Trauma Care Trust Fund Distribution

January 1, 2018 through June 30, 2018





DISCLAIMER

This report is prepared for the purpose of providing the Mississippi Department of Health, Bureau of Acute Care Systems, with our calculation of allocations made in accordance with the Trauma Care Trust Fund Distribution Policy for the six-month period ended June 30, 2018. Distribution and use of this report, including the calculations presented herein, should be limited to and consistent with HORNE's contract with the Mississippi State Department of Health, Bureau of Acute Care Systems, for the contract term commencing July 1, 2018.

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February 13, 2019

Mr. David B. Hall, MA, NRP Director, Bureau of Acute Care Systems Mississippi State Department of Health 310 Airport Road South, Suite B Pearl, MS 39208

Re: Trauma Care Trust Fund Distribution

Dear Mr. Hall:

Pursuant to your request and in accordance with our contract with the Mississippi State Department of Health, Bureau of Acute Care Systems ("ACS"), for the term commencing July 1, 2018, we have performed the following services (collectively, "Fund Allocations") in accordance with the Mississippi Trauma Care Trust Fund Distribution Policy:

- Determine allocation for each of the seven Mississippi Trauma Care Regions ("Regions")
- Determine allocation for each designated trauma center by Region
- Submit complete information to ACS to allow ACS to make proper disbursements

The accompanying report is prepared for the purpose of providing the Mississippi Department of Health, Bureau of Acute Care Systems, with our calculation of the Fund Allocations for the six-month period ended June 30, 2018 for purposes of documentation of compliance with the Mississippi Trauma Care Trust Fund Distribution Policy.

Mr. David B. Hall, MA, NRP Director, Bureau of Acute Care Systems Mississippi Department of Health February 13, 2019 Page 2

We appreciate this opportunity to be of assistance to you in providing this calculation. Should you have any questions or comments regarding the information presented above, please do not hesitate to contact us.

Sincerely,

HORNE LLP

Gregory D. Anderson, CPA/ABV, CVA

Partner

GDA/Its

Enclosures

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DISTRIBUTION SUMMARY

The following summary represents an overview of the Net Total Funds Available for Distribution for the six-month period ended June 30, 2018 as provided by the Mississippi Department of Health in accordance with the Trauma Care Trust Fund Distribution Policy ("Distribution Policy").¹

Summary of Total Available for Distribution	January 1 – June 30
Level IV Administrative Support	N/A
Administrative Funds Distribution	\$ 835,000
EMS Component Distribution Total	1,200,000
Level I - Level III Fixed Distribution Total	2,400,000
Level I - Level III Variable Distribution Total	4,000,000
Burn Fund	400,000
Total Distribution	\$ 8,835,000

Region	EMS Distribution	Level I - III Distribution	Level IV Distribution	Total to be Distributed	Administrative Expense Distribution	Total Distribution
Central	\$300,729	\$1,803,488	N/A	\$2,104,217	\$160,595	\$2,264,812
Coastal	153,016	1,298,534	N/A	1,451,550	82,764	1,534,314
Delta East	231,309	1,156,053	N/A	1,387,362	140,595	1,527,957
Central	69,604	396,547	N/A	466,151	93,975	560,126
North	217,257	1,162,585	N/A	1,379,842	134,247	1,514,090
Southeast	162,492	797,877	N/A	960,369	129,654	1,090,023
Southwest	65,593	184,916	N/A	250,509	93,170	343,678
Totals	\$1,200,000	\$6,800,000	N/A	\$8,000,000	\$835,000	\$8,835,000

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 $^{^{1}}$ Mississippi Trauma Care System Regulations, Chapter 1, Sub-chapter 3. Total Distribution includes mandated budget cut of 2.3037%.



Based on the Total Funds Available for Distribution, we have performed the following services (collectively, "Fund Allocations") in accordance with the Distribution Policy:

- Determine allocation for each of the seven Mississippi Trauma Care Regions
- Determine allocation for each designated trauma center by Trauma Care Region
- Submit complete information to ACS to allow ACS to make proper disbursements

For a summary of the Allocations made in accordance with the Distribution Policy, please refer to the Schedule 1 in Appendix C.



HISTORY AND BACKGROUND

Establishment of the Trauma Care Trust Fund

In 1994, Mississippi Attorney General Mike Moore initiated a lawsuit against 13 tobacco companies, arguing that they should reimburse the state for the costs of treating smoking related illnesses. The settlement was worth \$246 billion, with Mississippi receiving \$4.1 billion.

The Mississippi legislature put those funds into a "lockbox," and planned to utilize only the interest earned on the money, leaving the corpus untouched. These designated interest funds were to be expended only on health-related initiatives in the state. One of those initiatives was the Trauma Care Trust Fund ("TCTF"). Administered by the Mississippi State Department of Health ("MSDH"), Division of Emergency Medical Services ("EMS"), the Fund received \$6 million annually from the tobacco expendable fund and additional monies from assessments on fines paid by moving traffic violators.

The purpose of the Mississippi Trauma Care System is to "reduce the death and disability resulting from traumatic injury" with a goal to "deliver the *right* patient to the *right* hospital the *first* time." Every Mississippi hospital with an emergency room must maintain a trauma registry, which captures detailed information about patients whose injury meets the clinical criteria as defined by the state. This information, uploaded to the Department of Health monthly, is used to help assure that patients have access to and are transported to the closest, most appropriate trauma facility, and also is used as part of the performance improvement process.

A 2007 report by the Center for Mississippi Health Policy called for changes to the state's trauma system, and recommended a minimum funding level of \$40 million to maintain the trauma care system at adequate levels. In the 2008 legislative session, HB 1405 created a mandatory trauma system, requiring all hospitals to participate in the trauma network as a condition of licensure. (This mandatory system is the only one of its kind in the nation.) A hospital that chooses not to participate in the trauma network, or chooses to participate at a level lower than it is capable of participating, is assessed a fine ranging from \$758,000 to nearly \$1.5 million. These fees came to be known as "play or pay" fees.

