristics: The U.S. Census Bureau (American Community Survey 2016-2020) & Robert Wood Johnson Foundation (2020).*
- *COVID-19: Mississippi State Department of Health (MSDH; 2022).*
- *Wellness, Falls, Prevention: The Behavioral Risk Factor Surveillance System (BRFSS; 2013-2020), & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Chronic Disease: The Centers for Medicare and Medicaid Services (CMS) Select Chronic Conditions Database (2018).*
- *Nutrition/Diet, Oral Health: BRFSS (2013-2020) & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Behavioral Health, Mental Health: BRFSS (2013-2020), CMS (2018), & MSDH (2022).*
- *Living with Disability: ACS (2016-2020).*
- *Caregiving: ACS (2016-2020).*
- *Access to Care: BRFSS (2013-2020), CMS (2018), National Adult Day Service Association (June 2022), Community Health Center (Association of Mississippi; June 2022).*
- *Community: Environmental Protection Agency (EPA, 2020), BRFSS (2013-2020), ACS (2016-2020), AARP, & State of Mississippi (May 2022).*
- *Safety & Crime: CDC WONDER (2016-2020).*
- *Transportation: BRFSS (2013-2020), ACS (2016-2020), & Fatality Analysis Reporting System (FARS; 2016-2020).*
- *Housing & Economic: ACS (2016-2020).*
- *Elder Index: Center for Social and Demographic Research on Aging at the University of Massachusetts Boston (2022).*

Acknowledgments: Many people contributed to the MS Healthy Aging Data Report research. The University of Massachusetts Boston Gerontology Institute 2022 research team: Beth Dugan PhD, Nina Silverstein PhD, Chae Man Lee PhD, Taylor Jansen MS, Shu Xu MS, & Yanjhu Su MS. Dr. Kina White from the Mississippi State Department of Health provided important guidance and leadership.

Questions? Beth.Dugan@umb.edu

Newton



POPULATION CHARACTERISTICS	County rate is significantly different than State rate	COUNTY ESTIMATE	STATE ESTIMATE
Total population all ages		21,215	2,981,835
Population 60 years or older as % of total population		22.5%	22.3%
Total population 60 years or older		4,769	663,581
Population 65 years or older as % of total population		16.2%	15.9%
Total population 65 years or older		3,439	474,270
% 65-74 years		58.9%	59.7%
% 75-84 years		30.1%	29.4%
% 85 years or older		11.0%	10.1%
% 65+ population who are female		57.6%	56.5%
% 85+ population who are female		71.0%	67.4%
Race and ethnicity of the population 65+			
% White		75.7%	70.9%
% African American	*	22.8%	26.9%
% Other race(s)		1.5%	2.2%
% Hispanic/Latino		0.2%	1.0%
Marital status of the population 65+			
% married		54.7%	53.1%
% divorced/separated		14.9%	14.5%
% widowed		29.2%	27.1%
% never married	*	1.2%	5.3%
Education of the population 65+			
% with less than high school education		24.1%	20.1%
% with high school or some college		64.4%	58.7%
% with college degree	*	7.4%	11.8%
% with graduate or professional degree	*	4.1%	9.4%
% of 65+ population who speak only English at home		99.6%	97.8%
% of 65+ population who are veterans of military service		16.2%	15.8%
Life expectancy at birth		74.0	74.6

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COVID-19			
Total COVID-19 cases since March 2020		6,029	797,161
COVID-19 mortality rate per 100,000 people		461.9	417.1
% of county received at least one vaccine dose		56.0%	53.7%
% of county fully vaccinated		52.0%	48.9%
WELLNESS			
% 60+ getting the recommended hours of sleep		63.2%	59.9%
% 60+ doing any physical activity within last month		55.2%	61.3%
% 60+ met CDC guidelines for muscle-strengthening activity		23.9%	19.0%
% 60+ met CDC guidelines for aerobic physical activity		50.8%	39.8%
% 60+ with fair or poor health status	W	46.7%	32.5%
% 60+ with 15+ physically unhealthy days in last month		19.5%	18.7%
FALLS			
% 60+ who fell within last year		18.7%	27.8%
% 60+ who were injured in a fall within last year		9.0%	10.6%
PREVENTION			
% 60+ with physical exam/check-up in last year		86.3%	89.0%
% 60+ had flu shot in last year		62.7%	57.6%
% 60+ had pneumonia vaccine		60.9%	58.9%
% 60+ had shingles vaccine		24.4%	24.4%
% 60+ women with a mammogram within last 2 years		70.4%	71.0%
% 60+ with colorectal cancer screening		60.0%	57.1%
% 60+ with HIV test		14.0%	20.8%
% 60+ met CDC preventive health screening goals		38.2%	26.2%
CHRONIC DISEASE			
% 65+ with Alzheimer’s disease or related dementias		16.0%	12.9%
% 65+ with arthritis		42.4%	39.8%
% 65+ with asthma		4.3%	3.7%
% 65+ with atrial fibrillation		9.3%	8.9%
% 65+ with cancer (breast, colorectal, lung, prostate)		7.3%	8.8%
% 65+ with chronic kidney disease		22.1%	25.3%
% 65+ with chronic obstructive pulmonary disease (COPD)		12.6%	12.6%
% 65+ with diabetes		32.9%	30.7%
% 65+ with high cholesterol		42.6%	48.9%
% 65+ with heart failure		15.3%	16.1%
% 65+ with hypertension		70.5%	67.9%
% 65+ with ischemic heart disease		28.2%	31.9%
% 65+ with osteoporosis		6.0%	6.4%
% 65+ with stroke		4.7%	4.4%

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
NUTRITION & DIET			
% 60+ with 5 or more servings of fruits or vegetables per day		11.8%	11.1%
% 60+ self-reported obese		32.4%	36.0%
% 60+ with cholesterol screening		95.6%	94.7%
ORAL HEALTH			
% 60+ with annual dental exam		55.9%	56.3%
# of dentists per 100,000 persons (all ages)		24.0	42.1
% 60+ with loss of 6 or more teeth		50.2%	45.8%
BEHAVIORAL HEALTH			
# of drug overdose deaths (all ages)		0	2,137
% 60+ current smokers		15.9%	13.1%
% 65+ with alcohol abuse disorder		1.2%	1.3%
% 65+ with drug abuse/substance abuse disorder		4.9%	2.6%
MENTAL HEALTH			
% 60+ with 15+ days poor mental health in last month		9.2%	9.8%
% 65+ with depression		19.3%	16.4%
% 65+ with schizophrenia & other psychotic disorder		2.1%	2.2%
LIVING WITH DISABILITY			
% 65+ with self-reported hearing difficulty	*	21.7%	15.5%
% 65+ with self-reported vision difficulty		9.9%	8.7%
% 65+ with self-reported cognition difficulty		14.9%	11.2%
% 65+ with self-reported ambulatory difficulty		34.7%	28.0%
% 65+ with self-reported self-care difficulty		11.9%	10.2%
% 65+ with self-reported independent living difficulty	*	25.7%	17.3%
CAREGIVING			
% of grandparents raising grandchildren		2.9%	2.4%
% of grandparents who live with grandchildren		5.6%	4.7%
ACCESS TO CARE			
% 60+ with a regular doctor		95.3%	92.0%
% 60+ who did not see a doctor when needed due to cost		8.5%	8.6%
# of primary care providers in county		4	3,571
# of rural health care centers in county		4	191
# of hospitals in county		0	101
# of home health agencies in county		0	45
# of nursing homes in county		2	204
# of community health centers in county		0	20
# of adult day health centers in county		0	8
# of hospice agencies in county		1	94

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COMMUNITY			
Particulate matter PM2.5		N/A	9.1
Ozone		N/A	0.361
Air pollution: annual # of unhealthy days for 65+		N/A	N/A
Age-friendly efforts in county		Not yet	Not yet
# of senior centers in county		0	115
% households that have smartphone (all ages)		19.7%	15.3%
% households without computer (all ages)		16.2%	13.5%
% households with access to Broadband (all ages)	*	68.8%	75.8%
% households without access to Internet (all ages)	*	30.5%	23.9%
Voter participation rate in 2020 presidential election (age 18+)		68.1%	61.2%
SAFETY & CRIME			
Homicide rate/100,000 persons		13.2	14.1
# firearm fatalities (all ages)		20	3,428
# 60+ deaths by suicide		0	562
TRANSPORTATION			
% 65+ who own a motor vehicle		89.5%	91.5%
% 60+ who always drive or ride wearing a seatbelt		86.8%	89.6%
# of fatal crashes involving adult age 60+		3	780
HOUSING			
% 65+ population who live alone		32.7%	28.1%
Average household size (all ages)		2.6	2.6
Median house value	*	$86,200	$125,500
% 60+ who own home	*	85.1%	82.7%
% 60+ homeowners who have mortgage	*	21.6%	32.1%
% 65+ households(renter) who spend >35% of income on housing	*	9.1%	33.5%
% 65+ households(owner) who spend >35% of income on housing	*	8.9%	15.2%
ECONOMIC			
% 60+ receiving food benefits in last year	*	5.6%	11.4%
% 65+ employed in last year		12.9%	15.6%
% 65+ with income below the poverty line in last year		11.8%	12.8%
65+ median household income	*	$32,553	$36,653
% 65+ households with annual income < $20,000		26.3%	27.4%
% 65+ households with annual income $20,000-$49,999	*	49.6%	35.5%
% 65+ households with annual income $50,000-$99,999	*	18.0%	24.6%
% 65+ households with annual income $100,000+	*	6.2%	12.5%

HEALTHY AGING INDICATORS	RATIO OF COUNTY TO STATE	$ COUNTY ESTIMATE	$ STATE ESTIMATE
Elder Index: COST OF LIVING			
Single, homeowner without mortgage, good health	1.04	$21,612	$20,760
Single, renter, good health	0.98	$23,436	$23,892
Couple, homeowner without mortgage, good health	1.05	$34,932	$33,264
Couple, renter, good health	1.01	$36,756	$36,396

TECHNICAL NOTES

**See our technical report for more information on data sources, measures, and methodology. For most indicators the county and state values are estimates derived from sample data. Thus, it is possible that some of the differences between state and county estimates may be due to chance associated with population sampling. We use the terms "Better" and "Worse" to highlight differences between county and state estimates that we are confident are not due to chance. "Better" is used where a higher/lower value has positive implications for the health of older residents. "Worse" is used where a higher/lower score has negative implications for the health of older people, and when the implication is unclear, we use an *. We balance two goals. First, we aim to report data at very local levels because we believe change is often locally driven. Second, we vowed to protect the privacy of the people providing the information reported. Thus, given the constraints of the data analyzed we used a hierarchical approach to reporting.*

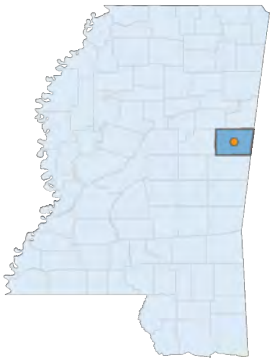
Data Sources:

- *Population Characteristics: The U.S. Census Bureau (American Community Survey 2016-2020) & Robert Wood Johnson Foundation (2020).*
- *COVID-19: Mississippi State Department of Health (MSDH; 2022).*
- *Wellness, Falls, Prevention: The Behavioral Risk Factor Surveillance System (BRFSS; 2013-2020), & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Chronic Disease: The Centers for Medicare and Medicaid Services (CMS) Select Chronic Conditions Database (2018).*
- *Nutrition/Diet, Oral Health: BRFSS (2013-2020) & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Behavioral Health, Mental Health: BRFSS (2013-2020), CMS (2018), & MSDH (2022).*
- *Living with Disability: ACS (2016-2020).*
- *Caregiving: ACS (2016-2020).*
- *Access to Care: BRFSS (2013-2020), CMS (2018), National Adult Day Service Association (June 2022), Community Health Center (Association of Mississippi; June 2022).*
- *Community: Environmental Protection Agency (EPA, 2020), BRFSS (2013-2020), ACS (2016-2020), AARP, & State of Mississippi (May 2022).*
- *Safety & Crime: CDC WONDER (2016-2020).*
- *Transportation: BRFSS (2013-2020), ACS (2016-2020), & Fatality Analysis Reporting System (FARS; 2016-2020).*
- *Housing & Economic: ACS (2016-2020).*
- *Elder Index: Center for Social and Demographic Research on Aging at the University of Massachusetts Boston (2022).*

Acknowledgments: Many people contributed to the MS Healthy Aging Data Report research. The University of Massachusetts Boston Gerontology Institute 2022 research team: Beth Dugan PhD, Nina Silverstein PhD, Chae Man Lee PhD, Taylor Jansen MS, Shu Xu MS, & Yanjhu Su MS. Dr. Kina White from the Mississippi State Department of Health provided important guidance and leadership.

Questions? Beth.Dugan@umb.edu

Noxubee



POPULATION CHARACTERISTICS	County rate is significantly different than State rate	COUNTY ESTIMATE	STATE ESTIMATE
Total population all ages		10,566	2,981,835
Population 60 years or older as % of total population		23.7%	22.3%
Total population 60 years or older		2,501	663,581
Population 65 years or older as % of total population		16.4%	15.9%
Total population 65 years or older		1,735	474,270
% 65-74 years		59.1%	59.7%
% 75-84 years		26.7%	29.4%
% 85 years or older		14.2%	10.1%
% 65+ population who are female		57.7%	56.5%
% 85+ population who are female		62.2%	67.4%
Race and ethnicity of the population 65+			
% White	*	41.7%	70.9%
% African American	*	57.7%	26.9%
% Other race(s)		0.6%	2.2%
% Hispanic/Latino		0.2%	1.0%
Marital status of the population 65+			
% married		56.8%	53.1%
% divorced/separated		8.4%	14.5%
% widowed		27.8%	27.1%
% never married		7.0%	5.3%
Education of the population 65+			
% with less than high school education	*	39.4%	20.1%
% with high school or some college		53.6%	58.7%
% with college degree	*	3.5%	11.8%
% with graduate or professional degree	*	3.5%	9.4%
% of 65+ population who speak only English at home		98.5%	97.8%
% of 65+ population who are veterans of military service		16.1%	15.8%
Life expectancy at birth		74.1	74.6

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COVID-19			
Total COVID-19 cases since March 2020		2,720	797,161
COVID-19 mortality rate per 100,000 people		454.3	417.1
% of county received at least one vaccine dose		60.0%	53.7%
% of county fully vaccinated		59.0%	48.9%
WELLNESS			
% 60+ getting the recommended hours of sleep		60.9%	59.9%
% 60+ doing any physical activity within last month		62.0%	61.3%
% 60+ met CDC guidelines for muscle-strengthening activity		16.6%	19.0%
% 60+ met CDC guidelines for aerobic physical activity		38.5%	39.8%
% 60+ with fair or poor health status		34.5%	32.5%
% 60+ with 15+ physically unhealthy days in last month		18.4%	18.7%
FALLS			
% 60+ who fell within last year		31.8%	27.8%
% 60+ who were injured in a fall within last year		9.3%	10.6%
PREVENTION			
% 60+ with physical exam/check-up in last year		92.0%	89.0%
% 60+ had flu shot in last year		56.8%	57.6%
% 60+ had pneumonia vaccine		58.9%	58.9%
% 60+ had shingles vaccine		28.3%	24.4%
% 60+ women with a mammogram within last 2 years		64.6%	71.0%
% 60+ with colorectal cancer screening		51.2%	57.1%
% 60+ with HIV test		19.1%	20.8%
% 60+ met CDC preventive health screening goals		23.0%	26.2%
CHRONIC DISEASE			
% 65+ with Alzheimer’s disease or related dementias		12.6%	12.9%
% 65+ with arthritis		49.5%	39.8%
% 65+ with asthma		3.5%	3.7%
% 65+ with atrial fibrillation		8.0%	8.9%
% 65+ with cancer (breast, colorectal, lung, prostate)		8.8%	8.8%
% 65+ with chronic kidney disease		26.0%	25.3%
% 65+ with chronic obstructive pulmonary disease (COPD)		10.5%	12.6%
% 65+ with diabetes		35.6%	30.7%
% 65+ with high cholesterol		52.5%	48.9%
% 65+ with heart failure		23.8%	16.1%
% 65+ with hypertension		75.1%	67.9%
% 65+ with ischemic heart disease		27.1%	31.9%
% 65+ with osteoporosis		N/A	6.4%
% 65+ with stroke		3.7%	4.4%

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
NUTRITION & DIET			
% 60+ with 5 or more servings of fruits or vegetables per day		10.1%	11.1%
% 60+ self-reported obese		36.3%	36.0%
% 60+ with cholesterol screening		96.3%	94.7%
ORAL HEALTH			
% 60+ with annual dental exam		49.5%	56.3%
# of dentists per 100,000 persons (all ages)		0.0	42.1
% 60+ with loss of 6 or more teeth		44.8%	45.8%
BEHAVIORAL HEALTH			
# of drug overdose deaths (all ages)		0	2,137
% 60+ current smokers		12.6%	13.1%
% 65+ with alcohol abuse disorder		1.1%	1.3%
% 65+ with drug abuse/substance abuse disorder		3.2%	2.6%
MENTAL HEALTH			
% 60+ with 15+ days poor mental health in last month		8.3%	9.8%
% 65+ with depression		10.4%	16.4%
% 65+ with schizophrenia & other psychotic disorder		2.7%	2.2%
LIVING WITH DISABILITY			
% 65+ with self-reported hearing difficulty		10.9%	15.5%
% 65+ with self-reported vision difficulty		9.2%	8.7%
% 65+ with self-reported cognition difficulty		19.4%	11.2%
% 65+ with self-reported ambulatory difficulty	*	46.4%	28.0%
% 65+ with self-reported self-care difficulty		11.2%	10.2%
% 65+ with self-reported independent living difficulty	*	31.5%	17.3%
CAREGIVING			
% of grandparents raising grandchildren		2.3%	2.4%
% of grandparents who live with grandchildren	*	8.5%	4.7%
ACCESS TO CARE			
% 60+ with a regular doctor		92.8%	92.0%
% 60+ who did not see a doctor when needed due to cost		7.3%	8.6%
# of primary care providers in county		1	3,571
# of rural health care centers in county		3	191
# of hospitals in county		1	101
# of home health agencies in county		0	45
# of nursing homes in county		1	204
# of community health centers in county		0	20
# of adult day health centers in county		0	8
# of hospice agencies in county		0	94

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COMMUNITY			
Particulate matter PM2.5		N/A	9.1
Ozone		N/A	0.361
Air pollution: annual # of unhealthy days for 65+		N/A	N/A
Age-friendly efforts in county		Not yet	Not yet
# of senior centers in county		1	115
% households that have smartphone (all ages)		19.8%	15.3%
% households without computer (all ages)	*	24.8%	13.5%
% households with access to Broadband (all ages)	*	63.3%	75.8%
% households without access to Internet (all ages)	*	36.7%	23.9%
Voter participation rate in 2020 presidential election (age 18+)		67.4%	61.2%
SAFETY & CRIME			
Homicide rate/100,000 persons		0.0	14.1
# firearm fatalities (all ages)		13	3,428
# 60+ deaths by suicide		0	562
TRANSPORTATION			
% 65+ who own a motor vehicle		85.3%	91.5%
% 60+ who always drive or ride wearing a seatbelt		87.2%	89.6%
# of fatal crashes involving adult age 60+		5	780
HOUSING			
% 65+ population who live alone		29.0%	28.1%
Average household size (all ages)		2.6	2.6
Median house value	*	$67,100	$125,500
% 60+ who own home	*	90.3%	82.7%
% 60+ homeowners who have mortgage		31.0%	32.1%
% 65+ households(renter) who spend >35% of income on housing	*	8.3%	33.5%
% 65+ households(owner) who spend >35% of income on housing		23.0%	15.2%
ECONOMIC			
% 60+ receiving food benefits in last year	*	25.2%	11.4%
% 65+ employed in last year	*	7.6%	15.6%
% 65+ with income below the poverty line in last year	*	21.2%	12.8%
65+ median household income	*	$22,875	$36,653
% 65+ households with annual income < $20,000		43.6%	27.4%
% 65+ households with annual income $20,000-$49,999		26.9%	35.5%
% 65+ households with annual income $50,000-$99,999		23.3%	24.6%
% 65+ households with annual income $100,000+		6.2%	12.5%

HEALTHY AGING INDICATORS	RATIO OF COUNTY TO STATE	$ COUNTY ESTIMATE	$ STATE ESTIMATE
Elder Index: COST OF LIVING			
Single, homeowner without mortgage, good health	1.04	$21,648	$20,760
Single, renter, good health	0.99	$23,676	$23,892
Couple, homeowner without mortgage, good health	1.05	$34,968	$33,264
Couple, renter, good health	1.02	$36,996	$36,396

TECHNICAL NOTES

**See our technical report for more information on data sources, measures, and methodology. For most indicators the county and state values are estimates derived from sample data. Thus, it is possible that some of the differences between state and county estimates may be due to chance associated with population sampling. We use the terms "Better" and "Worse" to highlight differences between county and state estimates that we are confident are not due to chance. "Better" is used where a higher/lower value has positive implications for the health of older residents. "Worse" is used where a higher/lower score has negative implications for the health of older people, and when the implication is unclear, we use an *. We balance two goals. First, we aim to report data at very local levels because we believe change is often locally driven. Second, we vowed to protect the privacy of the people providing the information reported. Thus, given the constraints of the data analyzed we used a hierarchical approach to reporting.*

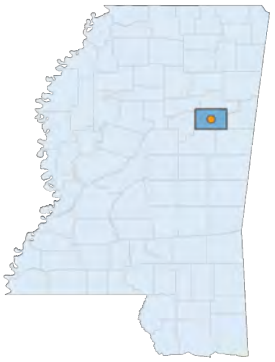
Data Sources:

- *Population Characteristics: The U.S. Census Bureau (American Community Survey 2016-2020) & Robert Wood Johnson Foundation (2020).*
- *COVID-19: Mississippi State Department of Health (MSDH; 2022).*
- *Wellness, Falls, Prevention: The Behavioral Risk Factor Surveillance System (BRFSS; 2013-2020), & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Chronic Disease: The Centers for Medicare and Medicaid Services (CMS) Select Chronic Conditions Database (2018).*
- *Nutrition/Diet, Oral Health: BRFSS (2013-2020) & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Behavioral Health, Mental Health: BRFSS (2013-2020), CMS (2018), & MSDH (2022).*
- *Living with Disability: ACS (2016-2020).*
- *Caregiving: ACS (2016-2020).*
- *Access to Care: BRFSS (2013-2020), CMS (2018), National Adult Day Service Association (June 2022), Community Health Center (Association of Mississippi; June 2022).*
- *Community: Environmental Protection Agency (EPA, 2020), BRFSS (2013-2020), ACS (2016-2020), AARP, & State of Mississippi (May 2022).*
- *Safety & Crime: CDC WONDER (2016-2020).*
- *Transportation: BRFSS (2013-2020), ACS (2016-2020), & Fatality Analysis Reporting System (FARS; 2016-2020).*
- *Housing & Economic: ACS (2016-2020).*
- *Elder Index: Center for Social and Demographic Research on Aging at the University of Massachusetts Boston (2022).*

Acknowledgments: Many people contributed to the MS Healthy Aging Data Report research. The University of Massachusetts Boston Gerontology Institute 2022 research team: Beth Dugan PhD, Nina Silverstein PhD, Chae Man Lee PhD, Taylor Jansen MS, Shu Xu MS, & Yanjhu Su MS. Dr. Kina White from the Mississippi State Department of Health provided important guidance and leadership.

Questions? Beth.Dugan@umb.edu

Oktibbeha



POPULATION CHARACTERISTICS	County rate is significantly different than State rate	COUNTY ESTIMATE	STATE ESTIMATE
Total population all ages		49,593	2,981,835
Population 60 years or older as % of total population		16.0%	22.3%
Total population 60 years or older		7,959	663,581
Population 65 years or older as % of total population		11.4%	15.9%
Total population 65 years or older		5,651	474,270
% 65-74 years		55.5%	59.7%
% 75-84 years		30.5%	29.4%
% 85 years or older		14.0%	10.1%
% 65+ population who are female		56.7%	56.5%
% 85+ population who are female		68.1%	67.4%
Race and ethnicity of the population 65+			
% White		65.9%	70.9%
% African American	*	31.3%	26.9%
% Other race(s)		2.8%	2.2%
% Hispanic/Latino		0.3%	1.0%
Marital status of the population 65+			
% married		51.5%	53.1%
% divorced/separated		15.5%	14.5%
% widowed		28.5%	27.1%
% never married		4.5%	5.3%
Education of the population 65+			
% with less than high school education		17.1%	20.1%
% with high school or some college	*	46.7%	58.7%
% with college degree		13.5%	11.8%
% with graduate or professional degree	*	22.7%	9.4%
% of 65+ population who speak only English at home		96.7%	97.8%
% of 65+ population who are veterans of military service		13.4%	15.8%
Life expectancy at birth		78.0	74.6

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COVID-19			
Total COVID-19 cases since March 2020		11,109	797,161
COVID-19 mortality rate per 100,000 people		324.6	417.1
% of county received at least one vaccine dose		57.0%	53.7%
% of county fully vaccinated		52.0%	48.9%
WELLNESS			
% 60+ getting the recommended hours of sleep		66.7%	59.9%
% 60+ doing any physical activity within last month		69.1%	61.3%
% 60+ met CDC guidelines for muscle-strengthening activity		27.8%	19.0%
% 60+ met CDC guidelines for aerobic physical activity		46.9%	39.8%
% 60+ with fair or poor health status	B	19.4%	32.5%
% 60+ with 15+ physically unhealthy days in last month		13.9%	18.7%
FALLS			
% 60+ who fell within last year		22.6%	27.8%
% 60+ who were injured in a fall within last year		9.3%	10.6%
PREVENTION			
% 60+ with physical exam/check-up in last year		91.2%	89.0%
% 60+ had flu shot in last year		56.1%	57.6%
% 60+ had pneumonia vaccine		55.6%	58.9%
% 60+ had shingles vaccine		35.0%	24.4%
% 60+ women with a mammogram within last 2 years		68.2%	71.0%
% 60+ with colorectal cancer screening		54.6%	57.1%
% 60+ with HIV test	*	12.8%	20.8%
% 60+ met CDC preventive health screening goals		18.6%	26.2%
CHRONIC DISEASE			
% 65+ with Alzheimer’s disease or related dementias		11.3%	12.9%
% 65+ with arthritis		34.3%	39.8%
% 65+ with asthma		3.4%	3.7%
% 65+ with atrial fibrillation		7.1%	8.9%
% 65+ with cancer (breast, colorectal, lung, prostate)		8.4%	8.8%
% 65+ with chronic kidney disease		29.3%	25.3%
% 65+ with chronic obstructive pulmonary disease (COPD)		9.2%	12.6%
% 65+ with diabetes		29.8%	30.7%
% 65+ with high cholesterol		45.5%	48.9%
% 65+ with heart failure		13.3%	16.1%
% 65+ with hypertension		63.6%	67.9%
% 65+ with ischemic heart disease		24.9%	31.9%
% 65+ with osteoporosis		5.1%	6.4%
% 65+ with stroke		3.8%	4.4%

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
NUTRITION & DIET			
% 60+ with 5 or more servings of fruits or vegetables per day		10.1%	11.1%
% 60+ self-reported obese		32.9%	36.0%
% 60+ with cholesterol screening	B	97.7%	94.7%
ORAL HEALTH			
% 60+ with annual dental exam		57.9%	56.3%
# of dentists per 100,000 persons (all ages)		34.1	42.1
% 60+ with loss of 6 or more teeth	B	30.8%	45.8%
BEHAVIORAL HEALTH			
# of drug overdose deaths (all ages)		0	2,137
% 60+ current smokers		8.7%	13.1%
% 65+ with alcohol abuse disorder		1.2%	1.3%
% 65+ with drug abuse/substance abuse disorder		1.2%	2.6%
MENTAL HEALTH			
% 60+ with 15+ days poor mental health in last month		8.3%	9.8%
% 65+ with depression		10.5%	16.4%
% 65+ with schizophrenia & other psychotic disorder		1.7%	2.2%
LIVING WITH DISABILITY			
% 65+ with self-reported hearing difficulty		12.1%	15.5%
% 65+ with self-reported vision difficulty		6.8%	8.7%
% 65+ with self-reported cognition difficulty		9.6%	11.2%
% 65+ with self-reported ambulatory difficulty		23.7%	28.0%
% 65+ with self-reported self-care difficulty	*	5.9%	10.2%
% 65+ with self-reported independent living difficulty		16.0%	17.3%
CAREGIVING			
% of grandparents raising grandchildren		2.1%	2.4%
% of grandparents who live with grandchildren		3.7%	4.7%
ACCESS TO CARE			
% 60+ with a regular doctor		90.7%	92.0%
% 60+ who did not see a doctor when needed due to cost		7.3%	8.6%
# of primary care providers in county		35	3,571
# of rural health care centers in county		0	191
# of hospitals in county		1	101
# of home health agencies in county		0	45
# of nursing homes in county		2	204
# of community health centers in county		0	20
# of adult day health centers in county		0	8
# of hospice agencies in county		2	94

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COMMUNITY			
Particulate matter PM2.5		N/A	9.1
Ozone		N/A	0.361
Air pollution: annual # of unhealthy days for 65+		N/A	N/A
Age-friendly efforts in county		Not yet	Not yet
# of senior centers in county		2	115
% households that have smartphone (all ages)	*	9.7%	15.3%
% households without computer (all ages)	*	10.7%	13.5%
% households with access to Broadband (all ages)		77.6%	75.8%
% households without access to Internet (all ages)		21.9%	23.9%
Voter participation rate in 2020 presidential election (age 18+)		59.9%	61.2%
SAFETY & CRIME			
Homicide rate/100,000 persons		5.2	14.1
# firearm fatalities (all ages)		27	3,428
# 60+ deaths by suicide		0	562
TRANSPORTATION			
% 65+ who own a motor vehicle		87.2%	91.5%
% 60+ who always drive or ride wearing a seatbelt		93.1%	89.6%
# of fatal crashes involving adult age 60+		10	780
HOUSING			
% 65+ population who live alone		32.5%	28.1%
Average household size (all ages)	*	2.4	2.6
Median house value	*	$165,000	$125,500
% 60+ who own home	*	78.1%	82.7%
% 60+ homeowners who have mortgage		33.5%	32.1%
% 65+ households(renter) who spend >35% of income on housing		32.2%	33.5%
% 65+ households(owner) who spend >35% of income on housing	*	8.9%	15.2%
ECONOMIC			
% 60+ receiving food benefits in last year		9.6%	11.4%
% 65+ employed in last year		16.1%	15.6%
% 65+ with income below the poverty line in last year		11.9%	12.8%
65+ median household income	*	$48,484	$36,653
% 65+ households with annual income < $20,000		25.1%	27.4%
% 65+ households with annual income $20,000-$49,999		26.9%	35.5%
% 65+ households with annual income $50,000-$99,999		24.2%	24.6%
% 65+ households with annual income $100,000+	*	23.8%	12.5%

HEALTHY AGING INDICATORS	RATIO OF COUNTY TO STATE	$ COUNTY ESTIMATE	$ STATE ESTIMATE
Elder Index: COST OF LIVING			
Single, homeowner without mortgage, good health	1.04	$21,648	$20,760
Single, renter, good health	1.08	$25,776	$23,892
Couple, homeowner without mortgage, good health	1.05	$34,968	$33,264
Couple, renter, good health	1.07	$39,096	$36,396

TECHNICAL NOTES

**See our technical report for more information on data sources, measures, and methodology. For most indicators the county and state values are estimates derived from sample data. Thus, it is possible that some of the differences between state and county estimates may be due to chance associated with population sampling. We use the terms "Better" and "Worse" to highlight differences between county and state estimates that we are confident are not due to chance. "Better" is used where a higher/lower value has positive implications for the health of older residents. "Worse" is used where a higher/lower score has negative implications for the health of older people, and when the implication is unclear, we use an *. We balance two goals. First, we aim to report data at very local levels because we believe change is often locally driven. Second, we vowed to protect the privacy of the people providing the information reported. Thus, given the constraints of the data analyzed we used a hierarchical approach to reporting.*

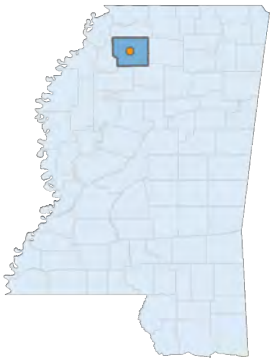
Data Sources:

- *Population Characteristics: The U.S. Census Bureau (American Community Survey 2016-2020) & Robert Wood Johnson Foundation (2020).*
- *COVID-19: Mississippi State Department of Health (MSDH; 2022).*
- *Wellness, Falls, Prevention: The Behavioral Risk Factor Surveillance System (BRFSS; 2013-2020), & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Chronic Disease: The Centers for Medicare and Medicaid Services (CMS) Select Chronic Conditions Database (2018).*
- *Nutrition/Diet, Oral Health: BRFSS (2013-2020) & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Behavioral Health, Mental Health: BRFSS (2013-2020), CMS (2018), & MSDH (2022).*
- *Living with Disability: ACS (2016-2020).*
- *Caregiving: ACS (2016-2020).*
- *Access to Care: BRFSS (2013-2020), CMS (2018), National Adult Day Service Association (June 2022), Community Health Center (Association of Mississippi; June 2022).*
- *Community: Environmental Protection Agency (EPA, 2020), BRFSS (2013-2020), ACS (2016-2020), AARP, & State of Mississippi (May 2022).*
- *Safety & Crime: CDC WONDER (2016-2020).*
- *Transportation: BRFSS (2013-2020), ACS (2016-2020), & Fatality Analysis Reporting System (FARS; 2016-2020).*
- *Housing & Economic: ACS (2016-2020).*
- *Elder Index: Center for Social and Demographic Research on Aging at the University of Massachusetts Boston (2022).*

Acknowledgments: Many people contributed to the MS Healthy Aging Data Report research. The University of Massachusetts Boston Gerontology Institute 2022 research team: Beth Dugan PhD, Nina Silverstein PhD, Chae Man Lee PhD, Taylor Jansen MS, Shu Xu MS, & Yanjhu Su MS. Dr. Kina White from the Mississippi State Department of Health provided important guidance and leadership.

Questions? Beth.Dugan@umb.edu

Panola



POPULATION CHARACTERISTICS	County rate is significantly different than State rate	COUNTY ESTIMATE	STATE ESTIMATE
Total population all ages		34,079	2,981,835
Population 60 years or older as % of total population		23.1%	22.3%
Total population 60 years or older		7,881	663,581
Population 65 years or older as % of total population		15.9%	15.9%
Total population 65 years or older		5,421	474,270
% 65-74 years		62.7%	59.7%
% 75-84 years		26.7%	29.4%
% 85 years or older		10.5%	10.1%
% 65+ population who are female		56.6%	56.5%
% 85+ population who are female		52.9%	67.4%
Race and ethnicity of the population 65+			
% White		66.5%	70.9%
% African American	*	33.1%	26.9%
% Other race(s)		0.4%	2.2%
% Hispanic/Latino		2.3%	1.0%
Marital status of the population 65+			
% married		48.9%	53.1%
% divorced/separated		19.4%	14.5%
% widowed		26.5%	27.1%
% never married		5.2%	5.3%
Education of the population 65+			
% with less than high school education	*	27.2%	20.1%
% with high school or some college		53.9%	58.7%
% with college degree		8.9%	11.8%
% with graduate or professional degree		10.1%	9.4%
% of 65+ population who speak only English at home		100.0%	97.8%
% of 65+ population who are veterans of military service	*	10.7%	15.8%
Life expectancy at birth		73.4	74.6

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COVID-19			
Total COVID-19 cases since March 2020		10,526	797,161
COVID-19 mortality rate per 100,000 people		495.9	417.1
% of county received at least one vaccine dose		52.0%	53.7%
% of county fully vaccinated		47.0%	48.9%
WELLNESS			
% 60+ getting the recommended hours of sleep		67.5%	59.9%
% 60+ doing any physical activity within last month		66.1%	61.3%
% 60+ met CDC guidelines for muscle-strengthening activity		14.7%	19.0%
% 60+ met CDC guidelines for aerobic physical activity		34.2%	39.8%
% 60+ with fair or poor health status		33.6%	32.5%
% 60+ with 15+ physically unhealthy days in last month		17.8%	18.7%
FALLS			
% 60+ who fell within last year		32.1%	27.8%
% 60+ who were injured in a fall within last year		11.9%	10.6%
PREVENTION			
% 60+ with physical exam/check-up in last year		88.3%	89.0%
% 60+ had flu shot in last year		60.5%	57.6%
% 60+ had pneumonia vaccine		53.0%	58.9%
% 60+ had shingles vaccine		28.8%	24.4%
% 60+ women with a mammogram within last 2 years		60.4%	71.0%
% 60+ with colorectal cancer screening		56.4%	57.1%
% 60+ with HIV test		17.0%	20.8%
% 60+ met CDC preventive health screening goals		22.9%	26.2%
CHRONIC DISEASE			
% 65+ with Alzheimer’s disease or related dementias		12.8%	12.9%
% 65+ with arthritis		36.5%	39.8%
% 65+ with asthma		2.7%	3.7%
% 65+ with atrial fibrillation		8.8%	8.9%
% 65+ with cancer (breast, colorectal, lung, prostate)		7.9%	8.8%
% 65+ with chronic kidney disease		27.7%	25.3%
% 65+ with chronic obstructive pulmonary disease (COPD)		11.8%	12.6%
% 65+ with diabetes		31.6%	30.7%
% 65+ with high cholesterol		46.0%	48.9%
% 65+ with heart failure		21.2%	16.1%
% 65+ with hypertension		71.1%	67.9%
% 65+ with ischemic heart disease		36.7%	31.9%
% 65+ with osteoporosis		4.8%	6.4%
% 65+ with stroke		3.9%	4.4%

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
NUTRITION & DIET			
% 60+ with 5 or more servings of fruits or vegetables per day		9.9%	11.1%
% 60+ self-reported obese		41.2%	36.0%
% 60+ with cholesterol screening		92.1%	94.7%
ORAL HEALTH			
% 60+ with annual dental exam	W	45.4%	56.3%
# of dentists per 100,000 persons (all ages)		17.7	42.1
% 60+ with loss of 6 or more teeth		46.7%	45.8%
BEHAVIORAL HEALTH			
# of drug overdose deaths (all ages)		22	2,137
% 60+ current smokers		15.7%	13.1%
% 65+ with alcohol abuse disorder		1.4%	1.3%
% 65+ with drug abuse/substance abuse disorder		1.8%	2.6%
MENTAL HEALTH			
% 60+ with 15+ days poor mental health in last month		9.2%	9.8%
% 65+ with depression		14.0%	16.4%
% 65+ with schizophrenia & other psychotic disorder		1.6%	2.2%
LIVING WITH DISABILITY			
% 65+ with self-reported hearing difficulty		12.5%	15.5%
% 65+ with self-reported vision difficulty		6.3%	8.7%
% 65+ with self-reported cognition difficulty		10.2%	11.2%
% 65+ with self-reported ambulatory difficulty		31.4%	28.0%
% 65+ with self-reported self-care difficulty	*	6.5%	10.2%
% 65+ with self-reported independent living difficulty		15.9%	17.3%
CAREGIVING			
% of grandparents raising grandchildren		3.2%	2.4%
% of grandparents who live with grandchildren		6.0%	4.7%
ACCESS TO CARE			
% 60+ with a regular doctor		89.3%	92.0%
% 60+ who did not see a doctor when needed due to cost		8.6%	8.6%
# of primary care providers in county		65	3,571
# of rural health care centers in county		3	191
# of hospitals in county		1	101
# of home health agencies in county		1	45
# of nursing homes in county		2	204
# of community health centers in county		0	20
# of adult day health centers in county		0	8
# of hospice agencies in county		4	94

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COMMUNITY			
Particulate matter PM2.5		N/A	9.1
Ozone		N/A	0.361
Air pollution: annual # of unhealthy days for 65+		N/A	N/A
Age-friendly efforts in county		Not yet	Not yet
# of senior centers in county		1	115
% households that have smartphone (all ages)	*	21.6%	15.3%
% households without computer (all ages)	*	18.5%	13.5%
% households with access to Broadband (all ages)	*	68.4%	75.8%
% households without access to Internet (all ages)	*	31.1%	23.9%
Voter participation rate in 2020 presidential election (age 18+)		60.5%	61.2%
SAFETY & CRIME			
Homicide rate/100,000 persons		14.7	14.1
# firearm fatalities (all ages)		34	3,428
# 60+ deaths by suicide		0	562
TRANSPORTATION			
% 65+ who own a motor vehicle		90.6%	91.5%
% 60+ who always drive or ride wearing a seatbelt		84.3%	89.6%
# of fatal crashes involving adult age 60+		18	780
HOUSING			
% 65+ population who live alone		29.8%	28.1%
Average household size (all ages)	*	2.7	2.6
Median house value	*	$82,700	$125,500
% 60+ who own home	*	74.2%	82.7%
% 60+ homeowners who have mortgage	*	23.6%	32.1%
% 65+ households(renter) who spend >35% of income on housing		17.1%	33.5%
% 65+ households(owner) who spend >35% of income on housing	*	9.7%	15.2%
ECONOMIC			
% 60+ receiving food benefits in last year	*	17.1%	11.4%
% 65+ employed in last year		14.4%	15.6%
% 65+ with income below the poverty line in last year		11.9%	12.8%
65+ median household income		$34,380	$36,653
% 65+ households with annual income < $20,000		26.3%	27.4%
% 65+ households with annual income $20,000-$49,999		40.6%	35.5%
% 65+ households with annual income $50,000-$99,999		23.7%	24.6%
% 65+ households with annual income $100,000+		9.4%	12.5%

HEALTHY AGING INDICATORS	RATIO OF COUNTY TO STATE	$ COUNTY ESTIMATE	$ STATE ESTIMATE
Elder Index: COST OF LIVING			
Single, homeowner without mortgage, good health	1.01	$21,024	$20,760
Single, renter, good health	0.95	$22,788	$23,892
Couple, homeowner without mortgage, good health	1.00	$33,384	$33,264
Couple, renter, good health	0.97	$35,148	$36,396

TECHNICAL NOTES

**See our technical report for more information on data sources, measures, and methodology. For most indicators the county and state values are estimates derived from sample data. Thus, it is possible that some of the differences between state and county estimates may be due to chance associated with population sampling. We use the terms "Better" and "Worse" to highlight differences between county and state estimates that we are confident are not due to chance. "Better" is used where a higher/lower value has positive implications for the health of older residents. "Worse" is used where a higher/lower score has negative implications for the health of older people, and when the implication is unclear, we use an *. We balance two goals. First, we aim to report data at very local levels because we believe change is often locally driven. Second, we vowed to protect the privacy of the people providing the information reported. Thus, given the constraints of the data analyzed we used a hierarchical approach to reporting.*

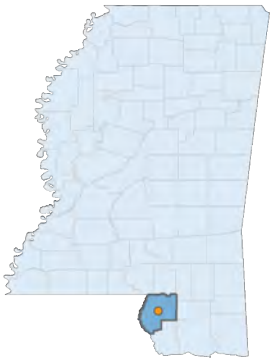
Data Sources:

- *Population Characteristics: The U.S. Census Bureau (American Community Survey 2016-2020) & Robert Wood Johnson Foundation (2020).*
- *COVID-19: Mississippi State Department of Health (MSDH; 2022).*
- *Wellness, Falls, Prevention: The Behavioral Risk Factor Surveillance System (BRFSS; 2013-2020), & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Chronic Disease: The Centers for Medicare and Medicaid Services (CMS) Select Chronic Conditions Database (2018).*
- *Nutrition/Diet, Oral Health: BRFSS (2013-2020) & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Behavioral Health, Mental Health: BRFSS (2013-2020), CMS (2018), & MSDH (2022).*
- *Living with Disability: ACS (2016-2020).*
- *Caregiving: ACS (2016-2020).*
- *Access to Care: BRFSS (2013-2020), CMS (2018), National Adult Day Service Association (June 2022), Community Health Center (Association of Mississippi; June 2022).*
- *Community: Environmental Protection Agency (EPA, 2020), BRFSS (2013-2020), ACS (2016-2020), AARP, & State of Mississippi (May 2022).*
- *Safety & Crime: CDC WONDER (2016-2020).*
- *Transportation: BRFSS (2013-2020), ACS (2016-2020), & Fatality Analysis Reporting System (FARS; 2016-2020).*
- *Housing & Economic: ACS (2016-2020).*
- *Elder Index: Center for Social and Demographic Research on Aging at the University of Massachusetts Boston (2022).*

Acknowledgments: Many people contributed to the MS Healthy Aging Data Report research. The University of Massachusetts Boston Gerontology Institute 2022 research team: Beth Dugan PhD, Nina Silverstein PhD, Chae Man Lee PhD, Taylor Jansen MS, Shu Xu MS, & Yanjhu Su MS. Dr. Kina White from the Mississippi State Department of Health provided important guidance and leadership.

