



Amended Trauma Service Area Assessment

Florida Department of Health

Bureau of Emergency Medical Oversight

Health Information and Policy Analysis Program

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Data Sources

The hospital discharge dataset is collected by the Agency for Health Care Administration (AHCA). It is a comprehensive set of all hospitalizations in the state. Records used for this report are for 2012.

The Florida Emergency Medical Services Tracking and Reporting System (EMSTARS) collects incident-level information on millions of EMS incidents every year, for benchmarking and quality improvement initiatives. EMSTARS currently contains over nine million records. The EMSTARS data used for this report is for 2009-2012.

The Florida Trauma Registry collects patient-level data from the state's verified and provisional trauma centers, as authorized by section 395.404(1), Florida Statutes. Verified and provisional trauma centers must maintain a comprehensive database of those injured patients treated within the hospital. The records used for this report are 2010-2012, the three most recent years available.

The data regarding severely injured patients was derived from the AHCA hospital discharge database for 2012.

US Census Data was used to determine TSA demographics. Population is based on 2012 estimates.

Glossary of Terms

- 1) **Acute Care Hospital** – An acute care hospital is defined by the Agency for Health Care Administration as a facility type that is equal to a hospital with acute care bed capacity. Acute care hospitals include trauma centers.
- 2) **Statutory Trauma Center Patient Volume** – Defined by section 395.402(1), Florida Statutes. Florida counties with a population of more than 500,000 are Duval, Brevard, Miami-Dade, Hillsborough, Lee, Orange, Palm Beach, Pinellas, and Polk.
- 3) **Annual Trauma Patient Volume** – Trauma patient volume is derived from the state trauma registry for records submitted by provisional and verified trauma centers for 2012. No inclusion criteria were applied to the self-reported volumes.
- 4) **ICISS**: International Classification Injury Severity Score, ICISS is derived using the Agency for Health Care Administration discharge database.
 - Probability of Survival (SRR=Survival Risk Ratio): ratio of the number of patients with that injury code who have survived to the total number of patients diagnosed with that code
 - Age is included as a predictor variable with the SRR
- 5) **Severely Injured Patient** – A patient with injuries as defined in the National Trauma Data Standard Patient Inclusion criteria with an ICISS score of < .85, excluding a length of stay of less than 24 hours or isolated hip fractures.

- 6) **Severely Injured Patients Discharged from Acute Care Hospitals** – The number of severely injured patients that were discharged from an acute care hospital (excluding trauma centers) as reflected by the AHCA database of 2012.
- 7) **Annual Percent of Patients Discharged from Acute Care Hospitals** – The total number of severely injured patients discharged from acute care hospitals (excluding trauma centers) divided by total number of severely injured patients.
- 8) **Rotor Wing Aircraft** – Rotor Wing Aircraft includes all rotary winged aircraft permitted by the Department. The total number of aircraft per TSA is derived from the Customer Oriented Medical Practitioner Administration System (COMPAS). Aircraft such as jets or airplanes are considered fixed wing aircraft and are not included in this measure. This is a static look at the COMPAS database for a specific time period and does not differentiate between active and inactive aircraft. Aircraft represented in this assessment may service multiple TSAs.
- 9) **Permitted EMS Ground Vehicles** – A vehicle that is permitted by the department to perform Basic Life Support or Advanced Life Support and transport patients to a receiving facility. The total number of permitted EMS ground vehicles per TSA is derived from a static look from the COMPAS database and does not differentiate between active and inactive vehicles. EMS ground vehicles represented in this assessment may service multiple TSAs.
- 10) **EMS Ground Vehicle to Population Ratio** – The total number of permitted ground vehicles, regardless of transport or non-transport status, to a population of 10,000 residents. $(\text{Total number EMS Ground Vehicles}/\text{Population}) * 10,000$
- 11) **EMS Ground Vehicle to 100 Square Miles Ratio** – The total number of permitted ground vehicles, regardless of transport or non-transport status, to 100 square miles. $(\text{Total number EMS ground Vehicles}/\text{Total Land Area}) * 100$
- 12) **Median Transport Time** – The median EMS transport time is derived from the Emergency Medical Services Tracking and Reporting System (EMSTARS). All patients transported to a hospital licensed as a verified trauma center are included regardless of illness or injury. EMS transport time is the difference between the time the unit left the scene and the time the EMS unit arrived at the hospital. Transport time includes all EMSTARS records submitted from 2009 to 2012 with a Type of Service Requested equal to 911 scene or intercept. Records that had a median transport time of greater than two hours were excluded.

Review of the Assignment of the 67 Counties to Trauma Service Areas

Since 1990, Florida's 67 counties have been assigned to 19 trauma service areas (TSAs) pursuant to section 395.402, Florida Statutes. As required by legislative amendments to the trauma statutes in 2004, the assignment of counties to TSAs is to be reviewed annually. The first such review occurred on February 1, 2005, when the Department released *A Comprehensive Assessment of the Florida Trauma System* which was conducted by the University of South Florida. The 2005 assessment considered transforming Florida's TSAs so that the boundaries of the TSAs would be identical to the boundaries of the Regional Domestic Security Task Forces (RDSTFs), thus realigning counties and reducing the number of TSAs to seven. While the assessment determined it may be possible to transform the TSAs into areas that coincide with the RDSTFs, it noted that regional trauma agencies would need to be developed in each of the larger geographical areas in order to make the transformation feasible.

As part of this assessment, the Department again evaluated the possibility of altering the current county assignments to establish TSAs that are identical to the RDSTFs. At this time, Florida has just one regional trauma agency and three local trauma agencies. None of the regional or local trauma agencies have boundaries that are identical to the RDSTFs. Neither the one regional trauma system plan in existence nor the state trauma system plan recommend realignment of counties into the RDSTFs for allocation purposes. While the RDSTFs present opportunities for planning and performance improvement, the RDSTFs are too large of a geographic area to ensure the even distribution of trauma centers throughout Florida. Without the existence of regional trauma agencies in each of the trauma regions, the allocation of trauma centers throughout the state should continue to be guided by the more geographically compact TSAs.

Also as part of this assessment, the Department evaluated the current county assignments to TSAs. The existing TSAs have been used to guide trauma center development in Florida since 1990 and are familiar to all stakeholders of the trauma system. On review, the Department has determined that none of the current county assignments require realignment at this time. The most appropriate alignment of counties is described in section 395.402(4)(a), Florida Statutes.

Trauma Center Funding

As noted by the American College of Surgeons in its *Trauma System Consultation Report*, "Florida is fortunate to have several funding sources to support the trauma program." The Florida Legislature provides funding for existing trauma centers through portions of the revenue from the vehicle registration taxes and red light camera fines. The funding provided to existing trauma centers has increased significantly in the past two years as a result of the installation of red light cameras throughout Florida. For example, funds distributed to trauma centers in calendar year 2011 totaled \$5,163,848.64, and in 2012, that number more than doubled with distributions to trauma centers totaling \$12,683,771.76.