As the tobacco expendable fund dwindled, new funding sources for TCTF were required. Currently, the Mississippi TCTF is funded through legislatively mandated portions of traffic fines, license plate fees and point-of-sale fees on motorcycles, ATVs, and personal watercraft. In addition, the aforementioned hospital non-participation fees, aka "play or pay" fees, also provide funding to the TCTF. Pursuant to the change in funding sources within the TCTF, the distribution system was changed in 2009. The TCTF is now managed by the Department of Health's Bureau of Acute Care Systems, which continues to use the Fund to cover administrative expenses of the system while distributing the remaining balance to trauma centers and ambulance districts. Qualified burn centers also receive funding from the TCTF. Level I – III hospitals and burn centers are required to expend 30 percent of their allocated funds on their physician component.



Recent Reductions in Trauma Care Funding

During the 2016 and 2017 regular sessions, the Mississippi Legislature passed two bills that had implications for trauma funding. In 2016 the Legislature passed Senate Bill 2362, also known as the Budget Transparency and Simplification Act, which redirected part of the funding to be collected for the TCTF in fiscal year 2017 to the State General Fund. Specifically fines associated with moving violations were redirected to the State General Fund.

During the 2017 Regular Session, the Legislature passed House Bill 1511, which reduced the Trauma System's spending authority. The Legislature restored fees collected from moving violations to the TCTF, but House Bill 1511 reduced MSDH's authorized annual spending on the Trauma System to \$20 million. Based on previous years' collections, this equated to a cut of more than \$2,000,000 for the Trauma system for FY 2018.²

² Mississippi State Department of Health, "FY 2018 Mississippi TRAUMA System of Care Plan," July 12, 2017.



TOTAL AVAILABLE FOR DISTRIBUTION

Biannually the Trauma System Administrator obtains the Trauma Care Systems Fund balance from the State Treasurer to be distributed to eligible trauma centers located in the following designated trauma regions ("Regions"):

- Central
- Coastal
- Delta
- East Central
- North
- Southeast
- Southwest

In accordance with the Distribution Policy,³ an allocation of the fund balance is available for distribution to eligible trauma centers⁴ within each Region based on patient trauma registry data for the six-month periods ended June 30th and December 31st. Each allocation is distributed based on half of the fund balance less pre-determined administrative adjustments, which are presented in Schedule 21. In particular, the fund balance is reduced by the MSDH and each Region's administrative stipend expenses associated with the trauma care system. In calculating the distribution for the six-month period ended December 31st, the remaining fund balance was adjusted for an annual stipend paid to eligible Level IV trauma centers consisting of \$10,000 per facility. For a list of qualifying Level IV trauma centers as provided by ACS, please refer to Appendix B.

The remaining fund balance net of MSDH and the Regions' administrative expenses ("Total Available for Distribution") is provided by ACS to HORNE for calculation of the Fund Allocation for each designated trauma center by Region as described below.

³ Rule 1.3.5, Miss. Code Ann. §41-59-5.

⁴ Eligible Level IV trauma centers constitute facilities that maintain licensing and participation requirements as determined by the Department and applicable Region.



FUND ALLOCATION METHODOLOGY

In accordance with the Distribution Policy, the remaining Fund balance is available for distribution to EMS providers, Level I through Level III trauma centers, and the state's burn center as follows:

EMS Component Distribution

Fifteen percent of the Net Total Available for Distribution is allocated to each Region for EMS providers based on the Region's respective county populations as presented on Schedule 2 and described below.⁵

<u>Small County Distribution</u> – EMS Component funds are allocated for counties with respective populations fewer than 15,000 ("Small Counties") on a *per capita* basis. The Small County distribution is determined based on a sum of the following:

- A dedicated portion equal to 3.490 percent of the total EMS Component fund was
 utilized to result in a small county distribution less than or equal to the disbursement
 received by the Large County with the population closest to or equal to 15,000 in
 accordance with Rule 1.3.6. of the Distribution Policy.
- The total Small County population as a percentage of the total state population multiplied by the total EMS Component fund.

<u>Large County Distribution</u> – The EMS Component funds, less the Small County Distribution, are allocated for counties with respective populations greater than 14,999 ("Large Counties") based on the population size of each individual Large County relative to the aggregate population of Large Counties.

For details of our calculation of the allocation for EMS Component funds, please refer to Schedule 2.

Level I through Level III Distribution

Variable Distribution

Fifty percent of the Net Total Available for Distribution is allocated among the Regions based on patient data collected in the trauma registry's Injury Severity Score (ISS) index for each trauma center. Funds are distributed based on each facility's specific ISSs which are weighted relative to the total ISS scores for all Level I – III trauma centers as presented below:⁶

ISS Severity Score	Severity Score Weight
1 - 9	1.02
10 - 15	2.02
16 - 24	3.80
> 24	6.57

⁵ Rule 1.3.5, Miss. Code Ann. §41-59-75.

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⁶ Rule 1.3.7, Miss. Code Ann. §41-59-75.



For a list of eligible Level I – III trauma centers, please refer to Appendix B. For details of our calculation of the variable distribution allocation, please refer to Schedules 3 through 4.

Hospital Fixed Distribution

Thirty percent of the Net Total Available for Distribution is allocated *pro rata* to Level II, Level II, and Level III trauma centers based on their respective designations during the distribution period in conjunction with the following relative weights:⁷

Trauma Designation	Relative Weight
Level I	1.000
Level II	0.875
Level III	0.625

For a list of eligible Level I – III trauma centers, please refer to Appendix B. For details of our calculation of the fixed distribution allocation, please refer to Schedule 5.

Physician Component Distribution

In accordance with the Distribution Policy, a minimum of 30 percent of each total hospital payment is required to fund the physician component for each Level I –III trauma center. A summary of fixed and variable distribution components for each eligible facility, including the respective Region and physician component is presented on Schedule 3.

Burn Center Fund

Five percent of the fund balance is reserved for burn centers operating in the state. However, if no such burn centers exist, this amount is included in the fixed trauma center distribution. For a summary of the allocation for Burn Center funds, please refer to Schedule 1.