Questions? Beth.Dugan@umb.edu

Pearl River



POPULATION CHARACTERISTICS	County rate is significantly different than State rate	COUNTY ESTIMATE	STATE ESTIMATE
Total population all ages		55,512	2,981,835
Population 60 years or older as % of total population		25.8%	22.3%
Total population 60 years or older		14,345	663,581
Population 65 years or older as % of total population		18.9%	15.9%
Total population 65 years or older		10,483	474,270
% 65-74 years		60.6%	59.7%
% 75-84 years		27.3%	29.4%
% 85 years or older		12.1%	10.1%
% 65+ population who are female		54.2%	56.5%
% 85+ population who are female		58.9%	67.4%
Race and ethnicity of the population 65+			
% White	*	88.9%	70.9%
% African American	*	8.5%	26.9%
% Other race(s)		2.6%	2.2%
% Hispanic/Latino		2.0%	1.0%
Marital status of the population 65+			
% married	*	64.2%	53.1%
% divorced/separated		11.5%	14.5%
% widowed	*	22.4%	27.1%
% never married	*	1.9%	5.3%
Education of the population 65+			
% with less than high school education	*	15.3%	20.1%
% with high school or some college	*	70.4%	58.7%
% with college degree		8.9%	11.8%
% with graduate or professional degree	*	5.3%	9.4%
% of 65+ population who speak only English at home		95.7%	97.8%
% of 65+ population who are veterans of military service		18.6%	15.8%
Life expectancy at birth		74.1	74.6

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COVID-19			
Total COVID-19 cases since March 2020		15,079	797,161
COVID-19 mortality rate per 100,000 people		495.4	417.1
% of county received at least one vaccine dose		45.0%	53.7%
% of county fully vaccinated		41.0%	48.9%
WELLNESS			
% 60+ getting the recommended hours of sleep		64.5%	59.9%
% 60+ doing any physical activity within last month		55.7%	61.3%
% 60+ met CDC guidelines for muscle-strengthening activity		18.4%	19.0%
% 60+ met CDC guidelines for aerobic physical activity		41.3%	39.8%
% 60+ with fair or poor health status		30.4%	32.5%
% 60+ with 15+ physically unhealthy days in last month		25.4%	18.7%
FALLS			
% 60+ who fell within last year		30.8%	27.8%
% 60+ who were injured in a fall within last year		11.5%	10.6%
PREVENTION			
% 60+ with physical exam/check-up in last year		88.8%	89.0%
% 60+ had flu shot in last year		51.9%	57.6%
% 60+ had pneumonia vaccine		61.5%	58.9%
% 60+ had shingles vaccine		26.5%	24.4%
% 60+ women with a mammogram within last 2 years		60.6%	71.0%
% 60+ with colorectal cancer screening		51.0%	57.1%
% 60+ with HIV test		20.6%	20.8%
% 60+ met CDC preventive health screening goals		24.0%	26.2%
CHRONIC DISEASE			
% 65+ with Alzheimer’s disease or related dementias		11.9%	12.9%
% 65+ with arthritis		39.2%	39.8%
% 65+ with asthma		4.2%	3.7%
% 65+ with atrial fibrillation		11.1%	8.9%
% 65+ with cancer (breast, colorectal, lung, prostate)		8.9%	8.8%
% 65+ with chronic kidney disease		26.7%	25.3%
% 65+ with chronic obstructive pulmonary disease (COPD)		16.3%	12.6%
% 65+ with diabetes		31.8%	30.7%
% 65+ with high cholesterol		52.0%	48.9%
% 65+ with heart failure		16.1%	16.1%
% 65+ with hypertension		68.8%	67.9%
% 65+ with ischemic heart disease		35.7%	31.9%
% 65+ with osteoporosis		8.5%	6.4%
% 65+ with stroke		4.7%	4.4%

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
NUTRITION & DIET			
% 60+ with 5 or more servings of fruits or vegetables per day		13.2%	11.1%
% 60+ self-reported obese		37.8%	36.0%
% 60+ with cholesterol screening		94.3%	94.7%
ORAL HEALTH			
% 60+ with annual dental exam		49.9%	56.3%
# of dentists per 100,000 persons (all ages)		10.7	42.1
% 60+ with loss of 6 or more teeth	W	59.7%	45.8%
BEHAVIORAL HEALTH			
# of drug overdose deaths (all ages)		96	2,137
% 60+ current smokers		15.7%	13.1%
% 65+ with alcohol abuse disorder		1.2%	1.3%
% 65+ with drug abuse/substance abuse disorder		3.0%	2.6%
MENTAL HEALTH			
% 60+ with 15+ days poor mental health in last month		11.3%	9.8%
% 65+ with depression		19.0%	16.4%
% 65+ with schizophrenia & other psychotic disorder		2.4%	2.2%
LIVING WITH DISABILITY			
% 65+ with self-reported hearing difficulty	*	22.4%	15.5%
% 65+ with self-reported vision difficulty		11.7%	8.7%
% 65+ with self-reported cognition difficulty		12.0%	11.2%
% 65+ with self-reported ambulatory difficulty		28.1%	28.0%
% 65+ with self-reported self-care difficulty		8.5%	10.2%
% 65+ with self-reported independent living difficulty		16.5%	17.3%
CAREGIVING			
% of grandparents raising grandchildren		3.8%	2.4%
% of grandparents who live with grandchildren		6.1%	4.7%
ACCESS TO CARE			
% 60+ with a regular doctor		88.4%	92.0%
% 60+ who did not see a doctor when needed due to cost		8.6%	8.6%
# of primary care providers in county		44	3,571
# of rural health care centers in county		3	191
# of hospitals in county		2	101
# of home health agencies in county		1	45
# of nursing homes in county		3	204
# of community health centers in county		0	20
# of adult day health centers in county		0	8
# of hospice agencies in county		1	94

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COMMUNITY			
Particulate matter PM2.5		N/A	9.1
Ozone		N/A	0.361
Air pollution: annual # of unhealthy days for 65+		N/A	N/A
Age-friendly efforts in county		Yes	Not yet
# of senior centers in county		2	115
% households that have smartphone (all ages)	*	9.4%	15.3%
% households without computer (all ages)		12.2%	13.5%
% households with access to Broadband (all ages)		78.7%	75.8%
% households without access to Internet (all ages)		20.7%	23.9%
Voter participation rate in 2020 presidential election (age 18+)		60.9%	61.2%
SAFETY & CRIME			
Homicide rate/100,000 persons		9.0	14.1
# firearm fatalities (all ages)		49	3,428
# 60+ deaths by suicide		11	562
TRANSPORTATION			
% 65+ who own a motor vehicle		95.8%	91.5%
% 60+ who always drive or ride wearing a seatbelt		91.4%	89.6%
# of fatal crashes involving adult age 60+		16	780
HOUSING			
% 65+ population who live alone	*	22.3%	28.1%
Average household size (all ages)		2.5	2.6
Median house value	*	$150,800	$125,500
% 60+ who own home	*	86.7%	82.7%
% 60+ homeowners who have mortgage		32.8%	32.1%
% 65+ households(renter) who spend >35% of income on housing		27.7%	33.5%
% 65+ households(owner) who spend >35% of income on housing		20.4%	15.2%
ECONOMIC			
% 60+ receiving food benefits in last year		10.4%	11.4%
% 65+ employed in last year		16.6%	15.6%
% 65+ with income below the poverty line in last year		13.5%	12.8%
65+ median household income		$35,873	$36,653
% 65+ households with annual income < $20,000		26.9%	27.4%
% 65+ households with annual income $20,000-$49,999		37.2%	35.5%
% 65+ households with annual income $50,000-$99,999		21.7%	24.6%
% 65+ households with annual income $100,000+		14.2%	12.5%

HEALTHY AGING INDICATORS	RATIO OF COUNTY TO STATE	$ COUNTY ESTIMATE	$ STATE ESTIMATE
Elder Index: COST OF LIVING			
Single, homeowner without mortgage, good health	0.98	$20,304	$20,760
Single, renter, good health	0.96	$22,920	$23,892
Couple, homeowner without mortgage, good health	0.96	$31,992	$33,264
Couple, renter, good health	0.95	$34,608	$36,396

TECHNICAL NOTES

**See our technical report for more information on data sources, measures, and methodology. For most indicators the county and state values are estimates derived from sample data. Thus, it is possible that some of the differences between state and county estimates may be due to chance associated with population sampling. We use the terms "Better" and "Worse" to highlight differences between county and state estimates that we are confident are not due to chance. "Better" is used where a higher/lower value has positive implications for the health of older residents. "Worse" is used where a higher/lower score has negative implications for the health of older people, and when the implication is unclear, we use an *. We balance two goals. First, we aim to report data at very local levels because we believe change is often locally driven. Second, we vowed to protect the privacy of the people providing the information reported. Thus, given the constraints of the data analyzed we used a hierarchical approach to reporting.*

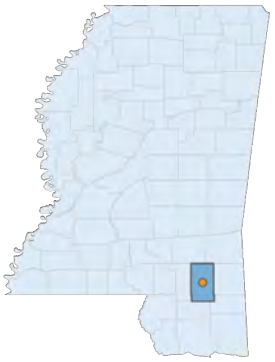
Data Sources:

- *Population Characteristics: The U.S. Census Bureau (American Community Survey 2016-2020) & Robert Wood Johnson Foundation (2020).*
- *COVID-19: Mississippi State Department of Health (MSDH; 2022).*
- *Wellness, Falls, Prevention: The Behavioral Risk Factor Surveillance System (BRFSS; 2013-2020), & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Chronic Disease: The Centers for Medicare and Medicaid Services (CMS) Select Chronic Conditions Database (2018).*
- *Nutrition/Diet, Oral Health: BRFSS (2013-2020) & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Behavioral Health, Mental Health: BRFSS (2013-2020), CMS (2018), & MSDH (2022).*
- *Living with Disability: ACS (2016-2020).*
- *Caregiving: ACS (2016-2020).*
- *Access to Care: BRFSS (2013-2020), CMS (2018), National Adult Day Service Association (June 2022), Community Health Center (Association of Mississippi; June 2022).*
- *Community: Environmental Protection Agency (EPA, 2020), BRFSS (2013-2020), ACS (2016-2020), AARP, & State of Mississippi (May 2022).*
- *Safety & Crime: CDC WONDER (2016-2020).*
- *Transportation: BRFSS (2013-2020), ACS (2016-2020), & Fatality Analysis Reporting System (FARS; 2016-2020).*
- *Housing & Economic: ACS (2016-2020).*
- *Elder Index: Center for Social and Demographic Research on Aging at the University of Massachusetts Boston (2022).*

Acknowledgments: Many people contributed to the MS Healthy Aging Data Report research. The University of Massachusetts Boston Gerontology Institute 2022 research team: Beth Dugan PhD, Nina Silverstein PhD, Chae Man Lee PhD, Taylor Jansen MS, Shu Xu MS, & Yanjhu Su MS. Dr. Kina White from the Mississippi State Department of Health provided important guidance and leadership.

Questions? Beth.Dugan@umb.edu

Perry



POPULATION CHARACTERISTICS	County rate is significantly different than State rate	COUNTY ESTIMATE	STATE ESTIMATE
Total population all ages		11,981	2,981,835
Population 60 years or older as % of total population		25.0%	22.3%
Total population 60 years or older		2,998	663,581
Population 65 years or older as % of total population		18.2%	15.9%
Total population 65 years or older		2,178	474,270
% 65-74 years		57.4%	59.7%
% 75-84 years		33.4%	29.4%
% 85 years or older		9.2%	10.1%
% 65+ population who are female		55.0%	56.5%
% 85+ population who are female		61.7%	67.4%
Race and ethnicity of the population 65+			
% White	*	83.4%	70.9%
% African American	*	15.9%	26.9%
% Other race(s)		0.6%	2.2%
% Hispanic/Latino		0.4%	1.0%
Marital status of the population 65+			
% married	*	58.6%	53.1%
% divorced/separated		13.8%	14.5%
% widowed		23.4%	27.1%
% never married		4.2%	5.3%
Education of the population 65+			
% with less than high school education		19.1%	20.1%
% with high school or some college	*	71.0%	58.7%
% with college degree	*	5.7%	11.8%
% with graduate or professional degree	*	4.1%	9.4%
% of 65+ population who speak only English at home		99.0%	97.8%
% of 65+ population who are veterans of military service		14.7%	15.8%
Life expectancy at birth		76.3	74.6

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COVID-19			
Total COVID-19 cases since March 2020		3,042	797,161
COVID-19 mortality rate per 100,000 people		534.2	417.1
% of county received at least one vaccine dose		42.0%	53.7%
% of county fully vaccinated		39.0%	48.9%
WELLNESS			
% 60+ getting the recommended hours of sleep		58.6%	59.9%
% 60+ doing any physical activity within last month		64.0%	61.3%
% 60+ met CDC guidelines for muscle-strengthening activity		15.2%	19.0%
% 60+ met CDC guidelines for aerobic physical activity		41.6%	39.8%
% 60+ with fair or poor health status		32.2%	32.5%
% 60+ with 15+ physically unhealthy days in last month		20.7%	18.7%
FALLS			
% 60+ who fell within last year		34.3%	27.8%
% 60+ who were injured in a fall within last year		11.3%	10.6%
PREVENTION			
% 60+ with physical exam/check-up in last year		88.4%	89.0%
% 60+ had flu shot in last year		61.5%	57.6%
% 60+ had pneumonia vaccine		64.6%	58.9%
% 60+ had shingles vaccine		26.4%	24.4%
% 60+ women with a mammogram within last 2 years		69.7%	71.0%
% 60+ with colorectal cancer screening		53.6%	57.1%
% 60+ with HIV test		23.4%	20.8%
% 60+ met CDC preventive health screening goals		27.1%	26.2%
CHRONIC DISEASE			
% 65+ with Alzheimer’s disease or related dementias		N/A	12.9%
% 65+ with arthritis		44.7%	39.8%
% 65+ with asthma		4.4%	3.7%
% 65+ with atrial fibrillation		10.0%	8.9%
% 65+ with cancer (breast, colorectal, lung, prostate)		8.3%	8.8%
% 65+ with chronic kidney disease		27.2%	25.3%
% 65+ with chronic obstructive pulmonary disease (COPD)		13.8%	12.6%
% 65+ with diabetes		31.7%	30.7%
% 65+ with high cholesterol		52.4%	48.9%
% 65+ with heart failure		14.6%	16.1%
% 65+ with hypertension		68.3%	67.9%
% 65+ with ischemic heart disease		40.1%	31.9%
% 65+ with osteoporosis		N/A	6.4%
% 65+ with stroke		4.1%	4.4%

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
NUTRITION & DIET			
% 60+ with 5 or more servings of fruits or vegetables per day		10.1%	11.1%
% 60+ self-reported obese		34.0%	36.0%
% 60+ with cholesterol screening		92.6%	94.7%
ORAL HEALTH			
% 60+ with annual dental exam		48.1%	56.3%
# of dentists per 100,000 persons (all ages)		8.4	42.1
% 60+ with loss of 6 or more teeth		47.5%	45.8%
BEHAVIORAL HEALTH			
# of drug overdose deaths (all ages)		0	2,137
% 60+ current smokers		14.7%	13.1%
% 65+ with alcohol abuse disorder		0.7%	1.3%
% 65+ with drug abuse/substance abuse disorder		4.3%	2.6%
MENTAL HEALTH			
% 60+ with 15+ days poor mental health in last month		10.3%	9.8%
% 65+ with depression		19.4%	16.4%
% 65+ with schizophrenia & other psychotic disorder		1.5%	2.2%
LIVING WITH DISABILITY			
% 65+ with self-reported hearing difficulty	*	23.4%	15.5%
% 65+ with self-reported vision difficulty		14.6%	8.7%
% 65+ with self-reported cognition difficulty		14.0%	11.2%
% 65+ with self-reported ambulatory difficulty		30.5%	28.0%
% 65+ with self-reported self-care difficulty		11.2%	10.2%
% 65+ with self-reported independent living difficulty		17.9%	17.3%
CAREGIVING			
% of grandparents raising grandchildren		2.7%	2.4%
% of grandparents who live with grandchildren		4.9%	4.7%
ACCESS TO CARE			
% 60+ with a regular doctor		90.7%	92.0%
% 60+ who did not see a doctor when needed due to cost		9.0%	8.6%
# of primary care providers in county		15	3,571
# of rural health care centers in county		1	191
# of hospitals in county		0	101
# of home health agencies in county		1	45
# of nursing homes in county		1	204
# of community health centers in county		0	20
# of adult day health centers in county		0	8
# of hospice agencies in county		0	94

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COMMUNITY			
Particulate matter PM2.5		N/A	9.1
Ozone		N/A	0.361
Air pollution: annual # of unhealthy days for 65+		N/A	N/A
Age-friendly efforts in county		Not yet	Not yet
# of senior centers in county		1	115
% households that have smartphone (all ages)		19.7%	15.3%
% households without computer (all ages)		14.7%	13.5%
% households with access to Broadband (all ages)		70.5%	75.8%
% households without access to Internet (all ages)		29.1%	23.9%
Voter participation rate in 2020 presidential election (age 18+)		66.3%	61.2%
SAFETY & CRIME			
Homicide rate/100,000 persons		0.0	14.1
# firearm fatalities (all ages)		11	3,428
# 60+ deaths by suicide		0	562
TRANSPORTATION			
% 65+ who own a motor vehicle		96.1%	91.5%
% 60+ who always drive or ride wearing a seatbelt	B	93.9%	89.6%
# of fatal crashes involving adult age 60+		7	780
HOUSING			
% 65+ population who live alone		22.6%	28.1%
Average household size (all ages)		2.6	2.6
Median house value	*	$108,000	$125,500
% 60+ who own home	*	88.9%	82.7%
% 60+ homeowners who have mortgage	*	15.6%	32.1%
% 65+ households(renter) who spend >35% of income on housing	*	7.7%	33.5%
% 65+ households(owner) who spend >35% of income on housing		9.4%	15.2%
ECONOMIC			
% 60+ receiving food benefits in last year		14.5%	11.4%
% 65+ employed in last year	*	9.7%	15.6%
% 65+ with income below the poverty line in last year		13.8%	12.8%
65+ median household income		$37,721	$36,653
% 65+ households with annual income < $20,000		26.1%	27.4%
% 65+ households with annual income $20,000-$49,999		44.0%	35.5%
% 65+ households with annual income $50,000-$99,999		21.5%	24.6%
% 65+ households with annual income $100,000+		8.4%	12.5%

HEALTHY AGING INDICATORS	RATIO OF COUNTY TO STATE	$ COUNTY ESTIMATE	$ STATE ESTIMATE
Elder Index: COST OF LIVING			
Single, homeowner without mortgage, good health	1.07	$22,260	$20,760
Single, renter, good health	1.07	$25,632	$23,892
Couple, homeowner without mortgage, good health	1.08	$35,928	$33,264
Couple, renter, good health	1.08	$39,300	$36,396

TECHNICAL NOTES

**See our technical report for more information on data sources, measures, and methodology. For most indicators the county and state values are estimates derived from sample data. Thus, it is possible that some of the differences between state and county estimates may be due to chance associated with population sampling. We use the terms "Better" and "Worse" to highlight differences between county and state estimates that we are confident are not due to chance. "Better" is used where a higher/lower value has positive implications for the health of older residents. "Worse" is used where a higher/lower score has negative implications for the health of older people, and when the implication is unclear, we use an *. We balance two goals. First, we aim to report data at very local levels because we believe change is often locally driven. Second, we vowed to protect the privacy of the people providing the information reported. Thus, given the constraints of the data analyzed we used a hierarchical approach to reporting.*

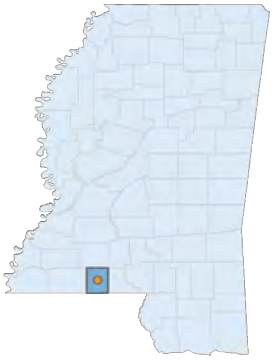
Data Sources:

- *Population Characteristics: The U.S. Census Bureau (American Community Survey 2016-2020) & Robert Wood Johnson Foundation (2020).*
- *COVID-19: Mississippi State Department of Health (MSDH; 2022).*
- *Wellness, Falls, Prevention: The Behavioral Risk Factor Surveillance System (BRFSS; 2013-2020), & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Chronic Disease: The Centers for Medicare and Medicaid Services (CMS) Select Chronic Conditions Database (2018).*
- *Nutrition/Diet, Oral Health: BRFSS (2013-2020) & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Behavioral Health, Mental Health: BRFSS (2013-2020), CMS (2018), & MSDH (2022).*
- *Living with Disability: ACS (2016-2020).*
- *Caregiving: ACS (2016-2020).*
- *Access to Care: BRFSS (2013-2020), CMS (2018), National Adult Day Service Association (June 2022), Community Health Center (Association of Mississippi; June 2022).*
- *Community: Environmental Protection Agency (EPA, 2020), BRFSS (2013-2020), ACS (2016-2020), AARP, & State of Mississippi (May 2022).*
- *Safety & Crime: CDC WONDER (2016-2020).*
- *Transportation: BRFSS (2013-2020), ACS (2016-2020), & Fatality Analysis Reporting System (FARS; 2016-2020).*
- *Housing & Economic: ACS (2016-2020).*
- *Elder Index: Center for Social and Demographic Research on Aging at the University of Massachusetts Boston (2022).*

Acknowledgments: Many people contributed to the MS Healthy Aging Data Report research. The University of Massachusetts Boston Gerontology Institute 2022 research team: Beth Dugan PhD, Nina Silverstein PhD, Chae Man Lee PhD, Taylor Jansen MS, Shu Xu MS, & Yanjhu Su MS. Dr. Kina White from the Mississippi State Department of Health provided important guidance and leadership.

Questions? Beth.Dugan@umb.edu

Pike



POPULATION CHARACTERISTICS	County rate is significantly different than State rate	COUNTY ESTIMATE	STATE ESTIMATE
Total population all ages		39,365	2,981,835
Population 60 years or older as % of total population		22.4%	22.3%
Total population 60 years or older		8,806	663,581
Population 65 years or older as % of total population		16.8%	15.9%
Total population 65 years or older		6,633	474,270
% 65-74 years		59.9%	59.7%
% 75-84 years		29.7%	29.4%
% 85 years or older		10.4%	10.1%
% 65+ population who are female		57.6%	56.5%
% 85+ population who are female		76.1%	67.4%
Race and ethnicity of the population 65+			
% White	*	59.9%	70.9%
% African American	*	39.2%	26.9%
% Other race(s)		0.9%	2.2%
% Hispanic/Latino		0.1%	1.0%
Marital status of the population 65+			
% married		50.1%	53.1%
% divorced/separated		13.5%	14.5%
% widowed		28.2%	27.1%
% never married		8.2%	5.3%
Education of the population 65+			
% with less than high school education	*	26.7%	20.1%
% with high school or some college		54.5%	58.7%
% with college degree		9.1%	11.8%
% with graduate or professional degree		9.7%	9.4%
% of 65+ population who speak only English at home		98.9%	97.8%
% of 65+ population who are veterans of military service		15.0%	15.8%
Life expectancy at birth		72.5	74.6

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COVID-19			
Total COVID-19 cases since March 2020		9,741	797,161
COVID-19 mortality rate per 100,000 people		480.1	417.1
% of county received at least one vaccine dose		54.0%	53.7%
% of county fully vaccinated		50.0%	48.9%
WELLNESS			
% 60+ getting the recommended hours of sleep		53.5%	59.9%
% 60+ doing any physical activity within last month		57.5%	61.3%
% 60+ met CDC guidelines for muscle-strengthening activity		16.9%	19.0%
% 60+ met CDC guidelines for aerobic physical activity		40.7%	39.8%
% 60+ with fair or poor health status		38.8%	32.5%
% 60+ with 15+ physically unhealthy days in last month		22.2%	18.7%
FALLS			
% 60+ who fell within last year		33.2%	27.8%
% 60+ who were injured in a fall within last year		12.0%	10.6%
PREVENTION			
% 60+ with physical exam/check-up in last year		84.9%	89.0%
% 60+ had flu shot in last year		52.7%	57.6%
% 60+ had pneumonia vaccine		60.4%	58.9%
% 60+ had shingles vaccine		23.4%	24.4%
% 60+ women with a mammogram within last 2 years		63.0%	71.0%
% 60+ with colorectal cancer screening		56.2%	57.1%
% 60+ with HIV test		19.8%	20.8%
% 60+ met CDC preventive health screening goals		28.3%	26.2%
CHRONIC DISEASE			
% 65+ with Alzheimer’s disease or related dementias		14.5%	12.9%
% 65+ with arthritis		40.8%	39.8%
% 65+ with asthma		3.4%	3.7%
% 65+ with atrial fibrillation		7.2%	8.9%
% 65+ with cancer (breast, colorectal, lung, prostate)		9.2%	8.8%
% 65+ with chronic kidney disease		24.4%	25.3%
% 65+ with chronic obstructive pulmonary disease (COPD)		12.3%	12.6%
% 65+ with diabetes		32.9%	30.7%
% 65+ with high cholesterol		48.5%	48.9%
% 65+ with heart failure		19.3%	16.1%
% 65+ with hypertension		68.7%	67.9%
% 65+ with ischemic heart disease		37.6%	31.9%
% 65+ with osteoporosis		4.9%	6.4%
% 65+ with stroke		5.6%	4.4%

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
NUTRITION & DIET			
% 60+ with 5 or more servings of fruits or vegetables per day		9.7%	11.1%
% 60+ self-reported obese		35.4%	36.0%
% 60+ with cholesterol screening		96.8%	94.7%
ORAL HEALTH			
% 60+ with annual dental exam		54.2%	56.3%
# of dentists per 100,000 persons (all ages)		48.7	42.1
% 60+ with loss of 6 or more teeth		44.6%	45.8%
BEHAVIORAL HEALTH			
# of drug overdose deaths (all ages)		31	2,137
% 60+ current smokers		15.2%	13.1%
% 65+ with alcohol abuse disorder		1.3%	1.3%
% 65+ with drug abuse/substance abuse disorder		2.9%	2.6%
MENTAL HEALTH			
% 60+ with 15+ days poor mental health in last month		12.0%	9.8%
% 65+ with depression		16.5%	16.4%
% 65+ with schizophrenia & other psychotic disorder		4.1%	2.2%
LIVING WITH DISABILITY			
% 65+ with self-reported hearing difficulty		15.9%	15.5%
% 65+ with self-reported vision difficulty	*	4.4%	8.7%
% 65+ with self-reported cognition difficulty		10.6%	11.2%
% 65+ with self-reported ambulatory difficulty		31.4%	28.0%
% 65+ with self-reported self-care difficulty		10.3%	10.2%
% 65+ with self-reported independent living difficulty		17.0%	17.3%
CAREGIVING			
% of grandparents raising grandchildren		2.4%	2.4%
% of grandparents who live with grandchildren		4.5%	4.7%
ACCESS TO CARE			
% 60+ with a regular doctor		89.6%	92.0%
% 60+ who did not see a doctor when needed due to cost		9.8%	8.6%
# of primary care providers in county		27	3,571
# of rural health care centers in county		5	191
# of hospitals in county		2	101
# of home health agencies in county		1	45
# of nursing homes in county		3	204
# of community health centers in county		0	20
# of adult day health centers in county		0	8
# of hospice agencies in county		2	94

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COMMUNITY			
Particulate matter PM2.5		N/A	9.1
Ozone		N/A	0.361
Air pollution: annual # of unhealthy days for 65+		N/A	N/A
Age-friendly efforts in county		Not yet	Not yet
# of senior centers in county		0	115
% households that have smartphone (all ages)	*	18.9%	15.3%
% households without computer (all ages)	*	17.9%	13.5%
% households with access to Broadband (all ages)	*	65.9%	75.8%
% households without access to Internet (all ages)	*	33.6%	23.9%
Voter participation rate in 2020 presidential election (age 18+)		64.1%	61.2%
SAFETY & CRIME			
Homicide rate/100,000 persons		18.3	14.1
# firearm fatalities (all ages)		58	3,428
# 60+ deaths by suicide		0	562
TRANSPORTATION			
% 65+ who own a motor vehicle		96.0%	91.5%
% 60+ who always drive or ride wearing a seatbelt		87.2%	89.6%
# of fatal crashes involving adult age 60+		16	780
HOUSING			
% 65+ population who live alone		31.7%	28.1%
Average household size (all ages)		2.6	2.6
Median house value	*	$95,800	$125,500
% 60+ who own home	*	78.7%	82.7%
% 60+ homeowners who have mortgage		29.5%	32.1%
% 65+ households(renter) who spend >35% of income on housing		20.8%	33.5%
% 65+ households(owner) who spend >35% of income on housing	*	24.0%	15.2%
ECONOMIC			
% 60+ receiving food benefits in last year		11.9%	11.4%
% 65+ employed in last year		15.2%	15.6%
% 65+ with income below the poverty line in last year	*	20.1%	12.8%
65+ median household income		$30,625	$36,653
% 65+ households with annual income < $20,000		33.0%	27.4%
% 65+ households with annual income $20,000-$49,999		41.2%	35.5%
% 65+ households with annual income $50,000-$99,999		20.2%	24.6%
% 65+ households with annual income $100,000+	*	5.7%	12.5%

HEALTHY AGING INDICATORS	RATIO OF COUNTY TO STATE	$ COUNTY ESTIMATE	$ STATE ESTIMATE
Elder Index: COST OF LIVING			
Single, homeowner without mortgage, good health	1.00	$20,784	$20,760
Single, renter, good health	0.97	$23,064	$23,892
Couple, homeowner without mortgage, good health	1.00	$33,348	$33,264
Couple, renter, good health	0.98	$35,628	$36,396

TECHNICAL NOTES

**See our technical report for more information on data sources, measures, and methodology. For most indicators the county and state values are estimates derived from sample data. Thus, it is possible that some of the differences between state and county estimates may be due to chance associated with population sampling. We use the terms "Better" and "Worse" to highlight differences between county and state estimates that we are confident are not due to chance. "Better" is used where a higher/lower value has positive implications for the health of older residents. "Worse" is used where a higher/lower score has negative implications for the health of older people, and when the implication is unclear, we use an *. We balance two goals. First, we aim to report data at very local levels because we believe change is often locally driven. Second, we vowed to protect the privacy of the people providing the information reported. Thus, given the constraints of the data analyzed we used a hierarchical approach to reporting.*

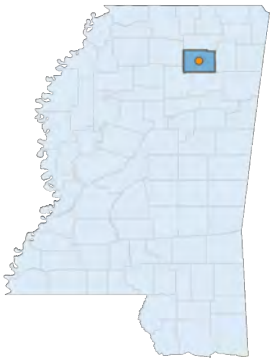
Data Sources:

- *Population Characteristics: The U.S. Census Bureau (American Community Survey 2016-2020) & Robert Wood Johnson Foundation (2020).*
- *COVID-19: Mississippi State Department of Health (MSDH; 2022).*
- *Wellness, Falls, Prevention: The Behavioral Risk Factor Surveillance System (BRFSS; 2013-2020), & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Chronic Disease: The Centers for Medicare and Medicaid Services (CMS) Select Chronic Conditions Database (2018).*
- *Nutrition/Diet, Oral Health: BRFSS (2013-2020) & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Behavioral Health, Mental Health: BRFSS (2013-2020), CMS (2018), & MSDH (2022).*
- *Living with Disability: ACS (2016-2020).*
- *Caregiving: ACS (2016-2020).*
- *Access to Care: BRFSS (2013-2020), CMS (2018), National Adult Day Service Association (June 2022), Community Health Center (Association of Mississippi; June 2022).*
- *Community: Environmental Protection Agency (EPA, 2020), BRFSS (2013-2020), ACS (2016-2020), AARP, & State of Mississippi (May 2022).*
- *Safety & Crime: CDC WONDER (2016-2020).*
- *Transportation: BRFSS (2013-2020), ACS (2016-2020), & Fatality Analysis Reporting System (FARS; 2016-2020).*
- *Housing & Economic: ACS (2016-2020).*
- *Elder Index: Center for Social and Demographic Research on Aging at the University of Massachusetts Boston (2022).*

Acknowledgments: Many people contributed to the MS Healthy Aging Data Report research. The University of Massachusetts Boston Gerontology Institute 2022 research team: Beth Dugan PhD, Nina Silverstein PhD, Chae Man Lee PhD, Taylor Jansen MS, Shu Xu MS, & Yanjhu Su MS. Dr. Kina White from the Mississippi State Department of Health provided important guidance and leadership.

Questions? Beth.Dugan@umb.edu

Pontotoc



POPULATION CHARACTERISTICS	County rate is significantly different than State rate	COUNTY ESTIMATE	STATE ESTIMATE
Total population all ages		31,996	2,981,835
Population 60 years or older as % of total population		21.4%	22.3%
Total population 60 years or older		6,836	663,581
Population 65 years or older as % of total population		15.0%	15.9%
Total population 65 years or older		4,807	474,270
% 65-74 years		58.5%	59.7%
% 75-84 years		29.1%	29.4%
% 85 years or older		12.4%	10.1%
% 65+ population who are female		55.9%	56.5%
% 85+ population who are female		67.0%	67.4%
Race and ethnicity of the population 65+			
% White	*	84.6%	70.9%
% African American	*	12.9%	26.9%
% Other race(s)		2.5%	2.2%
% Hispanic/Latino		1.5%	1.0%
Marital status of the population 65+			
% married		50.6%	53.1%
% divorced/separated		19.8%	14.5%
% widowed		25.5%	27.1%
% never married		4.0%	5.3%
Education of the population 65+			
% with less than high school education	*	30.9%	20.1%
% with high school or some college		56.9%	58.7%
% with college degree	*	5.1%	11.8%
% with graduate or professional degree		7.1%	9.4%
% of 65+ population who speak only English at home		98.6%	97.8%
% of 65+ population who are veterans of military service		17.7%	15.8%
Life expectancy at birth		76.0	74.6

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COVID-19			
Total COVID-19 cases since March 2020		10,342	797,161
COVID-19 mortality rate per 100,000 people		450.1	417.1
% of county received at least one vaccine dose		46.0%	53.7%
% of county fully vaccinated		42.0%	48.9%
WELLNESS			
% 60+ getting the recommended hours of sleep		62.7%	59.9%
% 60+ doing any physical activity within last month		62.7%	61.3%
% 60+ met CDC guidelines for muscle-strengthening activity		19.7%	19.0%
% 60+ met CDC guidelines for aerobic physical activity		38.2%	39.8%
% 60+ with fair or poor health status		35.0%	32.5%
% 60+ with 15+ physically unhealthy days in last month		20.4%	18.7%
FALLS			
% 60+ who fell within last year		30.5%	27.8%
% 60+ who were injured in a fall within last year		12.2%	10.6%
PREVENTION			
% 60+ with physical exam/check-up in last year		89.0%	89.0%
% 60+ had flu shot in last year	B	65.3%	57.6%
% 60+ had pneumonia vaccine		59.6%	58.9%
% 60+ had shingles vaccine		22.3%	24.4%
% 60+ women with a mammogram within last 2 years		68.8%	71.0%
% 60+ with colorectal cancer screening		56.3%	57.1%
% 60+ with HIV test		16.6%	20.8%
% 60+ met CDC preventive health screening goals		27.0%	26.2%
CHRONIC DISEASE			
% 65+ with Alzheimer’s disease or related dementias		12.3%	12.9%
% 65+ with arthritis		37.8%	39.8%
% 65+ with asthma		3.2%	3.7%
% 65+ with atrial fibrillation		9.6%	8.9%
% 65+ with cancer (breast, colorectal, lung, prostate)		8.5%	8.8%
% 65+ with chronic kidney disease		25.6%	25.3%
% 65+ with chronic obstructive pulmonary disease (COPD)		13.0%	12.6%
% 65+ with diabetes		30.7%	30.7%
% 65+ with high cholesterol		51.0%	48.9%
% 65+ with heart failure		14.2%	16.1%
% 65+ with hypertension		68.4%	67.9%
% 65+ with ischemic heart disease		35.2%	31.9%
% 65+ with osteoporosis		8.3%	6.4%
% 65+ with stroke		3.9%	4.4%

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
NUTRITION & DIET			
% 60+ with 5 or more servings of fruits or vegetables per day		10.5%	11.1%
% 60+ self-reported obese		34.4%	36.0%
% 60+ with cholesterol screening		96.8%	94.7%
ORAL HEALTH			
% 60+ with annual dental exam		53.4%	56.3%
# of dentists per 100,000 persons (all ages)		15.4	42.1
% 60+ with loss of 6 or more teeth		46.3%	45.8%
BEHAVIORAL HEALTH			
# of drug overdose deaths (all ages)		26	2,137
% 60+ current smokers		13.5%	13.1%
% 65+ with alcohol abuse disorder		0.8%	1.3%
% 65+ with drug abuse/substance abuse disorder		2.3%	2.6%
MENTAL HEALTH			
% 60+ with 15+ days poor mental health in last month		9.8%	9.8%
% 65+ with depression		17.3%	16.4%
% 65+ with schizophrenia & other psychotic disorder		1.5%	2.2%
LIVING WITH DISABILITY			
% 65+ with self-reported hearing difficulty		19.6%	15.5%
% 65+ with self-reported vision difficulty		13.6%	8.7%
% 65+ with self-reported cognition difficulty		18.5%	11.2%
% 65+ with self-reported ambulatory difficulty		33.6%	28.0%
% 65+ with self-reported self-care difficulty		13.5%	10.2%
% 65+ with self-reported independent living difficulty		16.7%	17.3%
CAREGIVING			
% of grandparents raising grandchildren		2.5%	2.4%
% of grandparents who live with grandchildren		6.1%	4.7%
ACCESS TO CARE			
% 60+ with a regular doctor		92.0%	92.0%
% 60+ who did not see a doctor when needed due to cost		9.9%	8.6%
# of primary care providers in county		54	3,571
# of rural health care centers in county		4	191
# of hospitals in county		1	101
# of home health agencies in county		0	45
# of nursing homes in county		3	204
# of community health centers in county		0	20
# of adult day health centers in county		0	8
# of hospice agencies in county		0	94

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COMMUNITY			
Particulate matter PM2.5		N/A	9.1
Ozone		N/A	0.361
Air pollution: annual # of unhealthy days for 65+		N/A	N/A
Age-friendly efforts in county		Not yet	Not yet
# of senior centers in county		1	115
% households that have smartphone (all ages)		18.3%	15.3%
% households without computer (all ages)		16.9%	13.5%
% households with access to Broadband (all ages)	*	63.8%	75.8%
% households without access to Internet (all ages)	*	36.1%	23.9%
Voter participation rate in 2020 presidential election (age 18+)		65.3%	61.2%
SAFETY & CRIME			
Homicide rate/100,000 persons		0.0	14.1
# firearm fatalities (all ages)		21	3,428
# 60+ deaths by suicide		0	562
TRANSPORTATION			
% 65+ who own a motor vehicle		91.7%	91.5%
% 60+ who always drive or ride wearing a seatbelt		87.1%	89.6%
# of fatal crashes involving adult age 60+		13	780
HOUSING			
% 65+ population who live alone		25.2%	28.1%
Average household size (all ages)	*	2.9	2.6
Median house value		$115,300	$125,500
% 60+ who own home	*	87.0%	82.7%
% 60+ homeowners who have mortgage		32.3%	32.1%
% 65+ households(renter) who spend >35% of income on housing		20.9%	33.5%
% 65+ households(owner) who spend >35% of income on housing	*	8.7%	15.2%
ECONOMIC			
% 60+ receiving food benefits in last year		10.0%	11.4%
% 65+ employed in last year		13.2%	15.6%
% 65+ with income below the poverty line in last year		12.1%	12.8%
65+ median household income		$33,725	$36,653
% 65+ households with annual income < $20,000		27.8%	27.4%
% 65+ households with annual income $20,000-$49,999		36.9%	35.5%
% 65+ households with annual income $50,000-$99,999		28.5%	24.6%
% 65+ households with annual income $100,000+	*	6.8%	12.5%

HEALTHY AGING INDICATORS	RATIO OF COUNTY TO STATE	$ COUNTY ESTIMATE	$ STATE ESTIMATE
Elder Index: COST OF LIVING			
Single, homeowner without mortgage, good health	1.03	$21,324	$20,760
Single, renter, good health	0.98	$23,484	$23,892
Couple, homeowner without mortgage, good health	1.04	$34,644	$33,264
Couple, renter, good health	1.01	$36,804	$36,396

TECHNICAL NOTES

**See our technical report for more information on data sources, measures, and methodology. For most indicators the county and state values are estimates derived from sample data. Thus, it is possible that some of the differences between state and county estimates may be due to chance associated with population sampling. We use the terms "Better" and "Worse" to highlight differences between county and state estimates that we are confident are not due to chance. "Better" is used where a higher/lower value has positive implications for the health of older residents. "Worse" is used where a higher/lower score has negative implications for the health of older people, and when the implication is unclear, we use an *. We balance two goals. First, we aim to report data at very local levels because we believe change is often locally driven. Second, we vowed to protect the privacy of the people providing the information reported. Thus, given the constraints of the data analyzed we used a hierarchical approach to reporting.*

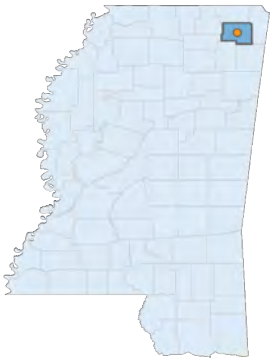
Data Sources:

- *Population Characteristics: The U.S. Census Bureau (American Community Survey 2016-2020) & Robert Wood Johnson Foundation (2020).*
- *COVID-19: Mississippi State Department of Health (MSDH; 2022).*
- *Wellness, Falls, Prevention: The Behavioral Risk Factor Surveillance System (BRFSS; 2013-2020), & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Chronic Disease: The Centers for Medicare and Medicaid Services (CMS) Select Chronic Conditions Database (2018).*
- *Nutrition/Diet, Oral Health: BRFSS (2013-2020) & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Behavioral Health, Mental Health: BRFSS (2013-2020), CMS (2018), & MSDH (2022).*
- *Living with Disability: ACS (2016-2020).*
- *Caregiving: ACS (2016-2020).*
- *Access to Care: BRFSS (2013-2020), CMS (2018), National Adult Day Service Association (June 2022), Community Health Center (Association of Mississippi; June 2022).*
- *Community: Environmental Protection Agency (EPA, 2020), BRFSS (2013-2020), ACS (2016-2020), AARP, & State of Mississippi (May 2022).*
- *Safety & Crime: CDC WONDER (2016-2020).*
- *Transportation: BRFSS (2013-2020), ACS (2016-2020), & Fatality Analysis Reporting System (FARS; 2016-2020).*
- *Housing & Economic: ACS (2016-2020).*
- *Elder Index: Center for Social and Demographic Research on Aging at the University of Massachusetts Boston (2022).*

Acknowledgments: Many people contributed to the MS Healthy Aging Data Report research. The University of Massachusetts Boston Gerontology Institute 2022 research team: Beth Dugan PhD, Nina Silverstein PhD, Chae Man Lee PhD, Taylor Jansen MS, Shu Xu MS, & Yanjhu Su MS. Dr. Kina White from the Mississippi State Department of Health provided important guidance and leadership.