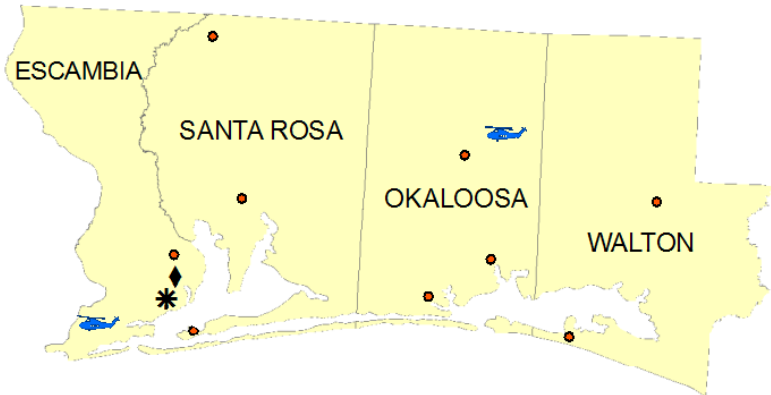
The current funding methodology is prescribed by section 395.4036, Florida Statutes, and uses trauma patient volumes to disburse funds. As part of its *Trauma System Consultation Report*, the American College of Surgeons' system consultation team recommended changes to Florida's current funding methodology.

As the needs of the Trauma Program and trauma system change, the Trauma Program should consider revising the statutes and rules governing the trauma fund to ensure that designated trauma centers receive level-appropriate support for the "cost of readiness." In addition, distribution of funds should focus on the deliverables established by the Trauma Program rather than volume and acuity exclusively.

The Department concurs with the assessment of the system consultation team.

Trauma Service Areas

Trauma Service Area 1



TSA Trauma System Information

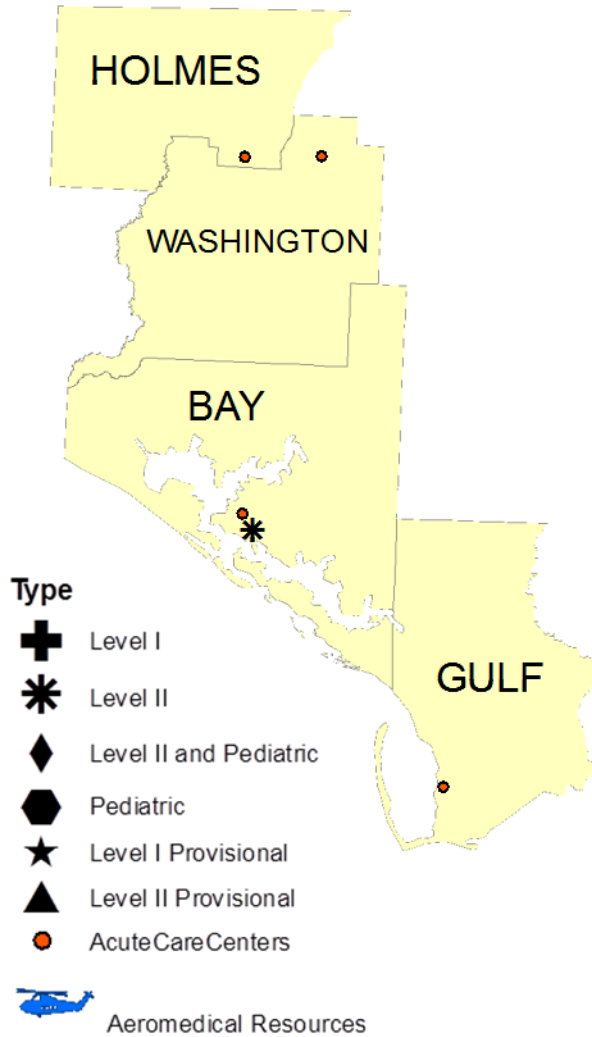
# Verified Level I Trauma Centers	0
# Verified Level II Trauma Centers	2
# of Acute Care Hospitals	11
Statutory Patient Volume	1,000
Annual Trauma Patient Volume Reported by Trauma Centers	2,544
# of Severely Injured Patients	447
Annual # of Severely Injured Patients Discharged from Acute Care Hospitals	93
Annual % of Severely Injured Patients Discharged from Acute Care Hospitals	20.8%

TSA Emergency Medical Services

# of Rotor Wing Aircraft	2
# of Permitted EMS Ground Vehicles	87
EMS Ground Vehicle to Population Ratio	1.23:10,000
EMS Ground Vehicle to 100 Square Miles Ratio	2.4:100
Median Transport Time	00:14:00 hh:mm:ss

TSA Demographics

Population	708,892
Population Density	194.97
10 Year Population Growth Rate	13.7%
Median Age	37.9
% Persons 65 & Over	13.2%
% Persons Under 18	20.02%
Total Land Area	3,635 sq Miles



TSA Emergency Medical Services

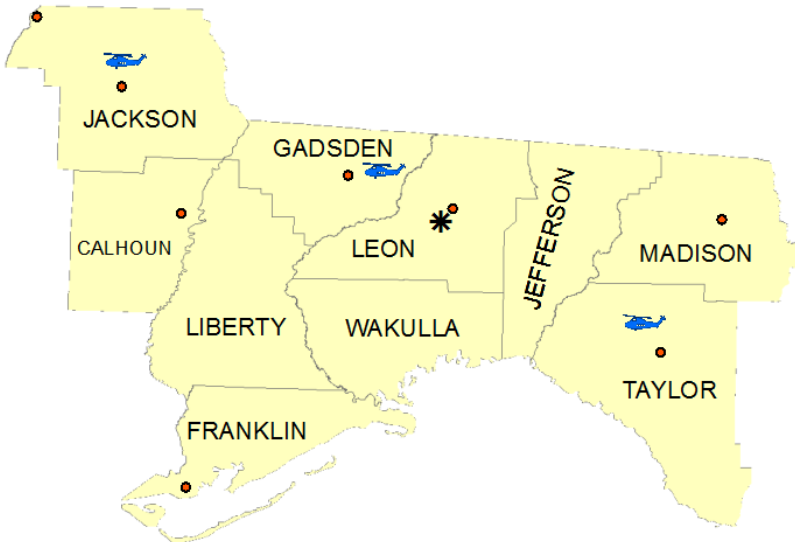
# of Rotor Wing Aircraft	0
# of Permitted EMS Transport Vehicles	35
EMS Ground Vehicle to Population Ratio	1.51:10,000
EMS Ground Vehicle to 100 Square Miles Ratio	1.47:100
Median Transport Time	00:39:00 hh:mm:ss

TSA Trauma System Information

# Verified Level I Trauma Centers	0
# Verified Level II Trauma Centers	1
# of Acute Care Hospitals	5
Statutory Patient Volume	500
Annual Trauma Patient Volume Reported by Trauma Centers	363
# of Severely Injured Patients	137
Annual # of Severely Injured Patients Discharged From Acute Care Hospitals	137
Annual % of Severely Injured Patients Discharged From Acute Care Hospitals	100%

TSA Demographics

Population	232,317
Population Density	97.45
10 Year Population Growth Rate	15.5%
Median Age	39.8
% Persons 65 & Over	11.3%
% Persons Under 18	15.99%
Total Land Area	2,384 sq Miles



TSA Emergency Medical Services

# of Rotor Wing Aircraft	3
# of Permitted EMS Transport Vehicles	95
EMS Ground Vehicle to Population Ratio	1.90:10,000
EMS Ground Vehicle to 100 Square Miles Ratio	1.36:100
Median Transport Time	00:33:00 hh:mm:ss

TSA Trauma System Information

# Verified Level I Trauma Centers	0
# Verified Level II Trauma Centers	1
# of Acute Care Hospitals	9
Statutory Patient Volume	500
Annual Trauma Patient Volume Reported by Trauma Centers	1,292
# of Severely Injured Patients	289
Annual # of Severely Injured Patients Discharged From Acute Care Hospitals	32
Annual % of Severely Injured Patients Discharged From Acute Care Hospitals	11.1%