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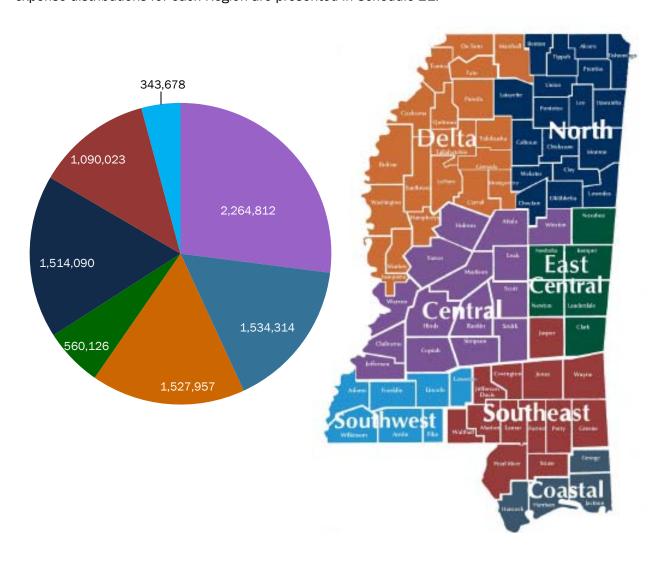
⁷ Rule 1.3.6, Miss. Code Ann. §41-59-75.



Regional Distribution Summary

A summary of the EMS Component fund allocation, Level I – III hospital fund allocations, and administrative expense distributions for each Region is presented on Schedule 6.

Summaries of the Level I – III hospital fund allocations and physician payment component for each Region are presented in Schedules 7 through 13, and a summary of each Region's EMS distribution allocation, by county, is presented in Schedules 14 through 20. A summary of administrative expense distributions for each Region are presented in Schedule 21.



Source: MSDH State Trauma Plan (FY 2018)



APPENDIX A - SOURCES OF INFORMATION

- Mississippi Trauma Care System Regulations, Title 15: Mississippi Department of Health, Part 3: Bureau of Acute Care Systems, Subpart 1: Trauma System of Care. Accessed at https://msdh.ms.gov/msdhsite/index.cfm/49,7361,305,pdf/Trauma%20System.pdf.
- Descriptive Review of the Mississippi Trauma Care Systems Fund. Joint Legislative Committee on Performance Evaluation and Expenditure Review (2013).
- Hariel, Shane and Granberry, Erin. Financial Health of the Mississippi Statewide Trauma Program for Hospital Providers (2015).
- Total Funds Available for Distribution for the period January 1, 2018 through June 30, 2018 as provided by ACS.
- Mississippi County Populations based on 2010 Census data reported by the United States Census Bureau.
- Injury Severity Score ("ISS") and Severity Index for Level I III hospitals in the Trauma Care System based on patient data for the six-month period ended June 30, 2018 as provided by ACS.
- Mississippi Trauma Care System Designated and Undesignated Hospitals memo as provided by ACS on January 31, 2019.
- Other sources as cited within this report.



APPENDIX B - MISSISSIPPI DESIGNATED AND NON-DESIGNATED TRAUMA CENTERS

Level I (4 Hospitals)

Le Bonheur Children's Hospital – Memphis, TN (Tertiary Pediatric) Regional Medical Center at Memphis – Memphis, TN University of Mississippi Medical Center – Jackson, MS University of South Alabama – Mobile, AL

Level II (3 Hospitals)

Forrest General Hospital Memorial Hospital of Gulfport North Mississippi Medical Center

Level III (16 Hospitals)

Anderson Regional Medical Center Baptist Memorial Hospital - DeSoto Baptist Memorial Hospital - Golden Triangle Baptist Memorial Hospital - North MS Delta Regional Medical Center Garden Park Medical Center Magnolia Regional Health Center Merit Health Biloxi Merit Health Central Merit Health River Oaks Ocean Springs Hospital **OCH Regional Medical Center** Rush Foundation Hospital Singing River Hospital South Central Regional Medical Center Southwest Mississippi Regional **Medical Center**

Level IV (62 Hospitals)

Alliance Healthcare System

Baptist Medical Center - Attala Baptist Medical Center - Calhoun Baptist Medical Center - Leake Baptist Medical Center - Yazoo Baptist Memorial Hospital -Booneville Baptist Memorial Hospital - Union County **Bolivar Medical Center** Choctaw Regional Medical Center Claiborne County Medical Center Copiah County Medical Center Covington County Hospital Field Memorial Hospital Franklin County Memorial Hospital George Regional Hospital Greene County Hospital Greenwood Leflore Hospital H.C. Watkins Memorial Hospital Hancock Medical Center Highland Community Hospital Jefferson Davis Community Hospital John C. Stennis Memorial Hospital King's Daughters Medical Center Laird Hospital Lawrence County Hospital Magee General Hospital Marion General Hospital Merit Health Batesville Merit Health Gilmore Memorial Merit Health Madison Merit Health Natchez Merit Health Northwest Mississippi Merit Health Rankin Merit Health River Region Merit Health Wesley Methodist Healthcare - Olive Branch Hospital

Mississippi Baptist Medical Center -Jackson Neshoba County General Hospital North Mississippi Medical Center -Eupora North Mississippi Medical Center luka North Mississippi Medical Center -Pontotoc North Mississippi Medical Center -West Point North Sunflower County Hospital Noxubee General Critical Access Hospital Pearl River County Hospital Perry County General Hospital Pioneer Community Hospital of Aberdeen (Monroe Regional) S.E. Lackey Memorial Hospital Scott County Regional Hospital Sharkey-Issaguena Community Hospital Simpson General Hospital South Sunflower County Hospital St. Dominic Jackson Memorial Hospital Stone County Hospital Tallahatchie General Hospital Tippah County Hospital Tyler Holmes Memorial Hospital University of Mississippi Medical Center - Grenada University Holmes County Walthall General Hospital Wayne General Hospital Winston Medical Center

Burn Center Designation (1 Hospital)

J.M. Still Burn Center at Merit Health Central

Non-Designated (1 Hospital)