Questions? Beth.Dugan@umb.edu

Prentiss



POPULATION CHARACTERISTICS	County rate is significantly different than State rate	COUNTY ESTIMATE	STATE ESTIMATE
Total population all ages		25,155	2,981,835
Population 60 years or older as % of total population		24.9%	22.3%
Total population 60 years or older		6,274	663,581
Population 65 years or older as % of total population		17.7%	15.9%
Total population 65 years or older		4,461	474,270
% 65-74 years		54.8%	59.7%
% 75-84 years		33.0%	29.4%
% 85 years or older		12.3%	10.1%
% 65+ population who are female		59.3%	56.5%
% 85+ population who are female		84.3%	67.4%
Race and ethnicity of the population 65+			
% White	*	91.9%	70.9%
% African American	*	7.2%	26.9%
% Other race(s)		0.9%	2.2%
% Hispanic/Latino		0.1%	1.0%
Marital status of the population 65+			
% married		54.7%	53.1%
% divorced/separated		13.0%	14.5%
% widowed		30.7%	27.1%
% never married	*	1.5%	5.3%
Education of the population 65+			
% with less than high school education		23.1%	20.1%
% with high school or some college		62.1%	58.7%
% with college degree		8.4%	11.8%
% with graduate or professional degree		6.4%	9.4%
% of 65+ population who speak only English at home		99.2%	97.8%
% of 65+ population who are veterans of military service		15.6%	15.8%
Life expectancy at birth		73.8	74.6

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COVID-19			
Total COVID-19 cases since March 2020		8,223	797,161
COVID-19 mortality rate per 100,000 people		409.5	417.1
% of county received at least one vaccine dose		47.0%	53.7%
% of county fully vaccinated		42.0%	48.9%
WELLNESS			
% 60+ getting the recommended hours of sleep		62.7%	59.9%
% 60+ doing any physical activity within last month	W	52.8%	61.3%
% 60+ met CDC guidelines for muscle-strengthening activity		17.6%	19.0%
% 60+ met CDC guidelines for aerobic physical activity		34.7%	39.8%
% 60+ with fair or poor health status		37.9%	32.5%
% 60+ with 15+ physically unhealthy days in last month		21.1%	18.7%
FALLS			
% 60+ who fell within last year		35.5%	27.8%
% 60+ who were injured in a fall within last year		12.2%	10.6%
PREVENTION			
% 60+ with physical exam/check-up in last year		85.9%	89.0%
% 60+ had flu shot in last year		53.1%	57.6%
% 60+ had pneumonia vaccine		58.5%	58.9%
% 60+ had shingles vaccine		28.1%	24.4%
% 60+ women with a mammogram within last 2 years		65.2%	71.0%
% 60+ with colorectal cancer screening		54.1%	57.1%
% 60+ with HIV test	*	13.5%	20.8%
% 60+ met CDC preventive health screening goals		20.0%	26.2%
CHRONIC DISEASE			
% 65+ with Alzheimer’s disease or related dementias		13.5%	12.9%
% 65+ with arthritis		47.3%	39.8%
% 65+ with asthma		6.7%	3.7%
% 65+ with atrial fibrillation		9.7%	8.9%
% 65+ with cancer (breast, colorectal, lung, prostate)		8.0%	8.8%
% 65+ with chronic kidney disease		33.5%	25.3%
% 65+ with chronic obstructive pulmonary disease (COPD)		20.5%	12.6%
% 65+ with diabetes		33.9%	30.7%
% 65+ with high cholesterol		56.7%	48.9%
% 65+ with heart failure		18.2%	16.1%
% 65+ with hypertension		76.3%	67.9%
% 65+ with ischemic heart disease		39.4%	31.9%
% 65+ with osteoporosis		8.3%	6.4%
% 65+ with stroke		3.7%	4.4%

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
NUTRITION & DIET			
% 60+ with 5 or more servings of fruits or vegetables per day		10.5%	11.1%
% 60+ self-reported obese		41.2%	36.0%
% 60+ with cholesterol screening		92.0%	94.7%
ORAL HEALTH			
% 60+ with annual dental exam		51.8%	56.3%
# of dentists per 100,000 persons (all ages)		36.0	42.1
% 60+ with loss of 6 or more teeth		50.6%	45.8%
BEHAVIORAL HEALTH			
# of drug overdose deaths (all ages)		22	2,137
% 60+ current smokers		12.6%	13.1%
% 65+ with alcohol abuse disorder		1.2%	1.3%
% 65+ with drug abuse/substance abuse disorder		2.5%	2.6%
MENTAL HEALTH			
% 60+ with 15+ days poor mental health in last month		9.8%	9.8%
% 65+ with depression		20.3%	16.4%
% 65+ with schizophrenia & other psychotic disorder		1.9%	2.2%
LIVING WITH DISABILITY			
% 65+ with self-reported hearing difficulty		17.0%	15.5%
% 65+ with self-reported vision difficulty		9.8%	8.7%
% 65+ with self-reported cognition difficulty		11.9%	11.2%
% 65+ with self-reported ambulatory difficulty	*	36.7%	28.0%
% 65+ with self-reported self-care difficulty		10.4%	10.2%
% 65+ with self-reported independent living difficulty		20.2%	17.3%
CAREGIVING			
% of grandparents raising grandchildren		3.0%	2.4%
% of grandparents who live with grandchildren		6.5%	4.7%
ACCESS TO CARE			
% 60+ with a regular doctor		92.1%	92.0%
% 60+ who did not see a doctor when needed due to cost		9.9%	8.6%
# of primary care providers in county		7	3,571
# of rural health care centers in county		0	191
# of hospitals in county		1	101
# of home health agencies in county		0	45
# of nursing homes in county		2	204
# of community health centers in county		0	20
# of adult day health centers in county		0	8
# of hospice agencies in county		1	94

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COMMUNITY			
Particulate matter PM2.5		N/A	9.1
Ozone		N/A	0.361
Air pollution: annual # of unhealthy days for 65+		N/A	N/A
Age-friendly efforts in county		Not yet	Not yet
# of senior centers in county		0	115
% households that have smartphone (all ages)		15.7%	15.3%
% households without computer (all ages)	*	18.2%	13.5%
% households with access to Broadband (all ages)		74.3%	75.8%
% households without access to Internet (all ages)		25.2%	23.9%
Voter participation rate in 2020 presidential election (age 18+)		66.6%	61.2%
SAFETY & CRIME			
Homicide rate/100,000 persons		0.0	14.1
# firearm fatalities (all ages)		22	3,428
# 60+ deaths by suicide		0	562
TRANSPORTATION			
% 65+ who own a motor vehicle		90.0%	91.5%
% 60+ who always drive or ride wearing a seatbelt		83.4%	89.6%
# of fatal crashes involving adult age 60+		8	780
HOUSING			
% 65+ population who live alone		32.9%	28.1%
Average household size (all ages)		2.6	2.6
Median house value	*	$95,300	$125,500
% 60+ who own home		84.1%	82.7%
% 60+ homeowners who have mortgage		25.1%	32.1%
% 65+ households(renter) who spend >35% of income on housing		33.0%	33.5%
% 65+ households(owner) who spend >35% of income on housing		14.8%	15.2%
ECONOMIC			
% 60+ receiving food benefits in last year		10.6%	11.4%
% 65+ employed in last year	*	10.7%	15.6%
% 65+ with income below the poverty line in last year		18.1%	12.8%
65+ median household income		$27,545	$36,653
% 65+ households with annual income < $20,000	*	41.1%	27.4%
% 65+ households with annual income $20,000-$49,999		30.5%	35.5%
% 65+ households with annual income $50,000-$99,999		18.9%	24.6%
% 65+ households with annual income $100,000+		9.5%	12.5%

HEALTHY AGING INDICATORS	RATIO OF COUNTY TO STATE	$ COUNTY ESTIMATE	$ STATE ESTIMATE
Elder Index: COST OF LIVING			
Single, homeowner without mortgage, good health	1.02	$21,180	$20,760
Single, renter, good health	1.00	$23,868	$23,892
Couple, homeowner without mortgage, good health	1.04	$34,500	$33,264
Couple, renter, good health	1.02	$37,188	$36,396

TECHNICAL NOTES

**See our technical report for more information on data sources, measures, and methodology. For most indicators the county and state values are estimates derived from sample data. Thus, it is possible that some of the differences between state and county estimates may be due to chance associated with population sampling. We use the terms "Better" and "Worse" to highlight differences between county and state estimates that we are confident are not due to chance. "Better" is used where a higher/lower value has positive implications for the health of older residents. "Worse" is used where a higher/lower score has negative implications for the health of older people, and when the implication is unclear, we use an *. We balance two goals. First, we aim to report data at very local levels because we believe change is often locally driven. Second, we vowed to protect the privacy of the people providing the information reported. Thus, given the constraints of the data analyzed we used a hierarchical approach to reporting.*

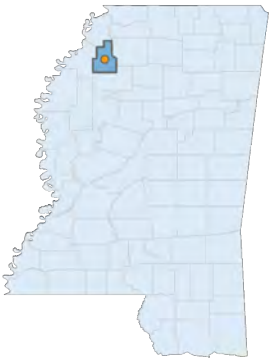
Data Sources:

- *Population Characteristics: The U.S. Census Bureau (American Community Survey 2016-2020) & Robert Wood Johnson Foundation (2020).*
- *COVID-19: Mississippi State Department of Health (MSDH; 2022).*
- *Wellness, Falls, Prevention: The Behavioral Risk Factor Surveillance System (BRFSS; 2013-2020), & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Chronic Disease: The Centers for Medicare and Medicaid Services (CMS) Select Chronic Conditions Database (2018).*
- *Nutrition/Diet, Oral Health: BRFSS (2013-2020) & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Behavioral Health, Mental Health: BRFSS (2013-2020), CMS (2018), & MSDH (2022).*
- *Living with Disability: ACS (2016-2020).*
- *Caregiving: ACS (2016-2020).*
- *Access to Care: BRFSS (2013-2020), CMS (2018), National Adult Day Service Association (June 2022), Community Health Center (Association of Mississippi; June 2022).*
- *Community: Environmental Protection Agency (EPA, 2020), BRFSS (2013-2020), ACS (2016-2020), AARP, & State of Mississippi (May 2022).*
- *Safety & Crime: CDC WONDER (2016-2020).*
- *Transportation: BRFSS (2013-2020), ACS (2016-2020), & Fatality Analysis Reporting System (FARS; 2016-2020).*
- *Housing & Economic: ACS (2016-2020).*
- *Elder Index: Center for Social and Demographic Research on Aging at the University of Massachusetts Boston (2022).*

Acknowledgments: Many people contributed to the MS Healthy Aging Data Report research. The University of Massachusetts Boston Gerontology Institute 2022 research team: Beth Dugan PhD, Nina Silverstein PhD, Chae Man Lee PhD, Taylor Jansen MS, Shu Xu MS, & Yanjhu Su MS. Dr. Kina White from the Mississippi State Department of Health provided important guidance and leadership.

Questions? Beth.Dugan@umb.edu

Quitman



POPULATION CHARACTERISTICS	County rate is significantly different than State rate	COUNTY ESTIMATE	STATE ESTIMATE
Total population all ages		7,038	2,981,835
Population 60 years or older as % of total population		23.8%	22.3%
Total population 60 years or older		1,675	663,581
Population 65 years or older as % of total population		17.4%	15.9%
Total population 65 years or older		1,223	474,270
% 65-74 years		58.3%	59.7%
% 75-84 years		32.5%	29.4%
% 85 years or older		9.2%	10.1%
% 65+ population who are female		58.4%	56.5%
% 85+ population who are female		72.6%	67.4%
Race and ethnicity of the population 65+			
% White	*	45.0%	70.9%
% African American	*	55.0%	26.9%
% Other race(s)		0.0%	2.2%
% Hispanic/Latino		0.0%	1.0%
Marital status of the population 65+			
% married	*	42.1%	53.1%
% divorced/separated		14.1%	14.5%
% widowed	*	35.8%	27.1%
% never married		7.9%	5.3%
Education of the population 65+			
% with less than high school education	*	38.6%	20.1%
% with high school or some college	*	47.9%	58.7%
% with college degree		8.9%	11.8%
% with graduate or professional degree	*	4.6%	9.4%
% of 65+ population who speak only English at home		99.6%	97.8%
% of 65+ population who are veterans of military service		15.2%	15.8%
Life expectancy at birth		71.7	74.6

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COVID-19			
Total COVID-19 cases since March 2020		1,575	797,161
COVID-19 mortality rate per 100,000 people		440.5	417.1
% of county received at least one vaccine dose		59.0%	53.7%
% of county fully vaccinated		54.0%	48.9%
WELLNESS			
% 60+ getting the recommended hours of sleep		59.6%	59.9%
% 60+ doing any physical activity within last month		52.0%	61.3%
% 60+ met CDC guidelines for muscle-strengthening activity		23.0%	19.0%
% 60+ met CDC guidelines for aerobic physical activity	W	26.9%	39.8%
% 60+ with fair or poor health status		36.2%	32.5%
% 60+ with 15+ physically unhealthy days in last month		21.1%	18.7%
FALLS			
% 60+ who fell within last year		28.1%	27.8%
% 60+ who were injured in a fall within last year		11.9%	10.6%
PREVENTION			
% 60+ with physical exam/check-up in last year		88.5%	89.0%
% 60+ had flu shot in last year		50.3%	57.6%
% 60+ had pneumonia vaccine	W	47.2%	58.9%
% 60+ had shingles vaccine		20.3%	24.4%
% 60+ women with a mammogram within last 2 years		63.0%	71.0%
% 60+ with colorectal cancer screening	W	41.7%	57.1%
% 60+ with HIV test		19.4%	20.8%
% 60+ met CDC preventive health screening goals	W	16.1%	26.2%
CHRONIC DISEASE			
% 65+ with Alzheimer’s disease or related dementias		N/A	12.9%
% 65+ with arthritis		36.7%	39.8%
% 65+ with asthma		3.8%	3.7%
% 65+ with atrial fibrillation		8.2%	8.9%
% 65+ with cancer (breast, colorectal, lung, prostate)		8.3%	8.8%
% 65+ with chronic kidney disease		31.1%	25.3%
% 65+ with chronic obstructive pulmonary disease (COPD)		12.0%	12.6%
% 65+ with diabetes		34.0%	30.7%
% 65+ with high cholesterol		47.6%	48.9%
% 65+ with heart failure		25.6%	16.1%
% 65+ with hypertension		76.1%	67.9%
% 65+ with ischemic heart disease		38.4%	31.9%
% 65+ with osteoporosis		N/A	6.4%
% 65+ with stroke		3.7%	4.4%

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
NUTRITION & DIET			
% 60+ with 5 or more servings of fruits or vegetables per day		9.9%	11.1%
% 60+ self-reported obese		34.3%	36.0%
% 60+ with cholesterol screening		96.0%	94.7%
ORAL HEALTH			
% 60+ with annual dental exam	W	41.6%	56.3%
# of dentists per 100,000 persons (all ages)		14.8	42.1
% 60+ with loss of 6 or more teeth		48.8%	45.8%
BEHAVIORAL HEALTH			
# of drug overdose deaths (all ages)		0	2,137
% 60+ current smokers		14.3%	13.1%
% 65+ with alcohol abuse disorder		2.1%	1.3%
% 65+ with drug abuse/substance abuse disorder		1.3%	2.6%
MENTAL HEALTH			
% 60+ with 15+ days poor mental health in last month		9.2%	9.8%
% 65+ with depression		10.3%	16.4%
% 65+ with schizophrenia & other psychotic disorder		1.2%	2.2%
LIVING WITH DISABILITY			
% 65+ with self-reported hearing difficulty	*	7.8%	15.5%
% 65+ with self-reported vision difficulty	*	4.4%	8.7%
% 65+ with self-reported cognition difficulty		8.2%	11.2%
% 65+ with self-reported ambulatory difficulty		24.3%	28.0%
% 65+ with self-reported self-care difficulty	*	2.5%	10.2%
% 65+ with self-reported independent living difficulty		17.7%	17.3%
CAREGIVING			
% of grandparents raising grandchildren	*	4.3%	2.4%
% of grandparents who live with grandchildren	*	6.9%	4.7%
ACCESS TO CARE			
% 60+ with a regular doctor		89.4%	92.0%
% 60+ who did not see a doctor when needed due to cost		8.6%	8.6%
# of primary care providers in county		6	3,571
# of rural health care centers in county		1	191
# of hospitals in county		1	101
# of home health agencies in county		0	45
# of nursing homes in county		1	204
# of community health centers in county		0	20
# of adult day health centers in county		0	8
# of hospice agencies in county		0	94

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COMMUNITY			
Particulate matter PM2.5		N/A	9.1
Ozone		N/A	0.361
Air pollution: annual # of unhealthy days for 65+		N/A	N/A
Age-friendly efforts in county		Not yet	Not yet
# of senior centers in county		0	115
% households that have smartphone (all ages)	*	25.7%	15.3%
% households without computer (all ages)	*	24.4%	13.5%
% households with access to Broadband (all ages)	*	59.7%	75.8%
% households without access to Internet (all ages)	*	40.1%	23.9%
Voter participation rate in 2020 presidential election (age 18+)		63.4%	61.2%
SAFETY & CRIME			
Homicide rate/100,000 persons		0.0	14.1
# firearm fatalities (all ages)		0	3,428
# 60+ deaths by suicide		0	562
TRANSPORTATION			
% 65+ who own a motor vehicle		86.9%	91.5%
% 60+ who always drive or ride wearing a seatbelt	W	80.7%	89.6%
# of fatal crashes involving adult age 60+		1	780
HOUSING			
% 65+ population who live alone	*	34.5%	28.1%
Average household size (all ages)	*	2.3	2.6
Median house value	*	$54,500	$125,500
% 60+ who own home	*	76.2%	82.7%
% 60+ homeowners who have mortgage	*	21.2%	32.1%
% 65+ households(renter) who spend >35% of income on housing		18.1%	33.5%
% 65+ households(owner) who spend >35% of income on housing		17.3%	15.2%
ECONOMIC			
% 60+ receiving food benefits in last year	*	29.1%	11.4%
% 65+ employed in last year		19.5%	15.6%
% 65+ with income below the poverty line in last year	*	23.8%	12.8%
65+ median household income	*	$25,391	$36,653
% 65+ households with annual income < $20,000	*	39.5%	27.4%
% 65+ households with annual income $20,000-$49,999		28.3%	35.5%
% 65+ households with annual income $50,000-$99,999		24.0%	24.6%
% 65+ households with annual income $100,000+		8.2%	12.5%

HEALTHY AGING INDICATORS	RATIO OF COUNTY TO STATE	$ COUNTY ESTIMATE	$ STATE ESTIMATE
Elder Index: COST OF LIVING			
Single, homeowner without mortgage, good health	1.06	$21,984	$20,760
Single, renter, good health	0.98	$23,424	$23,892
Couple, homeowner without mortgage, good health	1.06	$35,304	$33,264
Couple, renter, good health	1.01	$36,744	$36,396

TECHNICAL NOTES

**See our technical report for more information on data sources, measures, and methodology. For most indicators the county and state values are estimates derived from sample data. Thus, it is possible that some of the differences between state and county estimates may be due to chance associated with population sampling. We use the terms "Better" and "Worse" to highlight differences between county and state estimates that we are confident are not due to chance. "Better" is used where a higher/lower value has positive implications for the health of older residents. "Worse" is used where a higher/lower score has negative implications for the health of older people, and when the implication is unclear, we use an *. We balance two goals. First, we aim to report data at very local levels because we believe change is often locally driven. Second, we vowed to protect the privacy of the people providing the information reported. Thus, given the constraints of the data analyzed we used a hierarchical approach to reporting.*

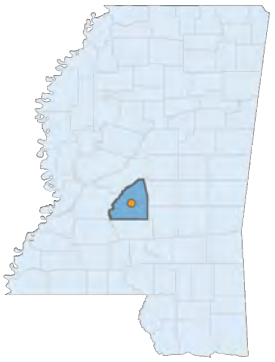
Data Sources:

- *Population Characteristics: The U.S. Census Bureau (American Community Survey 2016-2020) & Robert Wood Johnson Foundation (2020).*
- *COVID-19: Mississippi State Department of Health (MSDH; 2022).*
- *Wellness, Falls, Prevention: The Behavioral Risk Factor Surveillance System (BRFSS; 2013-2020), & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Chronic Disease: The Centers for Medicare and Medicaid Services (CMS) Select Chronic Conditions Database (2018).*
- *Nutrition/Diet, Oral Health: BRFSS (2013-2020) & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Behavioral Health, Mental Health: BRFSS (2013-2020), CMS (2018), & MSDH (2022).*
- *Living with Disability: ACS (2016-2020).*
- *Caregiving: ACS (2016-2020).*
- *Access to Care: BRFSS (2013-2020), CMS (2018), National Adult Day Service Association (June 2022), Community Health Center (Association of Mississippi; June 2022).*
- *Community: Environmental Protection Agency (EPA, 2020), BRFSS (2013-2020), ACS (2016-2020), AARP, & State of Mississippi (May 2022).*
- *Safety & Crime: CDC WONDER (2016-2020).*
- *Transportation: BRFSS (2013-2020), ACS (2016-2020), & Fatality Analysis Reporting System (FARS; 2016-2020).*
- *Housing & Economic: ACS (2016-2020).*
- *Elder Index: Center for Social and Demographic Research on Aging at the University of Massachusetts Boston (2022).*

Acknowledgments: Many people contributed to the MS Healthy Aging Data Report research. The University of Massachusetts Boston Gerontology Institute 2022 research team: Beth Dugan PhD, Nina Silverstein PhD, Chae Man Lee PhD, Taylor Jansen MS, Shu Xu MS, & Yanjhu Su MS. Dr. Kina White from the Mississippi State Department of Health provided important guidance and leadership.

Questions? Beth.Dugan@umb.edu

Rankin



POPULATION CHARACTERISTICS	County rate is significantly different than State rate	COUNTY ESTIMATE	STATE ESTIMATE
Total population all ages		154,119	2,981,835
Population 60 years or older as % of total population		21.0%	22.3%
Total population 60 years or older		32,393	663,581
Population 65 years or older as % of total population		15.2%	15.9%
Total population 65 years or older		23,463	474,270
% 65-74 years		59.9%	59.7%
% 75-84 years		29.1%	29.4%
% 85 years or older		11.0%	10.1%
% 65+ population who are female		57.1%	56.5%
% 85+ population who are female		63.7%	67.4%
Race and ethnicity of the population 65+			
% White	*	86.4%	70.9%
% African American	*	12.1%	26.9%
% Other race(s)		1.4%	2.2%
% Hispanic/Latino		0.6%	1.0%
Marital status of the population 65+			
% married	*	60.1%	53.1%
% divorced/separated		13.8%	14.5%
% widowed	*	23.4%	27.1%
% never married	*	2.7%	5.3%
Education of the population 65+			
% with less than high school education	*	11.9%	20.1%
% with high school or some college		60.8%	58.7%
% with college degree	*	15.6%	11.8%
% with graduate or professional degree	*	11.7%	9.4%
% of 65+ population who speak only English at home		98.0%	97.8%
% of 65+ population who are veterans of military service		16.7%	15.8%
Life expectancy at birth		79.0	74.6

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COVID-19			
Total COVID-19 cases since March 2020		36,604	797,161
COVID-19 mortality rate per 100,000 people		316.0	417.1
% of county received at least one vaccine dose		56.0%	53.7%
% of county fully vaccinated		52.0%	48.9%
WELLNESS			
% 60+ getting the recommended hours of sleep		63.9%	59.9%
% 60+ doing any physical activity within last month		67.1%	61.3%
% 60+ met CDC guidelines for muscle-strengthening activity		22.4%	19.0%
% 60+ met CDC guidelines for aerobic physical activity		46.2%	39.8%
% 60+ with fair or poor health status	B	25.1%	32.5%
% 60+ with 15+ physically unhealthy days in last month		14.2%	18.7%
FALLS			
% 60+ who fell within last year		24.4%	27.8%
% 60+ who were injured in a fall within last year		10.1%	10.6%
PREVENTION			
% 60+ with physical exam/check-up in last year		89.1%	89.0%
% 60+ had flu shot in last year	B	67.2%	57.6%
% 60+ had pneumonia vaccine	B	67.2%	58.9%
% 60+ had shingles vaccine		32.3%	24.4%
% 60+ women with a mammogram within last 2 years		72.8%	71.0%
% 60+ with colorectal cancer screening		62.5%	57.1%
% 60+ with HIV test		19.7%	20.8%
% 60+ met CDC preventive health screening goals		33.0%	26.2%
CHRONIC DISEASE			
% 65+ with Alzheimer’s disease or related dementias		12.9%	12.9%
% 65+ with arthritis		37.8%	39.8%
% 65+ with asthma		3.7%	3.7%
% 65+ with atrial fibrillation		8.2%	8.9%
% 65+ with cancer (breast, colorectal, lung, prostate)		8.2%	8.8%
% 65+ with chronic kidney disease		19.8%	25.3%
% 65+ with chronic obstructive pulmonary disease (COPD)		11.0%	12.6%
% 65+ with diabetes		26.6%	30.7%
% 65+ with high cholesterol		45.9%	48.9%
% 65+ with heart failure		12.3%	16.1%
% 65+ with hypertension		63.5%	67.9%
% 65+ with ischemic heart disease		27.8%	31.9%
% 65+ with osteoporosis		6.7%	6.4%
% 65+ with stroke		4.6%	4.4%

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
NUTRITION & DIET			
% 60+ with 5 or more servings of fruits or vegetables per day		11.5%	11.1%
% 60+ self-reported obese	B	29.1%	36.0%
% 60+ with cholesterol screening		95.9%	94.7%
ORAL HEALTH			
% 60+ with annual dental exam	B	67.6%	56.3%
# of dentists per 100,000 persons (all ages)		73.1	42.1
% 60+ with loss of 6 or more teeth	B	33.0%	45.8%
BEHAVIORAL HEALTH			
# of drug overdose deaths (all ages)		133	2,137
% 60+ current smokers	B	8.1%	13.1%
% 65+ with alcohol abuse disorder		1.0%	1.3%
% 65+ with drug abuse/substance abuse disorder		2.2%	2.6%
MENTAL HEALTH			
% 60+ with 15+ days poor mental health in last month		9.5%	9.8%
% 65+ with depression		17.3%	16.4%
% 65+ with schizophrenia & other psychotic disorder		3.0%	2.2%
LIVING WITH DISABILITY			
% 65+ with self-reported hearing difficulty		12.9%	15.5%
% 65+ with self-reported vision difficulty	*	6.0%	8.7%
% 65+ with self-reported cognition difficulty		10.8%	11.2%
% 65+ with self-reported ambulatory difficulty	*	23.7%	28.0%
% 65+ with self-reported self-care difficulty		9.4%	10.2%
% 65+ with self-reported independent living difficulty		17.3%	17.3%
CAREGIVING			
% of grandparents raising grandchildren		1.7%	2.4%
% of grandparents who live with grandchildren		4.2%	4.7%
ACCESS TO CARE			
% 60+ with a regular doctor	B	95.1%	92.0%
% 60+ who did not see a doctor when needed due to cost		7.5%	8.6%
# of primary care providers in county		236	3,571
# of rural health care centers in county		3	191
# of hospitals in county		6	101
# of home health agencies in county		1	45
# of nursing homes in county		9	204
# of community health centers in county		1	20
# of adult day health centers in county		0	8
# of hospice agencies in county		5	94

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COMMUNITY			
Particulate matter PM2.5		N/A	9.1
Ozone		N/A	0.361
Air pollution: annual # of unhealthy days for 65+		N/A	N/A
Age-friendly efforts in county		Not yet	Not yet
# of senior centers in county		1	115
% households that have smartphone (all ages)	*	10.1%	15.3%
% households without computer (all ages)	*	6.0%	13.5%
% households with access to Broadband (all ages)	*	87.0%	75.8%
% households without access to Internet (all ages)	*	13.0%	23.9%
Voter participation rate in 2020 presidential election (age 18+)		68.4%	61.2%
SAFETY & CRIME			
Homicide rate/100,000 persons		5.3	14.1
# firearm fatalities (all ages)		127	3,428
# 60+ deaths by suicide		30	562
TRANSPORTATION			
% 65+ who own a motor vehicle		94.7%	91.5%
% 60+ who always drive or ride wearing a seatbelt	B	95.2%	89.6%
# of fatal crashes involving adult age 60+		22	780
HOUSING			
% 65+ population who live alone		25.1%	28.1%
Average household size (all ages)		2.6	2.6
Median house value	*	$165,200	$125,500
% 60+ who own home	*	90.5%	82.7%
% 60+ homeowners who have mortgage	*	40.2%	32.1%
% 65+ households(renter) who spend >35% of income on housing		41.5%	33.5%
% 65+ households(owner) who spend >35% of income on housing	*	11.4%	15.2%
ECONOMIC			
% 60+ receiving food benefits in last year	*	3.6%	11.4%
% 65+ employed in last year		18.1%	15.6%
% 65+ with income below the poverty line in last year	*	5.9%	12.8%
65+ median household income	*	$50,742	$36,653
% 65+ households with annual income < $20,000	*	16.2%	27.4%
% 65+ households with annual income $20,000-$49,999		33.2%	35.5%
% 65+ households with annual income $50,000-$99,999	*	30.5%	24.6%
% 65+ households with annual income $100,000+	*	20.1%	12.5%

HEALTHY AGING INDICATORS	RATIO OF COUNTY TO STATE	$ COUNTY ESTIMATE	$ STATE ESTIMATE
Elder Index: COST OF LIVING			
Single, homeowner without mortgage, good health	0.95	$19,788	$20,760
Single, renter, good health	1.04	$24,732	$23,892
Couple, homeowner without mortgage, good health	0.95	$31,620	$33,264
Couple, renter, good health	1.00	$36,564	$36,396

TECHNICAL NOTES

**See our technical report for more information on data sources, measures, and methodology. For most indicators the county and state values are estimates derived from sample data. Thus, it is possible that some of the differences between state and county estimates may be due to chance associated with population sampling. We use the terms "Better" and "Worse" to highlight differences between county and state estimates that we are confident are not due to chance. "Better" is used where a higher/lower value has positive implications for the health of older residents. "Worse" is used where a higher/lower score has negative implications for the health of older people, and when the implication is unclear, we use an *. We balance two goals. First, we aim to report data at very local levels because we believe change is often locally driven. Second, we vowed to protect the privacy of the people providing the information reported. Thus, given the constraints of the data analyzed we used a hierarchical approach to reporting.*

Data Sources:

- *Population Characteristics: The U.S. Census Bureau (American Community Survey 2016-2020) & Robert Wood Johnson Foundation (2020).*
- *COVID-19: Mississippi State Department of Health (MSDH; 2022).*
- *Wellness, Falls, Prevention: The Behavioral Risk Factor Surveillance System (BRFSS; 2013-2020), & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Chronic Disease: The Centers for Medicare and Medicaid Services (CMS) Select Chronic Conditions Database (2018).*
- *Nutrition/Diet, Oral Health: BRFSS (2013-2020) & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Behavioral Health, Mental Health: BRFSS (2013-2020), CMS (2018), & MSDH (2022).*
- *Living with Disability: ACS (2016-2020).*
- *Caregiving: ACS (2016-2020).*
- *Access to Care: BRFSS (2013-2020), CMS (2018), National Adult Day Service Association (June 2022), Community Health Center (Association of Mississippi; June 2022).*
- *Community: Environmental Protection Agency (EPA, 2020), BRFSS (2013-2020), ACS (2016-2020), AARP, & State of Mississippi (May 2022).*
- *Safety & Crime: CDC WONDER (2016-2020).*
- *Transportation: BRFSS (2013-2020), ACS (2016-2020), & Fatality Analysis Reporting System (FARS; 2016-2020).*
- *Housing & Economic: ACS (2016-2020).*
- *Elder Index: Center for Social and Demographic Research on Aging at the University of Massachusetts Boston (2022).*

Acknowledgments: Many people contributed to the MS Healthy Aging Data Report research. The University of Massachusetts Boston Gerontology Institute 2022 research team: Beth Dugan PhD, Nina Silverstein PhD, Chae Man Lee PhD, Taylor Jansen MS, Shu Xu MS, & Yanjhu Su MS. Dr. Kina White from the Mississippi State Department of Health provided important guidance and leadership.

Questions? Beth.Dugan@umb.edu

Scott

POPULATION CHARACTERISTICS	County rate is significantly different than State rate	COUNTY ESTIMATE	STATE ESTIMATE
Total population all ages		28,288	2,981,835
Population 60 years or older as % of total population		22.4%	22.3%
Total population 60 years or older		6,340	663,581
Population 65 years or older as % of total population		15.9%	15.9%
Total population 65 years or older		4,491	474,270
% 65-74 years		56.4%	59.7%
% 75-84 years		34.3%	29.4%
% 85 years or older		9.3%	10.1%
% 65+ population who are female		54.5%	56.5%
% 85+ population who are female		72.1%	67.4%
Race and ethnicity of the population 65+			
% White	*	63.2%	70.9%
% African American		29.1%	26.9%
% Other race(s)		7.7%	2.2%
% Hispanic/Latino	*	7.0%	1.0%
Marital status of the population 65+			
% married	*	46.7%	53.1%
% divorced/separated		18.8%	14.5%
% widowed		27.7%	27.1%
% never married		6.8%	5.3%
Education of the population 65+			
% with less than high school education	*	31.0%	20.1%
% with high school or some college		56.7%	58.7%
% with college degree	*	4.7%	11.8%
% with graduate or professional degree		7.5%	9.4%
% of 65+ population who speak only English at home		92.5%	97.8%
% of 65+ population who are veterans of military service	*	9.9%	15.8%
Life expectancy at birth		73.2	74.6

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COVID-19			
Total COVID-19 cases since March 2020		6,534	797,161
COVID-19 mortality rate per 100,000 people		417.1	417.1
% of county received at least one vaccine dose		56.0%	53.7%
% of county fully vaccinated		51.0%	48.9%
WELLNESS			
% 60+ getting the recommended hours of sleep		62.7%	59.9%
% 60+ doing any physical activity within last month		61.0%	61.3%
% 60+ met CDC guidelines for muscle-strengthening activity		17.2%	19.0%
% 60+ met CDC guidelines for aerobic physical activity	W	29.2%	39.8%
% 60+ with fair or poor health status		37.5%	32.5%
% 60+ with 15+ physically unhealthy days in last month		18.2%	18.7%
FALLS			
% 60+ who fell within last year		30.0%	27.8%
% 60+ who were injured in a fall within last year		9.0%	10.6%
PREVENTION			
% 60+ with physical exam/check-up in last year		86.0%	89.0%
% 60+ had flu shot in last year		52.2%	57.6%
% 60+ had pneumonia vaccine		57.9%	58.9%
% 60+ had shingles vaccine		25.3%	24.4%
% 60+ women with a mammogram within last 2 years		58.8%	71.0%
% 60+ with colorectal cancer screening		57.4%	57.1%
% 60+ with HIV test	*	12.6%	20.8%
% 60+ met CDC preventive health screening goals		20.7%	26.2%
CHRONIC DISEASE			
% 65+ with Alzheimer’s disease or related dementias		14.6%	12.9%
% 65+ with arthritis		40.5%	39.8%
% 65+ with asthma		3.2%	3.7%
% 65+ with atrial fibrillation		9.4%	8.9%
% 65+ with cancer (breast, colorectal, lung, prostate)		6.9%	8.8%
% 65+ with chronic kidney disease		22.3%	25.3%
% 65+ with chronic obstructive pulmonary disease (COPD)		13.5%	12.6%
% 65+ with diabetes		33.1%	30.7%
% 65+ with high cholesterol		37.0%	48.9%
% 65+ with heart failure		18.2%	16.1%
% 65+ with hypertension		64.7%	67.9%
% 65+ with ischemic heart disease		29.1%	31.9%
% 65+ with osteoporosis		5.6%	6.4%
% 65+ with stroke		3.6%	4.4%

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
NUTRITION & DIET			
% 60+ with 5 or more servings of fruits or vegetables per day		11.8%	11.1%
% 60+ self-reported obese		41.9%	36.0%
% 60+ with cholesterol screening		91.9%	94.7%
ORAL HEALTH			
% 60+ with annual dental exam		48.9%	56.3%
# of dentists per 100,000 persons (all ages)		28.5	42.1
% 60+ with loss of 6 or more teeth		51.4%	45.8%
BEHAVIORAL HEALTH			
# of drug overdose deaths (all ages)		0	2,137
% 60+ current smokers		14.7%	13.1%
% 65+ with alcohol abuse disorder		0.9%	1.3%
% 65+ with drug abuse/substance abuse disorder		2.9%	2.6%
MENTAL HEALTH			
% 60+ with 15+ days poor mental health in last month		9.2%	9.8%
% 65+ with depression		18.5%	16.4%
% 65+ with schizophrenia & other psychotic disorder		2.7%	2.2%
LIVING WITH DISABILITY			
% 65+ with self-reported hearing difficulty		21.3%	15.5%
% 65+ with self-reported vision difficulty		11.3%	8.7%
% 65+ with self-reported cognition difficulty	*	21.6%	11.2%
% 65+ with self-reported ambulatory difficulty		33.8%	28.0%
% 65+ with self-reported self-care difficulty		14.5%	10.2%
% 65+ with self-reported independent living difficulty	*	32.9%	17.3%
CAREGIVING			
% of grandparents raising grandchildren		2.0%	2.4%
% of grandparents who live with grandchildren		4.5%	4.7%
ACCESS TO CARE			
% 60+ with a regular doctor		94.4%	92.0%
% 60+ who did not see a doctor when needed due to cost		8.5%	8.6%
# of primary care providers in county		66	3,571
# of rural health care centers in county		7	191
# of hospitals in county		2	101
# of home health agencies in county		0	45
# of nursing homes in county		1	204
# of community health centers in county		1	20
# of adult day health centers in county		0	8
# of hospice agencies in county		0	94

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COMMUNITY			
Particulate matter PM2.5		N/A	9.1
Ozone		N/A	0.361
Air pollution: annual # of unhealthy days for 65+		N/A	N/A
Age-friendly efforts in county		Not yet	Not yet
# of senior centers in county		1	115
% households that have smartphone (all ages)	*	23.9%	15.3%
% households without computer (all ages)	*	18.0%	13.5%
% households with access to Broadband (all ages)	*	66.3%	75.8%
% households without access to Internet (all ages)	*	33.4%	23.9%
Voter participation rate in 2020 presidential election (age 18+)		54.4%	61.2%
SAFETY & CRIME			
Homicide rate/100,000 persons		11.3	14.1
# firearm fatalities (all ages)		29	3,428
# 60+ deaths by suicide		0	562
TRANSPORTATION			
% 65+ who own a motor vehicle		81.9%	91.5%
% 60+ who always drive or ride wearing a seatbelt		84.3%	89.6%
# of fatal crashes involving adult age 60+		13	780
HOUSING			
% 65+ population who live alone		28.6%	28.1%
Average household size (all ages)	*	2.7	2.6
Median house value	*	$78,500	$125,500
% 60+ who own home		82.3%	82.7%
% 60+ homeowners who have mortgage	*	21.5%	32.1%
% 65+ households(renter) who spend >35% of income on housing	*	8.4%	33.5%
% 65+ households(owner) who spend >35% of income on housing		16.1%	15.2%
ECONOMIC			
% 60+ receiving food benefits in last year		10.9%	11.4%
% 65+ employed in last year		17.6%	15.6%
% 65+ with income below the poverty line in last year		15.1%	12.8%
65+ median household income		$29,681	$36,653
% 65+ households with annual income < $20,000		34.2%	27.4%
% 65+ households with annual income $20,000-$49,999		35.9%	35.5%
% 65+ households with annual income $50,000-$99,999		20.1%	24.6%
% 65+ households with annual income $100,000+		9.7%	12.5%

HEALTHY AGING INDICATORS	RATIO OF COUNTY TO STATE	$ COUNTY ESTIMATE	$ STATE ESTIMATE
Elder Index: COST OF LIVING			
Single, homeowner without mortgage, good health	0.99	$20,544	$20,760
Single, renter, good health	0.95	$22,608	$23,892
Couple, homeowner without mortgage, good health	0.99	$32,772	$33,264
Couple, renter, good health	0.96	$34,836	$36,396

TECHNICAL NOTES

**See our technical report for more information on data sources, measures, and methodology. For most indicators the county and state values are estimates derived from sample data. Thus, it is possible that some of the differences between state and county estimates may be due to chance associated with population sampling. We use the terms "Better" and "Worse" to highlight differences between county and state estimates that we are confident are not due to chance. "Better" is used where a higher/lower value has positive implications for the health of older residents. "Worse" is used where a higher/lower score has negative implications for the health of older people, and when the implication is unclear, we use an *. We balance two goals. First, we aim to report data at very local levels because we believe change is often locally driven. Second, we vowed to protect the privacy of the people providing the information reported. Thus, given the constraints of the data analyzed we used a hierarchical approach to reporting.*

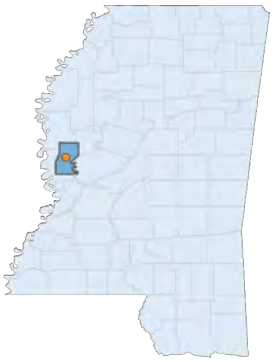
Data Sources:

- *Population Characteristics: The U.S. Census Bureau (American Community Survey 2016-2020) & Robert Wood Johnson Foundation (2020).*
- *COVID-19: Mississippi State Department of Health (MSDH; 2022).*
- *Wellness, Falls, Prevention: The Behavioral Risk Factor Surveillance System (BRFSS; 2013-2020), & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Chronic Disease: The Centers for Medicare and Medicaid Services (CMS) Select Chronic Conditions Database (2018).*
- *Nutrition/Diet, Oral Health: BRFSS (2013-2020) & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Behavioral Health, Mental Health: BRFSS (2013-2020), CMS (2018), & MSDH (2022).*
- *Living with Disability: ACS (2016-2020).*
- *Caregiving: ACS (2016-2020).*
- *Access to Care: BRFSS (2013-2020), CMS (2018), National Adult Day Service Association (June 2022), Community Health Center (Association of Mississippi; June 2022).*
- *Community: Environmental Protection Agency (EPA, 2020), BRFSS (2013-2020), ACS (2016-2020), AARP, & State of Mississippi (May 2022).*
- *Safety & Crime: CDC WONDER (2016-2020).*
- *Transportation: BRFSS (2013-2020), ACS (2016-2020), & Fatality Analysis Reporting System (FARS; 2016-2020).*
- *Housing & Economic: ACS (2016-2020).*
- *Elder Index: Center for Social and Demographic Research on Aging at the University of Massachusetts Boston (2022).*

Acknowledgments: Many people contributed to the MS Healthy Aging Data Report research. The University of Massachusetts Boston Gerontology Institute 2022 research team: Beth Dugan PhD, Nina Silverstein PhD, Chae Man Lee PhD, Taylor Jansen MS, Shu Xu MS, & Yanjhu Su MS. Dr. Kina White from the Mississippi State Department of Health provided important guidance and leadership.