TSA Demographics

Population	500,675
Population Density	71.71
10 Year Population Growth Rate	14.8%
Median Age	30.2
% Persons 65 & Over	5.9%
% Persons Under 18	10.51%
Total Land Area	6,982 sq Miles



Type

-  Level I
-  Level II
-  Level II and Pediatric
-  Pediatric
-  Level I Provisional
-  Level II Provisional
-  AcuteCareCenters
-  Aeromedical Resources

TSA Emergency Medical Services

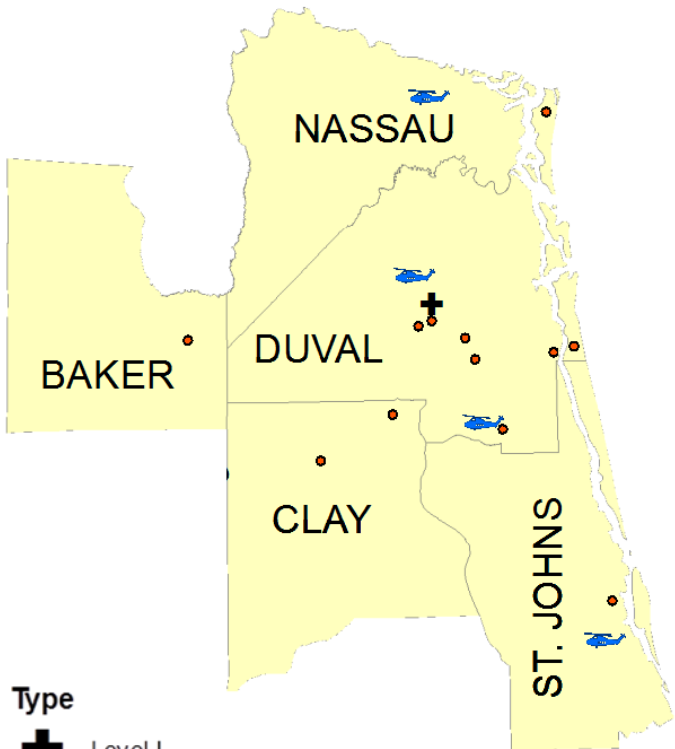
# of Rotor Wing Aircraft	4
# of Permitted EMS Transport Vehicles	96
EMS Ground Vehicle to Population Ratio	1.68:10,000
EMS Ground Vehicle to 100 Square Miles Ratio	1.40:100
Median Transport Time	00:51:00 hh:mm:ss

TSA Trauma System Information

# Verified Level I Trauma Centers	1
# Verified Level II Trauma Centers	0
# of Acute Care Hospitals	10
Statutory Patient Volume	1,000
Annual Trauma Patient Volume Reported by Trauma Centers	2,745
# of Severely Injured Patients	537
Annual # of Severely Injured Patients Discharged From Acute Care Hospitals	63
Annual % of Severely Injured Patients Discharged From Acute Care Hospitals	11.7%

TSA Demographics

Population	575,041
Population Density	83.87
10 Year Population Growth Rate	14.5%
Median Age	38.1
% Persons 65 & Over	9.4%
% Persons Under 18	13.16%
Total Land Area	6,856 sq Miles



- Type**
- Level I
 - Level II
 - Level II and Pediatric
 - Pediatric
 - Level I Provisional
 - Level II Provisional
 - Acute Care Centers



Aeromedical Resources

TSA Emergency Medical Services

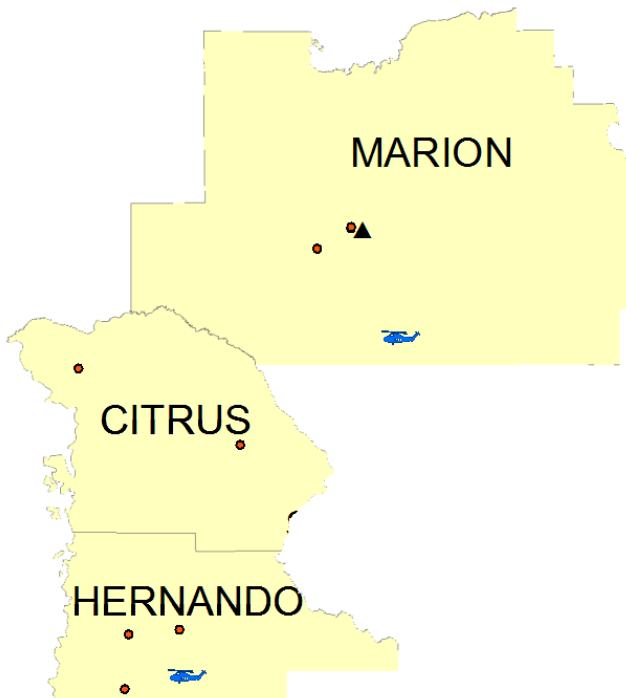
# of Rotor Wing Aircraft	4
# of Permitted EMS Transport Vehicles	252
EMS Ground Vehicle to Population Ratio	1.84:10,000
EMS Ground Vehicle to 100 Square Miles Ratio	7.87:100
Median Transport Time	00:09:00 hh:mm:ss

TSA Trauma System Information

# Verified Level I Trauma Centers	1
# Verified Level II Trauma Centers	0
# of Acute Care Hospitals	13
Statutory Patient Volume	1,000
Annual Trauma Patient Volume Reported by Trauma Centers	3,433
# of Severely Injured Patients	776
Annual # of Severely Injured Patients Discharged From Acute Care Hospitals	358
Annual % of Severely Injured Patients Discharged From Acute Care Hospitals	46.1%

TSA Demographics

Population	1,377,850
Population Density	430.43
10 Year Population Growth Rate	22.7%
Median Age	40.4
% Persons 65 & Over	12.8%
% Persons Under 18	22.67%
Total Land Area	3,201 sq Miles



- Type**
- Level I
 - Level II
 - Level II and Pediatric
 - Pediatric
 - Level I Provisional
 - Level II Provisional
 - Acute Care Centers
 - Aeromedical Resources

TSA Emergency Medical Services

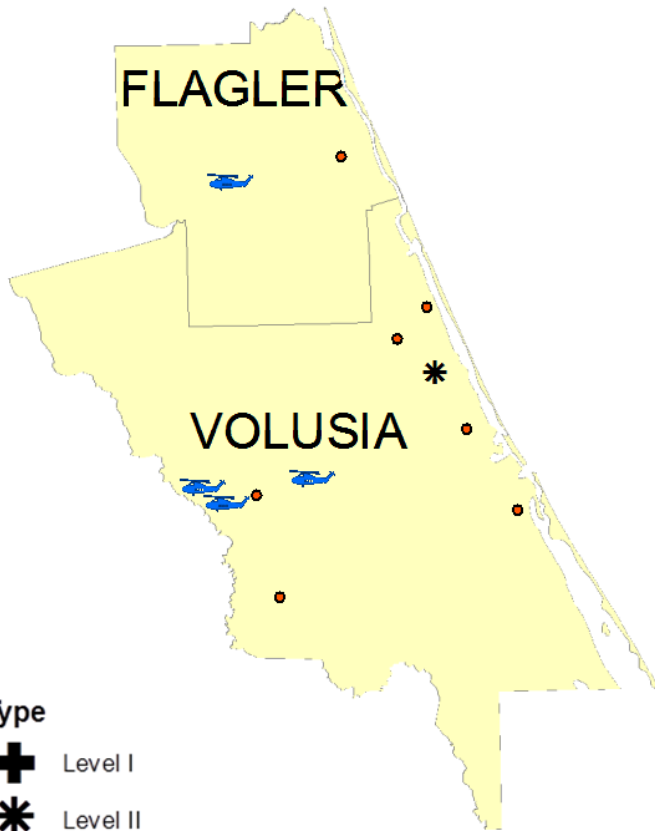
# of Rotor Wing Aircraft	2
# of Permitted EMS Transport Vehicles	78
EMS Ground Vehicle to Population Ratio	1.19:10,000
EMS Ground Vehicle to 100 Square Miles Ratio	2.96:100
Median Transport Time	00:22:00 hh:mm:ss