Jefferson County Hospital



APPENDIX C - SCHEDULES

Trauma Care Trust Fund January 1 - June 30, 2018 Distribution Summary



	Notes			
Total Fund Balance in the Trauma Care Trust Fund Administrative Funds	(1)	\$	8,835,000 835,000	
Total to be Distributed	(2)		8,000,000	
Level IV Administrative Support - Annual Stipend	(3)		N/A	
Net Total Available for Distribution		\$	8,000,000	
EMS Distribution Total	(4)	\$	1,200,000	15%
Levels I - III: Hospital Fixed Distribution Total	(4)		2,400,000	30%
Levels I - III: Hospital Variable Distribution Total	(4)		4,000,000	50%
Burn Fund	(4)		400,000	5%
Net Total Available for Distribution			8,000,000	100%
Level IV Administrative Support	(3)		N/A	
Total to be Distributed		<u>\$</u>	8,000,000	

Notes

- (1) Administrative funds to be equitably, above baseline funding, to Trauma Care Regions (TCR) based on complexity and census, as provided in Rule 1.3.4, Miss. Code Ann. §41-59-5, and provided by ACS.
- (2) Amount available for distribution as provided by ACS for allocation in accordance with the Trauma Care Trust Fund Distribution Policy ("Distribution Policy").
- (3) Each of the 62 Level IV Trauma Centers received an annual \$10,000 stipend for the fiscal year, as provided in Rule 1.3.4, Miss. Code Ann. §41-59-5. The \$620,000 annual stipend for the fiscal year July 1, 2017 through June 30, 2018 was paid in the July 1, 2017 through December 31, 2017 period.
- (4) Based on percent of the Net Total Available for Distribution as provided in Rules 1.3.5 through 1.3.8, Miss. Code Ann. §41-59-75.

Trauma Care Trust Fund Funding Model for EMS Component January 1 - June 30, 2018



	Notes		
Census	(1)		2,967,297
Total EMS Component Fund Balance	(2)		\$ 1,200,000
Small County Per Capita Portion	(3)	7.88303%	94,596
Small County Dedicated Portion	(4)	3.49183%	41,902
Total EMS Component Funds for Small Counties			 136,498
Total Number of Small Counties			23
Lump Sum per Small County			 5,935
Adjusted EMS Component Fund Balance	(5)		\$ 1,063,502

County	Population	Population Percentage	EMS Distribution		
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Small Counties (<15,000 pop.):					
Issaquena	1,406	0.04738%	\$	5,935	
Sharkey	4,916	0.16567%		5,935	
Jefferson	7,726	0.26037%		5,935	
Franklin	8,118	0.27358%		5,935	
Quitman	8,223	0.27712%		5,935	
Choctaw	8,547	0.28804%		5,935	
Benton	8,729	0.29417%		5,935	
Humphreys	9,375	0.31594%		5,935	
Claiborne	9,604	0.32366%		5,935	
Wilkinson	9,878	0.33290%		5,935	
Webster	10,253	0.34553%		5,935	
Kemper	10,456	0.35237%		5,935	
Carroll	10,597	0.35713%		5,935	
Tunica	10,778	0.36323%		5,935	
Montgomery	10,925	0.36818%		5,935	
Noxubee	11,545	0.38907%		5,935	
Perry	12,250	0.41283%		5,935	
Jefferson Davis	12,487	0.42082%		5,935	
Yalobusha	12,678	0.42726%		5,935	
Lawrence	12,929	0.43572%		5,935	
Amite	13,131	0.44252%		5,935	
Greene	14,400	0.48529%		5,935	
Calhoun	14,962	0.50423%		5,935	

Trauma Care Trust Fund Funding Model for EMS Component January 1 - June 30, 2018



		Population	Revised		
County	Population	Percentage	Distribution ⁽⁴⁾		
Large Counties (>14,999 pop.):					
Tallahatchie	15,378	0.51825%	5,983		
Walthall	15,443	0.52044%	6,009		
Smith	16,491	0.55576%	6,416		
Clarke	16,732	0.56388%	6,510		
Jasper	17,062	0.57500%	6,638		
Chickasaw	17,392	0.58612%	6,767		
Stone	17,786	0.59940%	6,920		
Winston	19,198	0.64699%	7,470		
Holmes	19,198	0.64699%	7,470		
Attala	19,564	0.65932%	7,612		
Covington	19,568	0.65946%	7,614		
Tishomingo	19,593	0.66030%	7,623		
Clay	20,634	0.69538%	8,028		
Wayne	20,747	0.69919%	8,072		
Newton	21,720	0.73198%	8,451		
Grenada	21,906	0.73825%	8,523		
Tippah	22,232	0.74923%	8,650		
George	22,578	0.76089%	8,785		
Itawamba	23,401	0.78863%	9,105		
Leake	23,805	0.80225%	9,262		
Prentiss	25,276	0.85182%	9,834		
Coahoma	26,151	0.88131%	10,175		
Marion	27,088	0.91288%	10,539		
Union	27,134	0.91443%	10,557		
Simpson	27,503	0.92687%	10,701		
Yazoo	28,065	0.94581%	10,920		
Scott	28,264	0.95252%	10,997		
Tate	28,886	0.97348%	11,239		
Copiah	29,449	0.99245%	11,458		
Sunflower	29,450	0.99249%	11,459		
Neshoba	29,676	1.00010%	11,546		
Pontotoc	29,957	1.00957%	11,656		

Trauma Care Trust Fund Funding Model for EMS Component January 1 - June 30, 2018



		Population		Revised	
County	Population	Percentage	Dis	stribution ⁽⁴⁾	
Large Counties (>14,999 pop.):					
Adams	32,297	1.08843%		12,566	
Leflore	32,317	1.08911%		12,574	
Bolivar	34,145	1.15071%		13,285	
Panola	34,707	1.16965%		13,504	
Lincoln	34,869	1.17511%		13,567	
Monroe	36,989	1.24656%		14,392	
Alcorn	37,057	1.24885%		14,418	
Marshall	37,144	1.25178%		14,452	
Pike	40,404	1.36164%		15,720	
Hancock	43,929	1.48044%		17,092	
Lafayette	47,351	1.59576%		18,423	
Oktibbeha	47,671	1.60655%		18,548	
Warren	48,773	1.64368%		18,977	
Washington	51,137	1.72335%		19,896	
Lamar	55,658	1.87571%		21,654	
Pearl River	55,834	1.88165%		21,723	
Lowndes	59,779	2.01459%		23,258	
Jones	67,761	2.28359%		26,364	
Forrest	74,934	2.52533%		29,154	
Lauderdale	80,261	2.70485%		31,227	
Lee	82,910	2.79413%		32,258	
Madison	95,203	3.20841%		37,041	
Jackson	139,668	4.70691%		54,341	
Rankin	141,617	4.77259%		55,100	
DeSoto	161,252	5.43431%		62,739	
Harrison	187,105	6.30557%		72,798	
Hinds	245,285	8.26628%		95,435	
Totals ⁽⁶⁾	2,967,297	100%	\$	1,200,000	