Questions? Beth.Dugan@umb.edu

Sharkey



POPULATION CHARACTERISTICS	County rate is significantly different than State rate	COUNTY ESTIMATE	STATE ESTIMATE
Total population all ages		4,427	2,981,835
Population 60 years or older as % of total population		25.2%	22.3%
Total population 60 years or older		1,114	663,581
Population 65 years or older as % of total population		17.2%	15.9%
Total population 65 years or older		763	474,270
% 65-74 years		60.9%	59.7%
% 75-84 years		27.7%	29.4%
% 85 years or older		11.4%	10.1%
% 65+ population who are female		59.2%	56.5%
% 85+ population who are female		86.2%	67.4%
Race and ethnicity of the population 65+			
% White	*	36.6%	70.9%
% African American	*	62.1%	26.9%
% Other race(s)		1.3%	2.2%
% Hispanic/Latino		0.5%	1.0%
Marital status of the population 65+			
% married		49.1%	53.1%
% divorced/separated		8.4%	14.5%
% widowed		26.0%	27.1%
% never married	*	16.5%	5.3%
Education of the population 65+			
% with less than high school education		25.0%	20.1%
% with high school or some college	*	45.7%	58.7%
% with college degree		15.1%	11.8%
% with graduate or professional degree		14.2%	9.4%
% of 65+ population who speak only English at home		99.2%	97.8%
% of 65+ population who are veterans of military service	*	4.1%	15.8%
Life expectancy at birth		70.3	74.6

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COVID-19			
Total COVID-19 cases since March 2020		952	797,161
COVID-19 mortality rate per 100,000 people		587.3	417.1
% of county received at least one vaccine dose		62.0%	53.7%
% of county fully vaccinated		56.0%	48.9%
WELLNESS			
% 60+ getting the recommended hours of sleep		63.4%	59.9%
% 60+ doing any physical activity within last month		56.8%	61.3%
% 60+ met CDC guidelines for muscle-strengthening activity		18.0%	19.0%
% 60+ met CDC guidelines for aerobic physical activity		35.9%	39.8%
% 60+ with fair or poor health status		35.6%	32.5%
% 60+ with 15+ physically unhealthy days in last month		20.7%	18.7%
FALLS			
% 60+ who fell within last year	B	17.5%	27.8%
% 60+ who were injured in a fall within last year		10.1%	10.6%
PREVENTION			
% 60+ with physical exam/check-up in last year		90.8%	89.0%
% 60+ had flu shot in last year		60.2%	57.6%
% 60+ had pneumonia vaccine		54.1%	58.9%
% 60+ had shingles vaccine		25.3%	24.4%
% 60+ women with a mammogram within last 2 years		66.0%	71.0%
% 60+ with colorectal cancer screening		59.7%	57.1%
% 60+ with HIV test	*	32.2%	20.8%
% 60+ met CDC preventive health screening goals		23.7%	26.2%
CHRONIC DISEASE			
% 65+ with Alzheimer’s disease or related dementias		N/A	12.9%
% 65+ with arthritis		33.9%	39.8%
% 65+ with asthma		N/A	3.7%
% 65+ with atrial fibrillation		N/A	8.9%
% 65+ with cancer (breast, colorectal, lung, prostate)		N/A	8.8%
% 65+ with chronic kidney disease		22.3%	25.3%
% 65+ with chronic obstructive pulmonary disease (COPD)		8.9%	12.6%
% 65+ with diabetes		37.5%	30.7%
% 65+ with high cholesterol		44.7%	48.9%
% 65+ with heart failure		23.0%	16.1%
% 65+ with hypertension		73.3%	67.9%
% 65+ with ischemic heart disease		26.5%	31.9%
% 65+ with osteoporosis		N/A	6.4%
% 65+ with stroke		N/A	4.4%

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
NUTRITION & DIET			
% 60+ with 5 or more servings of fruits or vegetables per day		11.5%	11.1%
% 60+ self-reported obese		36.8%	36.0%
% 60+ with cholesterol screening		96.7%	94.7%
ORAL HEALTH			
% 60+ with annual dental exam		57.6%	56.3%
# of dentists per 100,000 persons (all ages)		0.0	42.1
% 60+ with loss of 6 or more teeth		52.4%	45.8%
BEHAVIORAL HEALTH			
# of drug overdose deaths (all ages)		0	2,137
% 60+ current smokers		14.7%	13.1%
% 65+ with alcohol abuse disorder		N/A	1.3%
% 65+ with drug abuse/substance abuse disorder		2.5%	2.6%
MENTAL HEALTH			
% 60+ with 15+ days poor mental health in last month		9.5%	9.8%
% 65+ with depression		13.6%	16.4%
% 65+ with schizophrenia & other psychotic disorder		2.8%	2.2%
LIVING WITH DISABILITY			
% 65+ with self-reported hearing difficulty		18.2%	15.5%
% 65+ with self-reported vision difficulty		6.7%	8.7%
% 65+ with self-reported cognition difficulty		10.5%	11.2%
% 65+ with self-reported ambulatory difficulty		23.8%	28.0%
% 65+ with self-reported self-care difficulty		4.7%	10.2%
% 65+ with self-reported independent living difficulty		18.2%	17.3%
CAREGIVING			
% of grandparents raising grandchildren		5.4%	2.4%
% of grandparents who live with grandchildren	*	9.9%	4.7%
ACCESS TO CARE			
% 60+ with a regular doctor		91.0%	92.0%
% 60+ who did not see a doctor when needed due to cost		7.5%	8.6%
# of primary care providers in county		3	3,571
# of rural health care centers in county		1	191
# of hospitals in county		1	101
# of home health agencies in county		0	45
# of nursing homes in county		1	204
# of community health centers in county		0	20
# of adult day health centers in county		0	8
# of hospice agencies in county		0	94

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COMMUNITY			
Particulate matter PM2.5		N/A	9.1
Ozone		N/A	0.361
Air pollution: annual # of unhealthy days for 65+		N/A	N/A
Age-friendly efforts in county		Not yet	Not yet
# of senior centers in county		1	115
% households that have smartphone (all ages)		11.9%	15.3%
% households without computer (all ages)		20.0%	13.5%
% households with access to Broadband (all ages)	*	64.3%	75.8%
% households without access to Internet (all ages)	*	35.7%	23.9%
Voter participation rate in 2020 presidential election (age 18+)		63.5%	61.2%
SAFETY & CRIME			
Homicide rate/100,000 persons		0.0	14.1
# firearm fatalities (all ages)		0	3,428
# 60+ deaths by suicide		0	562
TRANSPORTATION			
% 65+ who own a motor vehicle		91.6%	91.5%
% 60+ who always drive or ride wearing a seatbelt		90.2%	89.6%
# of fatal crashes involving adult age 60+		2	780
HOUSING			
% 65+ population who live alone		21.0%	28.1%
Average household size (all ages)		2.4	2.6
Median house value	*	$63,400	$125,500
% 60+ who own home	*	72.8%	82.7%
% 60+ homeowners who have mortgage		27.8%	32.1%
% 65+ households(renter) who spend >35% of income on housing	*	2.7%	33.5%
% 65+ households(owner) who spend >35% of income on housing		13.9%	15.2%
ECONOMIC			
% 60+ receiving food benefits in last year	*	29.6%	11.4%
% 65+ employed in last year		25.2%	15.6%
% 65+ with income below the poverty line in last year		17.3%	12.8%
65+ median household income		$44,129	$36,653
% 65+ households with annual income < $20,000		21.3%	27.4%
% 65+ households with annual income $20,000-$49,999		36.0%	35.5%
% 65+ households with annual income $50,000-$99,999		26.8%	24.6%
% 65+ households with annual income $100,000+		15.8%	12.5%

HEALTHY AGING INDICATORS	RATIO OF COUNTY TO STATE	$ COUNTY ESTIMATE	$ STATE ESTIMATE
Elder Index: COST OF LIVING			
Single, homeowner without mortgage, good health	1.03	$21,408	$20,760
Single, renter, good health	0.99	$23,652	$23,892
Couple, homeowner without mortgage, good health	1.04	$34,728	$33,264
Couple, renter, good health	1.02	$36,972	$36,396

TECHNICAL NOTES

**See our technical report for more information on data sources, measures, and methodology. For most indicators the county and state values are estimates derived from sample data. Thus, it is possible that some of the differences between state and county estimates may be due to chance associated with population sampling. We use the terms "Better" and "Worse" to highlight differences between county and state estimates that we are confident are not due to chance. "Better" is used where a higher/lower value has positive implications for the health of older residents. "Worse" is used where a higher/lower score has negative implications for the health of older people, and when the implication is unclear, we use an *. We balance two goals. First, we aim to report data at very local levels because we believe change is often locally driven. Second, we vowed to protect the privacy of the people providing the information reported. Thus, given the constraints of the data analyzed we used a hierarchical approach to reporting.*

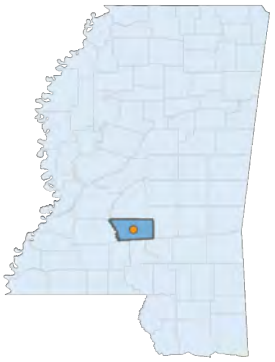
Data Sources:

- *Population Characteristics: The U.S. Census Bureau (American Community Survey 2016-2020) & Robert Wood Johnson Foundation (2020).*
- *COVID-19: Mississippi State Department of Health (MSDH; 2022).*
- *Wellness, Falls, Prevention: The Behavioral Risk Factor Surveillance System (BRFSS; 2013-2020), & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Chronic Disease: The Centers for Medicare and Medicaid Services (CMS) Select Chronic Conditions Database (2018).*
- *Nutrition/Diet, Oral Health: BRFSS (2013-2020) & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Behavioral Health, Mental Health: BRFSS (2013-2020), CMS (2018), & MSDH (2022).*
- *Living with Disability: ACS (2016-2020).*
- *Caregiving: ACS (2016-2020).*
- *Access to Care: BRFSS (2013-2020), CMS (2018), National Adult Day Service Association (June 2022), Community Health Center (Association of Mississippi; June 2022).*
- *Community: Environmental Protection Agency (EPA, 2020), BRFSS (2013-2020), ACS (2016-2020), AARP, & State of Mississippi (May 2022).*
- *Safety & Crime: CDC WONDER (2016-2020).*
- *Transportation: BRFSS (2013-2020), ACS (2016-2020), & Fatality Analysis Reporting System (FARS; 2016-2020).*
- *Housing & Economic: ACS (2016-2020).*
- *Elder Index: Center for Social and Demographic Research on Aging at the University of Massachusetts Boston (2022).*

Acknowledgments: Many people contributed to the MS Healthy Aging Data Report research. The University of Massachusetts Boston Gerontology Institute 2022 research team: Beth Dugan PhD, Nina Silverstein PhD, Chae Man Lee PhD, Taylor Jansen MS, Shu Xu MS, & Yanjhu Su MS. Dr. Kina White from the Mississippi State Department of Health provided important guidance and leadership.

Questions? Beth.Dugan@umb.edu

Simpson



POPULATION CHARACTERISTICS	County rate is significantly different than State rate	COUNTY ESTIMATE	STATE ESTIMATE
Total population all ages		26,818	2,981,835
Population 60 years or older as % of total population		24.8%	22.3%
Total population 60 years or older		6,657	663,581
Population 65 years or older as % of total population		17.7%	15.9%
Total population 65 years or older		4,760	474,270
% 65-74 years		58.3%	59.7%
% 75-84 years		29.1%	29.4%
% 85 years or older		12.6%	10.1%
% 65+ population who are female		55.9%	56.5%
% 85+ population who are female		74.6%	67.4%
Race and ethnicity of the population 65+			
% White		71.8%	70.9%
% African American		26.8%	26.9%
% Other race(s)		1.4%	2.2%
% Hispanic/Latino		0.6%	1.0%
Marital status of the population 65+			
% married	*	41.9%	53.1%
% divorced/separated	*	21.1%	14.5%
% widowed		30.8%	27.1%
% never married		6.2%	5.3%
Education of the population 65+			
% with less than high school education	*	29.4%	20.1%
% with high school or some college	*	51.5%	58.7%
% with college degree		15.0%	11.8%
% with graduate or professional degree	*	4.1%	9.4%
% of 65+ population who speak only English at home		99.8%	97.8%
% of 65+ population who are veterans of military service		15.0%	15.8%
Life expectancy at birth		75.0	74.6

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COVID-19			
Total COVID-19 cases since March 2020		7,013	797,161
COVID-19 mortality rate per 100,000 people		551.9	417.1
% of county received at least one vaccine dose		50.0%	53.7%
% of county fully vaccinated		46.0%	48.9%
WELLNESS			
% 60+ getting the recommended hours of sleep		64.6%	59.9%
% 60+ doing any physical activity within last month		55.9%	61.3%
% 60+ met CDC guidelines for muscle-strengthening activity		14.2%	19.0%
% 60+ met CDC guidelines for aerobic physical activity		39.6%	39.8%
% 60+ with fair or poor health status		36.4%	32.5%
% 60+ with 15+ physically unhealthy days in last month		20.0%	18.7%
FALLS			
% 60+ who fell within last year		27.4%	27.8%
% 60+ who were injured in a fall within last year		10.1%	10.6%
PREVENTION			
% 60+ with physical exam/check-up in last year		88.0%	89.0%
% 60+ had flu shot in last year		61.5%	57.6%
% 60+ had pneumonia vaccine		60.6%	58.9%
% 60+ had shingles vaccine		29.2%	24.4%
% 60+ women with a mammogram within last 2 years		80.4%	71.0%
% 60+ with colorectal cancer screening		60.8%	57.1%
% 60+ with HIV test		22.6%	20.8%
% 60+ met CDC preventive health screening goals		23.6%	26.2%
CHRONIC DISEASE			
% 65+ with Alzheimer’s disease or related dementias		12.6%	12.9%
% 65+ with arthritis		38.4%	39.8%
% 65+ with asthma		3.0%	3.7%
% 65+ with atrial fibrillation		8.3%	8.9%
% 65+ with cancer (breast, colorectal, lung, prostate)		6.6%	8.8%
% 65+ with chronic kidney disease		20.7%	25.3%
% 65+ with chronic obstructive pulmonary disease (COPD)		12.1%	12.6%
% 65+ with diabetes		28.4%	30.7%
% 65+ with high cholesterol		37.1%	48.9%
% 65+ with heart failure		15.5%	16.1%
% 65+ with hypertension		64.1%	67.9%
% 65+ with ischemic heart disease		28.7%	31.9%
% 65+ with osteoporosis		4.7%	6.4%
% 65+ with stroke		4.3%	4.4%

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
NUTRITION & DIET			
% 60+ with 5 or more servings of fruits or vegetables per day		11.5%	11.1%
% 60+ self-reported obese		39.6%	36.0%
% 60+ with cholesterol screening		93.8%	94.7%
ORAL HEALTH			
% 60+ with annual dental exam		56.8%	56.3%
# of dentists per 100,000 persons (all ages)		30.0	42.1
% 60+ with loss of 6 or more teeth		52.0%	45.8%
BEHAVIORAL HEALTH			
# of drug overdose deaths (all ages)		20	2,137
% 60+ current smokers		13.8%	13.1%
% 65+ with alcohol abuse disorder		0.8%	1.3%
% 65+ with drug abuse/substance abuse disorder		1.7%	2.6%
MENTAL HEALTH			
% 60+ with 15+ days poor mental health in last month		9.5%	9.8%
% 65+ with depression		17.9%	16.4%
% 65+ with schizophrenia & other psychotic disorder		2.8%	2.2%
LIVING WITH DISABILITY			
% 65+ with self-reported hearing difficulty		11.8%	15.5%
% 65+ with self-reported vision difficulty		9.4%	8.7%
% 65+ with self-reported cognition difficulty		14.5%	11.2%
% 65+ with self-reported ambulatory difficulty		25.5%	28.0%
% 65+ with self-reported self-care difficulty		10.1%	10.2%
% 65+ with self-reported independent living difficulty		16.2%	17.3%
CAREGIVING			
% of grandparents raising grandchildren	*	4.0%	2.4%
% of grandparents who live with grandchildren	*	6.2%	4.7%
ACCESS TO CARE			
% 60+ with a regular doctor	B	96.3%	92.0%
% 60+ who did not see a doctor when needed due to cost		7.5%	8.6%
# of primary care providers in county		23	3,571
# of rural health care centers in county		5	191
# of hospitals in county		2	101
# of home health agencies in county		0	45
# of nursing homes in county		2	204
# of community health centers in county		0	20
# of adult day health centers in county		0	8
# of hospice agencies in county		0	94

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COMMUNITY			
Particulate matter PM2.5		N/A	9.1
Ozone		N/A	0.361
Air pollution: annual # of unhealthy days for 65+		N/A	N/A
Age-friendly efforts in county		Not yet	Not yet
# of senior centers in county		1	115
% households that have smartphone (all ages)		18.5%	15.3%
% households without computer (all ages)		17.0%	13.5%
% households with access to Broadband (all ages)	*	67.9%	75.8%
% households without access to Internet (all ages)	*	31.5%	23.9%
Voter participation rate in 2020 presidential election (age 18+)		63.5%	61.2%
SAFETY & CRIME			
Homicide rate/100,000 persons		9.7	14.1
# firearm fatalities (all ages)		29	3,428
# 60+ deaths by suicide		0	562
TRANSPORTATION			
% 65+ who own a motor vehicle		91.9%	91.5%
% 60+ who always drive or ride wearing a seatbelt		86.5%	89.6%
# of fatal crashes involving adult age 60+		12	780
HOUSING			
% 65+ population who live alone		31.2%	28.1%
Average household size (all ages)		2.7	2.6
Median house value	*	$86,600	$125,500
% 60+ who own home	*	87.3%	82.7%
% 60+ homeowners who have mortgage	*	16.7%	32.1%
% 65+ households(renter) who spend >35% of income on housing		31.6%	33.5%
% 65+ households(owner) who spend >35% of income on housing	*	9.2%	15.2%
ECONOMIC			
% 60+ receiving food benefits in last year	*	18.2%	11.4%
% 65+ employed in last year		12.3%	15.6%
% 65+ with income below the poverty line in last year		14.1%	12.8%
65+ median household income		$32,046	$36,653
% 65+ households with annual income < $20,000		26.9%	27.4%
% 65+ households with annual income $20,000-$49,999		42.7%	35.5%
% 65+ households with annual income $50,000-$99,999		21.2%	24.6%
% 65+ households with annual income $100,000+		9.3%	12.5%

HEALTHY AGING INDICATORS	RATIO OF COUNTY TO STATE	$ COUNTY ESTIMATE	$ STATE ESTIMATE
Elder Index: COST OF LIVING			
Single, homeowner without mortgage, good health	0.97	$20,088	$20,760
Single, renter, good health	0.98	$23,424	$23,892
Couple, homeowner without mortgage, good health	0.97	$32,232	$33,264
Couple, renter, good health	0.98	$35,568	$36,396

TECHNICAL NOTES

**See our technical report for more information on data sources, measures, and methodology. For most indicators the county and state values are estimates derived from sample data. Thus, it is possible that some of the differences between state and county estimates may be due to chance associated with population sampling. We use the terms "Better" and "Worse" to highlight differences between county and state estimates that we are confident are not due to chance. "Better" is used where a higher/lower value has positive implications for the health of older residents. "Worse" is used where a higher/lower score has negative implications for the health of older people, and when the implication is unclear, we use an *. We balance two goals. First, we aim to report data at very local levels because we believe change is often locally driven. Second, we vowed to protect the privacy of the people providing the information reported. Thus, given the constraints of the data analyzed we used a hierarchical approach to reporting.*

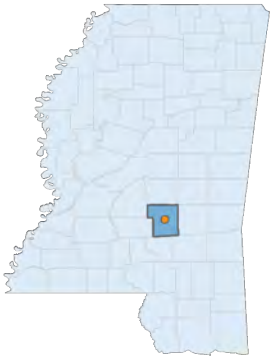
Data Sources:

- *Population Characteristics: The U.S. Census Bureau (American Community Survey 2016-2020) & Robert Wood Johnson Foundation (2020).*
- *COVID-19: Mississippi State Department of Health (MSDH; 2022).*
- *Wellness, Falls, Prevention: The Behavioral Risk Factor Surveillance System (BRFSS; 2013-2020), & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Chronic Disease: The Centers for Medicare and Medicaid Services (CMS) Select Chronic Conditions Database (2018).*
- *Nutrition/Diet, Oral Health: BRFSS (2013-2020) & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Behavioral Health, Mental Health: BRFSS (2013-2020), CMS (2018), & MSDH (2022).*
- *Living with Disability: ACS (2016-2020).*
- *Caregiving: ACS (2016-2020).*
- *Access to Care: BRFSS (2013-2020), CMS (2018), National Adult Day Service Association (June 2022), Community Health Center (Association of Mississippi; June 2022).*
- *Community: Environmental Protection Agency (EPA, 2020), BRFSS (2013-2020), ACS (2016-2020), AARP, & State of Mississippi (May 2022).*
- *Safety & Crime: CDC WONDER (2016-2020).*
- *Transportation: BRFSS (2013-2020), ACS (2016-2020), & Fatality Analysis Reporting System (FARS; 2016-2020).*
- *Housing & Economic: ACS (2016-2020).*
- *Elder Index: Center for Social and Demographic Research on Aging at the University of Massachusetts Boston (2022).*

Acknowledgments: Many people contributed to the MS Healthy Aging Data Report research. The University of Massachusetts Boston Gerontology Institute 2022 research team: Beth Dugan PhD, Nina Silverstein PhD, Chae Man Lee PhD, Taylor Jansen MS, Shu Xu MS, & Yanjhu Su MS. Dr. Kina White from the Mississippi State Department of Health provided important guidance and leadership.

Questions? Beth.Dugan@umb.edu

Smith



POPULATION CHARACTERISTICS	County rate is significantly different than State rate	COUNTY ESTIMATE	STATE ESTIMATE
Total population all ages		15,919	2,981,835
Population 60 years or older as % of total population		25.6%	22.3%
Total population 60 years or older		4,079	663,581
Population 65 years or older as % of total population		19.6%	15.9%
Total population 65 years or older		3,121	474,270
% 65-74 years		57.1%	59.7%
% 75-84 years		31.5%	29.4%
% 85 years or older		11.4%	10.1%
% 65+ population who are female		55.7%	56.5%
% 85+ population who are female		68.9%	67.4%
Race and ethnicity of the population 65+			
% White	*	82.3%	70.9%
% African American	*	16.3%	26.9%
% Other race(s)		1.4%	2.2%
% Hispanic/Latino		0.0%	1.0%
Marital status of the population 65+			
% married		53.7%	53.1%
% divorced/separated	*	8.5%	14.5%
% widowed		32.4%	27.1%
% never married		5.5%	5.3%
Education of the population 65+			
% with less than high school education		27.3%	20.1%
% with high school or some college		60.0%	58.7%
% with college degree	*	6.3%	11.8%
% with graduate or professional degree		6.4%	9.4%
% of 65+ population who speak only English at home		98.6%	97.8%
% of 65+ population who are veterans of military service	*	11.6%	15.8%
Life expectancy at birth		76.2	74.6

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COVID-19			
Total COVID-19 cases since March 2020		4,113	797,161
COVID-19 mortality rate per 100,000 people		427.2	417.1
% of county received at least one vaccine dose		38.0%	53.7%
% of county fully vaccinated		35.0%	48.9%
WELLNESS			
% 60+ getting the recommended hours of sleep		62.7%	59.9%
% 60+ doing any physical activity within last month		61.0%	61.3%
% 60+ met CDC guidelines for muscle-strengthening activity		17.2%	19.0%
% 60+ met CDC guidelines for aerobic physical activity	W	29.2%	39.8%
% 60+ with fair or poor health status		37.5%	32.5%
% 60+ with 15+ physically unhealthy days in last month		18.2%	18.7%
FALLS			
% 60+ who fell within last year		30.0%	27.8%
% 60+ who were injured in a fall within last year		9.0%	10.6%
PREVENTION			
% 60+ with physical exam/check-up in last year		86.0%	89.0%
% 60+ had flu shot in last year		52.2%	57.6%
% 60+ had pneumonia vaccine		57.9%	58.9%
% 60+ had shingles vaccine		25.3%	24.4%
% 60+ women with a mammogram within last 2 years		58.8%	71.0%
% 60+ with colorectal cancer screening		57.4%	57.1%
% 60+ with HIV test	*	12.6%	20.8%
% 60+ met CDC preventive health screening goals		20.7%	26.2%
CHRONIC DISEASE			
% 65+ with Alzheimer’s disease or related dementias		13.7%	12.9%
% 65+ with arthritis		41.6%	39.8%
% 65+ with asthma		3.3%	3.7%
% 65+ with atrial fibrillation		N/A	8.9%
% 65+ with cancer (breast, colorectal, lung, prostate)		N/A	8.8%
% 65+ with chronic kidney disease		22.5%	25.3%
% 65+ with chronic obstructive pulmonary disease (COPD)		13.0%	12.6%
% 65+ with diabetes		30.6%	30.7%
% 65+ with high cholesterol		43.3%	48.9%
% 65+ with heart failure		16.0%	16.1%
% 65+ with hypertension		68.5%	67.9%
% 65+ with ischemic heart disease		30.3%	31.9%
% 65+ with osteoporosis		N/A	6.4%
% 65+ with stroke		N/A	4.4%

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
NUTRITION & DIET			
% 60+ with 5 or more servings of fruits or vegetables per day		11.8%	11.1%
% 60+ self-reported obese		41.9%	36.0%
% 60+ with cholesterol screening		91.9%	94.7%
ORAL HEALTH			
% 60+ with annual dental exam		48.9%	56.3%
# of dentists per 100,000 persons (all ages)		12.7	42.1
% 60+ with loss of 6 or more teeth		51.4%	45.8%
BEHAVIORAL HEALTH			
# of drug overdose deaths (all ages)		17	2,137
% 60+ current smokers		14.7%	13.1%
% 65+ with alcohol abuse disorder		1.1%	1.3%
% 65+ with drug abuse/substance abuse disorder		2.5%	2.6%
MENTAL HEALTH			
% 60+ with 15+ days poor mental health in last month		9.2%	9.8%
% 65+ with depression		20.2%	16.4%
% 65+ with schizophrenia & other psychotic disorder		2.9%	2.2%
LIVING WITH DISABILITY			
% 65+ with self-reported hearing difficulty		19.2%	15.5%
% 65+ with self-reported vision difficulty		9.4%	8.7%
% 65+ with self-reported cognition difficulty		9.4%	11.2%
% 65+ with self-reported ambulatory difficulty		31.8%	28.0%
% 65+ with self-reported self-care difficulty		10.0%	10.2%
% 65+ with self-reported independent living difficulty		16.1%	17.3%
CAREGIVING			
% of grandparents raising grandchildren		6.8%	2.4%
% of grandparents who live with grandchildren		9.0%	4.7%
ACCESS TO CARE			
% 60+ with a regular doctor		94.4%	92.0%
% 60+ who did not see a doctor when needed due to cost		8.5%	8.6%
# of primary care providers in county		5	3,571
# of rural health care centers in county		1	191
# of hospitals in county		1	101
# of home health agencies in county		0	45
# of nursing homes in county		1	204
# of community health centers in county		0	20
# of adult day health centers in county		0	8
# of hospice agencies in county		0	94

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COMMUNITY			
Particulate matter PM2.5		N/A	9.1
Ozone		N/A	0.361
Air pollution: annual # of unhealthy days for 65+		N/A	N/A
Age-friendly efforts in county		Not yet	Not yet
# of senior centers in county		0	115
% households that have smartphone (all ages)	*	30.4%	15.3%
% households without computer (all ages)	*	18.4%	13.5%
% households with access to Broadband (all ages)	*	48.2%	75.8%
% households without access to Internet (all ages)	*	51.0%	23.9%
Voter participation rate in 2020 presidential election (age 18+)		70.8%	61.2%
SAFETY & CRIME			
Homicide rate/100,000 persons		0.0	14.1
# firearm fatalities (all ages)		23	3,428
# 60+ deaths by suicide		0	562
TRANSPORTATION			
% 65+ who own a motor vehicle		91.6%	91.5%
% 60+ who always drive or ride wearing a seatbelt		84.3%	89.6%
# of fatal crashes involving adult age 60+		1	780
HOUSING			
% 65+ population who live alone		32.6%	28.1%
Average household size (all ages)		2.7	2.6
Median house value	*	$108,300	$125,500
% 60+ who own home	*	92.2%	82.7%
% 60+ homeowners who have mortgage	*	20.8%	32.1%
% 65+ households(renter) who spend >35% of income on housing	*	14.8%	33.5%
% 65+ households(owner) who spend >35% of income on housing		11.9%	15.2%
ECONOMIC			
% 60+ receiving food benefits in last year		8.4%	11.4%
% 65+ employed in last year		13.0%	15.6%
% 65+ with income below the poverty line in last year		14.4%	12.8%
65+ median household income	*	$25,931	$36,653
% 65+ households with annual income < $20,000		38.8%	27.4%
% 65+ households with annual income $20,000-$49,999		28.9%	35.5%
% 65+ households with annual income $50,000-$99,999		21.5%	24.6%
% 65+ households with annual income $100,000+		10.8%	12.5%

HEALTHY AGING INDICATORS	RATIO OF COUNTY TO STATE	$ COUNTY ESTIMATE	$ STATE ESTIMATE
Elder Index: COST OF LIVING			
Single, homeowner without mortgage, good health	1.04	$21,648	$20,760
Single, renter, good health	0.99	$23,724	$23,892
Couple, homeowner without mortgage, good health	1.05	$34,968	$33,264
Couple, renter, good health	1.02	$37,044	$36,396

TECHNICAL NOTES

**See our technical report for more information on data sources, measures, and methodology. For most indicators the county and state values are estimates derived from sample data. Thus, it is possible that some of the differences between state and county estimates may be due to chance associated with population sampling. We use the terms "Better" and "Worse" to highlight differences between county and state estimates that we are confident are not due to chance. "Better" is used where a higher/lower value has positive implications for the health of older residents. "Worse" is used where a higher/lower score has negative implications for the health of older people, and when the implication is unclear, we use an *. We balance two goals. First, we aim to report data at very local levels because we believe change is often locally driven. Second, we vowed to protect the privacy of the people providing the information reported. Thus, given the constraints of the data analyzed we used a hierarchical approach to reporting.*

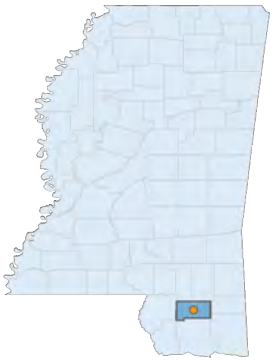
Data Sources:

- *Population Characteristics: The U.S. Census Bureau (American Community Survey 2016-2020) & Robert Wood Johnson Foundation (2020).*
- *COVID-19: Mississippi State Department of Health (MSDH; 2022).*
- *Wellness, Falls, Prevention: The Behavioral Risk Factor Surveillance System (BRFSS; 2013-2020), & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Chronic Disease: The Centers for Medicare and Medicaid Services (CMS) Select Chronic Conditions Database (2018).*
- *Nutrition/Diet, Oral Health: BRFSS (2013-2020) & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Behavioral Health, Mental Health: BRFSS (2013-2020), CMS (2018), & MSDH (2022).*
- *Living with Disability: ACS (2016-2020).*
- *Caregiving: ACS (2016-2020).*
- *Access to Care: BRFSS (2013-2020), CMS (2018), National Adult Day Service Association (June 2022), Community Health Center (Association of Mississippi; June 2022).*
- *Community: Environmental Protection Agency (EPA, 2020), BRFSS (2013-2020), ACS (2016-2020), AARP, & State of Mississippi (May 2022).*
- *Safety & Crime: CDC WONDER (2016-2020).*
- *Transportation: BRFSS (2013-2020), ACS (2016-2020), & Fatality Analysis Reporting System (FARS; 2016-2020).*
- *Housing & Economic: ACS (2016-2020).*
- *Elder Index: Center for Social and Demographic Research on Aging at the University of Massachusetts Boston (2022).*

Acknowledgments: Many people contributed to the MS Healthy Aging Data Report research. The University of Massachusetts Boston Gerontology Institute 2022 research team: Beth Dugan PhD, Nina Silverstein PhD, Chae Man Lee PhD, Taylor Jansen MS, Shu Xu MS, & Yanjhu Su MS. Dr. Kina White from the Mississippi State Department of Health provided important guidance and leadership.

Questions? Beth.Dugan@umb.edu

Stone



POPULATION CHARACTERISTICS	County rate is significantly different than State rate	COUNTY ESTIMATE	STATE ESTIMATE
Total population all ages		18,282	2,981,835
Population 60 years or older as % of total population		24.9%	22.3%
Total population 60 years or older		4,557	663,581
Population 65 years or older as % of total population		16.8%	15.9%
Total population 65 years or older		3,069	474,270
% 65-74 years		59.3%	59.7%
% 75-84 years		26.8%	29.4%
% 85 years or older		13.8%	10.1%
% 65+ population who are female		50.0%	56.5%
% 85+ population who are female		58.6%	67.4%
Race and ethnicity of the population 65+			
% White	*	82.9%	70.9%
% African American	*	15.0%	26.9%
% Other race(s)		2.1%	2.2%
% Hispanic/Latino		0.8%	1.0%
Marital status of the population 65+			
% married	*	63.1%	53.1%
% divorced/separated		11.7%	14.5%
% widowed	*	19.1%	27.1%
% never married		6.2%	5.3%
Education of the population 65+			
% with less than high school education	*	12.3%	20.1%
% with high school or some college	*	70.1%	58.7%
% with college degree		8.4%	11.8%
% with graduate or professional degree		9.2%	9.4%
% of 65+ population who speak only English at home		95.6%	97.8%
% of 65+ population who are veterans of military service		18.9%	15.8%
Life expectancy at birth		74.3	74.6

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COVID-19			
Total COVID-19 cases since March 2020		5,402	797,161
COVID-19 mortality rate per 100,000 people		388.4	417.1
% of county received at least one vaccine dose		51.0%	53.7%
% of county fully vaccinated		46.0%	48.9%
WELLNESS			
% 60+ getting the recommended hours of sleep		64.5%	59.9%
% 60+ doing any physical activity within last month		55.7%	61.3%
% 60+ met CDC guidelines for muscle-strengthening activity		18.4%	19.0%
% 60+ met CDC guidelines for aerobic physical activity		41.3%	39.8%
% 60+ with fair or poor health status		30.4%	32.5%
% 60+ with 15+ physically unhealthy days in last month		25.4%	18.7%
FALLS			
% 60+ who fell within last year		30.8%	27.8%
% 60+ who were injured in a fall within last year		11.5%	10.6%
PREVENTION			
% 60+ with physical exam/check-up in last year		88.8%	89.0%
% 60+ had flu shot in last year		51.9%	57.6%
% 60+ had pneumonia vaccine		61.5%	58.9%
% 60+ had shingles vaccine		26.5%	24.4%
% 60+ women with a mammogram within last 2 years		60.6%	71.0%
% 60+ with colorectal cancer screening		51.0%	57.1%
% 60+ with HIV test		20.6%	20.8%
% 60+ met CDC preventive health screening goals		24.0%	26.2%
CHRONIC DISEASE			
% 65+ with Alzheimer’s disease or related dementias		11.4%	12.9%
% 65+ with arthritis		34.5%	39.8%
% 65+ with asthma		3.5%	3.7%
% 65+ with atrial fibrillation		8.6%	8.9%
% 65+ with cancer (breast, colorectal, lung, prostate)		8.6%	8.8%
% 65+ with chronic kidney disease		22.2%	25.3%
% 65+ with chronic obstructive pulmonary disease (COPD)		14.7%	12.6%
% 65+ with diabetes		29.4%	30.7%
% 65+ with high cholesterol		47.3%	48.9%
% 65+ with heart failure		15.0%	16.1%
% 65+ with hypertension		65.0%	67.9%
% 65+ with ischemic heart disease		34.0%	31.9%
% 65+ with osteoporosis		N/A	6.4%
% 65+ with stroke		3.5%	4.4%

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
NUTRITION & DIET			
% 60+ with 5 or more servings of fruits or vegetables per day		13.2%	11.1%
% 60+ self-reported obese		37.8%	36.0%
% 60+ with cholesterol screening		94.3%	94.7%
ORAL HEALTH			
% 60+ with annual dental exam		49.9%	56.3%
# of dentists per 100,000 persons (all ages)		16.3	42.1
% 60+ with loss of 6 or more teeth	W	59.7%	45.8%
BEHAVIORAL HEALTH			
# of drug overdose deaths (all ages)		17	2,137
% 60+ current smokers		15.7%	13.1%
% 65+ with alcohol abuse disorder		0.8%	1.3%
% 65+ with drug abuse/substance abuse disorder		3.5%	2.6%
MENTAL HEALTH			
% 60+ with 15+ days poor mental health in last month		11.3%	9.8%
% 65+ with depression		19.2%	16.4%
% 65+ with schizophrenia & other psychotic disorder		2.1%	2.2%
LIVING WITH DISABILITY			
% 65+ with self-reported hearing difficulty		18.1%	15.5%
% 65+ with self-reported vision difficulty		10.7%	8.7%
% 65+ with self-reported cognition difficulty		12.7%	11.2%
% 65+ with self-reported ambulatory difficulty		32.8%	28.0%
% 65+ with self-reported self-care difficulty	*	22.1%	10.2%
% 65+ with self-reported independent living difficulty		22.9%	17.3%
CAREGIVING			
% of grandparents raising grandchildren		2.2%	2.4%
% of grandparents who live with grandchildren		5.1%	4.7%
ACCESS TO CARE			
% 60+ with a regular doctor		88.4%	92.0%
% 60+ who did not see a doctor when needed due to cost		8.6%	8.6%
# of primary care providers in county		18	3,571
# of rural health care centers in county		3	191
# of hospitals in county		0	101
# of home health agencies in county		0	45
# of nursing homes in county		2	204
# of community health centers in county		0	20
# of adult day health centers in county		0	8
# of hospice agencies in county		2	94

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COMMUNITY			
Particulate matter PM2.5		N/A	9.1
Ozone		N/A	0.361
Air pollution: annual # of unhealthy days for 65+		N/A	N/A
Age-friendly efforts in county		Not yet	Not yet
# of senior centers in county		1	115
% households that have smartphone (all ages)		18.6%	15.3%
% households without computer (all ages)	*	8.8%	13.5%
% households with access to Broadband (all ages)		77.5%	75.8%
% households without access to Internet (all ages)		22.1%	23.9%
Voter participation rate in 2020 presidential election (age 18+)		66.6%	61.2%
SAFETY & CRIME			
Homicide rate/100,000 persons		0.0	14.1
# firearm fatalities (all ages)		16	3,428
# 60+ deaths by suicide		0	562
TRANSPORTATION			
% 65+ who own a motor vehicle		92.1%	91.5%
% 60+ who always drive or ride wearing a seatbelt		91.4%	89.6%
# of fatal crashes involving adult age 60+		3	780
HOUSING			
% 65+ population who live alone	*	18.9%	28.1%
Average household size (all ages)	*	2.8	2.6
Median house value		$124,500	$125,500
% 60+ who own home		85.0%	82.7%
% 60+ homeowners who have mortgage	*	47.6%	32.1%
% 65+ households(renter) who spend >35% of income on housing	*	0.0%	33.5%
% 65+ households(owner) who spend >35% of income on housing		13.5%	15.2%
ECONOMIC			
% 60+ receiving food benefits in last year		12.6%	11.4%
% 65+ employed in last year		14.0%	15.6%
% 65+ with income below the poverty line in last year		8.8%	12.8%
65+ median household income		$50,433	$36,653
% 65+ households with annual income < $20,000		26.9%	27.4%
% 65+ households with annual income $20,000-$49,999	*	22.8%	35.5%
% 65+ households with annual income $50,000-$99,999	*	43.5%	24.6%
% 65+ households with annual income $100,000+	*	6.7%	12.5%

HEALTHY AGING INDICATORS	RATIO OF COUNTY TO STATE	$ COUNTY ESTIMATE	$ STATE ESTIMATE
Elder Index: COST OF LIVING			
Single, homeowner without mortgage, good health	0.99	$20,616	$20,760
Single, renter, good health	0.94	$22,536	$23,892
Couple, homeowner without mortgage, good health	0.98	$32,628	$33,264
Couple, renter, good health	0.95	$34,548	$36,396

TECHNICAL NOTES

**See our technical report for more information on data sources, measures, and methodology. For most indicators the county and state values are estimates derived from sample data. Thus, it is possible that some of the differences between state and county estimates may be due to chance associated with population sampling. We use the terms "Better" and "Worse" to highlight differences between county and state estimates that we are confident are not due to chance. "Better" is used where a higher/lower value has positive implications for the health of older residents. "Worse" is used where a higher/lower score has negative implications for the health of older people, and when the implication is unclear, we use an *. We balance two goals. First, we aim to report data at very local levels because we believe change is often locally driven. Second, we vowed to protect the privacy of the people providing the information reported. Thus, given the constraints of the data analyzed we used a hierarchical approach to reporting.*

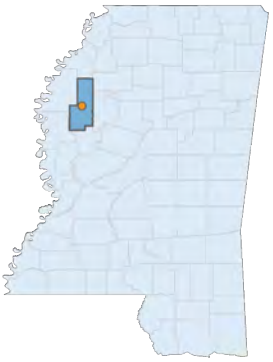
Data Sources:

- *Population Characteristics: The U.S. Census Bureau (American Community Survey 2016-2020) & Robert Wood Johnson Foundation (2020).*
- *COVID-19: Mississippi State Department of Health (MSDH; 2022).*
- *Wellness, Falls, Prevention: The Behavioral Risk Factor Surveillance System (BRFSS; 2013-2020), & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Chronic Disease: The Centers for Medicare and Medicaid Services (CMS) Select Chronic Conditions Database (2018).*
- *Nutrition/Diet, Oral Health: BRFSS (2013-2020) & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Behavioral Health, Mental Health: BRFSS (2013-2020), CMS (2018), & MSDH (2022).*
- *Living with Disability: ACS (2016-2020).*
- *Caregiving: ACS (2016-2020).*
- *Access to Care: BRFSS (2013-2020), CMS (2018), National Adult Day Service Association (June 2022), Community Health Center (Association of Mississippi; June 2022).*
- *Community: Environmental Protection Agency (EPA, 2020), BRFSS (2013-2020), ACS (2016-2020), AARP, & State of Mississippi (May 2022).*
- *Safety & Crime: CDC WONDER (2016-2020).*
- *Transportation: BRFSS (2013-2020), ACS (2016-2020), & Fatality Analysis Reporting System (FARS; 2016-2020).*
- *Housing & Economic: ACS (2016-2020).*
- *Elder Index: Center for Social and Demographic Research on Aging at the University of Massachusetts Boston (2022).*

Acknowledgments: Many people contributed to the MS Healthy Aging Data Report research. The University of Massachusetts Boston Gerontology Institute 2022 research team: Beth Dugan PhD, Nina Silverstein PhD, Chae Man Lee PhD, Taylor Jansen MS, Shu Xu MS, & Yanjhu Su MS. Dr. Kina White from the Mississippi State Department of Health provided important guidance and leadership.