TSA Trauma System Information







# Verified Level I Trauma Centers	0
# Verified Level II Trauma Centers	0
# of Acute Care Hospitals	8
Statutory Patient Volume	0
Annual Trauma Patient Volume Reported by Trauma Centers	80
# of Severely Injured Patients	216
Annual # of Severely Injured Patients Discharged From Acute Care Hospitals	216
Annual % of Severely Injured Patients Discharged From Acute Care Hospitals	100%

TSA Demographics

Population	647,907
Population Density	245.53
10 Year Population Growth Rate	27.6%
Median Age	48
% Persons 65 & Over	28.2%
% Persons Under 18	18.36%
Total Land Area	2,639 sq Miles



Type

-  Level I
-  Level II
-  Level II and Pediatric
-  Pediatric
-  Level I Provisional
-  Level II Provisional
-  AcuteCareCenters



Aeromedical Resources

TSA Emergency Medical Services

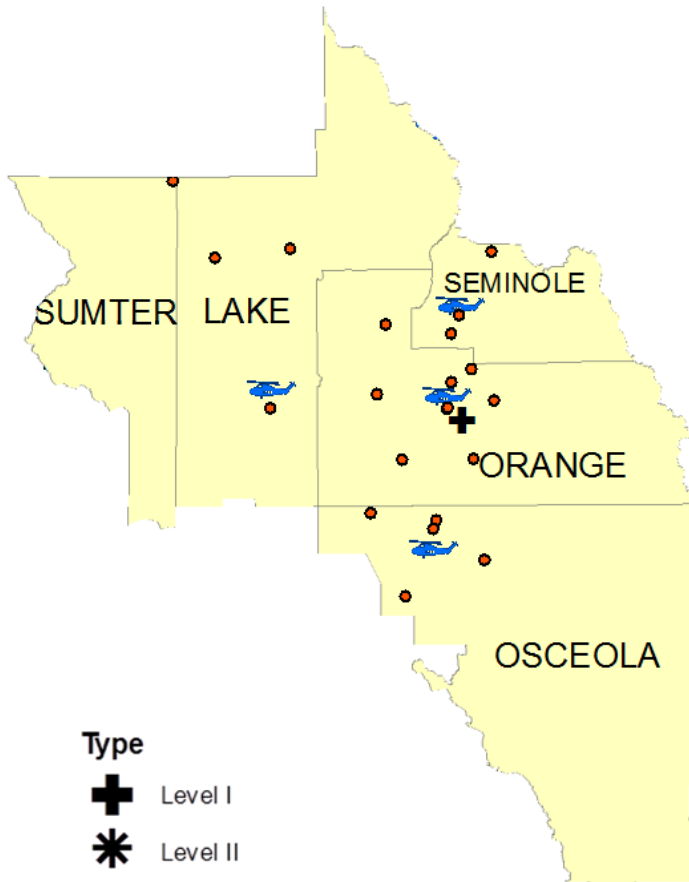
# of Rotor Wing Aircraft	4
# of Permitted EMS Transport Vehicles	73
EMS Ground Vehicle to Population Ratio	1.22:10,000
EMS Ground Vehicle to 100 Square Miles Ratio	4.60:100
Median Transport Time	00:12:05 hh:mm:ss

TSA Trauma System Information

# Verified Level I Trauma Centers	0
# Verified Level II Trauma Centers	1
# of Acute Care Hospitals	8
Statutory Patient Volume	500
Annual Trauma Patient Volume Reported by Trauma Centers	1,936
# of Severely Injured Patients	369
Annual # of Severely Injured Patients Discharged From Acute Care Hospitals	99
Annual % of Severely Injured Patients Discharged From Acute Care Hospitals	26.8%

TSA Demographics

Population	595,309
Population Density	375.24
10 Year Population Growth Rate	20.7%
Median Age	47.85
% Persons 65 & Over	22.8%
% Persons Under 18	18.45%
Total Land Area	1,586 sq Miles



- Type**
- Level I
 - Level II
 - Level II and Pediatric
 - Pediatric
 - Level I Provisional
 - Level II Provisional
 - Acute Care Centers
 - Aeromedical Resources

TSA Emergency Medical Services

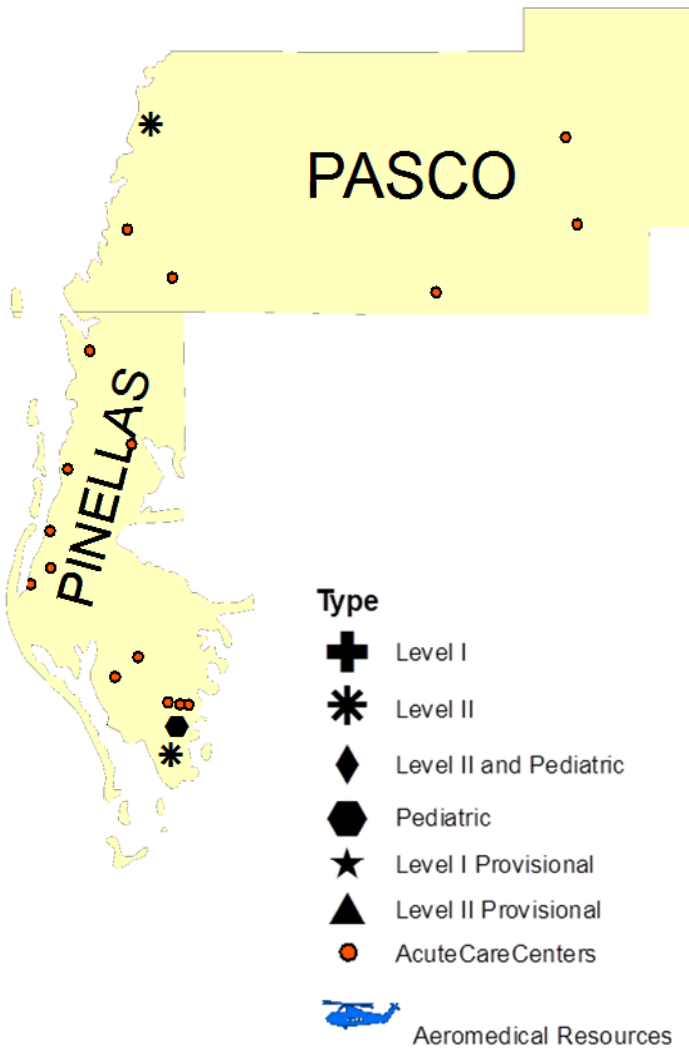
# of Rotor Wing Aircraft	4
# of Permitted EMS Transport Vehicles	315
EMS Ground Vehicle to Population Ratio	1.36:10,000
EMS Ground Vehicle to 100 Square Miles Ratio	7.83:100
Median Transport Time	00:13:00 hh:mm:ss