Trauma Care Trust Fund Funding Model for EMS Component January 1 - June 30, 2018



Notes

- (1) Based on the United States Census Bureau 2010 census data for Mississippi as provided by Rule 1.3.5., Miss. Code Ann. §41-59-5.
- (2) Based on 15 percent of the net total available for distribution as presented on Schedule 1.
- (3) Based on the combined population for counties with fewer than 15,000 inhabitants as a percentage of the total population for the state of Mississippi.
- (4) Based on a dedicated portion to result in less than or equal to the Disbursement received by the Large County with the population closest to or equal to 15,000 as provided by Rule 1.3.5., Miss. Code Ann. §41-59-5.
- (5) Calculated as the difference between total EMS component fund balance (a) less the small county population percentage (b) multiplied by the subject county's population percentage (c) multiplied by the small county dedicated portion (d), and the subject county's population (e) as a percentage of total population (f) multiplied by the difference in total distribution (g) for all small counties less total distribution (g) for all small county dedicated portion (d) as provided by Rule 1.3.5., Miss. Code Ann. §41-59-75:
 - =(((a-b)*c)-(c*d))-((e/f)*(g-(g-d)))
- (6) Percentages in this report may contain rounding differences.

Trauma Care Trust Fund Level I - III Hospital Distribution January 1 - June 30, 2018



Trauma Facility	Region	Fixed n Amount ⁽¹⁾				Total		Physician Payment ⁽³⁾	
Level I:									
Le Bonheur Children's Hospital	Delta	\$	144,359	\$	111,579	\$	255,938	\$	76,781
Regional Medical Center at Memphis	Delta		144,359		267,368		411,727		123,518
University of Mississippi Medical Center	Central		144,359		1,025,404		1,169,763		350,928
University of South Alabama Medical Center	Coastal		144,359		127,758		272,117		81,635
Level II:									
Forrest General Hospital	Southeast		126,316		480,651		606,967		182,090
Memorial Hospital of Gulfport	Coastal		126,316		205,429		331,745		99,524
North Mississippi Medical Center - Tupelo	North		126,316		338,890		465,206		139,562
Level III:									
Anderson Regional Medical Center	East Central		90,226		118,726		208,952		62,686
Baptist Memorial Hospital - Desoto	Delta		90,226		252,381		342,607		102,782
Baptist Memorial Hospital - Golden Triangle	North		90,226		119,636		209,862		62,959
Baptist Memorial Hospital - North Mississippi	North		90,226		85,707		175,933		52,780
Delta Regional Medical Center	Delta		90,226		55,555		145,781		43,734
Garden Park Medical Center	Coastal		90,226		113,201		203,427		61,028
Magnolia Regional Health Center	North		90,226		104,218		194,444		58,333
Merit Health Biloxi	Coastal		90,226		51,195		141,421		42,426
Merit Health Central	Central		90,226		34,284		124,510		37,353
Merit Health River Oaks	Central		90,226		18,989		109,215		32,765
Ocean Springs Hospital	Coastal		90,226		89,962		180,188		54,056
OCH Regional Medical Center	North		90,226		26,914		117,140		35,142
Rush Foundation Hospital	East Central		90,226		97,369		187,595		56,279
Singing River Hospital	Coastal		90,226		79,410		169,636		50,891
South Central Regional Medical Center	Southeast		90,226		100,684		190,910		57,273
Southwest Mississippi Regional Medical Center	Southwest		90,226		94,690		184,916		55,475
Totals ⁽⁴⁾		\$	2,400,000	\$	4,000,000	\$	6,400,000	\$	1,920,000

Notes

- (1) Please refer to Schedule 5.
- (2) Determined by calculating the severity percentage found in Schedule 4 by the hospital variable distribution total found in Schedule 1.
- (3) At a minimum, 30 percent of each total hospital payment shall fund the physician component for each Level I III trauma center as provided in Rule 1.3.3, Miss. Code Ann. §41-59-5.
- (4) Percentages in this report may contain rounding differences.

Trauma Care Trust Fund

Injury Severity Score Summary for Level I, II and III Hospitals (1) January 1 - June 30, 2018