Questions? Beth.Dugan@umb.edu

Sunflower



POPULATION CHARACTERISTICS	County rate is significantly different than State rate	COUNTY ESTIMATE	STATE ESTIMATE
Total population all ages		25,759	2,981,835
Population 60 years or older as % of total population		18.6%	22.3%
Total population 60 years or older		4,784	663,581
Population 65 years or older as % of total population		13.5%	15.9%
Total population 65 years or older		3,475	474,270
% 65-74 years		60.1%	59.7%
% 75-84 years		28.0%	29.4%
% 85 years or older		11.9%	10.1%
% 65+ population who are female		58.6%	56.5%
% 85+ population who are female		79.3%	67.4%
Race and ethnicity of the population 65+			
% White	*	41.8%	70.9%
% African American	*	57.3%	26.9%
% Other race(s)		0.9%	2.2%
% Hispanic/Latino		0.5%	1.0%
Marital status of the population 65+			
% married	*	34.0%	53.1%
% divorced/separated	*	23.7%	14.5%
% widowed	*	36.0%	27.1%
% never married		6.2%	5.3%
Education of the population 65+			
% with less than high school education	*	33.3%	20.1%
% with high school or some college	*	46.3%	58.7%
% with college degree		11.7%	11.8%
% with graduate or professional degree		8.7%	9.4%
% of 65+ population who speak only English at home		99.5%	97.8%
% of 65+ population who are veterans of military service	*	7.9%	15.8%
Life expectancy at birth		71.1	74.6

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COVID-19			
Total COVID-19 cases since March 2020		5,769	797,161
COVID-19 mortality rate per 100,000 people		485.3	417.1
% of county received at least one vaccine dose		59.0%	53.7%
% of county fully vaccinated		54.0%	48.9%
WELLNESS			
% 60+ getting the recommended hours of sleep		55.9%	59.9%
% 60+ doing any physical activity within last month		63.0%	61.3%
% 60+ met CDC guidelines for muscle-strengthening activity		18.7%	19.0%
% 60+ met CDC guidelines for aerobic physical activity		31.4%	39.8%
% 60+ with fair or poor health status		37.0%	32.5%
% 60+ with 15+ physically unhealthy days in last month		17.4%	18.7%
FALLS			
% 60+ who fell within last year		33.1%	27.8%
% 60+ who were injured in a fall within last year		9.4%	10.6%
PREVENTION			
% 60+ with physical exam/check-up in last year	B	94.1%	89.0%
% 60+ had flu shot in last year		57.1%	57.6%
% 60+ had pneumonia vaccine		61.4%	58.9%
% 60+ had shingles vaccine		25.2%	24.4%
% 60+ women with a mammogram within last 2 years		70.9%	71.0%
% 60+ with colorectal cancer screening		56.0%	57.1%
% 60+ with HIV test		26.2%	20.8%
% 60+ met CDC preventive health screening goals		20.4%	26.2%
CHRONIC DISEASE			
% 65+ with Alzheimer’s disease or related dementias		14.9%	12.9%
% 65+ with arthritis		33.9%	39.8%
% 65+ with asthma		4.6%	3.7%
% 65+ with atrial fibrillation		7.1%	8.9%
% 65+ with cancer (breast, colorectal, lung, prostate)		9.1%	8.8%
% 65+ with chronic kidney disease		30.3%	25.3%
% 65+ with chronic obstructive pulmonary disease (COPD)		11.6%	12.6%
% 65+ with diabetes		37.9%	30.7%
% 65+ with high cholesterol		45.3%	48.9%
% 65+ with heart failure		20.6%	16.1%
% 65+ with hypertension		74.9%	67.9%
% 65+ with ischemic heart disease		30.1%	31.9%
% 65+ with osteoporosis		N/A	6.4%
% 65+ with stroke		4.6%	4.4%

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
NUTRITION & DIET			
% 60+ with 5 or more servings of fruits or vegetables per day		11.0%	11.1%
% 60+ self-reported obese		41.6%	36.0%
% 60+ with cholesterol screening		93.9%	94.7%
ORAL HEALTH			
% 60+ with annual dental exam		52.5%	56.3%
# of dentists per 100,000 persons (all ages)		44.5	42.1
% 60+ with loss of 6 or more teeth		41.3%	45.8%
BEHAVIORAL HEALTH			
# of drug overdose deaths (all ages)		15	2,137
% 60+ current smokers		20.0%	13.1%
% 65+ with alcohol abuse disorder		2.0%	1.3%
% 65+ with drug abuse/substance abuse disorder		1.8%	2.6%
MENTAL HEALTH			
% 60+ with 15+ days poor mental health in last month		9.2%	9.8%
% 65+ with depression		11.8%	16.4%
% 65+ with schizophrenia & other psychotic disorder		3.6%	2.2%
LIVING WITH DISABILITY			
% 65+ with self-reported hearing difficulty	*	10.5%	15.5%
% 65+ with self-reported vision difficulty		5.9%	8.7%
% 65+ with self-reported cognition difficulty		11.9%	11.2%
% 65+ with self-reported ambulatory difficulty		33.8%	28.0%
% 65+ with self-reported self-care difficulty		11.6%	10.2%
% 65+ with self-reported independent living difficulty		19.2%	17.3%
CAREGIVING			
% of grandparents raising grandchildren		2.9%	2.4%
% of grandparents who live with grandchildren		6.4%	4.7%
ACCESS TO CARE			
% 60+ with a regular doctor	B	96.9%	92.0%
% 60+ who did not see a doctor when needed due to cost		8.7%	8.6%
# of primary care providers in county		5	3,571
# of rural health care centers in county		4	191
# of hospitals in county		2	101
# of home health agencies in county		1	45
# of nursing homes in county		3	204
# of community health centers in county		0	20
# of adult day health centers in county		1	8
# of hospice agencies in county		4	94

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COMMUNITY			
Particulate matter PM2.5		N/A	9.1
Ozone		N/A	0.361
Air pollution: annual # of unhealthy days for 65+		N/A	N/A
Age-friendly efforts in county		Not yet	Not yet
# of senior centers in county		1	115
% households that have smartphone (all ages)		17.4%	15.3%
% households without computer (all ages)	*	19.9%	13.5%
% households with access to Broadband (all ages)	*	63.7%	75.8%
% households without access to Internet (all ages)	*	35.7%	23.9%
Voter participation rate in 2020 presidential election (age 18+)		57.5%	61.2%
SAFETY & CRIME			
Homicide rate/100,000 persons		35.9	14.1
# firearm fatalities (all ages)		42	3,428
# 60+ deaths by suicide		0	562
TRANSPORTATION			
% 65+ who own a motor vehicle		83.9%	91.5%
% 60+ who always drive or ride wearing a seatbelt		82.0%	89.6%
# of fatal crashes involving adult age 60+		9	780
HOUSING			
% 65+ population who live alone		33.2%	28.1%
Average household size (all ages)		2.6	2.6
Median house value	*	$86,300	$125,500
% 60+ who own home	*	68.2%	82.7%
% 60+ homeowners who have mortgage		28.8%	32.1%
% 65+ households(renter) who spend >35% of income on housing		38.6%	33.5%
% 65+ households(owner) who spend >35% of income on housing		17.8%	15.2%
ECONOMIC			
% 60+ receiving food benefits in last year	*	28.4%	11.4%
% 65+ employed in last year		17.1%	15.6%
% 65+ with income below the poverty line in last year	*	21.2%	12.8%
65+ median household income	*	$25,885	$36,653
% 65+ households with annual income < $20,000	*	41.3%	27.4%
% 65+ households with annual income $20,000-$49,999		28.0%	35.5%
% 65+ households with annual income $50,000-$99,999		21.7%	24.6%
% 65+ households with annual income $100,000+		9.0%	12.5%

HEALTHY AGING INDICATORS	RATIO OF COUNTY TO STATE	$ COUNTY ESTIMATE	$ STATE ESTIMATE
Elder Index: COST OF LIVING			
Single, homeowner without mortgage, good health	1.03	$21,408	$20,760
Single, renter, good health	1.02	$24,288	$23,892
Couple, homeowner without mortgage, good health	1.04	$34,728	$33,264
Couple, renter, good health	1.03	$37,608	$36,396

TECHNICAL NOTES

**See our technical report for more information on data sources, measures, and methodology. For most indicators the county and state values are estimates derived from sample data. Thus, it is possible that some of the differences between state and county estimates may be due to chance associated with population sampling. We use the terms "Better" and "Worse" to highlight differences between county and state estimates that we are confident are not due to chance. "Better" is used where a higher/lower value has positive implications for the health of older residents. "Worse" is used where a higher/lower score has negative implications for the health of older people, and when the implication is unclear, we use an *. We balance two goals. First, we aim to report data at very local levels because we believe change is often locally driven. Second, we vowed to protect the privacy of the people providing the information reported. Thus, given the constraints of the data analyzed we used a hierarchical approach to reporting.*

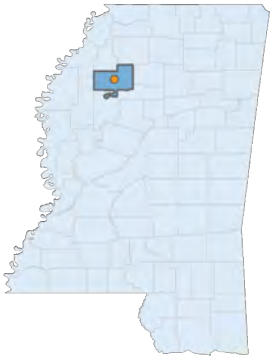
Data Sources:

- *Population Characteristics: The U.S. Census Bureau (American Community Survey 2016-2020) & Robert Wood Johnson Foundation (2020).*
- *COVID-19: Mississippi State Department of Health (MSDH; 2022).*
- *Wellness, Falls, Prevention: The Behavioral Risk Factor Surveillance System (BRFSS; 2013-2020), & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Chronic Disease: The Centers for Medicare and Medicaid Services (CMS) Select Chronic Conditions Database (2018).*
- *Nutrition/Diet, Oral Health: BRFSS (2013-2020) & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Behavioral Health, Mental Health: BRFSS (2013-2020), CMS (2018), & MSDH (2022).*
- *Living with Disability: ACS (2016-2020).*
- *Caregiving: ACS (2016-2020).*
- *Access to Care: BRFSS (2013-2020), CMS (2018), National Adult Day Service Association (June 2022), Community Health Center (Association of Mississippi; June 2022).*
- *Community: Environmental Protection Agency (EPA, 2020), BRFSS (2013-2020), ACS (2016-2020), AARP, & State of Mississippi (May 2022).*
- *Safety & Crime: CDC WONDER (2016-2020).*
- *Transportation: BRFSS (2013-2020), ACS (2016-2020), & Fatality Analysis Reporting System (FARS; 2016-2020).*
- *Housing & Economic: ACS (2016-2020).*
- *Elder Index: Center for Social and Demographic Research on Aging at the University of Massachusetts Boston (2022).*

Acknowledgments: Many people contributed to the MS Healthy Aging Data Report research. The University of Massachusetts Boston Gerontology Institute 2022 research team: Beth Dugan PhD, Nina Silverstein PhD, Chae Man Lee PhD, Taylor Jansen MS, Shu Xu MS, & Yanjhu Su MS. Dr. Kina White from the Mississippi State Department of Health provided important guidance and leadership.

Questions? Beth.Dugan@umb.edu

Tallahatchie



POPULATION CHARACTERISTICS	County rate is significantly different than State rate	COUNTY ESTIMATE	STATE ESTIMATE
Total population all ages		14,041	2,981,835
Population 60 years or older as % of total population		20.5%	22.3%
Total population 60 years or older		2,876	663,581
Population 65 years or older as % of total population		15.2%	15.9%
Total population 65 years or older		2,129	474,270
% 65-74 years		60.1%	59.7%
% 75-84 years		31.0%	29.4%
% 85 years or older		8.9%	10.1%
% 65+ population who are female		57.5%	56.5%
% 85+ population who are female	*	86.8%	67.4%
Race and ethnicity of the population 65+			
% White	*	55.4%	70.9%
% African American	*	44.0%	26.9%
% Other race(s)		0.6%	2.2%
% Hispanic/Latino		0.0%	1.0%
Marital status of the population 65+			
% married		48.1%	53.1%
% divorced/separated		10.9%	14.5%
% widowed		31.4%	27.1%
% never married		9.6%	5.3%
Education of the population 65+			
% with less than high school education	*	31.1%	20.1%
% with high school or some college		59.4%	58.7%
% with college degree	*	7.3%	11.8%
% with graduate or professional degree	*	2.2%	9.4%
% of 65+ population who speak only English at home		99.8%	97.8%
% of 65+ population who are veterans of military service	*	9.1%	15.8%
Life expectancy at birth		74.4	74.6

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COVID-19			
Total COVID-19 cases since March 2020		3,193	797,161
COVID-19 mortality rate per 100,000 people		427.3	417.1
% of county received at least one vaccine dose		46.0%	53.7%
% of county fully vaccinated		42.0%	48.9%
WELLNESS			
% 60+ getting the recommended hours of sleep		67.5%	59.9%
% 60+ doing any physical activity within last month		66.1%	61.3%
% 60+ met CDC guidelines for muscle-strengthening activity		14.7%	19.0%
% 60+ met CDC guidelines for aerobic physical activity		34.2%	39.8%
% 60+ with fair or poor health status		33.6%	32.5%
% 60+ with 15+ physically unhealthy days in last month		17.8%	18.7%
FALLS			
% 60+ who fell within last year		32.1%	27.8%
% 60+ who were injured in a fall within last year		11.9%	10.6%
PREVENTION			
% 60+ with physical exam/check-up in last year		88.3%	89.0%
% 60+ had flu shot in last year		60.5%	57.6%
% 60+ had pneumonia vaccine		53.0%	58.9%
% 60+ had shingles vaccine		28.8%	24.4%
% 60+ women with a mammogram within last 2 years		60.4%	71.0%
% 60+ with colorectal cancer screening		56.4%	57.1%
% 60+ with HIV test		17.0%	20.8%
% 60+ met CDC preventive health screening goals		22.9%	26.2%
CHRONIC DISEASE			
% 65+ with Alzheimer’s disease or related dementias		14.9%	12.9%
% 65+ with arthritis		39.8%	39.8%
% 65+ with asthma		2.9%	3.7%
% 65+ with atrial fibrillation		8.2%	8.9%
% 65+ with cancer (breast, colorectal, lung, prostate)		8.8%	8.8%
% 65+ with chronic kidney disease		26.9%	25.3%
% 65+ with chronic obstructive pulmonary disease (COPD)		12.5%	12.6%
% 65+ with diabetes		35.9%	30.7%
% 65+ with high cholesterol		43.0%	48.9%
% 65+ with heart failure		21.1%	16.1%
% 65+ with hypertension		74.1%	67.9%
% 65+ with ischemic heart disease		32.0%	31.9%
% 65+ with osteoporosis		N/A	6.4%
% 65+ with stroke		4.2%	4.4%

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
NUTRITION & DIET			
% 60+ with 5 or more servings of fruits or vegetables per day		9.9%	11.1%
% 60+ self-reported obese		41.2%	36.0%
% 60+ with cholesterol screening		92.1%	94.7%
ORAL HEALTH			
% 60+ with annual dental exam	W	45.4%	56.3%
# of dentists per 100,000 persons (all ages)		14.6	42.1
% 60+ with loss of 6 or more teeth		46.7%	45.8%
BEHAVIORAL HEALTH			
# of drug overdose deaths (all ages)		0	2,137
% 60+ current smokers		15.7%	13.1%
% 65+ with alcohol abuse disorder		1.8%	1.3%
% 65+ with drug abuse/substance abuse disorder		2.4%	2.6%
MENTAL HEALTH			
% 60+ with 15+ days poor mental health in last month		9.2%	9.8%
% 65+ with depression		11.3%	16.4%
% 65+ with schizophrenia & other psychotic disorder		2.1%	2.2%
LIVING WITH DISABILITY			
% 65+ with self-reported hearing difficulty		10.6%	15.5%
% 65+ with self-reported vision difficulty		8.5%	8.7%
% 65+ with self-reported cognition difficulty		8.0%	11.2%
% 65+ with self-reported ambulatory difficulty		33.1%	28.0%
% 65+ with self-reported self-care difficulty		12.8%	10.2%
% 65+ with self-reported independent living difficulty		18.9%	17.3%
CAREGIVING			
% of grandparents raising grandchildren	*	4.3%	2.4%
% of grandparents who live with grandchildren	*	5.7%	4.7%
ACCESS TO CARE			
% 60+ with a regular doctor		89.3%	92.0%
% 60+ who did not see a doctor when needed due to cost		8.6%	8.6%
# of primary care providers in county		16	3,571
# of rural health care centers in county		4	191
# of hospitals in county		1	101
# of home health agencies in county		0	45
# of nursing homes in county		1	204
# of community health centers in county		0	20
# of adult day health centers in county		0	8
# of hospice agencies in county		0	94

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COMMUNITY			
Particulate matter PM2.5		N/A	9.1
Ozone		N/A	0.361
Air pollution: annual # of unhealthy days for 65+		N/A	N/A
Age-friendly efforts in county		Not yet	Not yet
# of senior centers in county		2	115
% households that have smartphone (all ages)		18.1%	15.3%
% households without computer (all ages)	*	21.6%	13.5%
% households with access to Broadband (all ages)	*	57.1%	75.8%
% households without access to Internet (all ages)	*	42.0%	23.9%
Voter participation rate in 2020 presidential election (age 18+)		56.5%	61.2%
SAFETY & CRIME			
Homicide rate/100,000 persons		18.6	14.1
# firearm fatalities (all ages)		13	3,428
# 60+ deaths by suicide		0	562
TRANSPORTATION			
% 65+ who own a motor vehicle		82.6%	91.5%
% 60+ who always drive or ride wearing a seatbelt		84.3%	89.6%
# of fatal crashes involving adult age 60+		5	780
HOUSING			
% 65+ population who live alone		28.8%	28.1%
Average household size (all ages)	*	3.0	2.6
Median house value	*	$68,900	$125,500
% 60+ who own home	*	68.6%	82.7%
% 60+ homeowners who have mortgage	*	18.6%	32.1%
% 65+ households(renter) who spend >35% of income on housing		46.2%	33.5%
% 65+ households(owner) who spend >35% of income on housing		21.1%	15.2%
ECONOMIC			
% 60+ receiving food benefits in last year	*	34.1%	11.4%
% 65+ employed in last year	*	8.8%	15.6%
% 65+ with income below the poverty line in last year	*	23.2%	12.8%
65+ median household income	*	$21,792	$36,653
% 65+ households with annual income < $20,000		41.1%	27.4%
% 65+ households with annual income $20,000-$49,999		46.2%	35.5%
% 65+ households with annual income $50,000-$99,999	*	7.5%	24.6%
% 65+ households with annual income $100,000+	*	5.2%	12.5%

HEALTHY AGING INDICATORS	RATIO OF COUNTY TO STATE	$ COUNTY ESTIMATE	$ STATE ESTIMATE
Elder Index: COST OF LIVING			
Single, homeowner without mortgage, good health	1.06	$21,984	$20,760
Single, renter, good health	0.98	$23,424	$23,892
Couple, homeowner without mortgage, good health	1.06	$35,304	$33,264
Couple, renter, good health	1.01	$36,744	$36,396

TECHNICAL NOTES

**See our technical report for more information on data sources, measures, and methodology. For most indicators the county and state values are estimates derived from sample data. Thus, it is possible that some of the differences between state and county estimates may be due to chance associated with population sampling. We use the terms "Better" and "Worse" to highlight differences between county and state estimates that we are confident are not due to chance. "Better" is used where a higher/lower value has positive implications for the health of older residents. "Worse" is used where a higher/lower score has negative implications for the health of older people, and when the implication is unclear, we use an *. We balance two goals. First, we aim to report data at very local levels because we believe change is often locally driven. Second, we vowed to protect the privacy of the people providing the information reported. Thus, given the constraints of the data analyzed we used a hierarchical approach to reporting.*

Data Sources:

- *Population Characteristics: The U.S. Census Bureau (American Community Survey 2016-2020) & Robert Wood Johnson Foundation (2020).*
- *COVID-19: Mississippi State Department of Health (MSDH; 2022).*
- *Wellness, Falls, Prevention: The Behavioral Risk Factor Surveillance System (BRFSS; 2013-2020), & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Chronic Disease: The Centers for Medicare and Medicaid Services (CMS) Select Chronic Conditions Database (2018).*
- *Nutrition/Diet, Oral Health: BRFSS (2013-2020) & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Behavioral Health, Mental Health: BRFSS (2013-2020), CMS (2018), & MSDH (2022).*
- *Living with Disability: ACS (2016-2020).*
- *Caregiving: ACS (2016-2020).*
- *Access to Care: BRFSS (2013-2020), CMS (2018), National Adult Day Service Association (June 2022), Community Health Center (Association of Mississippi; June 2022).*
- *Community: Environmental Protection Agency (EPA, 2020), BRFSS (2013-2020), ACS (2016-2020), AARP, & State of Mississippi (May 2022).*
- *Safety & Crime: CDC WONDER (2016-2020).*
- *Transportation: BRFSS (2013-2020), ACS (2016-2020), & Fatality Analysis Reporting System (FARS; 2016-2020).*
- *Housing & Economic: ACS (2016-2020).*
- *Elder Index: Center for Social and Demographic Research on Aging at the University of Massachusetts Boston (2022).*

Acknowledgments: Many people contributed to the MS Healthy Aging Data Report research. The University of Massachusetts Boston Gerontology Institute 2022 research team: Beth Dugan PhD, Nina Silverstein PhD, Chae Man Lee PhD, Taylor Jansen MS, Shu Xu MS, & Yanjhu Su MS. Dr. Kina White from the Mississippi State Department of Health provided important guidance and leadership.

Questions? Beth.Dugan@umb.edu

Tate

POPULATION CHARACTERISTICS	County rate is significantly different than State rate	COUNTY ESTIMATE	STATE ESTIMATE
Total population all ages		28,419	2,981,835
Population 60 years or older as % of total population		22.4%	22.3%
Total population 60 years or older		6,354	663,581
Population 65 years or older as % of total population		16.3%	15.9%
Total population 65 years or older		4,643	474,270
% 65-74 years		64.1%	59.7%
% 75-84 years	*	24.7%	29.4%
% 85 years or older		11.2%	10.1%
% 65+ population who are female		55.5%	56.5%
% 85+ population who are female	*	81.8%	67.4%
Race and ethnicity of the population 65+			
% White		76.8%	70.9%
% African American	*	22.7%	26.9%
% Other race(s)		0.5%	2.2%
% Hispanic/Latino		0.6%	1.0%
Marital status of the population 65+			
% married		53.8%	53.1%
% divorced/separated		10.7%	14.5%
% widowed		32.9%	27.1%
% never married	*	2.6%	5.3%
Education of the population 65+			
% with less than high school education		23.0%	20.1%
% with high school or some college		59.0%	58.7%
% with college degree	*	7.0%	11.8%
% with graduate or professional degree		11.0%	9.4%
% of 65+ population who speak only English at home		99.2%	97.8%
% of 65+ population who are veterans of military service		13.7%	15.8%
Life expectancy at birth		74.8	74.6

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COVID-19			
Total COVID-19 cases since March 2020		7,355	797,161
COVID-19 mortality rate per 100,000 people		503.2	417.1
% of county received at least one vaccine dose		47.0%	53.7%
% of county fully vaccinated		43.0%	48.9%
WELLNESS			
% 60+ getting the recommended hours of sleep		65.5%	59.9%
% 60+ doing any physical activity within last month		53.3%	61.3%
% 60+ met CDC guidelines for muscle-strengthening activity		18.3%	19.0%
% 60+ met CDC guidelines for aerobic physical activity		36.6%	39.8%
% 60+ with fair or poor health status		34.2%	32.5%
% 60+ with 15+ physically unhealthy days in last month		24.1%	18.7%
FALLS			
% 60+ who fell within last year		30.8%	27.8%
% 60+ who were injured in a fall within last year		11.9%	10.6%
PREVENTION			
% 60+ with physical exam/check-up in last year		86.6%	89.0%
% 60+ had flu shot in last year		59.0%	57.6%
% 60+ had pneumonia vaccine		58.3%	58.9%
% 60+ had shingles vaccine		21.7%	24.4%
% 60+ women with a mammogram within last 2 years		62.4%	71.0%
% 60+ with colorectal cancer screening		52.6%	57.1%
% 60+ with HIV test		19.8%	20.8%
% 60+ met CDC preventive health screening goals		27.3%	26.2%
CHRONIC DISEASE			
% 65+ with Alzheimer’s disease or related dementias		10.7%	12.9%
% 65+ with arthritis		32.1%	39.8%
% 65+ with asthma		3.0%	3.7%
% 65+ with atrial fibrillation		11.3%	8.9%
% 65+ with cancer (breast, colorectal, lung, prostate)		9.2%	8.8%
% 65+ with chronic kidney disease		33.4%	25.3%
% 65+ with chronic obstructive pulmonary disease (COPD)		13.8%	12.6%
% 65+ with diabetes		30.7%	30.7%
% 65+ with high cholesterol		50.4%	48.9%
% 65+ with heart failure		17.8%	16.1%
% 65+ with hypertension		68.0%	67.9%
% 65+ with ischemic heart disease		37.9%	31.9%
% 65+ with osteoporosis		4.7%	6.4%
% 65+ with stroke		5.1%	4.4%

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
NUTRITION & DIET			
% 60+ with 5 or more servings of fruits or vegetables per day		9.9%	11.1%
% 60+ self-reported obese		34.4%	36.0%
% 60+ with cholesterol screening		95.0%	94.7%
ORAL HEALTH			
% 60+ with annual dental exam		62.2%	56.3%
# of dentists per 100,000 persons (all ages)		21.0	42.1
% 60+ with loss of 6 or more teeth		46.0%	45.8%
BEHAVIORAL HEALTH			
# of drug overdose deaths (all ages)		38	2,137
% 60+ current smokers		14.6%	13.1%
% 65+ with alcohol abuse disorder		1.1%	1.3%
% 65+ with drug abuse/substance abuse disorder		1.6%	2.6%
MENTAL HEALTH			
% 60+ with 15+ days poor mental health in last month		9.2%	9.8%
% 65+ with depression		13.5%	16.4%
% 65+ with schizophrenia & other psychotic disorder		1.4%	2.2%
LIVING WITH DISABILITY			
% 65+ with self-reported hearing difficulty		15.0%	15.5%
% 65+ with self-reported vision difficulty	*	3.1%	8.7%
% 65+ with self-reported cognition difficulty		8.4%	11.2%
% 65+ with self-reported ambulatory difficulty	*	21.1%	28.0%
% 65+ with self-reported self-care difficulty	*	6.5%	10.2%
% 65+ with self-reported independent living difficulty	*	10.7%	17.3%
CAREGIVING			
% of grandparents raising grandchildren		2.5%	2.4%
% of grandparents who live with grandchildren		7.0%	4.7%
ACCESS TO CARE			
% 60+ with a regular doctor		84.1%	92.0%
% 60+ who did not see a doctor when needed due to cost		8.6%	8.6%
# of primary care providers in county		13	3,571
# of rural health care centers in county		0	191
# of hospitals in county		0	101
# of home health agencies in county		0	45
# of nursing homes in county		1	204
# of community health centers in county		0	20
# of adult day health centers in county		0	8
# of hospice agencies in county		0	94

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COMMUNITY			
Particulate matter PM2.5		N/A	9.1
Ozone		N/A	0.361
Air pollution: annual # of unhealthy days for 65+		N/A	N/A
Age-friendly efforts in county		Not yet	Not yet
# of senior centers in county		1	115
% households that have smartphone (all ages)	*	10.4%	15.3%
% households without computer (all ages)		15.3%	13.5%
% households with access to Broadband (all ages)		76.0%	75.8%
% households without access to Internet (all ages)		23.4%	23.9%
Voter participation rate in 2020 presidential election (age 18+)		67.7%	61.2%
SAFETY & CRIME			
Homicide rate/100,000 persons		9.8	14.1
# firearm fatalities (all ages)		29	3,428
# 60+ deaths by suicide		0	562
TRANSPORTATION			
% 65+ who own a motor vehicle		95.3%	91.5%
% 60+ who always drive or ride wearing a seatbelt		92.0%	89.6%
# of fatal crashes involving adult age 60+		11	780
HOUSING			
% 65+ population who live alone	*	21.8%	28.1%
Average household size (all ages)		2.5	2.6
Median house value	*	$139,300	$125,500
% 60+ who own home		84.2%	82.7%
% 60+ homeowners who have mortgage		39.9%	32.1%
% 65+ households(renter) who spend >35% of income on housing		34.8%	33.5%
% 65+ households(owner) who spend >35% of income on housing		15.8%	15.2%
ECONOMIC			
% 60+ receiving food benefits in last year		7.6%	11.4%
% 65+ employed in last year		18.8%	15.6%
% 65+ with income below the poverty line in last year		9.0%	12.8%
65+ median household income		$43,179	$36,653
% 65+ households with annual income < $20,000	*	17.1%	27.4%
% 65+ households with annual income $20,000-$49,999		38.6%	35.5%
% 65+ households with annual income $50,000-$99,999		29.9%	24.6%
% 65+ households with annual income $100,000+		14.3%	12.5%

HEALTHY AGING INDICATORS	RATIO OF COUNTY TO STATE	$ COUNTY ESTIMATE	$ STATE ESTIMATE
Elder Index: COST OF LIVING			
Single, homeowner without mortgage, good health	0.99	$20,640	$20,760
Single, renter, good health	0.99	$23,652	$23,892
Couple, homeowner without mortgage, good health	0.99	$32,844	$33,264
Couple, renter, good health	0.99	$35,856	$36,396

TECHNICAL NOTES

**See our technical report for more information on data sources, measures, and methodology. For most indicators the county and state values are estimates derived from sample data. Thus, it is possible that some of the differences between state and county estimates may be due to chance associated with population sampling. We use the terms "Better" and "Worse" to highlight differences between county and state estimates that we are confident are not due to chance. "Better" is used where a higher/lower value has positive implications for the health of older residents. "Worse" is used where a higher/lower score has negative implications for the health of older people, and when the implication is unclear, we use an *. We balance two goals. First, we aim to report data at very local levels because we believe change is often locally driven. Second, we vowed to protect the privacy of the people providing the information reported. Thus, given the constraints of the data analyzed we used a hierarchical approach to reporting.*

Data Sources:

- *Population Characteristics: The U.S. Census Bureau (American Community Survey 2016-2020) & Robert Wood Johnson Foundation (2020).*
- *COVID-19: Mississippi State Department of Health (MSDH; 2022).*
- *Wellness, Falls, Prevention: The Behavioral Risk Factor Surveillance System (BRFSS; 2013-2020), & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Chronic Disease: The Centers for Medicare and Medicaid Services (CMS) Select Chronic Conditions Database (2018).*
- *Nutrition/Diet, Oral Health: BRFSS (2013-2020) & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Behavioral Health, Mental Health: BRFSS (2013-2020), CMS (2018), & MSDH (2022).*
- *Living with Disability: ACS (2016-2020).*
- *Caregiving: ACS (2016-2020).*
- *Access to Care: BRFSS (2013-2020), CMS (2018), National Adult Day Service Association (June 2022), Community Health Center (Association of Mississippi; June 2022).*
- *Community: Environmental Protection Agency (EPA, 2020), BRFSS (2013-2020), ACS (2016-2020), AARP, & State of Mississippi (May 2022).*
- *Safety & Crime: CDC WONDER (2016-2020).*
- *Transportation: BRFSS (2013-2020), ACS (2016-2020), & Fatality Analysis Reporting System (FARS; 2016-2020).*
- *Housing & Economic: ACS (2016-2020).*
- *Elder Index: Center for Social and Demographic Research on Aging at the University of Massachusetts Boston (2022).*

Acknowledgments: Many people contributed to the MS Healthy Aging Data Report research. The University of Massachusetts Boston Gerontology Institute 2022 research team: Beth Dugan PhD, Nina Silverstein PhD, Chae Man Lee PhD, Taylor Jansen MS, Shu Xu MS, & Yanjhu Su MS. Dr. Kina White from the Mississippi State Department of Health provided important guidance and leadership.

Questions? Beth.Dugan@umb.edu

Tippah

POPULATION CHARACTERISTICS	County rate is significantly different than State rate	COUNTY ESTIMATE	STATE ESTIMATE
Total population all ages		21,976	2,981,835
Population 60 years or older as % of total population		22.0%	22.3%
Total population 60 years or older		4,831	663,581
Population 65 years or older as % of total population		16.3%	15.9%
Total population 65 years or older		3,580	474,270
% 65-74 years		61.3%	59.7%
% 75-84 years		29.9%	29.4%
% 85 years or older		8.8%	10.1%
% 65+ population who are female		57.1%	56.5%
% 85+ population who are female		54.3%	67.4%
Race and ethnicity of the population 65+			
% White	*	88.1%	70.9%
% African American	*	9.3%	26.9%
% Other race(s)		2.5%	2.2%
% Hispanic/Latino		0.0%	1.0%
Marital status of the population 65+			
% married	*	69.8%	53.1%
% divorced/separated	*	9.0%	14.5%
% widowed	*	18.9%	27.1%
% never married	*	2.3%	5.3%
Education of the population 65+			
% with less than high school education	*	28.4%	20.1%
% with high school or some college		60.8%	58.7%
% with college degree	*	6.5%	11.8%
% with graduate or professional degree	*	4.2%	9.4%
% of 65+ population who speak only English at home		99.9%	97.8%
% of 65+ population who are veterans of military service		12.7%	15.8%
Life expectancy at birth		72.7	74.6

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COVID-19			
Total COVID-19 cases since March 2020		7,349	797,161
COVID-19 mortality rate per 100,000 people		496.0	417.1
% of county received at least one vaccine dose		46.0%	53.7%
% of county fully vaccinated		42.0%	48.9%
WELLNESS			
% 60+ getting the recommended hours of sleep		57.7%	59.9%
% 60+ doing any physical activity within last month	W	50.5%	61.3%
% 60+ met CDC guidelines for muscle-strengthening activity		15.4%	19.0%
% 60+ met CDC guidelines for aerobic physical activity		35.3%	39.8%
% 60+ with fair or poor health status	W	44.3%	32.5%
% 60+ with 15+ physically unhealthy days in last month	W	31.7%	18.7%
FALLS			
% 60+ who fell within last year		35.0%	27.8%
% 60+ who were injured in a fall within last year		12.2%	10.6%
PREVENTION			
% 60+ with physical exam/check-up in last year		93.4%	89.0%
% 60+ had flu shot in last year		55.6%	57.6%
% 60+ had pneumonia vaccine		57.0%	58.9%
% 60+ had shingles vaccine		25.0%	24.4%
% 60+ women with a mammogram within last 2 years		71.8%	71.0%
% 60+ with colorectal cancer screening		52.1%	57.1%
% 60+ with HIV test		17.0%	20.8%
% 60+ met CDC preventive health screening goals		23.6%	26.2%
CHRONIC DISEASE			
% 65+ with Alzheimer’s disease or related dementias		12.6%	12.9%
% 65+ with arthritis		45.4%	39.8%
% 65+ with asthma		3.9%	3.7%
% 65+ with atrial fibrillation		9.9%	8.9%
% 65+ with cancer (breast, colorectal, lung, prostate)		8.0%	8.8%
% 65+ with chronic kidney disease		28.9%	25.3%
% 65+ with chronic obstructive pulmonary disease (COPD)		18.3%	12.6%
% 65+ with diabetes		32.0%	30.7%
% 65+ with high cholesterol		52.3%	48.9%
% 65+ with heart failure		18.2%	16.1%
% 65+ with hypertension		71.5%	67.9%
% 65+ with ischemic heart disease		38.7%	31.9%
% 65+ with osteoporosis		5.3%	6.4%
% 65+ with stroke		4.6%	4.4%

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
NUTRITION & DIET			
% 60+ with 5 or more servings of fruits or vegetables per day		10.5%	11.1%
% 60+ self-reported obese		40.7%	36.0%
% 60+ with cholesterol screening	B	98.2%	94.7%
ORAL HEALTH			
% 60+ with annual dental exam		54.0%	56.3%
# of dentists per 100,000 persons (all ages)		32.2	42.1
% 60+ with loss of 6 or more teeth		41.4%	45.8%
BEHAVIORAL HEALTH			
# of drug overdose deaths (all ages)		0	2,137
% 60+ current smokers		20.6%	13.1%
% 65+ with alcohol abuse disorder		1.2%	1.3%
% 65+ with drug abuse/substance abuse disorder		2.1%	2.6%
MENTAL HEALTH			
% 60+ with 15+ days poor mental health in last month		9.8%	9.8%
% 65+ with depression		21.0%	16.4%
% 65+ with schizophrenia & other psychotic disorder		2.6%	2.2%
LIVING WITH DISABILITY			
% 65+ with self-reported hearing difficulty		21.2%	15.5%
% 65+ with self-reported vision difficulty		10.8%	8.7%
% 65+ with self-reported cognition difficulty		14.4%	11.2%
% 65+ with self-reported ambulatory difficulty		29.6%	28.0%
% 65+ with self-reported self-care difficulty		14.5%	10.2%
% 65+ with self-reported independent living difficulty		17.8%	17.3%
CAREGIVING			
% of grandparents raising grandchildren		2.5%	2.4%
% of grandparents who live with grandchildren		5.4%	4.7%
ACCESS TO CARE			
% 60+ with a regular doctor		90.5%	92.0%
% 60+ who did not see a doctor when needed due to cost		9.9%	8.6%
# of primary care providers in county		47	3,571
# of rural health care centers in county		3	191
# of hospitals in county		1	101
# of home health agencies in county		0	45
# of nursing homes in county		3	204
# of community health centers in county		0	20
# of adult day health centers in county		0	8
# of hospice agencies in county		1	94

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COMMUNITY			
Particulate matter PM2.5		N/A	9.1
Ozone		N/A	0.361
Air pollution: annual # of unhealthy days for 65+		N/A	N/A
Age-friendly efforts in county		Not yet	Not yet
# of senior centers in county		2	115
% households that have smartphone (all ages)		19.4%	15.3%
% households without computer (all ages)	*	18.6%	13.5%
% households with access to Broadband (all ages)	*	65.3%	75.8%
% households without access to Internet (all ages)	*	34.7%	23.9%
Voter participation rate in 2020 presidential election (age 18+)		67.1%	61.2%
SAFETY & CRIME			
Homicide rate/100,000 persons		11.8	14.1
# firearm fatalities (all ages)		28	3,428
# 60+ deaths by suicide		0	562
TRANSPORTATION			
% 65+ who own a motor vehicle		94.2%	91.5%
% 60+ who always drive or ride wearing a seatbelt		83.8%	89.6%
# of fatal crashes involving adult age 60+		8	780
HOUSING			
% 65+ population who live alone	*	20.4%	28.1%
Average household size (all ages)	*	2.8	2.6
Median house value	*	$89,200	$125,500
% 60+ who own home		82.2%	82.7%
% 60+ homeowners who have mortgage		24.6%	32.1%
% 65+ households(renter) who spend >35% of income on housing	*	11.0%	33.5%
% 65+ households(owner) who spend >35% of income on housing		12.4%	15.2%
ECONOMIC			
% 60+ receiving food benefits in last year		9.1%	11.4%
% 65+ employed in last year		18.9%	15.6%
% 65+ with income below the poverty line in last year		12.6%	12.8%
65+ median household income	*	$31,938	$36,653
% 65+ households with annual income < $20,000		28.1%	27.4%
% 65+ households with annual income $20,000-$49,999		40.6%	35.5%
% 65+ households with annual income $50,000-$99,999		22.1%	24.6%
% 65+ households with annual income $100,000+		9.2%	12.5%

HEALTHY AGING INDICATORS	RATIO OF COUNTY TO STATE	$ COUNTY ESTIMATE	$ STATE ESTIMATE
Elder Index: COST OF LIVING			
Single, homeowner without mortgage, good health	1.02	$21,180	$20,760
Single, renter, good health	0.98	$23,340	$23,892
Couple, homeowner without mortgage, good health	1.04	$34,500	$33,264
Couple, renter, good health	1.01	$36,660	$36,396

TECHNICAL NOTES

**See our technical report for more information on data sources, measures, and methodology. For most indicators the county and state values are estimates derived from sample data. Thus, it is possible that some of the differences between state and county estimates may be due to chance associated with population sampling. We use the terms "Better" and "Worse" to highlight differences between county and state estimates that we are confident are not due to chance. "Better" is used where a higher/lower value has positive implications for the health of older residents. "Worse" is used where a higher/lower score has negative implications for the health of older people, and when the implication is unclear, we use an *. We balance two goals. First, we aim to report data at very local levels because we believe change is often locally driven. Second, we vowed to protect the privacy of the people providing the information reported. Thus, given the constraints of the data analyzed we used a hierarchical approach to reporting.*

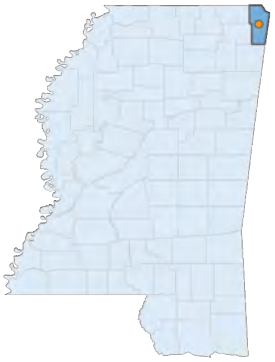
Data Sources:

- *Population Characteristics: The U.S. Census Bureau (American Community Survey 2016-2020) & Robert Wood Johnson Foundation (2020).*
- *COVID-19: Mississippi State Department of Health (MSDH; 2022).*
- *Wellness, Falls, Prevention: The Behavioral Risk Factor Surveillance System (BRFSS; 2013-2020), & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Chronic Disease: The Centers for Medicare and Medicaid Services (CMS) Select Chronic Conditions Database (2018).*
- *Nutrition/Diet, Oral Health: BRFSS (2013-2020) & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Behavioral Health, Mental Health: BRFSS (2013-2020), CMS (2018), & MSDH (2022).*
- *Living with Disability: ACS (2016-2020).*
- *Caregiving: ACS (2016-2020).*
- *Access to Care: BRFSS (2013-2020), CMS (2018), National Adult Day Service Association (June 2022), Community Health Center (Association of Mississippi; June 2022).*
- *Community: Environmental Protection Agency (EPA, 2020), BRFSS (2013-2020), ACS (2016-2020), AARP, & State of Mississippi (May 2022).*
- *Safety & Crime: CDC WONDER (2016-2020).*
- *Transportation: BRFSS (2013-2020), ACS (2016-2020), & Fatality Analysis Reporting System (FARS; 2016-2020).*
- *Housing & Economic: ACS (2016-2020).*
- *Elder Index: Center for Social and Demographic Research on Aging at the University of Massachusetts Boston (2022).*

Acknowledgments: Many people contributed to the MS Healthy Aging Data Report research. The University of Massachusetts Boston Gerontology Institute 2022 research team: Beth Dugan PhD, Nina Silverstein PhD, Chae Man Lee PhD, Taylor Jansen MS, Shu Xu MS, & Yanjhu Su MS. Dr. Kina White from the Mississippi State Department of Health provided important guidance and leadership.