TSA Trauma System Information

# Verified Level I Trauma Centers	1
# Verified Level II Trauma Centers	0
# of Acute Care Hospitals	21
Statutory Patient Volume	1,000
Annual Trauma Patient Volume Reported by Trauma Centers	4,223
# of Severely Injured Patients	1,093
Annual # of Severely Injured Patients Discharged From Acute Care Hospitals	430
Annual % of Severely Injured Patients Discharged From Acute Care Hospitals	39.3%

TSA Demographics

Population	2,325,294
Population Density	577.65
10 Year Population Growth Rate	37.0%
Median Age	43.9
% Persons 65 & Over	14.6%
% Persons Under 18	22.17%
Total Land Area	4,025 sq Miles



TSA Emergency Medical Services

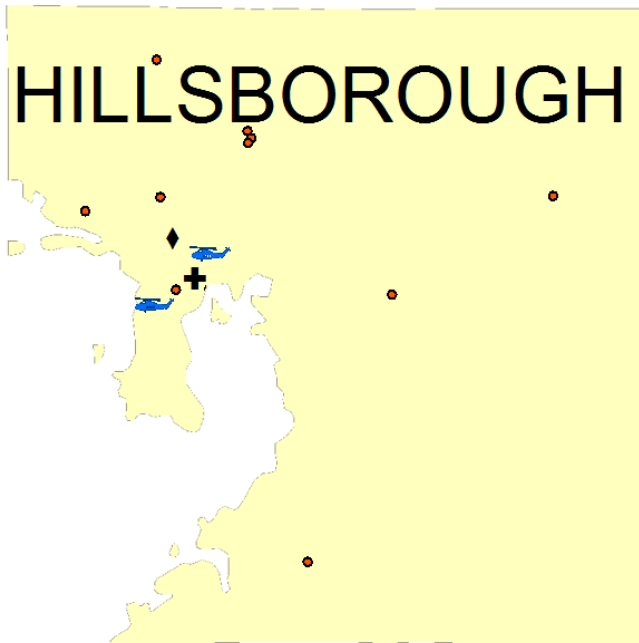
# of Rotor Wing Aircraft	0
# of Permitted EMS Transport Vehicles	129
EMS Ground Vehicle to Population Ratio	0.92:10,000
EMS Ground Vehicle to 100 Square Miles Ratio	12.64:100
Median Transport Time	00:12:08 hh:mm:ss

TSA Trauma System Information

# Verified Level I Trauma Centers	0
# Verified Level II Trauma Centers	2
# of Acute Care Hospitals	19
Statutory Patient Volume	1,500
Annual Trauma Patient Volume Reported by Trauma Centers	3,977
# of Severely Injured Patients	937
Annual # of Severely Injured Patients Discharged From Acute Care Hospitals	608
Annual % of Severely Injured Patients Discharged From Acute Care Hospitals	64.9%

TSA Demographics

Population	1,391,710
Population Density	1,363.50
10 Year Population Growth Rate	9.9%
Median Age	43.9
% Persons 65 & Over	21.9%
% Persons Under 18	18.45%
Total Land Area	1,021 sq Miles



TSA Emergency Medical Services

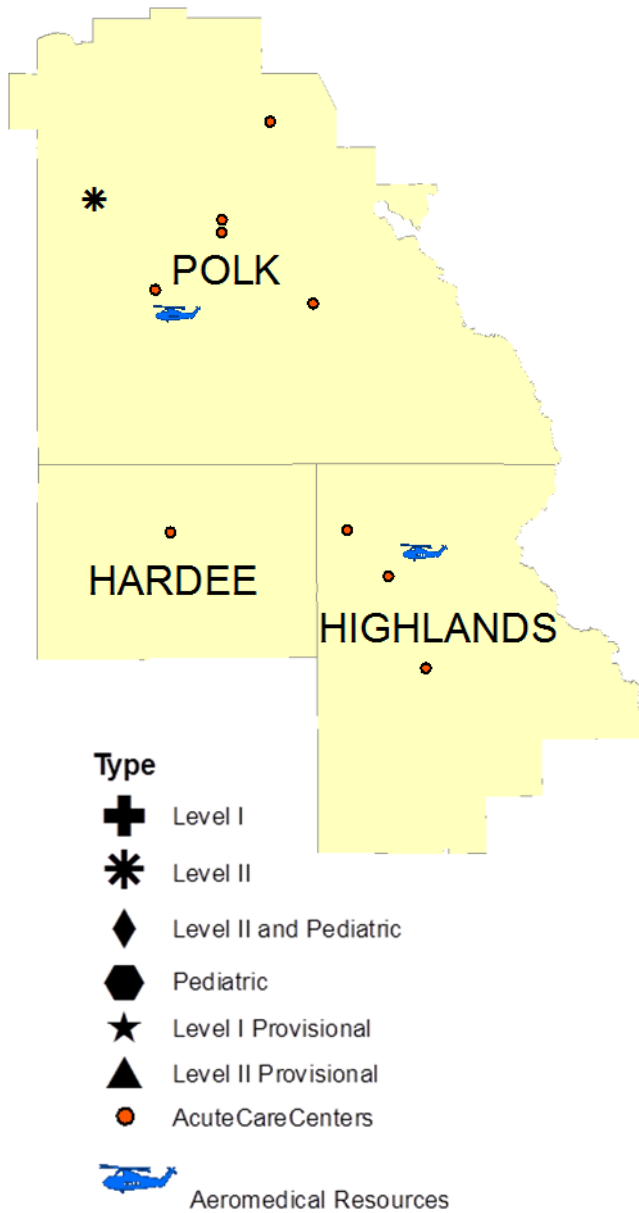
# of Rotor Wing Aircraft	2
# of Permitted EMS Transport Vehicles	193
EMS Ground Vehicle to Population Ratio	1.51:10,000
EMS Ground Vehicle to 100 Square Miles Ratio	18.92:100
Median Transport Time	00:13:00 hh:mm:ss

TSA Trauma System Information

# Verified Level I Trauma Centers	1
# Verified Level II Trauma Centers	1
# of Acute Care Hospitals	12
Statutory Patient Volume	2,000
Annual Trauma Patient Volume Reported by Trauma Centers	4,788
# of Severely Injured Patients	949
Annual # of Severely Injured Patients Discharged From Acute Care Hospitals	160
Annual % of Severely Injured Patients Discharged From Acute Care Hospitals	16.9%

TSA Demographics

Population	1,277,746
Population Density	1,252.43
10 Year Population Growth Rate	27.9%
Median Age	36.4
% Persons 65 & Over	12.4%
% Persons Under 18	23.33%
Total Land Area	1,020 sq Miles



TSA Trauma System Information

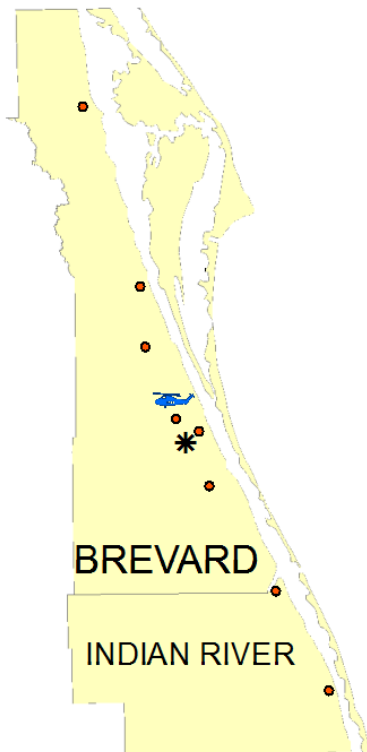
# Verified Level I Trauma Centers	0
# Verified Level II Trauma Centers	1
# of Acute Care Hospitals	10
Statutory Patient Volume	1,000
Annual Trauma Patient Volume Reported by Trauma Centers	1,413
# of Severely Injured Patients	409
Annual # of Severely Injured Patients Discharged From Acute Care Hospitals	103
Annual % of Severely Injured Patients Discharged From Acute Care Hospitals	25.2%