Tanana Facilita	A 1-9	Severity ⁽²⁾	B 10-15	Severity ⁽²⁾	C 16-24	Severity (2)	D >24	Severity ⁽²⁾	Not Valued	A - D	Severity Totals ⁽²⁾	Severity
Trauma Facility	1-9	Severity	10-15	Severity	10-24	Seventy	>24	Seventy	valued	A-D	Totals	Percentage
Level I:												
Le Bonheur Children's Hospital	204	208.08	20	40.40	16	60.80	8	52.56	2	250	361.84	2.78947%
Regional Medical Center at Memphis	275	280.50	57	115.14	67	254.60	33	216.81	0	432	867.05	6.68419%
University of Mississippi Medical Center	1,411	1,439.22	328	662.56	156	592.80	96	630.72	4	1,995	3,325.30	25.63512%
University of South Alabama Medical Center	94	95.88	30	60.60	35	133.00	19	124.83	1	179	414.31	3.19396%
Level II:												
Forrest General Hospital	876	893.52	87	175.74	51	193.80	45	295.65	0	1,059	1,558.71	12.01627%
Memorial Hospital of Gulfport	385	392.70	50	101.00	16	60.80	17	111.69	0	468	666.19	5.13573%
North Mississippi Medical Center - Tupelo	574	585.48	104	210.08	47	178.60	19	124.83	0	744	1,098.99	8.47224%
Level III:												
Anderson Regional Medical Center	153	156.06	49	98.98	10	38.00	14	91.98	0	226	385.02	2.96816%
Baptist Memorial Hospital - Desoto	593	604.86	39	78.78	13	49.40	13	85.41	0	658	818.45	6.30952%
Baptist Memorial Hospital - Golden Triangle	284	289.68	36	72.72	5	19.00	1	6.57	0	326	387.97	2.99090%
Baptist Memorial Hospital - North Mississippi	191	194.82	29	58.58	3	11.40	2	13.14	0	225	277.94	2.14267%
Delta Regional Medical Center	104	106.08	17	34.34	7	26.60	2	13.14	1	131	180.16	1.38887%
Garden Park Medical Center	202	206.04	32	64.64	15	57.00	6	39.42	1	256	367.10	2.83002%
Magnolia Regional Health Center	169	172.38	44	88.88	15	57.00	3	19.71	0	231	337.97	2.60545%
Merit Health Biloxi	108	110.16	9	18.18	3	11.40	4	26.28	4	128	166.02	1.27987%
Merit Health Central	79	80.58	3	6.06	3	11.40	2	13.14	0	87	111.18	0.85710%
Merit Health River Oaks	45	45.90	4	8.08	2	7.60	0	-	0	51	61.58	0.47473%
Ocean Springs Hospital	206	210.12	31	62.62	5	19.00	0	-	0	242	291.74	2.24906%
OCH Regional Medical Center	66	67.32	8	16.16	1	3.80	0	-	0	75	87.28	0.67285%
Rush Foundation Hospital	148	150.96	21	42.42	8	30.40	14	91.98	0	191	315.76	2.43423%
Singing River Hospital	189	192.78	17	34.34	8	30.40	0	-	1	215	257.52	1.98525%
South Central Regional Medical Center	153	156.06	37	74.74	20	76.00	3	19.71	0	213	326.51	2.51710%
Southwest Mississippi Regional Medical Center	190	193.80	21	42.42	10	38.00	5	32.85	0	226	307.07	2.36724%
Totals ⁽³⁾	6,699	6,832.98	1,073	2,167.46	516	1,960.80	306	2,010.42	14	8,608	12,971.66	100.00%

Notes

(1) Based on injury severity scores for patients in the trauma registry during the period January 1, 2018 through June 30, 2018 as provided by ACS.

(2) Based on Injury Severity Score weightings as provided in Rule 1.3.7, Miss. Code Ann. §41-59-75.

ISS Severity Score	Severity Index
1 - 9	1.02
10 - 15	2.02
16 - 24	3.80
> 24	6.57

(3) Percentages in this report may contain rounding differences.

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MISSISSIPPI STATE DEPARTMENT OF HEALTH

Trauma Care Trust Fund Fixed Funding Distribution for Level I, II and III Hospitals January 1 - June 30, 2018

Hospital Fixed Distribution Total	\$ 2,400,000
Level I Hospital Allocation	577,436
Level II Hospital Allocation	378,948
Level III Hospital Allocation	1,443,616

	Relative	Distribution	Fixed Distribution			
Trauma Facility	Weight ⁽¹⁾	Percentage ⁽¹⁾	Allocation ⁽²⁾			
Level I:						
Le Bonheur Children's Hospital	1.000	6.0150%	\$ 144,359			
Regional Medical Center at Memphis	1.000	6.0150%	144,359			
University of Mississippi Medical Center	1.000	6.0150%	144,359			
University of South Alabama Medical Center	1.000	6.0150%	144,359			
Level I Hospital Totals ⁽³⁾	4.000	24.0600%	577,436			
Level II:						
Forrest General Hospital	0.875	5.2632%	126,316			
Memorial Hospital at Gulfport	0.875	5.2632%	126,316			
North Mississippi Medical Center - Tupelo	0.875	5.2632%	126,316			
Level II Hospital Totals ⁽³⁾	2.625	15.7896%	378,948			
Level III:						
Anderson Regional Medical Center	0.625	3.7594%	90,226			
Baptist Memorial Hospital - Desoto	0.625	3.7594%	90,226			
Baptist Memorial Hospital - Golden Triangle	0.625	3.7594%	90,226			
Baptist Memorial Hospital - North Mississippi	0.625	3.7594%	90,226			
Delta Regional Medical Center	0.625	3.7594%	90,226			
Garden Park Medical Center	0.625	3.7594%	90,226			
Magnolia Regional Health Center	0.625	3.7594%	90,226			
Merit Health Biloxi	0.625	3.7594%	90,226			
Merit Health Central	0.625	3.7594%	90,226			
Merit Health River Oaks	0.625	3.7594%	90,226			
Ocean Springs Hospital	0.625	3.7594%	90,226			
OCH Regional Medical Center	0.625	3.7594%	90,226			
Rush Foundation Hospital	0.625	3.7594%	90,226			
Singing River Hospital	0.625	3.7594%	90,226			
South Central Regional Medical Center	0.625	3.7594%	90,226			
Southwest Mississippi Regional Medical Center	0.625	3.7594%	90,226			
Level III Hospital Totals ⁽³⁾	10.00	60.1504%	1,443,616			
Level I - III Hospital Totals ⁽³⁾	16.625	100.00%	\$ 2,400,000			

Note

- (1) Based on the relative weight for Level I III trauma centers as provided in Rule 1.3.6, Miss. Code Ann. §41-59-75.
- (2) Based on each hospital's distribution percentage multiplied by Hospital Fixed Distribution Total as presented on Schedule 1.
- (3) Percentages in this report may contain rounding differences.