Questions? Beth.Dugan@umb.edu

Tishomingo



POPULATION CHARACTERISTICS	County rate is significantly different than State rate	COUNTY ESTIMATE	STATE ESTIMATE
Total population all ages		19,396	2,981,835
Population 60 years or older as % of total population		28.4%	22.3%
Total population 60 years or older		5,517	663,581
Population 65 years or older as % of total population		20.6%	15.9%
Total population 65 years or older		3,999	474,270
% 65-74 years		58.4%	59.7%
% 75-84 years		30.9%	29.4%
% 85 years or older		10.7%	10.1%
% 65+ population who are female		55.6%	56.5%
% 85+ population who are female		63.8%	67.4%
Race and ethnicity of the population 65+			
% White	*	95.8%	70.9%
% African American	*	3.2%	26.9%
% Other race(s)		1.0%	2.2%
% Hispanic/Latino		1.2%	1.0%
Marital status of the population 65+			
% married		57.7%	53.1%
% divorced/separated	*	6.3%	14.5%
% widowed		30.5%	27.1%
% never married		5.5%	5.3%
Education of the population 65+			
% with less than high school education	*	28.7%	20.1%
% with high school or some college		63.1%	58.7%
% with college degree	*	4.1%	11.8%
% with graduate or professional degree	*	4.1%	9.4%
% of 65+ population who speak only English at home		98.7%	97.8%
% of 65+ population who are veterans of military service		16.6%	15.8%
Life expectancy at birth		72.4	74.6

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COVID-19			
Total COVID-19 cases since March 2020		6,158	797,161
COVID-19 mortality rate per 100,000 people		629.0	417.1
% of county received at least one vaccine dose		42.0%	53.7%
% of county fully vaccinated		37.0%	48.9%
WELLNESS			
% 60+ getting the recommended hours of sleep		62.7%	59.9%
% 60+ doing any physical activity within last month	W	52.8%	61.3%
% 60+ met CDC guidelines for muscle-strengthening activity		17.6%	19.0%
% 60+ met CDC guidelines for aerobic physical activity		34.7%	39.8%
% 60+ with fair or poor health status		37.9%	32.5%
% 60+ with 15+ physically unhealthy days in last month		21.1%	18.7%
FALLS			
% 60+ who fell within last year		35.5%	27.8%
% 60+ who were injured in a fall within last year		12.2%	10.6%
PREVENTION			
% 60+ with physical exam/check-up in last year		85.9%	89.0%
% 60+ had flu shot in last year		53.1%	57.6%
% 60+ had pneumonia vaccine		58.5%	58.9%
% 60+ had shingles vaccine		28.1%	24.4%
% 60+ women with a mammogram within last 2 years		65.2%	71.0%
% 60+ with colorectal cancer screening		54.1%	57.1%
% 60+ with HIV test	*	13.5%	20.8%
% 60+ met CDC preventive health screening goals		20.0%	26.2%
CHRONIC DISEASE			
% 65+ with Alzheimer’s disease or related dementias		12.6%	12.9%
% 65+ with arthritis		42.3%	39.8%
% 65+ with asthma		5.1%	3.7%
% 65+ with atrial fibrillation		10.2%	8.9%
% 65+ with cancer (breast, colorectal, lung, prostate)		8.8%	8.8%
% 65+ with chronic kidney disease		29.3%	25.3%
% 65+ with chronic obstructive pulmonary disease (COPD)		17.8%	12.6%
% 65+ with diabetes		32.7%	30.7%
% 65+ with high cholesterol		51.3%	48.9%
% 65+ with heart failure		17.4%	16.1%
% 65+ with hypertension		68.3%	67.9%
% 65+ with ischemic heart disease		41.3%	31.9%
% 65+ with osteoporosis		8.1%	6.4%
% 65+ with stroke		4.7%	4.4%

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
NUTRITION & DIET			
% 60+ with 5 or more servings of fruits or vegetables per day		10.5%	11.1%
% 60+ self-reported obese		41.2%	36.0%
% 60+ with cholesterol screening		92.0%	94.7%
ORAL HEALTH			
% 60+ with annual dental exam		51.8%	56.3%
# of dentists per 100,000 persons (all ages)		5.2	42.1
% 60+ with loss of 6 or more teeth		50.6%	45.8%
BEHAVIORAL HEALTH			
# of drug overdose deaths (all ages)		19	2,137
% 60+ current smokers		12.6%	13.1%
% 65+ with alcohol abuse disorder		0.9%	1.3%
% 65+ with drug abuse/substance abuse disorder		2.9%	2.6%
MENTAL HEALTH			
% 60+ with 15+ days poor mental health in last month		9.8%	9.8%
% 65+ with depression		20.0%	16.4%
% 65+ with schizophrenia & other psychotic disorder		1.7%	2.2%
LIVING WITH DISABILITY			
% 65+ with self-reported hearing difficulty		19.4%	15.5%
% 65+ with self-reported vision difficulty		6.5%	8.7%
% 65+ with self-reported cognition difficulty		15.9%	11.2%
% 65+ with self-reported ambulatory difficulty		31.3%	28.0%
% 65+ with self-reported self-care difficulty		9.2%	10.2%
% 65+ with self-reported independent living difficulty		17.2%	17.3%
CAREGIVING			
% of grandparents raising grandchildren		1.4%	2.4%
% of grandparents who live with grandchildren		3.2%	4.7%
ACCESS TO CARE			
% 60+ with a regular doctor		92.1%	92.0%
% 60+ who did not see a doctor when needed due to cost		9.9%	8.6%
# of primary care providers in county		19	3,571
# of rural health care centers in county		0	191
# of hospitals in county		1	101
# of home health agencies in county		0	45
# of nursing homes in county		2	204
# of community health centers in county		0	20
# of adult day health centers in county		0	8
# of hospice agencies in county		0	94

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COMMUNITY			
Particulate matter PM2.5		N/A	9.1
Ozone		N/A	0.361
Air pollution: annual # of unhealthy days for 65+		N/A	N/A
Age-friendly efforts in county		Not yet	Not yet
# of senior centers in county		1	115
% households that have smartphone (all ages)		18.4%	15.3%
% households without computer (all ages)		16.2%	13.5%
% households with access to Broadband (all ages)	*	69.9%	75.8%
% households without access to Internet (all ages)	*	29.9%	23.9%
Voter participation rate in 2020 presidential election (age 18+)		67.5%	61.2%
SAFETY & CRIME			
Homicide rate/100,000 persons		0.0	14.1
# firearm fatalities (all ages)		27	3,428
# 60+ deaths by suicide		0	562
TRANSPORTATION			
% 65+ who own a motor vehicle		95.2%	91.5%
% 60+ who always drive or ride wearing a seatbelt		83.4%	89.6%
# of fatal crashes involving adult age 60+		7	780
HOUSING			
% 65+ population who live alone		31.7%	28.1%
Average household size (all ages)	*	2.4	2.6
Median house value	*	$97,000	$125,500
% 60+ who own home	*	86.9%	82.7%
% 60+ homeowners who have mortgage	*	18.0%	32.1%
% 65+ households(renter) who spend >35% of income on housing	*	16.3%	33.5%
% 65+ households(owner) who spend >35% of income on housing		20.1%	15.2%
ECONOMIC			
% 60+ receiving food benefits in last year		8.1%	11.4%
% 65+ employed in last year	*	6.6%	15.6%
% 65+ with income below the poverty line in last year	*	19.4%	12.8%
65+ median household income		$28,313	$36,653
% 65+ households with annual income < $20,000		36.3%	27.4%
% 65+ households with annual income $20,000-$49,999		34.4%	35.5%
% 65+ households with annual income $50,000-$99,999		26.2%	24.6%
% 65+ households with annual income $100,000+	*	3.0%	12.5%

HEALTHY AGING INDICATORS	RATIO OF COUNTY TO STATE	$ COUNTY ESTIMATE	$ STATE ESTIMATE
Elder Index: COST OF LIVING			
Single, homeowner without mortgage, good health	1.02	$21,180	$20,760
Single, renter, good health	1.02	$24,252	$23,892
Couple, homeowner without mortgage, good health	1.04	$34,500	$33,264
Couple, renter, good health	1.03	$37,572	$36,396

TECHNICAL NOTES

**See our technical report for more information on data sources, measures, and methodology. For most indicators the county and state values are estimates derived from sample data. Thus, it is possible that some of the differences between state and county estimates may be due to chance associated with population sampling. We use the terms "Better" and "Worse" to highlight differences between county and state estimates that we are confident are not due to chance. "Better" is used where a higher/lower value has positive implications for the health of older residents. "Worse" is used where a higher/lower score has negative implications for the health of older people, and when the implication is unclear, we use an *. We balance two goals. First, we aim to report data at very local levels because we believe change is often locally driven. Second, we vowed to protect the privacy of the people providing the information reported. Thus, given the constraints of the data analyzed we used a hierarchical approach to reporting.*

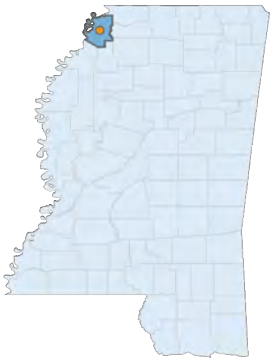
Data Sources:

- *Population Characteristics: The U.S. Census Bureau (American Community Survey 2016-2020) & Robert Wood Johnson Foundation (2020).*
- *COVID-19: Mississippi State Department of Health (MSDH; 2022).*
- *Wellness, Falls, Prevention: The Behavioral Risk Factor Surveillance System (BRFSS; 2013-2020), & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Chronic Disease: The Centers for Medicare and Medicaid Services (CMS) Select Chronic Conditions Database (2018).*
- *Nutrition/Diet, Oral Health: BRFSS (2013-2020) & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Behavioral Health, Mental Health: BRFSS (2013-2020), CMS (2018), & MSDH (2022).*
- *Living with Disability: ACS (2016-2020).*
- *Caregiving: ACS (2016-2020).*
- *Access to Care: BRFSS (2013-2020), CMS (2018), National Adult Day Service Association (June 2022), Community Health Center (Association of Mississippi; June 2022).*
- *Community: Environmental Protection Agency (EPA, 2020), BRFSS (2013-2020), ACS (2016-2020), AARP, & State of Mississippi (May 2022).*
- *Safety & Crime: CDC WONDER (2016-2020).*
- *Transportation: BRFSS (2013-2020), ACS (2016-2020), & Fatality Analysis Reporting System (FARS; 2016-2020).*
- *Housing & Economic: ACS (2016-2020).*
- *Elder Index: Center for Social and Demographic Research on Aging at the University of Massachusetts Boston (2022).*

Acknowledgments: Many people contributed to the MS Healthy Aging Data Report research. The University of Massachusetts Boston Gerontology Institute 2022 research team: Beth Dugan PhD, Nina Silverstein PhD, Chae Man Lee PhD, Taylor Jansen MS, Shu Xu MS, & Yanjhu Su MS. Dr. Kina White from the Mississippi State Department of Health provided important guidance and leadership.

Questions? Beth.Dugan@umb.edu

Tunica



POPULATION CHARACTERISTICS	County rate is significantly different than State rate	COUNTY ESTIMATE	STATE ESTIMATE
Total population all ages		9,807	2,981,835
Population 60 years or older as % of total population		18.9%	22.3%
Total population 60 years or older		1,852	663,581
Population 65 years or older as % of total population		12.1%	15.9%
Total population 65 years or older		1,186	474,270
% 65-74 years	*	78.5%	59.7%
% 75-84 years	*	16.4%	29.4%
% 85 years or older	*	5.1%	10.1%
% 65+ population who are female		56.1%	56.5%
% 85+ population who are female		68.9%	67.4%
Race and ethnicity of the population 65+			
% White	*	39.5%	70.9%
% African American	*	60.2%	26.9%
% Other race(s)		0.3%	2.2%
% Hispanic/Latino		1.5%	1.0%
Marital status of the population 65+			
% married		49.8%	53.1%
% divorced/separated		13.9%	14.5%
% widowed		20.3%	27.1%
% never married	*	15.9%	5.3%
Education of the population 65+			
% with less than high school education		26.0%	20.1%
% with high school or some college		57.7%	58.7%
% with college degree		14.3%	11.8%
% with graduate or professional degree	*	2.0%	9.4%
% of 65+ population who speak only English at home		98.5%	97.8%
% of 65+ population who are veterans of military service		19.9%	15.8%
Life expectancy at birth		70.5	74.6

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COVID-19			
Total COVID-19 cases since March 2020		2,541	797,161
COVID-19 mortality rate per 100,000 people		479.2	417.1
% of county received at least one vaccine dose		55.0%	53.7%
% of county fully vaccinated		52.0%	48.9%
WELLNESS			
% 60+ getting the recommended hours of sleep		59.6%	59.9%
% 60+ doing any physical activity within last month		52.0%	61.3%
% 60+ met CDC guidelines for muscle-strengthening activity		23.0%	19.0%
% 60+ met CDC guidelines for aerobic physical activity	W	26.9%	39.8%
% 60+ with fair or poor health status		36.2%	32.5%
% 60+ with 15+ physically unhealthy days in last month		21.1%	18.7%
FALLS			
% 60+ who fell within last year		28.1%	27.8%
% 60+ who were injured in a fall within last year		11.9%	10.6%
PREVENTION			
% 60+ with physical exam/check-up in last year		88.5%	89.0%
% 60+ had flu shot in last year		50.3%	57.6%
% 60+ had pneumonia vaccine	W	47.2%	58.9%
% 60+ had shingles vaccine		20.3%	24.4%
% 60+ women with a mammogram within last 2 years		63.0%	71.0%
% 60+ with colorectal cancer screening	W	41.7%	57.1%
% 60+ with HIV test		19.4%	20.8%
% 60+ met CDC preventive health screening goals	W	16.1%	26.2%
CHRONIC DISEASE			
% 65+ with Alzheimer’s disease or related dementias		N/A	12.9%
% 65+ with arthritis		31.4%	39.8%
% 65+ with asthma		2.2%	3.7%
% 65+ with atrial fibrillation		9.9%	8.9%
% 65+ with cancer (breast, colorectal, lung, prostate)		8.5%	8.8%
% 65+ with chronic kidney disease		28.0%	25.3%
% 65+ with chronic obstructive pulmonary disease (COPD)		10.4%	12.6%
% 65+ with diabetes		31.3%	30.7%
% 65+ with high cholesterol		48.0%	48.9%
% 65+ with heart failure		18.9%	16.1%
% 65+ with hypertension		67.1%	67.9%
% 65+ with ischemic heart disease		30.0%	31.9%
% 65+ with osteoporosis		N/A	6.4%
% 65+ with stroke		4.8%	4.4%

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
NUTRITION & DIET			
% 60+ with 5 or more servings of fruits or vegetables per day		9.9%	11.1%
% 60+ self-reported obese		34.3%	36.0%
% 60+ with cholesterol screening		96.0%	94.7%
ORAL HEALTH			
% 60+ with annual dental exam	W	41.6%	56.3%
# of dentists per 100,000 persons (all ages)		0.0	42.1
% 60+ with loss of 6 or more teeth		48.8%	45.8%
BEHAVIORAL HEALTH			
# of drug overdose deaths (all ages)		0	2,137
% 60+ current smokers		14.3%	13.1%
% 65+ with alcohol abuse disorder		1.3%	1.3%
% 65+ with drug abuse/substance abuse disorder		1.7%	2.6%
MENTAL HEALTH			
% 60+ with 15+ days poor mental health in last month		9.2%	9.8%
% 65+ with depression		10.1%	16.4%
% 65+ with schizophrenia & other psychotic disorder		2.0%	2.2%
LIVING WITH DISABILITY			
% 65+ with self-reported hearing difficulty		15.1%	15.5%
% 65+ with self-reported vision difficulty		4.8%	8.7%
% 65+ with self-reported cognition difficulty	*	4.7%	11.2%
% 65+ with self-reported ambulatory difficulty		20.2%	28.0%
% 65+ with self-reported self-care difficulty	*	4.4%	10.2%
% 65+ with self-reported independent living difficulty	*	8.5%	17.3%
CAREGIVING			
% of grandparents raising grandchildren		4.4%	2.4%
% of grandparents who live with grandchildren		6.5%	4.7%
ACCESS TO CARE			
% 60+ with a regular doctor		89.4%	92.0%
% 60+ who did not see a doctor when needed due to cost		8.6%	8.6%
# of primary care providers in county		1	3,571
# of rural health care centers in county		2	191
# of hospitals in county		0	101
# of home health agencies in county		0	45
# of nursing homes in county		1	204
# of community health centers in county		0	20
# of adult day health centers in county		0	8
# of hospice agencies in county		0	94

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COMMUNITY			
Particulate matter PM2.5		N/A	9.1
Ozone		N/A	0.361
Air pollution: annual # of unhealthy days for 65+		N/A	N/A
Age-friendly efforts in county		Not yet	Not yet
# of senior centers in county		1	115
% households that have smartphone (all ages)	*	27.1%	15.3%
% households without computer (all ages)		12.8%	13.5%
% households with access to Broadband (all ages)		75.2%	75.8%
% households without access to Internet (all ages)		24.6%	23.9%
Voter participation rate in 2020 presidential election (age 18+)		35.1%	61.2%
SAFETY & CRIME			
Homicide rate/100,000 persons		30.5	14.1
# firearm fatalities (all ages)		16	3,428
# 60+ deaths by suicide		0	562
TRANSPORTATION			
% 65+ who own a motor vehicle		87.1%	91.5%
% 60+ who always drive or ride wearing a seatbelt	W	80.7%	89.6%
# of fatal crashes involving adult age 60+		4	780
HOUSING			
% 65+ population who live alone		34.1%	28.1%
Average household size (all ages)		2.5	2.6
Median house value	*	$101,800	$125,500
% 60+ who own home	*	74.7%	82.7%
% 60+ homeowners who have mortgage		37.3%	32.1%
% 65+ households(renter) who spend >35% of income on housing	*	13.4%	33.5%
% 65+ households(owner) who spend >35% of income on housing		35.3%	15.2%
ECONOMIC			
% 60+ receiving food benefits in last year		18.7%	11.4%
% 65+ employed in last year		19.7%	15.6%
% 65+ with income below the poverty line in last year		15.7%	12.8%
65+ median household income		$30,165	$36,653
% 65+ households with annual income < $20,000		30.0%	27.4%
% 65+ households with annual income $20,000-$49,999		39.4%	35.5%
% 65+ households with annual income $50,000-$99,999		25.6%	24.6%
% 65+ households with annual income $100,000+	*	5.0%	12.5%

HEALTHY AGING INDICATORS	RATIO OF COUNTY TO STATE	$ COUNTY ESTIMATE	$ STATE ESTIMATE
Elder Index: COST OF LIVING			
Single, homeowner without mortgage, good health	0.99	$20,460	$20,760
Single, renter, good health	1.01	$24,228	$23,892
Couple, homeowner without mortgage, good health	0.98	$32,496	$33,264
Couple, renter, good health	1.00	$36,264	$36,396

TECHNICAL NOTES

**See our technical report for more information on data sources, measures, and methodology. For most indicators the county and state values are estimates derived from sample data. Thus, it is possible that some of the differences between state and county estimates may be due to chance associated with population sampling. We use the terms "Better" and "Worse" to highlight differences between county and state estimates that we are confident are not due to chance. "Better" is used where a higher/lower value has positive implications for the health of older residents. "Worse" is used where a higher/lower score has negative implications for the health of older people, and when the implication is unclear, we use an *. We balance two goals. First, we aim to report data at very local levels because we believe change is often locally driven. Second, we vowed to protect the privacy of the people providing the information reported. Thus, given the constraints of the data analyzed we used a hierarchical approach to reporting.*

Data Sources:

- *Population Characteristics: The U.S. Census Bureau (American Community Survey 2016-2020) & Robert Wood Johnson Foundation (2020).*
- *COVID-19: Mississippi State Department of Health (MSDH; 2022).*
- *Wellness, Falls, Prevention: The Behavioral Risk Factor Surveillance System (BRFSS; 2013-2020), & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Chronic Disease: The Centers for Medicare and Medicaid Services (CMS) Select Chronic Conditions Database (2018).*
- *Nutrition/Diet, Oral Health: BRFSS (2013-2020) & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Behavioral Health, Mental Health: BRFSS (2013-2020), CMS (2018), & MSDH (2022).*
- *Living with Disability: ACS (2016-2020).*
- *Caregiving: ACS (2016-2020).*
- *Access to Care: BRFSS (2013-2020), CMS (2018), National Adult Day Service Association (June 2022), Community Health Center (Association of Mississippi; June 2022).*
- *Community: Environmental Protection Agency (EPA, 2020), BRFSS (2013-2020), ACS (2016-2020), AARP, & State of Mississippi (May 2022).*
- *Safety & Crime: CDC WONDER (2016-2020).*
- *Transportation: BRFSS (2013-2020), ACS (2016-2020), & Fatality Analysis Reporting System (FARS; 2016-2020).*
- *Housing & Economic: ACS (2016-2020).*
- *Elder Index: Center for Social and Demographic Research on Aging at the University of Massachusetts Boston (2022).*

Acknowledgments: Many people contributed to the MS Healthy Aging Data Report research. The University of Massachusetts Boston Gerontology Institute 2022 research team: Beth Dugan PhD, Nina Silverstein PhD, Chae Man Lee PhD, Taylor Jansen MS, Shu Xu MS, & Yanjhu Su MS. Dr. Kina White from the Mississippi State Department of Health provided important guidance and leadership.

Questions? Beth.Dugan@umb.edu

Union

POPULATION CHARACTERISTICS	County rate is significantly different than State rate	COUNTY ESTIMATE	STATE ESTIMATE
Total population all ages		28,578	2,981,835
Population 60 years or older as % of total population		23.0%	22.3%
Total population 60 years or older		6,562	663,581
Population 65 years or older as % of total population		16.6%	15.9%
Total population 65 years or older		4,746	474,270
% 65-74 years		59.2%	59.7%
% 75-84 years		29.9%	29.4%
% 85 years or older		10.8%	10.1%
% 65+ population who are female		55.6%	56.5%
% 85+ population who are female	*	87.9%	67.4%
Race and ethnicity of the population 65+			
% White	*	87.4%	70.9%
% African American	*	10.9%	26.9%
% Other race(s)		1.8%	2.2%
% Hispanic/Latino		1.0%	1.0%
Marital status of the population 65+			
% married	*	60.8%	53.1%
% divorced/separated		13.3%	14.5%
% widowed		23.5%	27.1%
% never married	*	2.3%	5.3%
Education of the population 65+			
% with less than high school education		23.5%	20.1%
% with high school or some college		61.2%	58.7%
% with college degree		12.6%	11.8%
% with graduate or professional degree	*	2.7%	9.4%
% of 65+ population who speak only English at home		99.0%	97.8%
% of 65+ population who are veterans of military service	*	11.0%	15.8%
Life expectancy at birth		75.9	74.6

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COVID-19			
Total COVID-19 cases since March 2020		9,474	797,161
COVID-19 mortality rate per 100,000 people		426.9	417.1
% of county received at least one vaccine dose		43.0%	53.7%
% of county fully vaccinated		40.0%	48.9%
WELLNESS			
% 60+ getting the recommended hours of sleep		57.7%	59.9%
% 60+ doing any physical activity within last month	W	50.5%	61.3%
% 60+ met CDC guidelines for muscle-strengthening activity		15.4%	19.0%
% 60+ met CDC guidelines for aerobic physical activity		35.3%	39.8%
% 60+ with fair or poor health status	W	44.3%	32.5%
% 60+ with 15+ physically unhealthy days in last month	W	31.7%	18.7%
FALLS			
% 60+ who fell within last year		35.0%	27.8%
% 60+ who were injured in a fall within last year		12.2%	10.6%
PREVENTION			
% 60+ with physical exam/check-up in last year		93.4%	89.0%
% 60+ had flu shot in last year		55.6%	57.6%
% 60+ had pneumonia vaccine		57.0%	58.9%
% 60+ had shingles vaccine		25.0%	24.4%
% 60+ women with a mammogram within last 2 years		71.8%	71.0%
% 60+ with colorectal cancer screening		52.1%	57.1%
% 60+ with HIV test		17.0%	20.8%
% 60+ met CDC preventive health screening goals		23.6%	26.2%
CHRONIC DISEASE			
% 65+ with Alzheimer’s disease or related dementias		12.1%	12.9%
% 65+ with arthritis		39.6%	39.8%
% 65+ with asthma		3.1%	3.7%
% 65+ with atrial fibrillation		10.1%	8.9%
% 65+ with cancer (breast, colorectal, lung, prostate)		8.4%	8.8%
% 65+ with chronic kidney disease		24.7%	25.3%
% 65+ with chronic obstructive pulmonary disease (COPD)		12.9%	12.6%
% 65+ with diabetes		30.2%	30.7%
% 65+ with high cholesterol		51.6%	48.9%
% 65+ with heart failure		16.9%	16.1%
% 65+ with hypertension		68.8%	67.9%
% 65+ with ischemic heart disease		33.1%	31.9%
% 65+ with osteoporosis		6.4%	6.4%
% 65+ with stroke		4.1%	4.4%

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
NUTRITION & DIET			
% 60+ with 5 or more servings of fruits or vegetables per day		10.5%	11.1%
% 60+ self-reported obese		40.7%	36.0%
% 60+ with cholesterol screening	B	98.2%	94.7%
ORAL HEALTH			
% 60+ with annual dental exam		54.0%	56.3%
# of dentists per 100,000 persons (all ages)		24.3	42.1
% 60+ with loss of 6 or more teeth		41.4%	45.8%
BEHAVIORAL HEALTH			
# of drug overdose deaths (all ages)		12	2,137
% 60+ current smokers		20.6%	13.1%
% 65+ with alcohol abuse disorder		0.7%	1.3%
% 65+ with drug abuse/substance abuse disorder		2.8%	2.6%
MENTAL HEALTH			
% 60+ with 15+ days poor mental health in last month		9.8%	9.8%
% 65+ with depression		19.0%	16.4%
% 65+ with schizophrenia & other psychotic disorder		1.3%	2.2%
LIVING WITH DISABILITY			
% 65+ with self-reported hearing difficulty		19.0%	15.5%
% 65+ with self-reported vision difficulty		7.2%	8.7%
% 65+ with self-reported cognition difficulty		9.5%	11.2%
% 65+ with self-reported ambulatory difficulty		26.7%	28.0%
% 65+ with self-reported self-care difficulty		8.2%	10.2%
% 65+ with self-reported independent living difficulty		15.0%	17.3%
CAREGIVING			
% of grandparents raising grandchildren		2.2%	2.4%
% of grandparents who live with grandchildren		4.3%	4.7%
ACCESS TO CARE			
% 60+ with a regular doctor		90.5%	92.0%
% 60+ who did not see a doctor when needed due to cost		9.9%	8.6%
# of primary care providers in county		30	3,571
# of rural health care centers in county		3	191
# of hospitals in county		1	101
# of home health agencies in county		0	45
# of nursing homes in county		2	204
# of community health centers in county		0	20
# of adult day health centers in county		0	8
# of hospice agencies in county		3	94

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COMMUNITY			
Particulate matter PM2.5		N/A	9.1
Ozone		N/A	0.361
Air pollution: annual # of unhealthy days for 65+		N/A	N/A
Age-friendly efforts in county		Not yet	Not yet
# of senior centers in county		3	115
% households that have smartphone (all ages)		14.9%	15.3%
% households without computer (all ages)		16.5%	13.5%
% households with access to Broadband (all ages)		71.8%	75.8%
% households without access to Internet (all ages)		28.2%	23.9%
Voter participation rate in 2020 presidential election (age 18+)		69.6%	61.2%
SAFETY & CRIME			
Homicide rate/100,000 persons		0.0	14.1
# firearm fatalities (all ages)		25	3,428
# 60+ deaths by suicide		0	562
TRANSPORTATION			
% 65+ who own a motor vehicle		93.2%	91.5%
% 60+ who always drive or ride wearing a seatbelt		83.8%	89.6%
# of fatal crashes involving adult age 60+		9	780
HOUSING			
% 65+ population who live alone		28.0%	28.1%
Average household size (all ages)	*	2.9	2.6
Median house value		$112,900	$125,500
% 60+ who own home		84.4%	82.7%
% 60+ homeowners who have mortgage		30.4%	32.1%
% 65+ households(renter) who spend >35% of income on housing		46.6%	33.5%
% 65+ households(owner) who spend >35% of income on housing		16.5%	15.2%
ECONOMIC			
% 60+ receiving food benefits in last year	*	4.0%	11.4%
% 65+ employed in last year		20.1%	15.6%
% 65+ with income below the poverty line in last year	*	8.3%	12.8%
65+ median household income		$35,533	$36,653
% 65+ households with annual income < $20,000		28.6%	27.4%
% 65+ households with annual income $20,000-$49,999		31.6%	35.5%
% 65+ households with annual income $50,000-$99,999		27.3%	24.6%
% 65+ households with annual income $100,000+		12.6%	12.5%

HEALTHY AGING INDICATORS	RATIO OF COUNTY TO STATE	$ COUNTY ESTIMATE	$ STATE ESTIMATE
Elder Index: COST OF LIVING			
Single, homeowner without mortgage, good health	1.03	$21,324	$20,760
Single, renter, good health	1.02	$24,276	$23,892
Couple, homeowner without mortgage, good health	1.04	$34,644	$33,264
Couple, renter, good health	1.03	$37,596	$36,396

TECHNICAL NOTES

**See our technical report for more information on data sources, measures, and methodology. For most indicators the county and state values are estimates derived from sample data. Thus, it is possible that some of the differences between state and county estimates may be due to chance associated with population sampling. We use the terms "Better" and "Worse" to highlight differences between county and state estimates that we are confident are not due to chance. "Better" is used where a higher/lower value has positive implications for the health of older residents. "Worse" is used where a higher/lower score has negative implications for the health of older people, and when the implication is unclear, we use an *. We balance two goals. First, we aim to report data at very local levels because we believe change is often locally driven. Second, we vowed to protect the privacy of the people providing the information reported. Thus, given the constraints of the data analyzed we used a hierarchical approach to reporting.*

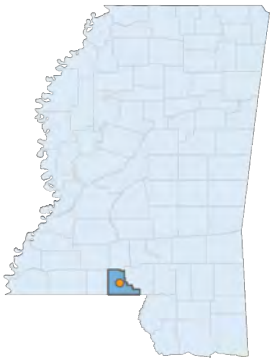
Data Sources:

- *Population Characteristics: The U.S. Census Bureau (American Community Survey 2016-2020) & Robert Wood Johnson Foundation (2020).*
- *COVID-19: Mississippi State Department of Health (MSDH; 2022).*
- *Wellness, Falls, Prevention: The Behavioral Risk Factor Surveillance System (BRFSS; 2013-2020), & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Chronic Disease: The Centers for Medicare and Medicaid Services (CMS) Select Chronic Conditions Database (2018).*
- *Nutrition/Diet, Oral Health: BRFSS (2013-2020) & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Behavioral Health, Mental Health: BRFSS (2013-2020), CMS (2018), & MSDH (2022).*
- *Living with Disability: ACS (2016-2020).*
- *Caregiving: ACS (2016-2020).*
- *Access to Care: BRFSS (2013-2020), CMS (2018), National Adult Day Service Association (June 2022), Community Health Center (Association of Mississippi; June 2022).*
- *Community: Environmental Protection Agency (EPA, 2020), BRFSS (2013-2020), ACS (2016-2020), AARP, & State of Mississippi (May 2022).*
- *Safety & Crime: CDC WONDER (2016-2020).*
- *Transportation: BRFSS (2013-2020), ACS (2016-2020), & Fatality Analysis Reporting System (FARS; 2016-2020).*
- *Housing & Economic: ACS (2016-2020).*
- *Elder Index: Center for Social and Demographic Research on Aging at the University of Massachusetts Boston (2022).*

Acknowledgments: Many people contributed to the MS Healthy Aging Data Report research. The University of Massachusetts Boston Gerontology Institute 2022 research team: Beth Dugan PhD, Nina Silverstein PhD, Chae Man Lee PhD, Taylor Jansen MS, Shu Xu MS, & Yanjhu Su MS. Dr. Kina White from the Mississippi State Department of Health provided important guidance and leadership.

Questions? Beth.Dugan@umb.edu

Walthall



POPULATION CHARACTERISTICS	County rate is significantly different than State rate	COUNTY ESTIMATE	STATE ESTIMATE
Total population all ages		14,423	2,981,835
Population 60 years or older as % of total population		26.8%	22.3%
Total population 60 years or older		3,872	663,581
Population 65 years or older as % of total population		19.7%	15.9%
Total population 65 years or older		2,841	474,270
% 65-74 years		54.5%	59.7%
% 75-84 years		37.3%	29.4%
% 85 years or older		8.3%	10.1%
% 65+ population who are female		56.8%	56.5%
% 85+ population who are female		66.0%	67.4%
Race and ethnicity of the population 65+			
% White		67.0%	70.9%
% African American	*	32.3%	26.9%
% Other race(s)		0.7%	2.2%
% Hispanic/Latino		1.8%	1.0%
Marital status of the population 65+			
% married		51.9%	53.1%
% divorced/separated		11.2%	14.5%
% widowed		35.1%	27.1%
% never married	*	1.8%	5.3%
Education of the population 65+			
% with less than high school education		24.7%	20.1%
% with high school or some college	*	65.1%	58.7%
% with college degree	*	5.6%	11.8%
% with graduate or professional degree	*	4.6%	9.4%
% of 65+ population who speak only English at home		99.2%	97.8%
% of 65+ population who are veterans of military service	*	9.1%	15.8%
Life expectancy at birth		75.5	74.6

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COVID-19			
Total COVID-19 cases since March 2020		3,613	797,161
COVID-19 mortality rate per 100,000 people		547.7	417.1
% of county received at least one vaccine dose		43.0%	53.7%
% of county fully vaccinated		41.0%	48.9%
WELLNESS			
% 60+ getting the recommended hours of sleep		54.6%	59.9%
% 60+ doing any physical activity within last month		52.7%	61.3%
% 60+ met CDC guidelines for muscle-strengthening activity		13.4%	19.0%
% 60+ met CDC guidelines for aerobic physical activity		36.2%	39.8%
% 60+ with fair or poor health status		33.8%	32.5%
% 60+ with 15+ physically unhealthy days in last month		22.1%	18.7%
FALLS			
% 60+ who fell within last year		35.2%	27.8%
% 60+ who were injured in a fall within last year		12.0%	10.6%
PREVENTION			
% 60+ with physical exam/check-up in last year		92.5%	89.0%
% 60+ had flu shot in last year		52.0%	57.6%
% 60+ had pneumonia vaccine		59.0%	58.9%
% 60+ had shingles vaccine		23.0%	24.4%
% 60+ women with a mammogram within last 2 years		65.2%	71.0%
% 60+ with colorectal cancer screening		52.9%	57.1%
% 60+ with HIV test		22.9%	20.8%
% 60+ met CDC preventive health screening goals		20.4%	26.2%
CHRONIC DISEASE			
% 65+ with Alzheimer’s disease or related dementias		14.2%	12.9%
% 65+ with arthritis		48.5%	39.8%
% 65+ with asthma		6.8%	3.7%
% 65+ with atrial fibrillation		9.2%	8.9%
% 65+ with cancer (breast, colorectal, lung, prostate)		9.0%	8.8%
% 65+ with chronic kidney disease		26.4%	25.3%
% 65+ with chronic obstructive pulmonary disease (COPD)		15.2%	12.6%
% 65+ with diabetes		35.0%	30.7%
% 65+ with high cholesterol		51.3%	48.9%
% 65+ with heart failure		17.6%	16.1%
% 65+ with hypertension		75.0%	67.9%
% 65+ with ischemic heart disease		39.9%	31.9%
% 65+ with osteoporosis		N/A	6.4%
% 65+ with stroke		4.0%	4.4%

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
NUTRITION & DIET			
% 60+ with 5 or more servings of fruits or vegetables per day		9.7%	11.1%
% 60+ self-reported obese		34.8%	36.0%
% 60+ with cholesterol screening		92.5%	94.7%
ORAL HEALTH			
% 60+ with annual dental exam		49.1%	56.3%
# of dentists per 100,000 persons (all ages)		7.0	42.1
% 60+ with loss of 6 or more teeth		50.6%	45.8%
BEHAVIORAL HEALTH			
# of drug overdose deaths (all ages)		0	2,137
% 60+ current smokers		12.4%	13.1%
% 65+ with alcohol abuse disorder		N/A	1.3%
% 65+ with drug abuse/substance abuse disorder		3.2%	2.6%
MENTAL HEALTH			
% 60+ with 15+ days poor mental health in last month		12.0%	9.8%
% 65+ with depression		17.3%	16.4%
% 65+ with schizophrenia & other psychotic disorder		2.0%	2.2%
LIVING WITH DISABILITY			
% 65+ with self-reported hearing difficulty		13.2%	15.5%
% 65+ with self-reported vision difficulty		6.0%	8.7%
% 65+ with self-reported cognition difficulty		9.0%	11.2%
% 65+ with self-reported ambulatory difficulty		26.4%	28.0%
% 65+ with self-reported self-care difficulty		10.2%	10.2%
% 65+ with self-reported independent living difficulty		12.8%	17.3%
CAREGIVING			
% of grandparents raising grandchildren		2.1%	2.4%
% of grandparents who live with grandchildren		4.3%	4.7%
ACCESS TO CARE			
% 60+ with a regular doctor		94.7%	92.0%
% 60+ who did not see a doctor when needed due to cost		9.8%	8.6%
# of primary care providers in county		8	3,571
# of rural health care centers in county		1	191
# of hospitals in county		1	101
# of home health agencies in county		0	45
# of nursing homes in county		2	204
# of community health centers in county		0	20
# of adult day health centers in county		0	8
# of hospice agencies in county		0	94

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COMMUNITY			
Particulate matter PM2.5		N/A	9.1
Ozone		N/A	0.361
Air pollution: annual # of unhealthy days for 65+		N/A	N/A
Age-friendly efforts in county		Not yet	Not yet
# of senior centers in county		0	115
% households that have smartphone (all ages)		18.6%	15.3%
% households without computer (all ages)	*	25.4%	13.5%
% households with access to Broadband (all ages)	*	56.2%	75.8%
% households without access to Internet (all ages)	*	43.8%	23.9%
Voter participation rate in 2020 presidential election (age 18+)		63.0%	61.2%
SAFETY & CRIME			
Homicide rate/100,000 persons		0.0	14.1
# firearm fatalities (all ages)		12	3,428
# 60+ deaths by suicide		0	562
TRANSPORTATION			
% 65+ who own a motor vehicle		94.7%	91.5%
% 60+ who always drive or ride wearing a seatbelt		91.8%	89.6%
# of fatal crashes involving adult age 60+		3	780
HOUSING			
% 65+ population who live alone	*	34.3%	28.1%
Average household size (all ages)		2.5	2.6
Median house value	*	$98,100	$125,500
% 60+ who own home	*	88.4%	82.7%
% 60+ homeowners who have mortgage	*	21.4%	32.1%
% 65+ households(renter) who spend >35% of income on housing		0.0%	33.5%
% 65+ households(owner) who spend >35% of income on housing	*	29.7%	15.2%
ECONOMIC			
% 60+ receiving food benefits in last year		13.5%	11.4%
% 65+ employed in last year		13.1%	15.6%
% 65+ with income below the poverty line in last year	*	22.6%	12.8%
65+ median household income	*	$19,359	$36,653
% 65+ households with annual income < $20,000	*	51.0%	27.4%
% 65+ households with annual income $20,000-$49,999		28.9%	35.5%
% 65+ households with annual income $50,000-$99,999	*	13.6%	24.6%
% 65+ households with annual income $100,000+	*	6.5%	12.5%

HEALTHY AGING INDICATORS	RATIO OF COUNTY TO STATE	$ COUNTY ESTIMATE	$ STATE ESTIMATE
Elder Index: COST OF LIVING			
Single, homeowner without mortgage, good health	1.04	$21,528	$20,760
Single, renter, good health	0.98	$23,352	$23,892
Couple, homeowner without mortgage, good health	1.05	$34,848	$33,264
Couple, renter, good health	1.01	$36,672	$36,396

TECHNICAL NOTES

**See our technical report for more information on data sources, measures, and methodology. For most indicators the county and state values are estimates derived from sample data. Thus, it is possible that some of the differences between state and county estimates may be due to chance associated with population sampling. We use the terms "Better" and "Worse" to highlight differences between county and state estimates that we are confident are not due to chance. "Better" is used where a higher/lower value has positive implications for the health of older residents. "Worse" is used where a higher/lower score has negative implications for the health of older people, and when the implication is unclear, we use an *. We balance two goals. First, we aim to report data at very local levels because we believe change is often locally driven. Second, we vowed to protect the privacy of the people providing the information reported. Thus, given the constraints of the data analyzed we used a hierarchical approach to reporting.*

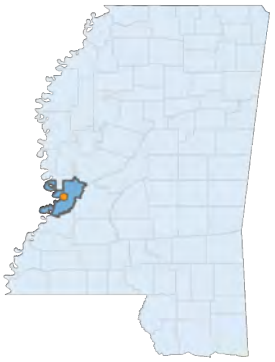
Data Sources:

- *Population Characteristics: The U.S. Census Bureau (American Community Survey 2016-2020) & Robert Wood Johnson Foundation (2020).*
- *COVID-19: Mississippi State Department of Health (MSDH; 2022).*
- *Wellness, Falls, Prevention: The Behavioral Risk Factor Surveillance System (BRFSS; 2013-2020), & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Chronic Disease: The Centers for Medicare and Medicaid Services (CMS) Select Chronic Conditions Database (2018).*
- *Nutrition/Diet, Oral Health: BRFSS (2013-2020) & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Behavioral Health, Mental Health: BRFSS (2013-2020), CMS (2018), & MSDH (2022).*
- *Living with Disability: ACS (2016-2020).*
- *Caregiving: ACS (2016-2020).*
- *Access to Care: BRFSS (2013-2020), CMS (2018), National Adult Day Service Association (June 2022), Community Health Center (Association of Mississippi; June 2022).*
- *Community: Environmental Protection Agency (EPA, 2020), BRFSS (2013-2020), ACS (2016-2020), AARP, & State of Mississippi (May 2022).*
- *Safety & Crime: CDC WONDER (2016-2020).*
- *Transportation: BRFSS (2013-2020), ACS (2016-2020), & Fatality Analysis Reporting System (FARS; 2016-2020).*
- *Housing & Economic: ACS (2016-2020).*
- *Elder Index: Center for Social and Demographic Research on Aging at the University of Massachusetts Boston (2022).*

Acknowledgments: Many people contributed to the MS Healthy Aging Data Report research. The University of Massachusetts Boston Gerontology Institute 2022 research team: Beth Dugan PhD, Nina Silverstein PhD, Chae Man Lee PhD, Taylor Jansen MS, Shu Xu MS, & Yanjhu Su MS. Dr. Kina White from the Mississippi State Department of Health provided important guidance and leadership.