TSA Demographics

Population	741,800
Population Density	214.87
10 Year Population Growth Rate	24.0%
Median Age	46.3
% Persons 65 & Over	20.0%
% Persons Under 18	21.51%
Total Land Area	3,452 sq Miles

TSA Emergency Medical Services

# of Rotor Wing Aircraft	2
# of Permitted EMS Transport Vehicles	83
EMS Ground Vehicle to Population Ratio	1.12:10,000
EMS Ground Vehicle to 100 Square Miles Ratio	2.40:100
Median Transport Time	00:21:00 hh:mm:ss



TSA Emergency Medical Services

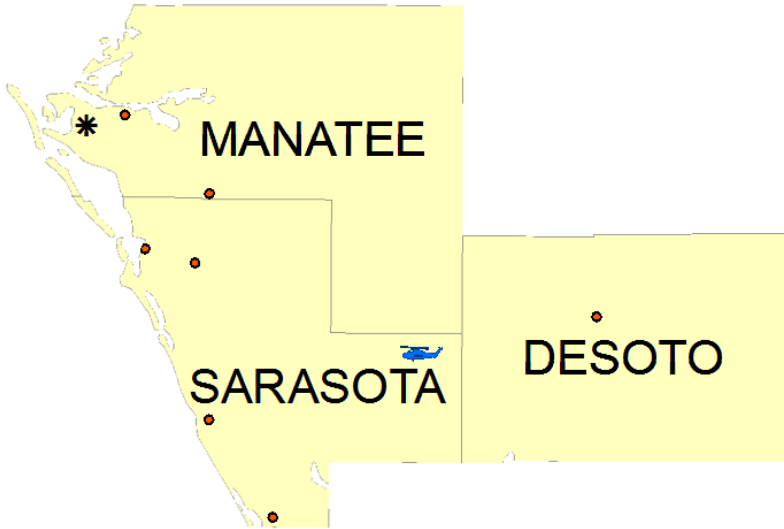
# of Rotor Wing Aircraft	1
# of Permitted EMS Transport Vehicles	67
EMS Ground Vehicle to Population Ratio	0.97:10,000
EMS Ground Vehicle to 100 Square Miles Ratio	4.41:100
Median Transport Time	00:11:00 hh:mm:ss

TSA Trauma System Information

# Verified Level I Trauma Centers	0
# Verified Level II Trauma Centers	1
# of Acute Care Hospitals	9
Statutory Patient Volume	1,000
Annual Trauma Patient Volume Reported by Trauma Centers	1,657
# of Severely Injured Patients	359
Annual # of Severely Injured Patients Discharged From Acute Care Hospitals	137
Annual % of Severely Injured Patients Discharged From Acute Care Hospitals	38.2%

TSA Demographics

Population	687,874
Population Density	452.99
10 Year Population Growth Rate	16.8%
Median Age	48.2
% Persons 65 & Over	23.0%
% Persons Under 18	18.90%
Total Land Area	1,519 sq Miles



Type

- Level I
- Level II
- Level II and Pediatric
- Pediatric
- Level I Provisional
- Level II Provisional
- AcuteCareCenters



Aeromedical Resources

TSA Emergency Medical Services

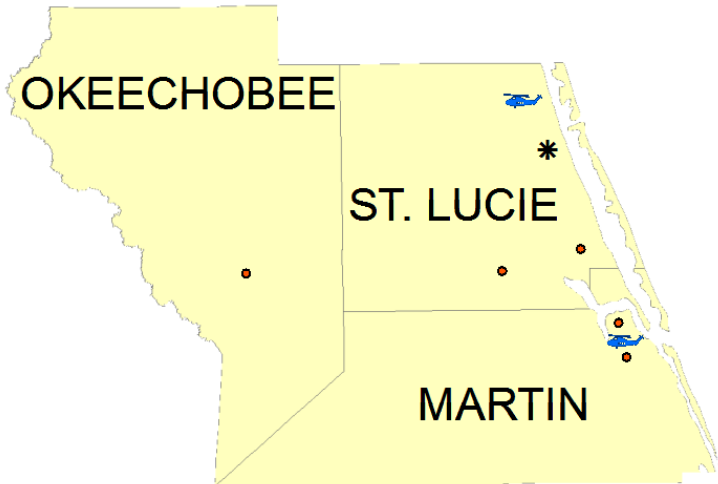
# of Rotor Wing Aircraft	1
# of Permitted EMS Transport Vehicles	77
EMS Ground Vehicle to Population Ratio	1.02:10,000
EMS Ground Vehicle to 100 Square Miles Ratio	3.98:100
Median Transport Time	00:16:00 hh:mm:ss

TSA Trauma System Information

# Verified Level I Trauma Centers	0
# Verified Level II Trauma Centers	1
# of Acute Care Hospitals	8
Statutory Patient Volume	500
Annual Trauma Patient Volume Reported by Trauma Centers	890
# of Severely Injured Patients	458
Annual # of Severely Injured Patients Discharged From Acute Care Hospitals	458
Annual % of Severely Injured Patients Discharged From Acute Care Hospitals	100%

TSA Demographics

Population	754,754
Population Density	389.88
10 Year Population Growth Rate	21.3%
Median Age	49.9
% Persons 65 & Over	27.4%
% Persons Under 18	16.74%
Total Land Area	1,936 sq Miles



- Type**
-  Level I
 -  Level II
 -  Level II and Pediatric
 -  Pediatric
 -  Level I Provisional
 -  Level II Provisional
 -  Acute Care Centers
 -  Aeromedical Resources

TSA Emergency Medical Services

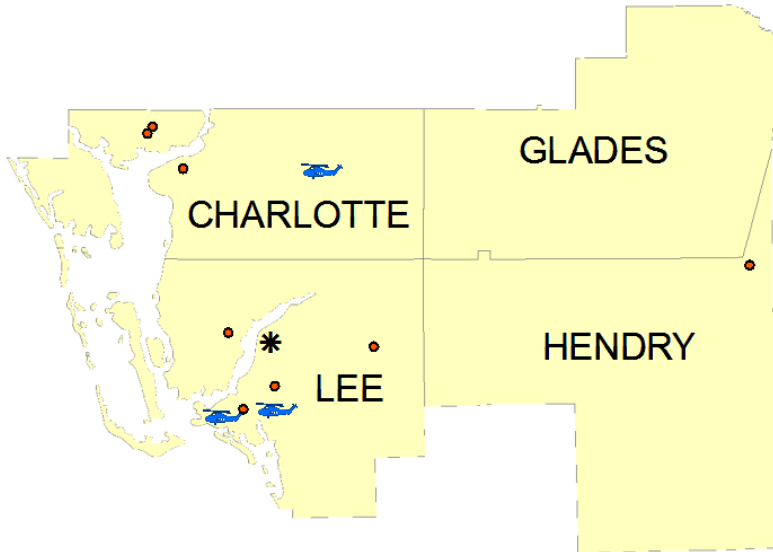
# of Rotor Wing Aircraft	2
# of Permitted EMS Transport Vehicles	79
EMS Ground Vehicle to Population Ratio	1.67:10,000
EMS Ground Vehicle to 100 Square Miles Ratio	4.19:100
Median Transport Time	00:09:00 hh:mm:ss