Trauma Care Trust Fund Regional Distribution Summary January 1 - June 30, 2018



Region	EMS Distribu		Level I - III stribution ⁽¹⁾	Level IV Distribution ⁽³⁾	Total to be Distributed	ministrative Expense stribution ⁽⁴⁾	C	Total distribution
Central	\$ 3	00,729	\$ 1,803,488	N/A	\$ 2,104,217	\$ 160,595	\$	2,264,812
Coastal	1	53,016	1,298,534	N/A	1,451,550	82,764		1,534,314
Delta	2	31,309	1,156,053	N/A	1,387,362	140,595		1,527,957
East Central		69,604	396,547	N/A	466,151	93,975		560,126
North	2	17,257	1,162,585	N/A	1,379,842	134,247		1,514,090
Southeast	1	62,492	797,877	N/A	960,369	129,654		1,090,023
Southwest		65,593	184,916	N/A	250,509	93,170		343,678
Totals (3)	\$ 1,2	00,000	\$ 6,800,000	N/A	\$ 8,000,000	\$ 835,000	\$	8,835,000

Notes

- (1) Please refer to Schedules 7 through 13 for a summary of Level I III trauma center distributions for each Trauma Region.
- (2) Please refer to Schedules 14 though 20 for a summary of EMS distributions for each Trauma Region.
- (3) Each of the 62 Level IV Trauma Centers received an annual \$10,000 stipend for the fiscal year, as provided in Rule 1.3.4, Miss. Code Ann. §41-59-5. The \$620,000 annual stipend for the fiscal year July 1, 2017 through June 30, 2018 was paid in the July 1, 2017 through December 31, 2017 period.
- (4) Please refer to Schedule 21 for a summary of administrative distributions for each Trauma Region.
- (5) Totals in this report may contain rounding differences.

Trauma Care Trust Fund Hospital Distribution Central Region January 1 - June 30, 2018



Hospital	County	A	Fixed Amounts	Variable Amounts	Total	'nysician iyments ⁽¹⁾
Level I: University of Mississippi Medical Center	Hinds	\$	144,359	\$ 1,025,404 \$	1,169,763	\$ 350,928
Level III: Merit Health Central Merit Health River Oaks	Hinds Rankin		90,226 90,226	34,284 18,989	124,510 109,215	37,353 32,765
Burn Fund J. M. Still Burn Center at Merit Health Center	Hinds		400,000	N/A	400,000	N/A
Central Region Total		\$	724,811	\$ 1,078,677 \$	1,803,488	\$ 421,046

Notes

Trauma Care Trust Fund Hospital Distribution Coastal Region January 1 - June 30, 2018



Hospital	County	Fixed Amount	Variable Amount	Total	nysician yments ⁽¹⁾
Level I: University of South Alabama Medical Center	N/A	\$ 144,359	\$ 127,758	\$ 272,117	\$ 81,635
Level II: Memorial Hospital at Gulfport	Harrison	126,316	205,429	331,745	99,524
Level III:					
Garden Park Medical Center	Harrison	90,226	113,201	203,427	61,028
Merit Health Biloxi	Harrison	90,226	51,195	141,421	42,426
Ocean Springs Hospital	Jackson	90,226	89,962	180,188	54,056
Singing River Hospital	Jackson	 90,226	79,410	169,636	50,891
Coastal Region Total		\$ 631,579	\$ 666,955	\$ 1,298,534	\$ 389,560

Notes

Trauma Care Trust Fund Hospital Distribution Delta Region January 1 - June 30, 2018



		Fixed	Variable			hysician
Hospital	County	Amount	Amount	Total	Pa	yments ⁽¹⁾
Level I:						
Le Bonheur Children's Hospital	N/A	\$ 144,359	\$ 111,579	\$ 255,938	\$	76,781
Regional Medical Center at Memphis	N/A	144,359	267,368	411,727		123,518
Level III:						
Baptist Memorial Hospital - Desoto	Desoto	90,226	252,381	342,607		102,782
Delta Regional Medical Center	Washington	90,226	55,555	145,781		43,734
Delta Region Total		\$ 469,170	\$ 686,883	\$ 1,156,053	\$	346,815

Notes

Trauma Care Trust Fund Hospital Distribution East Central Region January 1 - June 30, 2018



Hospital	County		Fixed Amount	Variable Amount				Total		Physician ayments ⁽¹⁾
Level III: Anderson Regional Medical Center	Lauderdale	\$	90.226	\$	118.726	\$	208.952	\$	62,686	
Rush Foundation Hospital	Lauderdale	Ψ ——	90,226	Ψ	97,369	Ψ	187,595	Ψ	56,279	
East Central Region Total		\$	180,452	\$	216,095	\$	396,547	\$	118,965	

Notes

Trauma Care Trust Fund Hospital Distribution North Region January 1 - June 30, 2018



Hospital	County	Fixed Amount	Variable Amount	Total	Physician ayments ⁽¹⁾
Level II: North Mississippi Medical Center - Tupelo	Lee	\$ 126,316	\$ 338,890 \$	465,206	\$ 139,562
Level III:					
Baptist Memorial Hospital - Golden Triangle	Lowndes	90,226	119,636	209,862	62,959
Baptist Memorial Hospital - North MS	Lafayette	90,226	85,707	175,933	52,780
Magnolia Regional Health Center	Alcorn	90,226	104,218	194,444	58,333
OCH Regional Medical Center	Oktibbeha	 90,226	26,914	117,140	35,142
North Region Total		\$ 487,220	\$ 675,365 \$	1,162,585	\$ 348,776

Notes

Trauma Care Trust Fund Hospital Distribution Southeast Region January 1 - June 30, 2018



Hospital	County	Fixed Amount	Variable Amount	Total	Physician ayments ⁽¹⁾
Level II: Forrest General Hospital	Forrest	\$ 126,316	\$ 480,651 \$	606,967	\$ 182,090
Level III: South Central Regional Medical Center	Jones	 90,226	100,684	190,910	57,273
Southeast Region Total		\$ 216,542	\$ 581,335 \$	797,877	\$ 239,363

Notes

Trauma Care Trust Fund Hospital Distribution Southwest Region January 1 - June 30, 2018



Hospital	County		Fixed Amount		Variable Amount		Total		Physician Payments ⁽¹⁾	
Level III: Southwest Mississippi Regional Medical Center	Pike	\$	90,226	\$	94,690	\$	184,916	\$	55,475	
Southwest Region Total		\$	90,226	\$	94,690	\$	184,916	\$	55,475	