Questions? Beth.Dugan@umb.edu

Warren



POPULATION CHARACTERISTICS	County rate is significantly different than State rate	COUNTY ESTIMATE	STATE ESTIMATE
Total population all ages		46,030	2,981,835
Population 60 years or older as % of total population		24.5%	22.3%
Total population 60 years or older		11,291	663,581
Population 65 years or older as % of total population		16.8%	15.9%
Total population 65 years or older		7,712	474,270
% 65-74 years		61.8%	59.7%
% 75-84 years		29.3%	29.4%
% 85 years or older		9.0%	10.1%
% 65+ population who are female		55.2%	56.5%
% 85+ population who are female		74.7%	67.4%
Race and ethnicity of the population 65+			
% White	*	63.6%	70.9%
% African American	*	33.8%	26.9%
% Other race(s)		2.6%	2.2%
% Hispanic/Latino		1.5%	1.0%
Marital status of the population 65+			
% married	*	48.0%	53.1%
% divorced/separated		19.1%	14.5%
% widowed		27.5%	27.1%
% never married		5.4%	5.3%
Education of the population 65+			
% with less than high school education		18.7%	20.1%
% with high school or some college		56.3%	58.7%
% with college degree		13.6%	11.8%
% with graduate or professional degree		11.4%	9.4%
% of 65+ population who speak only English at home		94.7%	97.8%
% of 65+ population who are veterans of military service	*	19.1%	15.8%
Life expectancy at birth		73.6	74.6

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COVID-19			
Total COVID-19 cases since March 2020		10,223	797,161
COVID-19 mortality rate per 100,000 people		438.8	417.1
% of county received at least one vaccine dose		63.0%	53.7%
% of county fully vaccinated		57.0%	48.9%
WELLNESS			
% 60+ getting the recommended hours of sleep		63.4%	59.9%
% 60+ doing any physical activity within last month		56.8%	61.3%
% 60+ met CDC guidelines for muscle-strengthening activity		18.0%	19.0%
% 60+ met CDC guidelines for aerobic physical activity		35.9%	39.8%
% 60+ with fair or poor health status		35.6%	32.5%
% 60+ with 15+ physically unhealthy days in last month		20.7%	18.7%
FALLS			
% 60+ who fell within last year	B	17.5%	27.8%
% 60+ who were injured in a fall within last year		10.1%	10.6%
PREVENTION			
% 60+ with physical exam/check-up in last year		90.8%	89.0%
% 60+ had flu shot in last year		60.2%	57.6%
% 60+ had pneumonia vaccine		54.1%	58.9%
% 60+ had shingles vaccine		25.3%	24.4%
% 60+ women with a mammogram within last 2 years		66.0%	71.0%
% 60+ with colorectal cancer screening		59.7%	57.1%
% 60+ with HIV test	*	32.2%	20.8%
% 60+ met CDC preventive health screening goals		23.7%	26.2%
CHRONIC DISEASE			
% 65+ with Alzheimer’s disease or related dementias		13.0%	12.9%
% 65+ with arthritis		42.6%	39.8%
% 65+ with asthma		3.1%	3.7%
% 65+ with atrial fibrillation		7.5%	8.9%
% 65+ with cancer (breast, colorectal, lung, prostate)		8.3%	8.8%
% 65+ with chronic kidney disease		18.4%	25.3%
% 65+ with chronic obstructive pulmonary disease (COPD)		13.7%	12.6%
% 65+ with diabetes		28.9%	30.7%
% 65+ with high cholesterol		48.9%	48.9%
% 65+ with heart failure		14.1%	16.1%
% 65+ with hypertension		68.4%	67.9%
% 65+ with ischemic heart disease		29.7%	31.9%
% 65+ with osteoporosis		5.9%	6.4%
% 65+ with stroke		5.7%	4.4%

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
NUTRITION & DIET			
% 60+ with 5 or more servings of fruits or vegetables per day		11.5%	11.1%
% 60+ self-reported obese		36.8%	36.0%
% 60+ with cholesterol screening		96.7%	94.7%
ORAL HEALTH			
% 60+ with annual dental exam		57.6%	56.3%
# of dentists per 100,000 persons (all ages)		33.5	42.1
% 60+ with loss of 6 or more teeth		52.4%	45.8%
BEHAVIORAL HEALTH			
# of drug overdose deaths (all ages)		17	2,137
% 60+ current smokers		14.7%	13.1%
% 65+ with alcohol abuse disorder		1.2%	1.3%
% 65+ with drug abuse/substance abuse disorder		3.5%	2.6%
MENTAL HEALTH			
% 60+ with 15+ days poor mental health in last month		9.5%	9.8%
% 65+ with depression		16.1%	16.4%
% 65+ with schizophrenia & other psychotic disorder		2.0%	2.2%
LIVING WITH DISABILITY			
% 65+ with self-reported hearing difficulty		16.8%	15.5%
% 65+ with self-reported vision difficulty		10.8%	8.7%
% 65+ with self-reported cognition difficulty		10.4%	11.2%
% 65+ with self-reported ambulatory difficulty		29.4%	28.0%
% 65+ with self-reported self-care difficulty		9.1%	10.2%
% 65+ with self-reported independent living difficulty		14.0%	17.3%
CAREGIVING			
% of grandparents raising grandchildren		2.1%	2.4%
% of grandparents who live with grandchildren		4.6%	4.7%
ACCESS TO CARE			
% 60+ with a regular doctor		91.0%	92.0%
% 60+ who did not see a doctor when needed due to cost		7.5%	8.6%
# of primary care providers in county		51	3,571
# of rural health care centers in county		2	191
# of hospitals in county		1	101
# of home health agencies in county		3	45
# of nursing homes in county		4	204
# of community health centers in county		0	20
# of adult day health centers in county		0	8
# of hospice agencies in county		2	94

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COMMUNITY			
Particulate matter PM2.5		N/A	9.1
Ozone		N/A	0.361
Air pollution: annual # of unhealthy days for 65+		N/A	N/A
Age-friendly efforts in county		Yes	Not yet
# of senior centers in county		1	115
% households that have smartphone (all ages)	*	18.8%	15.3%
% households without computer (all ages)		11.6%	13.5%
% households with access to Broadband (all ages)		77.2%	75.8%
% households without access to Internet (all ages)		22.6%	23.9%
Voter participation rate in 2020 presidential election (age 18+)		68.5%	61.2%
SAFETY & CRIME			
Homicide rate/100,000 persons		17.4	14.1
# firearm fatalities (all ages)		61	3,428
# 60+ deaths by suicide		0	562
TRANSPORTATION			
% 65+ who own a motor vehicle		90.7%	91.5%
% 60+ who always drive or ride wearing a seatbelt		90.2%	89.6%
# of fatal crashes involving adult age 60+		9	780
HOUSING			
% 65+ population who live alone	*	33.5%	28.1%
Average household size (all ages)		2.5	2.6
Median house value		$133,100	$125,500
% 60+ who own home		80.8%	82.7%
% 60+ homeowners who have mortgage		37.7%	32.1%
% 65+ households(renter) who spend >35% of income on housing		42.2%	33.5%
% 65+ households(owner) who spend >35% of income on housing		17.8%	15.2%
ECONOMIC			
% 60+ receiving food benefits in last year		11.3%	11.4%
% 65+ employed in last year		18.9%	15.6%
% 65+ with income below the poverty line in last year		12.6%	12.8%
65+ median household income		$41,494	$36,653
% 65+ households with annual income < $20,000		27.4%	27.4%
% 65+ households with annual income $20,000-$49,999		34.2%	35.5%
% 65+ households with annual income $50,000-$99,999		24.9%	24.6%
% 65+ households with annual income $100,000+		13.5%	12.5%

HEALTHY AGING INDICATORS	RATIO OF COUNTY TO STATE	$ COUNTY ESTIMATE	$ STATE ESTIMATE
Elder Index: COST OF LIVING			
Single, homeowner without mortgage, good health	1.06	$22,104	$20,760
Single, renter, good health	1.03	$24,516	$23,892
Couple, homeowner without mortgage, good health	1.06	$35,424	$33,264
Couple, renter, good health	1.04	$37,836	$36,396

TECHNICAL NOTES

**See our technical report for more information on data sources, measures, and methodology. For most indicators the county and state values are estimates derived from sample data. Thus, it is possible that some of the differences between state and county estimates may be due to chance associated with population sampling. We use the terms "Better" and "Worse" to highlight differences between county and state estimates that we are confident are not due to chance. "Better" is used where a higher/lower value has positive implications for the health of older residents. "Worse" is used where a higher/lower score has negative implications for the health of older people, and when the implication is unclear, we use an *. We balance two goals. First, we aim to report data at very local levels because we believe change is often locally driven. Second, we vowed to protect the privacy of the people providing the information reported. Thus, given the constraints of the data analyzed we used a hierarchical approach to reporting.*

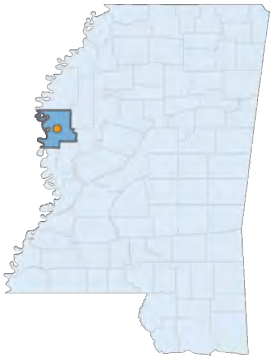
Data Sources:

- *Population Characteristics: The U.S. Census Bureau (American Community Survey 2016-2020) & Robert Wood Johnson Foundation (2020).*
- *COVID-19: Mississippi State Department of Health (MSDH; 2022).*
- *Wellness, Falls, Prevention: The Behavioral Risk Factor Surveillance System (BRFSS; 2013-2020), & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Chronic Disease: The Centers for Medicare and Medicaid Services (CMS) Select Chronic Conditions Database (2018).*
- *Nutrition/Diet, Oral Health: BRFSS (2013-2020) & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Behavioral Health, Mental Health: BRFSS (2013-2020), CMS (2018), & MSDH (2022).*
- *Living with Disability: ACS (2016-2020).*
- *Caregiving: ACS (2016-2020).*
- *Access to Care: BRFSS (2013-2020), CMS (2018), National Adult Day Service Association (June 2022), Community Health Center (Association of Mississippi; June 2022).*
- *Community: Environmental Protection Agency (EPA, 2020), BRFSS (2013-2020), ACS (2016-2020), AARP, & State of Mississippi (May 2022).*
- *Safety & Crime: CDC WONDER (2016-2020).*
- *Transportation: BRFSS (2013-2020), ACS (2016-2020), & Fatality Analysis Reporting System (FARS; 2016-2020).*
- *Housing & Economic: ACS (2016-2020).*
- *Elder Index: Center for Social and Demographic Research on Aging at the University of Massachusetts Boston (2022).*

Acknowledgments: Many people contributed to the MS Healthy Aging Data Report research. The University of Massachusetts Boston Gerontology Institute 2022 research team: Beth Dugan PhD, Nina Silverstein PhD, Chae Man Lee PhD, Taylor Jansen MS, Shu Xu MS, & Yanjhu Su MS. Dr. Kina White from the Mississippi State Department of Health provided important guidance and leadership.

Questions? Beth.Dugan@umb.edu

Washington



POPULATION CHARACTERISTICS	County rate is significantly different than State rate	COUNTY ESTIMATE	STATE ESTIMATE
Total population all ages		45,072	2,981,835
Population 60 years or older as % of total population		23.4%	22.3%
Total population 60 years or older		10,555	663,581
Population 65 years or older as % of total population		16.4%	15.9%
Total population 65 years or older		7,376	474,270
% 65-74 years		63.3%	59.7%
% 75-84 years		28.1%	29.4%
% 85 years or older		8.7%	10.1%
% 65+ population who are female		56.5%	56.5%
% 85+ population who are female		70.0%	67.4%
Race and ethnicity of the population 65+			
% White	*	38.4%	70.9%
% African American	*	54.2%	26.9%
% Other race(s)	*	7.4%	2.2%
% Hispanic/Latino		1.5%	1.0%
Marital status of the population 65+			
% married	*	44.6%	53.1%
% divorced/separated		17.8%	14.5%
% widowed		28.9%	27.1%
% never married	*	8.7%	5.3%
Education of the population 65+			
% with less than high school education	*	24.7%	20.1%
% with high school or some college	*	49.7%	58.7%
% with college degree		14.2%	11.8%
% with graduate or professional degree		11.4%	9.4%
% of 65+ population who speak only English at home		95.7%	97.8%
% of 65+ population who are veterans of military service	*	11.8%	15.8%
Life expectancy at birth		71.2	74.6

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COVID-19			
Total COVID-19 cases since March 2020		10,417	797,161
COVID-19 mortality rate per 100,000 people		439.3	417.1
% of county received at least one vaccine dose		57.0%	53.7%
% of county fully vaccinated		52.0%	48.9%
WELLNESS			
% 60+ getting the recommended hours of sleep		53.4%	59.9%
% 60+ doing any physical activity within last month		53.7%	61.3%
% 60+ met CDC guidelines for muscle-strengthening activity		18.5%	19.0%
% 60+ met CDC guidelines for aerobic physical activity		35.5%	39.8%
% 60+ with fair or poor health status		36.0%	32.5%
% 60+ with 15+ physically unhealthy days in last month		17.8%	18.7%
FALLS			
% 60+ who fell within last year		21.1%	27.8%
% 60+ who were injured in a fall within last year		9.4%	10.6%
PREVENTION			
% 60+ with physical exam/check-up in last year		89.1%	89.0%
% 60+ had flu shot in last year		57.9%	57.6%
% 60+ had pneumonia vaccine	W	49.0%	58.9%
% 60+ had shingles vaccine		17.7%	24.4%
% 60+ women with a mammogram within last 2 years	B	80.6%	71.0%
% 60+ with colorectal cancer screening		56.0%	57.1%
% 60+ with HIV test		24.3%	20.8%
% 60+ met CDC preventive health screening goals		20.3%	26.2%
CHRONIC DISEASE			
% 65+ with Alzheimer’s disease or related dementias		13.5%	12.9%
% 65+ with arthritis		30.3%	39.8%
% 65+ with asthma		2.5%	3.7%
% 65+ with atrial fibrillation		8.2%	8.9%
% 65+ with cancer (breast, colorectal, lung, prostate)		7.4%	8.8%
% 65+ with chronic kidney disease		20.5%	25.3%
% 65+ with chronic obstructive pulmonary disease (COPD)		9.2%	12.6%
% 65+ with diabetes		30.9%	30.7%
% 65+ with high cholesterol		39.8%	48.9%
% 65+ with heart failure		19.8%	16.1%
% 65+ with hypertension		69.4%	67.9%
% 65+ with ischemic heart disease		29.6%	31.9%
% 65+ with osteoporosis		3.5%	6.4%
% 65+ with stroke		4.5%	4.4%

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
NUTRITION & DIET			
% 60+ with 5 or more servings of fruits or vegetables per day		11.0%	11.1%
% 60+ self-reported obese		39.9%	36.0%
% 60+ with cholesterol screening		94.3%	94.7%
ORAL HEALTH			
% 60+ with annual dental exam		53.9%	56.3%
# of dentists per 100,000 persons (all ages)		37.3	42.1
% 60+ with loss of 6 or more teeth		37.0%	45.8%
BEHAVIORAL HEALTH			
# of drug overdose deaths (all ages)		19	2,137
% 60+ current smokers		8.9%	13.1%
% 65+ with alcohol abuse disorder		1.3%	1.3%
% 65+ with drug abuse/substance abuse disorder		2.6%	2.6%
MENTAL HEALTH			
% 60+ with 15+ days poor mental health in last month		9.2%	9.8%
% 65+ with depression		8.9%	16.4%
% 65+ with schizophrenia & other psychotic disorder		2.4%	2.2%
LIVING WITH DISABILITY			
% 65+ with self-reported hearing difficulty		12.7%	15.5%
% 65+ with self-reported vision difficulty	*	14.3%	8.7%
% 65+ with self-reported cognition difficulty	*	16.6%	11.2%
% 65+ with self-reported ambulatory difficulty		29.5%	28.0%
% 65+ with self-reported self-care difficulty		12.3%	10.2%
% 65+ with self-reported independent living difficulty		18.1%	17.3%
CAREGIVING			
% of grandparents raising grandchildren	*	4.8%	2.4%
% of grandparents who live with grandchildren	*	6.9%	4.7%
ACCESS TO CARE			
% 60+ with a regular doctor		92.7%	92.0%
% 60+ who did not see a doctor when needed due to cost		8.7%	8.6%
# of primary care providers in county		21	3,571
# of rural health care centers in county		3	191
# of hospitals in county		1	101
# of home health agencies in county		1	45
# of nursing homes in county		5	204
# of community health centers in county		0	20
# of adult day health centers in county		1	8
# of hospice agencies in county		2	94

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COMMUNITY			
Particulate matter PM2.5		N/A	9.1
Ozone		N/A	0.361
Air pollution: annual # of unhealthy days for 65+		N/A	N/A
Age-friendly efforts in county		Not yet	Not yet
# of senior centers in county		2	115
% households that have smartphone (all ages)		13.4%	15.3%
% households without computer (all ages)	*	20.8%	13.5%
% households with access to Broadband (all ages)	*	63.3%	75.8%
% households without access to Internet (all ages)	*	36.5%	23.9%
Voter participation rate in 2020 presidential election (age 18+)		51.1%	61.2%
SAFETY & CRIME			
Homicide rate/100,000 persons		36.0	14.1
# firearm fatalities (all ages)		90	3,428
# 60+ deaths by suicide		0	562
TRANSPORTATION			
% 65+ who own a motor vehicle		86.5%	91.5%
% 60+ who always drive or ride wearing a seatbelt	W	80.9%	89.6%
# of fatal crashes involving adult age 60+		20	780
HOUSING			
% 65+ population who live alone	*	33.2%	28.1%
Average household size (all ages)	*	2.5	2.6
Median house value	*	$80,600	$125,500
% 60+ who own home	*	73.0%	82.7%
% 60+ homeowners who have mortgage		33.0%	32.1%
% 65+ households(renter) who spend >35% of income on housing		35.6%	33.5%
% 65+ households(owner) who spend >35% of income on housing	*	22.7%	15.2%
ECONOMIC			
% 60+ receiving food benefits in last year	*	16.8%	11.4%
% 65+ employed in last year	*	19.3%	15.6%
% 65+ with income below the poverty line in last year	*	20.1%	12.8%
65+ median household income	*	$31,318	$36,653
% 65+ households with annual income < $20,000		33.3%	27.4%
% 65+ households with annual income $20,000-$49,999		31.1%	35.5%
% 65+ households with annual income $50,000-$99,999		20.6%	24.6%
% 65+ households with annual income $100,000+		15.0%	12.5%

HEALTHY AGING INDICATORS	RATIO OF COUNTY TO STATE	$ COUNTY ESTIMATE	$ STATE ESTIMATE
Elder Index: COST OF LIVING			
Single, homeowner without mortgage, good health	0.98	$20,436	$20,760
Single, renter, good health	0.96	$23,028	$23,892
Couple, homeowner without mortgage, good health	0.99	$32,772	$33,264
Couple, renter, good health	0.97	$35,364	$36,396

TECHNICAL NOTES

**See our technical report for more information on data sources, measures, and methodology. For most indicators the county and state values are estimates derived from sample data. Thus, it is possible that some of the differences between state and county estimates may be due to chance associated with population sampling. We use the terms "Better" and "Worse" to highlight differences between county and state estimates that we are confident are not due to chance. "Better" is used where a higher/lower value has positive implications for the health of older residents. "Worse" is used where a higher/lower score has negative implications for the health of older people, and when the implication is unclear, we use an *. We balance two goals. First, we aim to report data at very local levels because we believe change is often locally driven. Second, we vowed to protect the privacy of the people providing the information reported. Thus, given the constraints of the data analyzed we used a hierarchical approach to reporting.*

Data Sources:

- *Population Characteristics: The U.S. Census Bureau (American Community Survey 2016-2020) & Robert Wood Johnson Foundation (2020).*
- *COVID-19: Mississippi State Department of Health (MSDH; 2022).*
- *Wellness, Falls, Prevention: The Behavioral Risk Factor Surveillance System (BRFSS; 2013-2020), & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Chronic Disease: The Centers for Medicare and Medicaid Services (CMS) Select Chronic Conditions Database (2018).*
- *Nutrition/Diet, Oral Health: BRFSS (2013-2020) & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Behavioral Health, Mental Health: BRFSS (2013-2020), CMS (2018), & MSDH (2022).*
- *Living with Disability: ACS (2016-2020).*
- *Caregiving: ACS (2016-2020).*
- *Access to Care: BRFSS (2013-2020), CMS (2018), National Adult Day Service Association (June 2022), Community Health Center (Association of Mississippi; June 2022).*
- *Community: Environmental Protection Agency (EPA, 2020), BRFSS (2013-2020), ACS (2016-2020), AARP, & State of Mississippi (May 2022).*
- *Safety & Crime: CDC WONDER (2016-2020).*
- *Transportation: BRFSS (2013-2020), ACS (2016-2020), & Fatality Analysis Reporting System (FARS; 2016-2020).*
- *Housing & Economic: ACS (2016-2020).*
- *Elder Index: Center for Social and Demographic Research on Aging at the University of Massachusetts Boston (2022).*

Acknowledgments: Many people contributed to the MS Healthy Aging Data Report research. The University of Massachusetts Boston Gerontology Institute 2022 research team: Beth Dugan PhD, Nina Silverstein PhD, Chae Man Lee PhD, Taylor Jansen MS, Shu Xu MS, & Yanjhu Su MS. Dr. Kina White from the Mississippi State Department of Health provided important guidance and leadership.

Questions? Beth.Dugan@umb.edu

Wayne

POPULATION CHARACTERISTICS	County rate is significantly different than State rate	COUNTY ESTIMATE	STATE ESTIMATE
Total population all ages		20,344	2,981,835
Population 60 years or older as % of total population		24.3%	22.3%
Total population 60 years or older		4,950	663,581
Population 65 years or older as % of total population		16.4%	15.9%
Total population 65 years or older		3,334	474,270
% 65-74 years		58.3%	59.7%
% 75-84 years		34.5%	29.4%
% 85 years or older		7.2%	10.1%
% 65+ population who are female		58.2%	56.5%
% 85+ population who are female		77.8%	67.4%
Race and ethnicity of the population 65+			
% White		74.5%	70.9%
% African American		25.2%	26.9%
% Other race(s)		0.3%	2.2%
% Hispanic/Latino		0.0%	1.0%
Marital status of the population 65+			
% married	*	46.6%	53.1%
% divorced/separated		12.8%	14.5%
% widowed		33.1%	27.1%
% never married		7.5%	5.3%
Education of the population 65+			
% with less than high school education		26.8%	20.1%
% with high school or some college		53.3%	58.7%
% with college degree		8.5%	11.8%
% with graduate or professional degree		11.5%	9.4%
% of 65+ population who speak only English at home		100.0%	97.8%
% of 65+ population who are veterans of military service	*	8.7%	15.8%
Life expectancy at birth		75.3	74.6

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COVID-19			
Total COVID-19 cases since March 2020		6,003	797,161
COVID-19 mortality rate per 100,000 people		427.6	417.1
% of county received at least one vaccine dose		44.0%	53.7%
% of county fully vaccinated		40.0%	48.9%
WELLNESS			
% 60+ getting the recommended hours of sleep		55.6%	59.9%
% 60+ doing any physical activity within last month	W	52.9%	61.3%
% 60+ met CDC guidelines for muscle-strengthening activity	W	12.7%	19.0%
% 60+ met CDC guidelines for aerobic physical activity		33.0%	39.8%
% 60+ with fair or poor health status	W	38.9%	32.5%
% 60+ with 15+ physically unhealthy days in last month		21.3%	18.7%
FALLS			
% 60+ who fell within last year		29.8%	27.8%
% 60+ who were injured in a fall within last year		11.3%	10.6%
PREVENTION			
% 60+ with physical exam/check-up in last year		85.9%	89.0%
% 60+ had flu shot in last year		57.5%	57.6%
% 60+ had pneumonia vaccine		56.4%	58.9%
% 60+ had shingles vaccine		26.6%	24.4%
% 60+ women with a mammogram within last 2 years		68.1%	71.0%
% 60+ with colorectal cancer screening		52.8%	57.1%
% 60+ with HIV test		20.6%	20.8%
% 60+ met CDC preventive health screening goals		26.1%	26.2%
CHRONIC DISEASE			
% 65+ with Alzheimer’s disease or related dementias		13.6%	12.9%
% 65+ with arthritis		48.5%	39.8%
% 65+ with asthma		4.3%	3.7%
% 65+ with atrial fibrillation		7.6%	8.9%
% 65+ with cancer (breast, colorectal, lung, prostate)		9.0%	8.8%
% 65+ with chronic kidney disease		21.5%	25.3%
% 65+ with chronic obstructive pulmonary disease (COPD)		10.4%	12.6%
% 65+ with diabetes		28.3%	30.7%
% 65+ with high cholesterol		39.6%	48.9%
% 65+ with heart failure		14.8%	16.1%
% 65+ with hypertension		65.8%	67.9%
% 65+ with ischemic heart disease		32.7%	31.9%
% 65+ with osteoporosis		6.3%	6.4%
% 65+ with stroke		3.9%	4.4%

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
NUTRITION & DIET			
% 60+ with 5 or more servings of fruits or vegetables per day		10.1%	11.1%
% 60+ self-reported obese		36.5%	36.0%
% 60+ with cholesterol screening		91.5%	94.7%
ORAL HEALTH			
% 60+ with annual dental exam		52.8%	56.3%
# of dentists per 100,000 persons (all ages)		19.7	42.1
% 60+ with loss of 6 or more teeth		51.3%	45.8%
BEHAVIORAL HEALTH			
# of drug overdose deaths (all ages)		14	2,137
% 60+ current smokers		11.4%	13.1%
% 65+ with alcohol abuse disorder		0.9%	1.3%
% 65+ with drug abuse/substance abuse disorder		2.2%	2.6%
MENTAL HEALTH			
% 60+ with 15+ days poor mental health in last month		10.3%	9.8%
% 65+ with depression		17.5%	16.4%
% 65+ with schizophrenia & other psychotic disorder		2.0%	2.2%
LIVING WITH DISABILITY			
% 65+ with self-reported hearing difficulty		15.2%	15.5%
% 65+ with self-reported vision difficulty		8.9%	8.7%
% 65+ with self-reported cognition difficulty		17.0%	11.2%
% 65+ with self-reported ambulatory difficulty		26.2%	28.0%
% 65+ with self-reported self-care difficulty		12.2%	10.2%
% 65+ with self-reported independent living difficulty		12.7%	17.3%
CAREGIVING			
% of grandparents raising grandchildren		3.0%	2.4%
% of grandparents who live with grandchildren		4.5%	4.7%
ACCESS TO CARE			
% 60+ with a regular doctor		91.2%	92.0%
% 60+ who did not see a doctor when needed due to cost		9.0%	8.6%
# of primary care providers in county		28	3,571
# of rural health care centers in county		2	191
# of hospitals in county		1	101
# of home health agencies in county		1	45
# of nursing homes in county		1	204
# of community health centers in county		0	20
# of adult day health centers in county		0	8
# of hospice agencies in county		1	94

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COMMUNITY			
Particulate matter PM2.5		N/A	9.1
Ozone		N/A	0.361
Air pollution: annual # of unhealthy days for 65+		N/A	N/A
Age-friendly efforts in county		Not yet	Not yet
# of senior centers in county		2	115
% households that have smartphone (all ages)		17.0%	15.3%
% households without computer (all ages)		15.0%	13.5%
% households with access to Broadband (all ages)		71.0%	75.8%
% households without access to Internet (all ages)		28.4%	23.9%
Voter participation rate in 2020 presidential election (age 18+)		69.6%	61.2%
SAFETY & CRIME			
Homicide rate/100,000 persons		9.8	14.1
# firearm fatalities (all ages)		24	3,428
# 60+ deaths by suicide		0	562
TRANSPORTATION			
% 65+ who own a motor vehicle		93.4%	91.5%
% 60+ who always drive or ride wearing a seatbelt		88.9%	89.6%
# of fatal crashes involving adult age 60+		9	780
HOUSING			
% 65+ population who live alone		34.6%	28.1%
Average household size (all ages)		2.5	2.6
Median house value	*	$78,300	$125,500
% 60+ who own home	*	91.0%	82.7%
% 60+ homeowners who have mortgage	*	21.5%	32.1%
% 65+ households(renter) who spend >35% of income on housing		20.3%	33.5%
% 65+ households(owner) who spend >35% of income on housing		16.2%	15.2%
ECONOMIC			
% 60+ receiving food benefits in last year	*	25.1%	11.4%
% 65+ employed in last year		17.5%	15.6%
% 65+ with income below the poverty line in last year		16.3%	12.8%
65+ median household income	*	$27,022	$36,653
% 65+ households with annual income < $20,000		39.1%	27.4%
% 65+ households with annual income $20,000-$49,999		31.2%	35.5%
% 65+ households with annual income $50,000-$99,999	*	16.3%	24.6%
% 65+ households with annual income $100,000+		13.4%	12.5%

HEALTHY AGING INDICATORS	RATIO OF COUNTY TO STATE	$ COUNTY ESTIMATE	$ STATE ESTIMATE
Elder Index: COST OF LIVING			
Single, homeowner without mortgage, good health	1.03	$21,324	$20,760
Single, renter, good health	0.99	$23,640	$23,892
Couple, homeowner without mortgage, good health	1.04	$34,644	$33,264
Couple, renter, good health	1.02	$36,960	$36,396

TECHNICAL NOTES

**See our technical report for more information on data sources, measures, and methodology. For most indicators the county and state values are estimates derived from sample data. Thus, it is possible that some of the differences between state and county estimates may be due to chance associated with population sampling. We use the terms "Better" and "Worse" to highlight differences between county and state estimates that we are confident are not due to chance. "Better" is used where a higher/lower value has positive implications for the health of older residents. "Worse" is used where a higher/lower score has negative implications for the health of older people, and when the implication is unclear, we use an *. We balance two goals. First, we aim to report data at very local levels because we believe change is often locally driven. Second, we vowed to protect the privacy of the people providing the information reported. Thus, given the constraints of the data analyzed we used a hierarchical approach to reporting.*

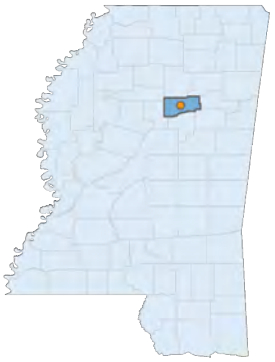
Data Sources:

- *Population Characteristics: The U.S. Census Bureau (American Community Survey 2016-2020) & Robert Wood Johnson Foundation (2020).*
- *COVID-19: Mississippi State Department of Health (MSDH; 2022).*
- *Wellness, Falls, Prevention: The Behavioral Risk Factor Surveillance System (BRFSS; 2013-2020), & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Chronic Disease: The Centers for Medicare and Medicaid Services (CMS) Select Chronic Conditions Database (2018).*
- *Nutrition/Diet, Oral Health: BRFSS (2013-2020) & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Behavioral Health, Mental Health: BRFSS (2013-2020), CMS (2018), & MSDH (2022).*
- *Living with Disability: ACS (2016-2020).*
- *Caregiving: ACS (2016-2020).*
- *Access to Care: BRFSS (2013-2020), CMS (2018), National Adult Day Service Association (June 2022), Community Health Center (Association of Mississippi; June 2022).*
- *Community: Environmental Protection Agency (EPA, 2020), BRFSS (2013-2020), ACS (2016-2020), AARP, & State of Mississippi (May 2022).*
- *Safety & Crime: CDC WONDER (2016-2020).*
- *Transportation: BRFSS (2013-2020), ACS (2016-2020), & Fatality Analysis Reporting System (FARS; 2016-2020).*
- *Housing & Economic: ACS (2016-2020).*
- *Elder Index: Center for Social and Demographic Research on Aging at the University of Massachusetts Boston (2022).*

Acknowledgments: Many people contributed to the MS Healthy Aging Data Report research. The University of Massachusetts Boston Gerontology Institute 2022 research team: Beth Dugan PhD, Nina Silverstein PhD, Chae Man Lee PhD, Taylor Jansen MS, Shu Xu MS, & Yanjhu Su MS. Dr. Kina White from the Mississippi State Department of Health provided important guidance and leadership.

Questions? Beth.Dugan@umb.edu

Webster



POPULATION CHARACTERISTICS	County rate is significantly different than State rate	COUNTY ESTIMATE	STATE ESTIMATE
Total population all ages		9,727	2,981,835
Population 60 years or older as % of total population		26.4%	22.3%
Total population 60 years or older		2,572	663,581
Population 65 years or older as % of total population		18.0%	15.9%
Total population 65 years or older		1,752	474,270
% 65-74 years		57.6%	59.7%
% 75-84 years		35.2%	29.4%
% 85 years or older		7.2%	10.1%
% 65+ population who are female		56.6%	56.5%
% 85+ population who are female		55.6%	67.4%
Race and ethnicity of the population 65+			
% White	*	84.1%	70.9%
% African American	*	15.6%	26.9%
% Other race(s)		0.3%	2.2%
% Hispanic/Latino		2.1%	1.0%
Marital status of the population 65+			
% married	*	44.3%	53.1%
% divorced/separated		10.6%	14.5%
% widowed		31.2%	27.1%
% never married		14.0%	5.3%
Education of the population 65+			
% with less than high school education		19.5%	20.1%
% with high school or some college		57.3%	58.7%
% with college degree		14.4%	11.8%
% with graduate or professional degree		8.7%	9.4%
% of 65+ population who speak only English at home		99.7%	97.8%
% of 65+ population who are veterans of military service	*	9.5%	15.8%
Life expectancy at birth		73.8	74.6

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COVID-19			
Total COVID-19 cases since March 2020		3,387	797,161
COVID-19 mortality rate per 100,000 people		719.6	417.1
% of county received at least one vaccine dose		53.0%	53.7%
% of county fully vaccinated		49.0%	48.9%
WELLNESS			
% 60+ getting the recommended hours of sleep		60.7%	59.9%
% 60+ doing any physical activity within last month		64.3%	61.3%
% 60+ met CDC guidelines for muscle-strengthening activity	W	10.9%	19.0%
% 60+ met CDC guidelines for aerobic physical activity		37.5%	39.8%
% 60+ with fair or poor health status		34.9%	32.5%
% 60+ with 15+ physically unhealthy days in last month		22.8%	18.7%
FALLS			
% 60+ who fell within last year		28.8%	27.8%
% 60+ who were injured in a fall within last year		9.3%	10.6%
PREVENTION			
% 60+ with physical exam/check-up in last year	W	72.1%	89.0%
% 60+ had flu shot in last year		58.2%	57.6%
% 60+ had pneumonia vaccine		53.2%	58.9%
% 60+ had shingles vaccine		20.3%	24.4%
% 60+ women with a mammogram within last 2 years		61.1%	71.0%
% 60+ with colorectal cancer screening		54.6%	57.1%
% 60+ with HIV test	*	15.1%	20.8%
% 60+ met CDC preventive health screening goals		22.6%	26.2%
CHRONIC DISEASE			
% 65+ with Alzheimer’s disease or related dementias		13.5%	12.9%
% 65+ with arthritis		44.3%	39.8%
% 65+ with asthma		2.5%	3.7%
% 65+ with atrial fibrillation		7.9%	8.9%
% 65+ with cancer (breast, colorectal, lung, prostate)		9.7%	8.8%
% 65+ with chronic kidney disease		26.3%	25.3%
% 65+ with chronic obstructive pulmonary disease (COPD)		14.5%	12.6%
% 65+ with diabetes		30.1%	30.7%
% 65+ with high cholesterol		36.0%	48.9%
% 65+ with heart failure		16.1%	16.1%
% 65+ with hypertension		65.1%	67.9%
% 65+ with ischemic heart disease		29.6%	31.9%
% 65+ with osteoporosis		6.5%	6.4%
% 65+ with stroke		5.2%	4.4%

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
NUTRITION & DIET			
% 60+ with 5 or more servings of fruits or vegetables per day		10.1%	11.1%
% 60+ self-reported obese		37.8%	36.0%
% 60+ with cholesterol screening		95.3%	94.7%
ORAL HEALTH			
% 60+ with annual dental exam		50.9%	56.3%
# of dentists per 100,000 persons (all ages)		10.3	42.1
% 60+ with loss of 6 or more teeth		50.7%	45.8%
BEHAVIORAL HEALTH			
# of drug overdose deaths (all ages)		0	2,137
% 60+ current smokers		13.7%	13.1%
% 65+ with alcohol abuse disorder		1.2%	1.3%
% 65+ with drug abuse/substance abuse disorder		1.5%	2.6%
MENTAL HEALTH			
% 60+ with 15+ days poor mental health in last month		8.3%	9.8%
% 65+ with depression		13.3%	16.4%
% 65+ with schizophrenia & other psychotic disorder		2.0%	2.2%
LIVING WITH DISABILITY			
% 65+ with self-reported hearing difficulty	*	23.9%	15.5%
% 65+ with self-reported vision difficulty		10.6%	8.7%
% 65+ with self-reported cognition difficulty		14.6%	11.2%
% 65+ with self-reported ambulatory difficulty	*	41.0%	28.0%
% 65+ with self-reported self-care difficulty	*	22.0%	10.2%
% 65+ with self-reported independent living difficulty	*	27.3%	17.3%
CAREGIVING			
% of grandparents raising grandchildren	*	0.9%	2.4%
% of grandparents who live with grandchildren		3.6%	4.7%
ACCESS TO CARE			
% 60+ with a regular doctor		94.9%	92.0%
% 60+ who did not see a doctor when needed due to cost		7.3%	8.6%
# of primary care providers in county		3	3,571
# of rural health care centers in county		2	191
# of hospitals in county		1	101
# of home health agencies in county		1	45
# of nursing homes in county		2	204
# of community health centers in county		0	20
# of adult day health centers in county		0	8
# of hospice agencies in county		0	94

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COMMUNITY			
Particulate matter PM2.5		N/A	9.1
Ozone		N/A	0.361
Air pollution: annual # of unhealthy days for 65+		N/A	N/A
Age-friendly efforts in county		Not yet	Not yet
# of senior centers in county		1	115
% households that have smartphone (all ages)		18.8%	15.3%
% households without computer (all ages)		16.5%	13.5%
% households with access to Broadband (all ages)		73.8%	75.8%
% households without access to Internet (all ages)		26.2%	23.9%
Voter participation rate in 2020 presidential election (age 18+)		71.0%	61.2%
SAFETY & CRIME			
Homicide rate/100,000 persons		0.0	14.1
# firearm fatalities (all ages)		12	3,428
# 60+ deaths by suicide		0	562
TRANSPORTATION			
% 65+ who own a motor vehicle		92.6%	91.5%
% 60+ who always drive or ride wearing a seatbelt	W	80.8%	89.6%
# of fatal crashes involving adult age 60+		2	780
HOUSING			
% 65+ population who live alone		26.4%	28.1%
Average household size (all ages)		2.6	2.6
Median house value	*	$86,600	$125,500
% 60+ who own home	*	89.5%	82.7%
% 60+ homeowners who have mortgage		43.4%	32.1%
% 65+ households(renter) who spend >35% of income on housing		12.4%	33.5%
% 65+ households(owner) who spend >35% of income on housing	*	8.0%	15.2%
ECONOMIC			
% 60+ receiving food benefits in last year		14.6%	11.4%
% 65+ employed in last year		18.0%	15.6%
% 65+ with income below the poverty line in last year	*	7.4%	12.8%
65+ median household income		$42,847	$36,653
% 65+ households with annual income < $20,000		26.7%	27.4%
% 65+ households with annual income $20,000-$49,999		32.0%	35.5%
% 65+ households with annual income $50,000-$99,999		32.7%	24.6%
% 65+ households with annual income $100,000+		8.6%	12.5%

HEALTHY AGING INDICATORS	RATIO OF COUNTY TO STATE	$ COUNTY ESTIMATE	$ STATE ESTIMATE
Elder Index: COST OF LIVING			
Single, homeowner without mortgage, good health	1.04	$21,648	$20,760
Single, renter, good health	1.02	$24,336	$23,892
Couple, homeowner without mortgage, good health	1.05	$34,968	$33,264
Couple, renter, good health	1.03	$37,656	$36,396

TECHNICAL NOTES

**See our technical report for more information on data sources, measures, and methodology. For most indicators the county and state values are estimates derived from sample data. Thus, it is possible that some of the differences between state and county estimates may be due to chance associated with population sampling. We use the terms "Better" and "Worse" to highlight differences between county and state estimates that we are confident are not due to chance. "Better" is used where a higher/lower value has positive implications for the health of older residents. "Worse" is used where a higher/lower score has negative implications for the health of older people, and when the implication is unclear, we use an *. We balance two goals. First, we aim to report data at very local levels because we believe change is often locally driven. Second, we vowed to protect the privacy of the people providing the information reported. Thus, given the constraints of the data analyzed we used a hierarchical approach to reporting.*

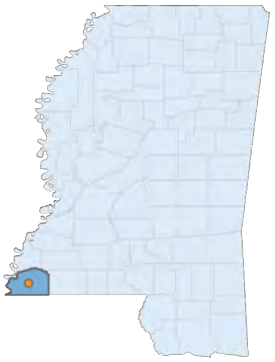
Data Sources:

- *Population Characteristics: The U.S. Census Bureau (American Community Survey 2016-2020) & Robert Wood Johnson Foundation (2020).*
- *COVID-19: Mississippi State Department of Health (MSDH; 2022).*
- *Wellness, Falls, Prevention: The Behavioral Risk Factor Surveillance System (BRFSS; 2013-2020), & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Chronic Disease: The Centers for Medicare and Medicaid Services (CMS) Select Chronic Conditions Database (2018).*
- *Nutrition/Diet, Oral Health: BRFSS (2013-2020) & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Behavioral Health, Mental Health: BRFSS (2013-2020), CMS (2018), & MSDH (2022).*
- *Living with Disability: ACS (2016-2020).*
- *Caregiving: ACS (2016-2020).*
- *Access to Care: BRFSS (2013-2020), CMS (2018), National Adult Day Service Association (June 2022), Community Health Center (Association of Mississippi; June 2022).*
- *Community: Environmental Protection Agency (EPA, 2020), BRFSS (2013-2020), ACS (2016-2020), AARP, & State of Mississippi (May 2022).*
- *Safety & Crime: CDC WONDER (2016-2020).*
- *Transportation: BRFSS (2013-2020), ACS (2016-2020), & Fatality Analysis Reporting System (FARS; 2016-2020).*
- *Housing & Economic: ACS (2016-2020).*
- *Elder Index: Center for Social and Demographic Research on Aging at the University of Massachusetts Boston (2022).*

Acknowledgments: Many people contributed to the MS Healthy Aging Data Report research. The University of Massachusetts Boston Gerontology Institute 2022 research team: Beth Dugan PhD, Nina Silverstein PhD, Chae Man Lee PhD, Taylor Jansen MS, Shu Xu MS, & Yanjhu Su MS. Dr. Kina White from the Mississippi State Department of Health provided important guidance and leadership.