TSA Trauma System Information

# Verified Level I Trauma Centers	0
# Verified Level II Trauma Centers	1
# of Acute Care Hospitals	6
Statutory Patient Volume	500
Annual Trauma Patient Volume Reported by Trauma Centers	1,174
# of Severely Injured Patients	272
Annual # of Severely Injured Patients Discharged From Acute Care Hospitals	87
Annual % of Severely Injured Patients Discharged From Acute Care Hospitals	32.0%

TSA Demographics

Population	472,150
Population Density	250.57
10 Year Population Growth Rate	32.9%
Median Age	46.7
% Persons 65 & Over	21.9%
% Persons Under 18	18.33%
Total Land Area	1,884 sq Miles



TSA Emergency Medical Services

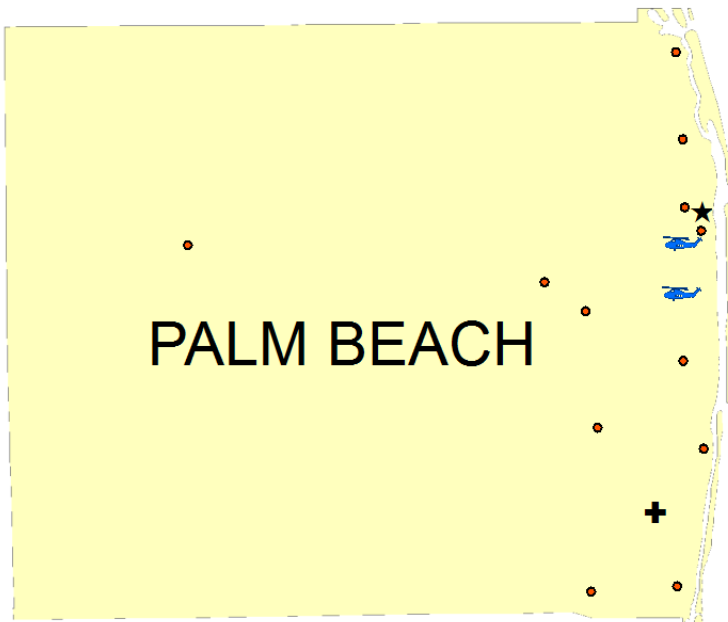
# of Rotor Wing Aircraft	3
# of Permitted EMS Transport Vehicles	118
EMS Ground Vehicle to Population Ratio	1.36:10,000
EMS Ground Vehicle to 100 Square Miles Ratio	3.45:100
Median Transport Time	00:23:00 hh:mm:ss

TSA Trauma System Information

# Verified Level I Trauma Centers	0
# Verified Level II Trauma Centers	1
# of Acute Care Hospitals	9
Statutory Patient Volume	1,000
Annual Trauma Patient Volume Reported by Trauma Centers	2,080
# of Severely Injured Patients	644
Annual # of Severely Injured Patients Discharged From Acute Care Hospitals	190
Annual % of Severely Injured Patients Discharged From Acute Care Hospitals	29.5%

TSA Demographics

Population	858,296
Population Density	250.70
10 Year Population Growth Rate	36.4%
Median Age	56.8
% Persons 65 & Over	25.6%
% Persons Under 18	16.93%
Total Land Area	3,424 sq Miles



PALM BEACH

Type

-  Level I
-  Level II
-  Level II and Pediatric
-  Pediatric
-  Level I Provisional
-  Level II Provisional
-  Acute Care Centers
-  Aeromedical Resources

TSA Emergency Medical Services

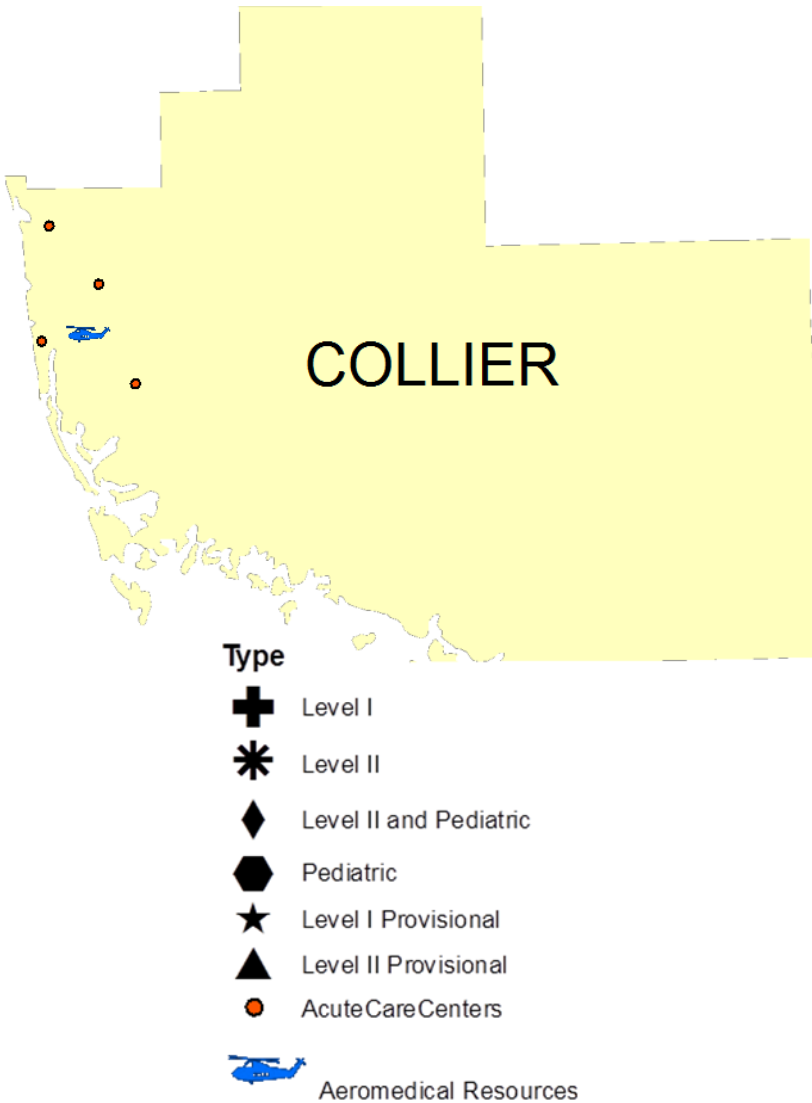
# of Rotor Wing Aircraft	2
# of Permitted EMS Transport Vehicles	204
EMS Ground Vehicle to Population Ratio	1.51:10,000
EMS Ground Vehicle to 100 Square Miles Ratio	10.36:100
Median Transport Time	00:08:00 hh:mm:ss

TSA Trauma System Information

# Verified Level I Trauma Centers	1
# Verified Level II Trauma Centers	1
# of Acute Care Hospitals	14
Statutory Patient Volume	2,000
Annual Trauma Patient Volume Reported by Trauma Centers	3,117
# of Severely Injured Patients	786
Annual # of Severely Injured Patients Discharged From Acute Care Hospitals	238
Annual % of Severely Injured Patients Discharged From Acute Care Hospitals	30.3%