Notes

Trauma Care Trust Fund EMS Distribution Central Region January 1 - June 30, 2018



County	Total
Attala	\$ 7,612
Claiborne	5,935
Copiah	11,458
Hinds	95,435
Holmes	7,470
Jefferson	5,935
Leake	9,262
Madison	37,041
Rankin	55,100
Scott	10,997
Simpson	10,701
Smith	6,416
Warren	18,977
Winston	7,470
Yazoo	 10,920
Central Region Total	\$ 300,729

Trauma Care Trust Fund EMS Distribution Coastal Region January 1 - June 30, 2018



County	Total	
George	\$ 8,785	
Hancock	17,092	
Harrison	72,798	
Jackson	 54,341	
Coastal Region Total	\$ 153,016	

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Trauma Care Trust Fund EMS Distribution Delta Region January 1 - June 30, 2018

unty		Total	
Bolivar	\$	13,285	
Carroll		5,935	
Coahoma		10,175	
Desoto		62,739	
Grenada		8,523	
Humphreys		5,935	
Issaquena		5,935	
Leflore		12,574	
Marshall		14,452	
Montgomery		5,935	
Panola		13,504	
Quitman		5,935	
Sharkey		5,935	
Sunflower		11,459	
Tallahatchie		5,983	
Tate		11,239	
Tunica		5,935	
Washington		19,896	
Yalobusha		5,935	
Delta Region Total	\$	231,309	

Trauma Care Trust Fund EMS Distribution East Central Region January 1 - June 30, 2018



ounty		Total	
Clarke	\$	6,510	
Kemper		5,935	
Lauderdale		31,227	
Neshoba		11,546	
Newton		8,451	
Noxubee		5,935	
East Central Region Total	\$	69,604	

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Trauma Care Trust Fund EMS Distribution North Region January 1 - June 30, 2018

County	Total
Alcorn	\$ 14,418
Benton	5,935
Calhoun	5,935
Chickasaw	6,767
Choctaw	5,935
Clay	8,028
Itawamba	9,105
Lafayette	18,423
Lee	32,258
Lowndes	23,258
Monroe	14,392
Oktibbeha	18,548
Pontotoc	11,656
Prentiss	9,834
Tippah	8,650
Tishomingo	7,623
Union	10,557
Webster	 5,935
North Region Total	\$ 217,257



Trauma Care Trust Fund EMS Distribution Southeast Region January 1 - June 30, 2018

County		Total
Covington	\$	7,614
Forrest		29,154
Greene		5,935
Jasper		6,638
Jefferson Davis		5,935
Jones		26,364
Lamar		21,654
Marion		10,539
Pearl River		21,723
Perry		5,935
Stone		6,920
Walthall		6,009
Wayne		8,072
Southeast Region Total	_\$	162,492





Trauma Care Trust Fund EMS Distribution Southwest Region January 1 - June 30, 2018

County		Total
Adams	\$	12,566
Amite		5,935
Franklin		5,935
Lawrence		5,935
Lincoln		13,567
Pike		15,720
Wilkinson	<u> </u>	5,935
Southwest Region Total	\$	65,593

Trauma Care Trust Fund

Administrative Expenses Distribution (1) January 1 - June 30, 2018



	Notes	Region													
		Central		Coastal		Delta		East Central		North		Southeast	Southwest		Total
Facility Type Count	(2)														
Level I			1	1		2		0		0		0	0		4
Level II			0	1		0		0		1		1	0		3
Level III			3	4		2		2		4		1	1		17
Level IV		1	.6	2		12		5		11		11	5		62
Non Designated			1	0		0		0		0		0	0		1
Number of Counties		1	.5	4		19		6		18		13	7		82
Sub-Total of Points Assigned	(3)	33.5	0	19.00		33.50		12.00		31.00		22.50	10.50		162
Points Percentage of Total	(4)	20.68	%	11.73%		20.68%		7.41%		19.14%		13.89%	6.48%		100%
Baseline	(5)	\$ 125,000.0	o \$	125,000.00	\$	125,000.00	\$	125,000.00	\$	125,000.00	\$	125,000.00	\$ 125,000.00	\$	875,000.00
Weighted Funding Process	(6)	36,190.0	0	20,527.50		36,190.00		12,950.00		33,495.00		24,307.50	11,340.00		175,000.00
Education Grant	(7)	160,000.0)	20,000.00		120,000.00		50,000.00		110,000.00		110,000.00	50,000.00		620,000.00
TOTALS		\$ 321,190.00	\$	165,527.50	\$	281,190.00	\$	187,950.00	\$	268,495.00	\$	259,307.50	\$ 186,340.00	\$	1,670,000.00
July 1 - December 31, 2017 Distribution		\$ 160,595.0	3 \$	82,763.75	\$	140,595.00	\$	93,975.00	\$	134,247.50	\$	129,653.75	\$ 93,170.00	\$	835,000.00
January 1 - June 30, 2018 Distribution		\$ 160,595.0	3 \$	82,763.75	\$	140,595.00	\$	93,975.00	\$	134,247.50	\$	129,653.75	\$ 93,170.00	\$	835,000.00

Notes

- (1) Calculation provided by MSDH, Bureau of Acute Care Systems.
- (2) Based on the number of participating facilities in each county.
- (3) Based on the following point system, as provided by ACS for allocation of the administrative distribution:
 - 4 points for each Level I trauma center participating per Region
 - 3 points for each Level II trauma center participating per Region
 - 2 points for each Level III trauma/burn center participating per Region
 - 1 point for each Level IV trauma center participating per Region
 - O points for each Non-designated/non-participating trauma center per Region
 - 0.50 points for the number of counties located in the Region
- (4) Calculated as a percentage based on the total number of points for all Regions.
- (5) Based on an administrative distribution base line of \$125,000 per year.
- (6) Based on the Mississippi Trauma Advisory Committee's approved additional amount of administrative funds to be distributed of \$175,000, allocated based on each Region's percentage of points assigned.
- (7) Each of the 62 Level IV Trauma Centers receives an annual \$10,000 for the education grant, as provided in Rule 1.3.4, Miss. Code Ann. §41-59-5.



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