Questions? Beth.Dugan@umb.edu

Wilkinson



POPULATION CHARACTERISTICS	County rate is significantly different than State rate	COUNTY ESTIMATE	STATE ESTIMATE
Total population all ages		8,727	2,981,835
Population 60 years or older as % of total population		22.7%	22.3%
Total population 60 years or older		1,978	663,581
Population 65 years or older as % of total population		17.3%	15.9%
Total population 65 years or older		1,511	474,270
% 65-74 years		62.4%	59.7%
% 75-84 years		25.1%	29.4%
% 85 years or older		12.4%	10.1%
% 65+ population who are female		56.9%	56.5%
% 85+ population who are female		77.7%	67.4%
Race and ethnicity of the population 65+			
% White	*	44.1%	70.9%
% African American	*	55.2%	26.9%
% Other race(s)		0.7%	2.2%
% Hispanic/Latino		0.3%	1.0%
Marital status of the population 65+			
% married	*	34.1%	53.1%
% divorced/separated		19.3%	14.5%
% widowed	*	37.7%	27.1%
% never married		8.9%	5.3%
Education of the population 65+			
% with less than high school education	*	27.5%	20.1%
% with high school or some college		56.1%	58.7%
% with college degree		12.6%	11.8%
% with graduate or professional degree	*	3.8%	9.4%
% of 65+ population who speak only English at home		100.0%	97.8%
% of 65+ population who are veterans of military service	*	8.1%	15.8%
Life expectancy at birth		70.8	74.6

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COVID-19			
Total COVID-19 cases since March 2020		1,797	797,161
COVID-19 mortality rate per 100,000 people		527.1	417.1
% of county received at least one vaccine dose		64.0%	53.7%
% of county fully vaccinated		59.0%	48.9%
WELLNESS			
% 60+ getting the recommended hours of sleep		50.7%	59.9%
% 60+ doing any physical activity within last month		55.5%	61.3%
% 60+ met CDC guidelines for muscle-strengthening activity		13.8%	19.0%
% 60+ met CDC guidelines for aerobic physical activity		42.1%	39.8%
% 60+ with fair or poor health status		40.9%	32.5%
% 60+ with 15+ physically unhealthy days in last month		26.9%	18.7%
FALLS			
% 60+ who fell within last year		30.9%	27.8%
% 60+ who were injured in a fall within last year		12.0%	10.6%
PREVENTION			
% 60+ with physical exam/check-up in last year		89.2%	89.0%
% 60+ had flu shot in last year		47.3%	57.6%
% 60+ had pneumonia vaccine		61.3%	58.9%
% 60+ had shingles vaccine		20.4%	24.4%
% 60+ women with a mammogram within last 2 years		78.3%	71.0%
% 60+ with colorectal cancer screening		50.9%	57.1%
% 60+ with HIV test		20.1%	20.8%
% 60+ met CDC preventive health screening goals		17.5%	26.2%
CHRONIC DISEASE			
% 65+ with Alzheimer’s disease or related dementias		13.3%	12.9%
% 65+ with arthritis		41.1%	39.8%
% 65+ with asthma		3.0%	3.7%
% 65+ with atrial fibrillation		N/A	8.9%
% 65+ with cancer (breast, colorectal, lung, prostate)		10.8%	8.8%
% 65+ with chronic kidney disease		26.0%	25.3%
% 65+ with chronic obstructive pulmonary disease (COPD)		11.9%	12.6%
% 65+ with diabetes		39.9%	30.7%
% 65+ with high cholesterol		50.5%	48.9%
% 65+ with heart failure		19.7%	16.1%
% 65+ with hypertension		67.9%	67.9%
% 65+ with ischemic heart disease		32.4%	31.9%
% 65+ with osteoporosis		N/A	6.4%
% 65+ with stroke		5.6%	4.4%

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
NUTRITION & DIET			
% 60+ with 5 or more servings of fruits or vegetables per day		9.7%	11.1%
% 60+ self-reported obese		33.0%	36.0%
% 60+ with cholesterol screening		93.0%	94.7%
ORAL HEALTH			
% 60+ with annual dental exam		56.0%	56.3%
# of dentists per 100,000 persons (all ages)		12.0	42.1
% 60+ with loss of 6 or more teeth		54.2%	45.8%
BEHAVIORAL HEALTH			
# of drug overdose deaths (all ages)		0	2,137
% 60+ current smokers		14.2%	13.1%
% 65+ with alcohol abuse disorder		1.7%	1.3%
% 65+ with drug abuse/substance abuse disorder		3.5%	2.6%
MENTAL HEALTH			
% 60+ with 15+ days poor mental health in last month		12.0%	9.8%
% 65+ with depression		10.3%	16.4%
% 65+ with schizophrenia & other psychotic disorder		2.3%	2.2%
LIVING WITH DISABILITY			
% 65+ with self-reported hearing difficulty		18.7%	15.5%
% 65+ with self-reported vision difficulty		6.8%	8.7%
% 65+ with self-reported cognition difficulty		13.4%	11.2%
% 65+ with self-reported ambulatory difficulty	*	42.8%	28.0%
% 65+ with self-reported self-care difficulty	*	21.0%	10.2%
% 65+ with self-reported independent living difficulty	*	33.0%	17.3%
CAREGIVING			
% of grandparents raising grandchildren		2.9%	2.4%
% of grandparents who live with grandchildren		5.9%	4.7%
ACCESS TO CARE			
% 60+ with a regular doctor		92.5%	92.0%
% 60+ who did not see a doctor when needed due to cost		9.8%	8.6%
# of primary care providers in county		3	3,571
# of rural health care centers in county		2	191
# of hospitals in county		1	101
# of home health agencies in county		0	45
# of nursing homes in county		1	204
# of community health centers in county		0	20
# of adult day health centers in county		0	8
# of hospice agencies in county		0	94

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COMMUNITY			
Particulate matter PM2.5		N/A	9.1
Ozone		N/A	0.361
Air pollution: annual # of unhealthy days for 65+		N/A	N/A
Age-friendly efforts in county		Not yet	Not yet
# of senior centers in county		0	115
% households that have smartphone (all ages)		20.3%	15.3%
% households without computer (all ages)	*	22.5%	13.5%
% households with access to Broadband (all ages)	*	61.7%	75.8%
% households without access to Internet (all ages)	*	38.3%	23.9%
Voter participation rate in 2020 presidential election (age 18+)		57.8%	61.2%
SAFETY & CRIME			
Homicide rate/100,000 persons		43.6	14.1
# firearm fatalities (all ages)		20	3,428
# 60+ deaths by suicide		0	562
TRANSPORTATION			
% 65+ who own a motor vehicle		85.7%	91.5%
% 60+ who always drive or ride wearing a seatbelt		88.3%	89.6%
# of fatal crashes involving adult age 60+		4	780
HOUSING			
% 65+ population who live alone		26.1%	28.1%
Average household size (all ages)	*	2.3	2.6
Median house value	*	$70,500	$125,500
% 60+ who own home		85.7%	82.7%
% 60+ homeowners who have mortgage	*	4.8%	32.1%
% 65+ households(renter) who spend >35% of income on housing	*	8.2%	33.5%
% 65+ households(owner) who spend >35% of income on housing		14.6%	15.2%
ECONOMIC			
% 60+ receiving food benefits in last year		16.9%	11.4%
% 65+ employed in last year	*	8.7%	15.6%
% 65+ with income below the poverty line in last year	*	20.6%	12.8%
65+ median household income	*	$22,263	$36,653
% 65+ households with annual income < $20,000		38.1%	27.4%
% 65+ households with annual income $20,000-$49,999		43.9%	35.5%
% 65+ households with annual income $50,000-$99,999	*	11.6%	24.6%
% 65+ households with annual income $100,000+	*	6.5%	12.5%

HEALTHY AGING INDICATORS	RATIO OF COUNTY TO STATE	$ COUNTY ESTIMATE	$ STATE ESTIMATE
Elder Index: COST OF LIVING			
Single, homeowner without mortgage, good health	1.04	$21,528	$20,760
Single, renter, good health	0.99	$23,676	$23,892
Couple, homeowner without mortgage, good health	1.05	$34,848	$33,264
Couple, renter, good health	1.02	$36,996	$36,396

TECHNICAL NOTES

**See our technical report for more information on data sources, measures, and methodology. For most indicators the county and state values are estimates derived from sample data. Thus, it is possible that some of the differences between state and county estimates may be due to chance associated with population sampling. We use the terms "Better" and "Worse" to highlight differences between county and state estimates that we are confident are not due to chance. "Better" is used where a higher/lower value has positive implications for the health of older residents. "Worse" is used where a higher/lower score has negative implications for the health of older people, and when the implication is unclear, we use an *. We balance two goals. First, we aim to report data at very local levels because we believe change is often locally driven. Second, we vowed to protect the privacy of the people providing the information reported. Thus, given the constraints of the data analyzed we used a hierarchical approach to reporting.*

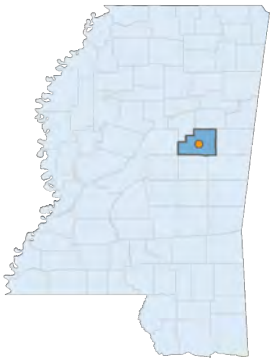
Data Sources:

- *Population Characteristics: The U.S. Census Bureau (American Community Survey 2016-2020) & Robert Wood Johnson Foundation (2020).*
- *COVID-19: Mississippi State Department of Health (MSDH; 2022).*
- *Wellness, Falls, Prevention: The Behavioral Risk Factor Surveillance System (BRFSS; 2013-2020), & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Chronic Disease: The Centers for Medicare and Medicaid Services (CMS) Select Chronic Conditions Database (2018).*
- *Nutrition/Diet, Oral Health: BRFSS (2013-2020) & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Behavioral Health, Mental Health: BRFSS (2013-2020), CMS (2018), & MSDH (2022).*
- *Living with Disability: ACS (2016-2020).*
- *Caregiving: ACS (2016-2020).*
- *Access to Care: BRFSS (2013-2020), CMS (2018), National Adult Day Service Association (June 2022), Community Health Center (Association of Mississippi; June 2022).*
- *Community: Environmental Protection Agency (EPA, 2020), BRFSS (2013-2020), ACS (2016-2020), AARP, & State of Mississippi (May 2022).*
- *Safety & Crime: CDC WONDER (2016-2020).*
- *Transportation: BRFSS (2013-2020), ACS (2016-2020), & Fatality Analysis Reporting System (FARS; 2016-2020).*
- *Housing & Economic: ACS (2016-2020).*
- *Elder Index: Center for Social and Demographic Research on Aging at the University of Massachusetts Boston (2022).*

Acknowledgments: Many people contributed to the MS Healthy Aging Data Report research. The University of Massachusetts Boston Gerontology Institute 2022 research team: Beth Dugan PhD, Nina Silverstein PhD, Chae Man Lee PhD, Taylor Jansen MS, Shu Xu MS, & Yanjhu Su MS. Dr. Kina White from the Mississippi State Department of Health provided important guidance and leadership.

Questions? Beth.Dugan@umb.edu

Winston



POPULATION CHARACTERISTICS	County rate is significantly different than State rate	COUNTY ESTIMATE	STATE ESTIMATE
Total population all ages		18,116	2,981,835
Population 60 years or older as % of total population		28.0%	22.3%
Total population 60 years or older		5,075	663,581
Population 65 years or older as % of total population		20.4%	15.9%
Total population 65 years or older		3,689	474,270
% 65-74 years		57.0%	59.7%
% 75-84 years		30.7%	29.4%
% 85 years or older		12.3%	10.1%
% 65+ population who are female		56.8%	56.5%
% 85+ population who are female		46.6%	67.4%
Race and ethnicity of the population 65+			
% White		65.4%	70.9%
% African American	*	33.5%	26.9%
% Other race(s)		1.1%	2.2%
% Hispanic/Latino		1.6%	1.0%
Marital status of the population 65+			
% married		47.9%	53.1%
% divorced/separated		11.1%	14.5%
% widowed	*	34.7%	27.1%
% never married		6.3%	5.3%
Education of the population 65+			
% with less than high school education		21.9%	20.1%
% with high school or some college		55.9%	58.7%
% with college degree		15.5%	11.8%
% with graduate or professional degree		6.7%	9.4%
% of 65+ population who speak only English at home		98.9%	97.8%
% of 65+ population who are veterans of military service		16.0%	15.8%
Life expectancy at birth		74.3	74.6

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COVID-19			
Total COVID-19 cases since March 2020		5,224	797,161
COVID-19 mortality rate per 100,000 people		574.1	417.1
% of county received at least one vaccine dose		52.0%	53.7%
% of county fully vaccinated		48.0%	48.9%
WELLNESS			
% 60+ getting the recommended hours of sleep		60.9%	59.9%
% 60+ doing any physical activity within last month		62.0%	61.3%
% 60+ met CDC guidelines for muscle-strengthening activity		16.6%	19.0%
% 60+ met CDC guidelines for aerobic physical activity		38.5%	39.8%
% 60+ with fair or poor health status		34.5%	32.5%
% 60+ with 15+ physically unhealthy days in last month		18.4%	18.7%
FALLS			
% 60+ who fell within last year		31.8%	27.8%
% 60+ who were injured in a fall within last year		9.3%	10.6%
PREVENTION			
% 60+ with physical exam/check-up in last year		92.0%	89.0%
% 60+ had flu shot in last year		56.8%	57.6%
% 60+ had pneumonia vaccine		58.9%	58.9%
% 60+ had shingles vaccine		28.3%	24.4%
% 60+ women with a mammogram within last 2 years		64.6%	71.0%
% 60+ with colorectal cancer screening		51.2%	57.1%
% 60+ with HIV test		19.1%	20.8%
% 60+ met CDC preventive health screening goals		23.0%	26.2%
CHRONIC DISEASE			
% 65+ with Alzheimer’s disease or related dementias		14.1%	12.9%
% 65+ with arthritis		38.0%	39.8%
% 65+ with asthma		4.3%	3.7%
% 65+ with atrial fibrillation		N/A	8.9%
% 65+ with cancer (breast, colorectal, lung, prostate)		7.7%	8.8%
% 65+ with chronic kidney disease		24.3%	25.3%
% 65+ with chronic obstructive pulmonary disease (COPD)		9.8%	12.6%
% 65+ with diabetes		32.6%	30.7%
% 65+ with high cholesterol		44.9%	48.9%
% 65+ with heart failure		14.6%	16.1%
% 65+ with hypertension		69.7%	67.9%
% 65+ with ischemic heart disease		26.9%	31.9%
% 65+ with osteoporosis		N/A	6.4%
% 65+ with stroke		5.8%	4.4%

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
NUTRITION & DIET			
% 60+ with 5 or more servings of fruits or vegetables per day		10.1%	11.1%
% 60+ self-reported obese		36.3%	36.0%
% 60+ with cholesterol screening		96.3%	94.7%
ORAL HEALTH			
% 60+ with annual dental exam		49.5%	56.3%
# of dentists per 100,000 persons (all ages)		16.8	42.1
% 60+ with loss of 6 or more teeth		44.8%	45.8%
BEHAVIORAL HEALTH			
# of drug overdose deaths (all ages)		0	2,137
% 60+ current smokers		12.6%	13.1%
% 65+ with alcohol abuse disorder		1.1%	1.3%
% 65+ with drug abuse/substance abuse disorder		2.8%	2.6%
MENTAL HEALTH			
% 60+ with 15+ days poor mental health in last month		8.3%	9.8%
% 65+ with depression		12.6%	16.4%
% 65+ with schizophrenia & other psychotic disorder		2.1%	2.2%
LIVING WITH DISABILITY			
% 65+ with self-reported hearing difficulty	*	23.6%	15.5%
% 65+ with self-reported vision difficulty		14.8%	8.7%
% 65+ with self-reported cognition difficulty	*	17.9%	11.2%
% 65+ with self-reported ambulatory difficulty		32.2%	28.0%
% 65+ with self-reported self-care difficulty		11.2%	10.2%
% 65+ with self-reported independent living difficulty		23.9%	17.3%
CAREGIVING			
% of grandparents raising grandchildren		2.2%	2.4%
% of grandparents who live with grandchildren	*	2.7%	4.7%
ACCESS TO CARE			
% 60+ with a regular doctor		92.8%	92.0%
% 60+ who did not see a doctor when needed due to cost		7.3%	8.6%
# of primary care providers in county		1	3,571
# of rural health care centers in county		1	191
# of hospitals in county		1	101
# of home health agencies in county		0	45
# of nursing homes in county		2	204
# of community health centers in county		0	20
# of adult day health centers in county		0	8
# of hospice agencies in county		0	94

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COMMUNITY			
Particulate matter PM2.5		N/A	9.1
Ozone		N/A	0.361
Air pollution: annual # of unhealthy days for 65+		N/A	N/A
Age-friendly efforts in county		Not yet	Not yet
# of senior centers in county		0	115
% households that have smartphone (all ages)	*	21.8%	15.3%
% households without computer (all ages)	*	20.5%	13.5%
% households with access to Broadband (all ages)	*	66.3%	75.8%
% households without access to Internet (all ages)	*	33.6%	23.9%
Voter participation rate in 2020 presidential election (age 18+)		72.1%	61.2%
SAFETY & CRIME			
Homicide rate/100,000 persons		14.4	14.1
# firearm fatalities (all ages)		16	3,428
# 60+ deaths by suicide		0	562
TRANSPORTATION			
% 65+ who own a motor vehicle		91.9%	91.5%
% 60+ who always drive or ride wearing a seatbelt		87.2%	89.6%
# of fatal crashes involving adult age 60+		9	780
HOUSING			
% 65+ population who live alone		28.9%	28.1%
Average household size (all ages)		2.5	2.6
Median house value	*	$96,700	$125,500
% 60+ who own home		83.7%	82.7%
% 60+ homeowners who have mortgage		25.2%	32.1%
% 65+ households(renter) who spend >35% of income on housing		29.3%	33.5%
% 65+ households(owner) who spend >35% of income on housing		14.3%	15.2%
ECONOMIC			
% 60+ receiving food benefits in last year		15.0%	11.4%
% 65+ employed in last year		16.9%	15.6%
% 65+ with income below the poverty line in last year		15.8%	12.8%
65+ median household income		$31,703	$36,653
% 65+ households with annual income < $20,000		27.9%	27.4%
% 65+ households with annual income $20,000-$49,999		44.0%	35.5%
% 65+ households with annual income $50,000-$99,999		19.9%	24.6%
% 65+ households with annual income $100,000+		8.2%	12.5%

HEALTHY AGING INDICATORS	RATIO OF COUNTY TO STATE	$ COUNTY ESTIMATE	$ STATE ESTIMATE
Elder Index: COST OF LIVING			
Single, homeowner without mortgage, good health	1.04	$21,648	$20,760
Single, renter, good health	0.98	$23,496	$23,892
Couple, homeowner without mortgage, good health	1.05	$34,968	$33,264
Couple, renter, good health	1.01	$36,816	$36,396

TECHNICAL NOTES

**See our technical report for more information on data sources, measures, and methodology. For most indicators the county and state values are estimates derived from sample data. Thus, it is possible that some of the differences between state and county estimates may be due to chance associated with population sampling. We use the terms "Better" and "Worse" to highlight differences between county and state estimates that we are confident are not due to chance. "Better" is used where a higher/lower value has positive implications for the health of older residents. "Worse" is used where a higher/lower score has negative implications for the health of older people, and when the implication is unclear, we use an *. We balance two goals. First, we aim to report data at very local levels because we believe change is often locally driven. Second, we vowed to protect the privacy of the people providing the information reported. Thus, given the constraints of the data analyzed we used a hierarchical approach to reporting.*

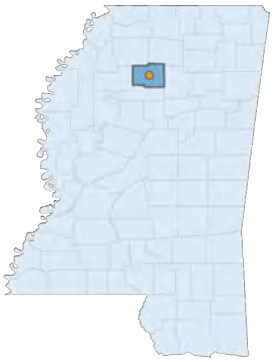
Data Sources:

- *Population Characteristics: The U.S. Census Bureau (American Community Survey 2016-2020) & Robert Wood Johnson Foundation (2020).*
- *COVID-19: Mississippi State Department of Health (MSDH; 2022).*
- *Wellness, Falls, Prevention: The Behavioral Risk Factor Surveillance System (BRFSS; 2013-2020), & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Chronic Disease: The Centers for Medicare and Medicaid Services (CMS) Select Chronic Conditions Database (2018).*
- *Nutrition/Diet, Oral Health: BRFSS (2013-2020) & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Behavioral Health, Mental Health: BRFSS (2013-2020), CMS (2018), & MSDH (2022).*
- *Living with Disability: ACS (2016-2020).*
- *Caregiving: ACS (2016-2020).*
- *Access to Care: BRFSS (2013-2020), CMS (2018), National Adult Day Service Association (June 2022), Community Health Center (Association of Mississippi; June 2022).*
- *Community: Environmental Protection Agency (EPA, 2020), BRFSS (2013-2020), ACS (2016-2020), AARP, & State of Mississippi (May 2022).*
- *Safety & Crime: CDC WONDER (2016-2020).*
- *Transportation: BRFSS (2013-2020), ACS (2016-2020), & Fatality Analysis Reporting System (FARS; 2016-2020).*
- *Housing & Economic: ACS (2016-2020).*
- *Elder Index: Center for Social and Demographic Research on Aging at the University of Massachusetts Boston (2022).*

Acknowledgments: Many people contributed to the MS Healthy Aging Data Report research. The University of Massachusetts Boston Gerontology Institute 2022 research team: Beth Dugan PhD, Nina Silverstein PhD, Chae Man Lee PhD, Taylor Jansen MS, Shu Xu MS, & Yanjhu Su MS. Dr. Kina White from the Mississippi State Department of Health provided important guidance and leadership.

Questions? Beth.Dugan@umb.edu

Yalobusha



POPULATION CHARACTERISTICS	County rate is significantly different than State rate	COUNTY ESTIMATE	STATE ESTIMATE
Total population all ages		12,276	2,981,835
Population 60 years or older as % of total population		27.8%	22.3%
Total population 60 years or older		3,417	663,581
Population 65 years or older as % of total population		20.3%	15.9%
Total population 65 years or older		2,497	474,270
% 65-74 years		60.6%	59.7%
% 75-84 years		32.2%	29.4%
% 85 years or older	*	7.2%	10.1%
% 65+ population who are female		55.0%	56.5%
% 85+ population who are female		72.1%	67.4%
Race and ethnicity of the population 65+			
% White		71.6%	70.9%
% African American		27.3%	26.9%
% Other race(s)		1.1%	2.2%
% Hispanic/Latino		0.1%	1.0%
Marital status of the population 65+			
% married	*	44.6%	53.1%
% divorced/separated		17.7%	14.5%
% widowed		30.8%	27.1%
% never married		6.9%	5.3%
Education of the population 65+			
% with less than high school education		24.1%	20.1%
% with high school or some college		65.3%	58.7%
% with college degree		8.2%	11.8%
% with graduate or professional degree	*	2.4%	9.4%
% of 65+ population who speak only English at home		99.8%	97.8%
% of 65+ population who are veterans of military service		18.5%	15.8%
Life expectancy at birth		73.2	74.6

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COVID-19			
Total COVID-19 cases since March 2020		4,090	797,161
COVID-19 mortality rate per 100,000 people		464.3	417.1
% of county received at least one vaccine dose		72.0%	53.7%
% of county fully vaccinated		66.0%	48.9%
WELLNESS			
% 60+ getting the recommended hours of sleep		50.5%	59.9%
% 60+ doing any physical activity within last month		61.3%	61.3%
% 60+ met CDC guidelines for muscle-strengthening activity		18.4%	19.0%
% 60+ met CDC guidelines for aerobic physical activity		34.0%	39.8%
% 60+ with fair or poor health status		38.3%	32.5%
% 60+ with 15+ physically unhealthy days in last month		14.5%	18.7%
FALLS			
% 60+ who fell within last year		34.1%	27.8%
% 60+ who were injured in a fall within last year		11.9%	10.6%
PREVENTION			
% 60+ with physical exam/check-up in last year		91.5%	89.0%
% 60+ had flu shot in last year		60.9%	57.6%
% 60+ had pneumonia vaccine	W	48.4%	58.9%
% 60+ had shingles vaccine	W	12.8%	24.4%
% 60+ women with a mammogram within last 2 years		67.3%	71.0%
% 60+ with colorectal cancer screening		52.7%	57.1%
% 60+ with HIV test		16.7%	20.8%
% 60+ met CDC preventive health screening goals		19.9%	26.2%
CHRONIC DISEASE			
% 65+ with Alzheimer’s disease or related dementias		12.1%	12.9%
% 65+ with arthritis		40.8%	39.8%
% 65+ with asthma		2.4%	3.7%
% 65+ with atrial fibrillation		9.8%	8.9%
% 65+ with cancer (breast, colorectal, lung, prostate)		7.2%	8.8%
% 65+ with chronic kidney disease		27.1%	25.3%
% 65+ with chronic obstructive pulmonary disease (COPD)		14.5%	12.6%
% 65+ with diabetes		31.9%	30.7%
% 65+ with high cholesterol		47.7%	48.9%
% 65+ with heart failure		20.2%	16.1%
% 65+ with hypertension		70.2%	67.9%
% 65+ with ischemic heart disease		36.3%	31.9%
% 65+ with osteoporosis		6.1%	6.4%
% 65+ with stroke		3.6%	4.4%

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
NUTRITION & DIET			
% 60+ with 5 or more servings of fruits or vegetables per day		9.9%	11.1%
% 60+ self-reported obese		34.8%	36.0%
% 60+ with cholesterol screening		94.8%	94.7%
ORAL HEALTH			
% 60+ with annual dental exam		47.6%	56.3%
# of dentists per 100,000 persons (all ages)		16.7	42.1
% 60+ with loss of 6 or more teeth		50.9%	45.8%
BEHAVIORAL HEALTH			
# of drug overdose deaths (all ages)		0	2,137
% 60+ current smokers		11.9%	13.1%
% 65+ with alcohol abuse disorder		1.4%	1.3%
% 65+ with drug abuse/substance abuse disorder		2.4%	2.6%
MENTAL HEALTH			
% 60+ with 15+ days poor mental health in last month		9.2%	9.8%
% 65+ with depression		16.2%	16.4%
% 65+ with schizophrenia & other psychotic disorder		2.1%	2.2%
LIVING WITH DISABILITY			
% 65+ with self-reported hearing difficulty	*	5.4%	15.5%
% 65+ with self-reported vision difficulty	*	3.7%	8.7%
% 65+ with self-reported cognition difficulty		7.6%	11.2%
% 65+ with self-reported ambulatory difficulty		27.8%	28.0%
% 65+ with self-reported self-care difficulty	*	5.8%	10.2%
% 65+ with self-reported independent living difficulty		12.9%	17.3%
CAREGIVING			
% of grandparents raising grandchildren	*	1.2%	2.4%
% of grandparents who live with grandchildren	*	4.6%	4.7%
ACCESS TO CARE			
% 60+ with a regular doctor		92.8%	92.0%
% 60+ who did not see a doctor when needed due to cost		8.6%	8.6%
# of primary care providers in county		1	3,571
# of rural health care centers in county		4	191
# of hospitals in county		1	101
# of home health agencies in county		0	45
# of nursing homes in county		1	204
# of community health centers in county		0	20
# of adult day health centers in county		0	8
# of hospice agencies in county		0	94

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COMMUNITY			
Particulate matter PM2.5		N/A	9.1
Ozone		0.034	0.361
Air pollution: annual # of unhealthy days for 65+		0	N/A
Age-friendly efforts in county		Not yet	Not yet
# of senior centers in county		0	115
% households that have smartphone (all ages)	*	23.0%	15.3%
% households without computer (all ages)	*	23.7%	13.5%
% households with access to Broadband (all ages)	*	60.5%	75.8%
% households without access to Internet (all ages)	*	39.3%	23.9%
Voter participation rate in 2020 presidential election (age 18+)		60.0%	61.2%
SAFETY & CRIME			
Homicide rate/100,000 persons		0.0	14.1
# firearm fatalities (all ages)		13	3,428
# 60+ deaths by suicide		0	562
TRANSPORTATION			
% 65+ who own a motor vehicle		87.4%	91.5%
% 60+ who always drive or ride wearing a seatbelt	W	78.9%	89.6%
# of fatal crashes involving adult age 60+		6	780
HOUSING			
% 65+ population who live alone	*	36.5%	28.1%
Average household size (all ages)	*	2.4	2.6
Median house value	*	$85,500	$125,500
% 60+ who own home	*	86.2%	82.7%
% 60+ homeowners who have mortgage		28.1%	32.1%
% 65+ households(renter) who spend >35% of income on housing		25.2%	33.5%
% 65+ households(owner) who spend >35% of income on housing		13.5%	15.2%
ECONOMIC			
% 60+ receiving food benefits in last year		9.8%	11.4%
% 65+ employed in last year		17.9%	15.6%
% 65+ with income below the poverty line in last year		11.0%	12.8%
65+ median household income		$39,035	$36,653
% 65+ households with annual income < $20,000		31.7%	27.4%
% 65+ households with annual income $20,000-$49,999		36.5%	35.5%
% 65+ households with annual income $50,000-$99,999		20.3%	24.6%
% 65+ households with annual income $100,000+		11.4%	12.5%

HEALTHY AGING INDICATORS	RATIO OF COUNTY TO STATE	$ COUNTY ESTIMATE	$ STATE ESTIMATE
Elder Index: COST OF LIVING			
Single, homeowner without mortgage, good health	1.02	$21,252	$20,760
Single, renter, good health	0.99	$23,736	$23,892
Couple, homeowner without mortgage, good health	1.04	$34,572	$33,264
Couple, renter, good health	1.02	$37,056	$36,396

TECHNICAL NOTES

**See our technical report for more information on data sources, measures, and methodology. For most indicators the county and state values are estimates derived from sample data. Thus, it is possible that some of the differences between state and county estimates may be due to chance associated with population sampling. We use the terms "Better" and "Worse" to highlight differences between county and state estimates that we are confident are not due to chance. "Better" is used where a higher/lower value has positive implications for the health of older residents. "Worse" is used where a higher/lower score has negative implications for the health of older people, and when the implication is unclear, we use an *. We balance two goals. First, we aim to report data at very local levels because we believe change is often locally driven. Second, we vowed to protect the privacy of the people providing the information reported. Thus, given the constraints of the data analyzed we used a hierarchical approach to reporting.*

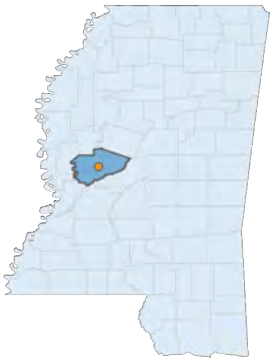
Data Sources:

- *Population Characteristics: The U.S. Census Bureau (American Community Survey 2016-2020) & Robert Wood Johnson Foundation (2020).*
- *COVID-19: Mississippi State Department of Health (MSDH; 2022).*
- *Wellness, Falls, Prevention: The Behavioral Risk Factor Surveillance System (BRFSS; 2013-2020), & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Chronic Disease: The Centers for Medicare and Medicaid Services (CMS) Select Chronic Conditions Database (2018).*
- *Nutrition/Diet, Oral Health: BRFSS (2013-2020) & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Behavioral Health, Mental Health: BRFSS (2013-2020), CMS (2018), & MSDH (2022).*
- *Living with Disability: ACS (2016-2020).*
- *Caregiving: ACS (2016-2020).*
- *Access to Care: BRFSS (2013-2020), CMS (2018), National Adult Day Service Association (June 2022), Community Health Center (Association of Mississippi; June 2022).*
- *Community: Environmental Protection Agency (EPA, 2020), BRFSS (2013-2020), ACS (2016-2020), AARP, & State of Mississippi (May 2022).*
- *Safety & Crime: CDC WONDER (2016-2020).*
- *Transportation: BRFSS (2013-2020), ACS (2016-2020), & Fatality Analysis Reporting System (FARS; 2016-2020).*
- *Housing & Economic: ACS (2016-2020).*
- *Elder Index: Center for Social and Demographic Research on Aging at the University of Massachusetts Boston (2022).*

Acknowledgments: Many people contributed to the MS Healthy Aging Data Report research. The University of Massachusetts Boston Gerontology Institute 2022 research team: Beth Dugan PhD, Nina Silverstein PhD, Chae Man Lee PhD, Taylor Jansen MS, Shu Xu MS, & Yanjhu Su MS. Dr. Kina White from the Mississippi State Department of Health provided important guidance and leadership.

Questions? Beth.Dugan@umb.edu

Yazoo



POPULATION CHARACTERISTICS	County rate is significantly different than State rate	COUNTY ESTIMATE	STATE ESTIMATE
Total population all ages		28,511	2,981,835
Population 60 years or older as % of total population		18.2%	22.3%
Total population 60 years or older		5,195	663,581
Population 65 years or older as % of total population		13.0%	15.9%
Total population 65 years or older		3,712	474,270
% 65-74 years		56.4%	59.7%
% 75-84 years		31.5%	29.4%
% 85 years or older		12.1%	10.1%
% 65+ population who are female		58.5%	56.5%
% 85+ population who are female		65.7%	67.4%
Race and ethnicity of the population 65+			
% White	*	57.2%	70.9%
% African American	*	42.7%	26.9%
% Other race(s)		0.1%	2.2%
% Hispanic/Latino		0.9%	1.0%
Marital status of the population 65+			
% married	*	38.5%	53.1%
% divorced/separated		17.0%	14.5%
% widowed	*	36.7%	27.1%
% never married		7.8%	5.3%
Education of the population 65+			
% with less than high school education	*	30.7%	20.1%
% with high school or some college		52.3%	58.7%
% with college degree		12.3%	11.8%
% with graduate or professional degree	*	4.6%	9.4%
% of 65+ population who speak only English at home		98.6%	97.8%
% of 65+ population who are veterans of military service		15.8%	15.8%
Life expectancy at birth		73.0	74.6

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COVID-19			
Total COVID-19 cases since March 2020		8,047	797,161
COVID-19 mortality rate per 100,000 people		375.3	417.1
% of county received at least one vaccine dose		44.0%	53.7%
% of county fully vaccinated		40.0%	48.9%
WELLNESS			
% 60+ getting the recommended hours of sleep		63.4%	59.9%
% 60+ doing any physical activity within last month		56.8%	61.3%
% 60+ met CDC guidelines for muscle-strengthening activity		18.0%	19.0%
% 60+ met CDC guidelines for aerobic physical activity		35.9%	39.8%
% 60+ with fair or poor health status		35.6%	32.5%
% 60+ with 15+ physically unhealthy days in last month		20.7%	18.7%
FALLS			
% 60+ who fell within last year	B	17.5%	27.8%
% 60+ who were injured in a fall within last year		10.1%	10.6%
PREVENTION			
% 60+ with physical exam/check-up in last year		90.8%	89.0%
% 60+ had flu shot in last year		60.2%	57.6%
% 60+ had pneumonia vaccine		54.1%	58.9%
% 60+ had shingles vaccine		25.3%	24.4%
% 60+ women with a mammogram within last 2 years		66.0%	71.0%
% 60+ with colorectal cancer screening		59.7%	57.1%
% 60+ with HIV test	*	32.2%	20.8%
% 60+ met CDC preventive health screening goals		23.7%	26.2%
CHRONIC DISEASE			
% 65+ with Alzheimer’s disease or related dementias		13.0%	12.9%
% 65+ with arthritis		36.5%	39.8%
% 65+ with asthma		3.7%	3.7%
% 65+ with atrial fibrillation		7.2%	8.9%
% 65+ with cancer (breast, colorectal, lung, prostate)		8.1%	8.8%
% 65+ with chronic kidney disease		26.9%	25.3%
% 65+ with chronic obstructive pulmonary disease (COPD)		10.4%	12.6%
% 65+ with diabetes		29.8%	30.7%
% 65+ with high cholesterol		33.0%	48.9%
% 65+ with heart failure		17.3%	16.1%
% 65+ with hypertension		64.3%	67.9%
% 65+ with ischemic heart disease		25.4%	31.9%
% 65+ with osteoporosis		N/A	6.4%
% 65+ with stroke		4.0%	4.4%

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
NUTRITION & DIET			
% 60+ with 5 or more servings of fruits or vegetables per day		11.5%	11.1%
% 60+ self-reported obese		36.8%	36.0%
% 60+ with cholesterol screening		96.7%	94.7%
ORAL HEALTH			
% 60+ with annual dental exam		57.6%	56.3%
# of dentists per 100,000 persons (all ages)		25.9	42.1
% 60+ with loss of 6 or more teeth		52.4%	45.8%
BEHAVIORAL HEALTH			
# of drug overdose deaths (all ages)		15	2,137
% 60+ current smokers		14.7%	13.1%
% 65+ with alcohol abuse disorder		1.5%	1.3%
% 65+ with drug abuse/substance abuse disorder		3.6%	2.6%
MENTAL HEALTH			
% 60+ with 15+ days poor mental health in last month		9.5%	9.8%
% 65+ with depression		13.1%	16.4%
% 65+ with schizophrenia & other psychotic disorder		3.3%	2.2%
LIVING WITH DISABILITY			
% 65+ with self-reported hearing difficulty		18.8%	15.5%
% 65+ with self-reported vision difficulty	*	15.6%	8.7%
% 65+ with self-reported cognition difficulty		13.2%	11.2%
% 65+ with self-reported ambulatory difficulty	*	42.6%	28.0%
% 65+ with self-reported self-care difficulty		9.9%	10.2%
% 65+ with self-reported independent living difficulty		16.9%	17.3%
CAREGIVING			
% of grandparents raising grandchildren		3.3%	2.4%
% of grandparents who live with grandchildren		6.0%	4.7%
ACCESS TO CARE			
% 60+ with a regular doctor		91.0%	92.0%
% 60+ who did not see a doctor when needed due to cost		7.5%	8.6%
# of primary care providers in county		22	3,571
# of rural health care centers in county		2	191
# of hospitals in county		1	101
# of home health agencies in county		0	45
# of nursing homes in county		2	204
# of community health centers in county		0	20
# of adult day health centers in county		1	8
# of hospice agencies in county		2	94

HEALTHY AGING INDICATORS	BETTER / WORSE STATE RATE	COUNTY ESTIMATE	STATE ESTIMATE
COMMUNITY			
Particulate matter PM2.5		N/A	9.1
Ozone		N/A	0.361
Air pollution: annual # of unhealthy days for 65+		N/A	N/A
Age-friendly efforts in county		Not yet	Not yet
# of senior centers in county		1	115
% households that have smartphone (all ages)		17.4%	15.3%
% households without computer (all ages)	*	20.2%	13.5%
% households with access to Broadband (all ages)		73.5%	75.8%
% households without access to Internet (all ages)		26.2%	23.9%
Voter participation rate in 2020 presidential election (age 18+)		53.5%	61.2%
SAFETY & CRIME			
Homicide rate/100,000 persons		26.6	14.1
# firearm fatalities (all ages)		39	3,428
# 60+ deaths by suicide		0	562
TRANSPORTATION			
% 65+ who own a motor vehicle		86.0%	91.5%
% 60+ who always drive or ride wearing a seatbelt		90.2%	89.6%
# of fatal crashes involving adult age 60+		5	780
HOUSING			
% 65+ population who live alone	*	39.5%	28.1%
Average household size (all ages)		2.7	2.6
Median house value	*	$88,600	$125,500
% 60+ who own home	*	75.9%	82.7%
% 60+ homeowners who have mortgage		24.4%	32.1%
% 65+ households(renter) who spend >35% of income on housing		21.8%	33.5%
% 65+ households(owner) who spend >35% of income on housing		21.6%	15.2%
ECONOMIC			
% 60+ receiving food benefits in last year	*	19.5%	11.4%
% 65+ employed in last year		14.7%	15.6%
% 65+ with income below the poverty line in last year	*	19.2%	12.8%
65+ median household income	*	$23,756	$36,653
% 65+ households with annual income < $20,000	*	43.8%	27.4%
% 65+ households with annual income $20,000-$49,999		29.8%	35.5%
% 65+ households with annual income $50,000-$99,999	*	16.7%	24.6%
% 65+ households with annual income $100,000+		9.6%	12.5%

HEALTHY AGING INDICATORS	RATIO OF COUNTY TO STATE	$ COUNTY ESTIMATE	$ STATE ESTIMATE
Elder Index: COST OF LIVING			
Single, homeowner without mortgage, good health	1.08	$22,332	$20,760
Single, renter, good health	0.99	$23,676	$23,892
Couple, homeowner without mortgage, good health	1.07	$35,508	$33,264
Couple, renter, good health	1.01	$36,852	$36,396

TECHNICAL NOTES

**See our technical report for more information on data sources, measures, and methodology. For most indicators the county and state values are estimates derived from sample data. Thus, it is possible that some of the differences between state and county estimates may be due to chance associated with population sampling. We use the terms "Better" and "Worse" to highlight differences between county and state estimates that we are confident are not due to chance. "Better" is used where a higher/lower value has positive implications for the health of older residents. "Worse" is used where a higher/lower score has negative implications for the health of older people, and when the implication is unclear, we use an *. We balance two goals. First, we aim to report data at very local levels because we believe change is often locally driven. Second, we vowed to protect the privacy of the people providing the information reported. Thus, given the constraints of the data analyzed we used a hierarchical approach to reporting.*

Data Sources:

- *Population Characteristics: The U.S. Census Bureau (American Community Survey 2016-2020) & Robert Wood Johnson Foundation (2020).*
- *COVID-19: Mississippi State Department of Health (MSDH; 2022).*
- *Wellness, Falls, Prevention: The Behavioral Risk Factor Surveillance System (BRFSS; 2013-2020), & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Chronic Disease: The Centers for Medicare and Medicaid Services (CMS) Select Chronic Conditions Database (2018).*
- *Nutrition/Diet, Oral Health: BRFSS (2013-2020) & Health Resources and Services Administration (HRSA) Area Health Resources Files (AHRF; 2022).*
- *Behavioral Health, Mental Health: BRFSS (2013-2020), CMS (2018), & MSDH (2022).*
- *Living with Disability: ACS (2016-2020).*
- *Caregiving: ACS (2016-2020).*
- *Access to Care: BRFSS (2013-2020), CMS (2018), National Adult Day Service Association (June 2022), Community Health Center (Association of Mississippi; June 2022).*
- *Community: Environmental Protection Agency (EPA, 2020), BRFSS (2013-2020), ACS (2016-2020), AARP, & State of Mississippi (May 2022).*
- *Safety & Crime: CDC WONDER (2016-2020).*
- *Transportation: BRFSS (2013-2020), ACS (2016-2020), & Fatality Analysis Reporting System (FARS; 2016-2020).*
- *Housing & Economic: ACS (2016-2020).*
- *Elder Index: Center for Social and Demographic Research on Aging at the University of Massachusetts Boston (2022).*

Acknowledgments: Many people contributed to the MS Healthy Aging Data Report research. The University of Massachusetts Boston Gerontology Institute 2022 research team: Beth Dugan PhD, Nina Silverstein PhD, Chae Man Lee PhD, Taylor Jansen MS, Shu Xu MS, & Yanjhu Su MS. Dr. Kina White from the Mississippi State Department of Health provided important guidance and leadership.

Questions? Beth.Dugan@umb.edu