TSA Demographics

Population	1,356,545
Population Density	688.69
10 Year Population Growth Rate	19.9%
Median Age	43.6
% Persons 65 & Over	22.1%
% Persons Under 18	20.10%
Total Land Area	1,970 sq Miles



TSA Trauma System Information

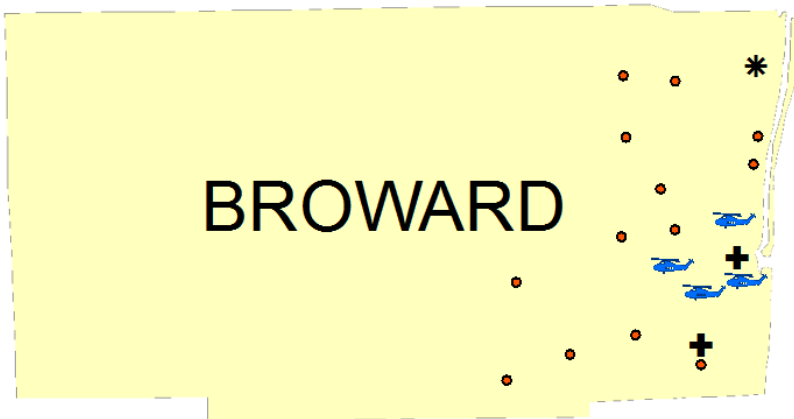
# Verified Level I Trauma Centers	0
# Verified Level II Trauma Centers	0
# of Acute Care Hospitals	4
Statutory Patient Volume	0
Annual Trauma Patient Volume Reported by Trauma Centers	0
# of Severely Injured Patients	154
Annual # of Severely Injured Patients Discharged From Acute Care Hospitals	154
Annual % of Severely Injured Patients Discharged From Acute Care Hospitals	100%

TSA Demographics

Population	332,427
Population Density	166.35
10 Year Population Growth Rate	32.2%
Median Age	48
% Persons 65 & Over	28.1%
% Persons Under 18	19.02%
Total Land Area	1,998 sq Miles

TSA Emergency Medical Services

# of Rotor Wing Aircraft	1
# of Permitted EMS Transport Vehicles	33
EMS Ground Vehicle to Population Ratio	0.98:10,000
EMS Ground Vehicle to 100 Square Miles Ratio	1.65:100
Median Transport Time	00:15:51 <small>hh:mm:ss</small>



- Type**
-  Level I
 -  Level II
 -  Level II and Pediatric
 -  Pediatric
 -  Level I Provisional
 -  Level II Provisional
 -  Acute Care Centers
 -  Aeromedical Resources

TSA Emergency Medical Services

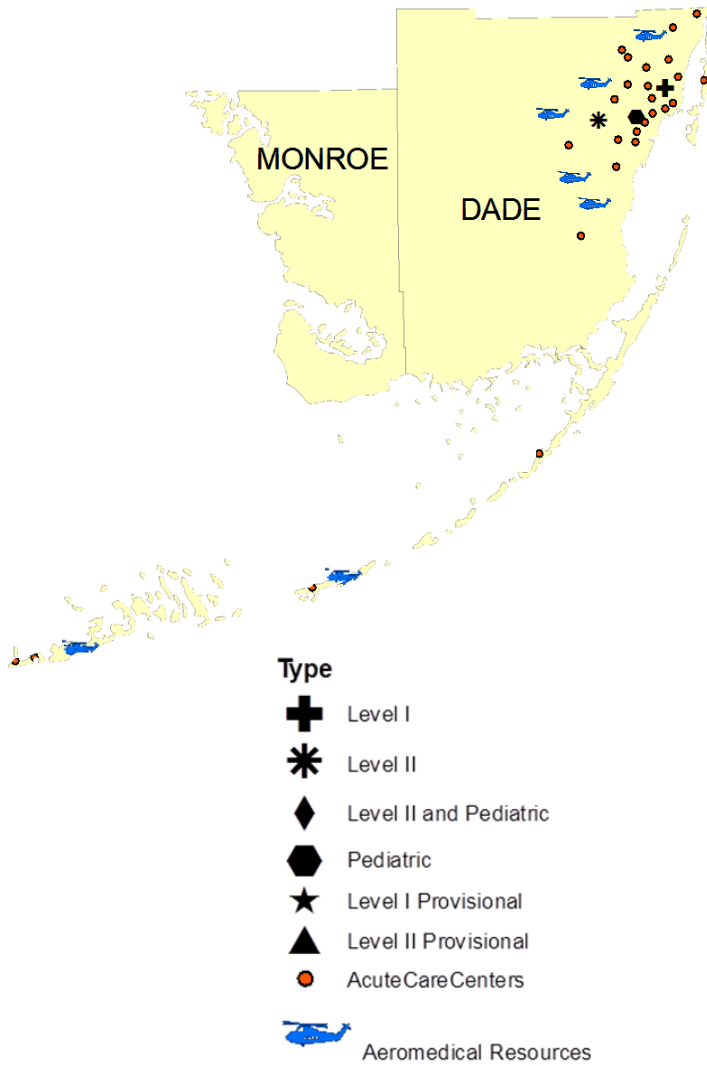
# of Rotor Wing Aircraft	4
# of Permitted EMS Transport Vehicles	277
EMS Ground Vehicle to Population Ratio	1.55:10,000
EMS Ground Vehicle to 100 Square Miles Ratio	22.90:100
Median Transport Time	00:10:00 hh:mm:ss

TSA Trauma System Information

# Verified Level I Trauma Centers	2
# Verified Level II Trauma Centers	1
# of Acute Care Hospitals	16
Statutory Patient Volume	3,000
Annual Trauma Patient Volume Reported by Trauma Centers	5,294
# of Severely Injured Patients	913
Annual # of Severely Injured Patients Discharged From Acute Care Hospitals	273
Annual % of Severely Injured Patients Discharged From Acute Care Hospitals	29.9%

TSA Demographics

Population	1,815,137
Population Density	1,500.37
10 Year Population Growth Rate	11.8%
Median Age	40.0
% Persons 65 & Over	14.6%
% Persons Under 18	21.61%
Total Land Area	1,210 sq Miles



TSA Trauma System Information

# Verified Level I Trauma Centers	1
# Verified Level II Trauma Centers	1
# of Acute Care Hospitals	29
Statutory Patient Volume	2,000
Annual Trauma Patient Volume Reported by Trauma Centers	6,745
# of Severely Injured Patients	1,579
Annual # of Severely Injured Patients Discharged From Acute Care Hospitals	837
Annual % of Severely Injured Patients Discharged From Acute Care Hospitals	53.0%

TSA Demographics

Population	2,665,844
Population Density	925.32
10 Year Population Growth Rate	14.3%
Median Age	42.7
% Persons 65 & Over	14.6%
% Persons Under 18	20.88%
Total Land Area	2,881 sq Miles

TSA Emergency Medical Services

# of Rotor Wing Aircraft	7
# of Permitted EMS Transport Vehicles	463
EMS Ground Vehicle to Population Ratio	1.75:10,000
EMS Ground Vehicle to 100 Square Miles Ratio	16.07:100
Median Transport Time	00:13:01 hh:mm:ss

Conclusion

Based upon available data and the reliability of the data, the Department has determined that the following criteria should be used to evaluate the number and level of trauma centers needed to serve the population in a defined trauma service area:

1. Population
2. Median Transport Times
3. Community Support
4. Severely Injured Patients Discharged From Acute Care Hospitals
5. The Existence of A Level I Trauma Center
6. Number of Severely Injured Patients