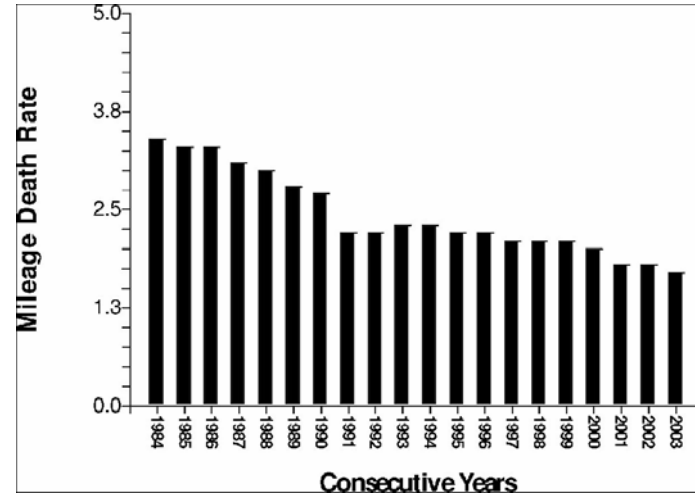


Access to Trauma Care

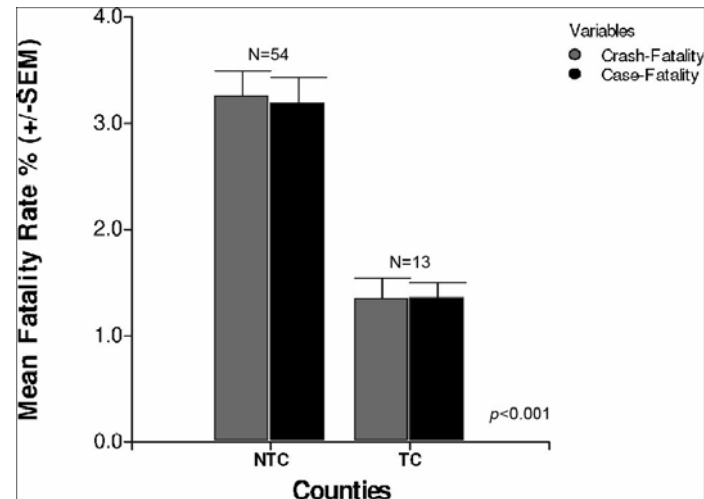
Prevention of traumatic injuries and provision of trauma care are essential to reducing the Trauma mortality rate. Public health agencies must facilitate the development and operation of a coordinated system of trauma care involving EMS, approved trauma centers, other acute care hospitals, and rehabilitation centers.

Why is this Important?

- Traumatic injuries from motor vehicle crashes are the #1 killer of Florida residents ages 5-34 every year (CDC WISQARS).
- Optimal outcomes of care for traumatically injured patients require timely access to definitive trauma care within 1 hour of injury – the “Golden Hour.”
- Only those hospitals meeting the standards of the American College of Surgeons may be designated as trauma centers approved to provide trauma care in Florida.
- Presence of a trauma center has been associated with a lower motor vehicle crash injury mortality rate (Papa *et al.*, 2006).
- At more than 20 years old, Florida’s trauma system is considered mature, but has never had a durable source of funding (Durham *et al.*, 2006).



Mileage death rate per million miles driven in the state of Florida, 1984-2003. The mileage death rate dropped sharply in 1991 after passage of the Roy E. Campbell Trauma Act in 1990 established an organized trauma system in Florida. From Papa *et al.* (2006).



Comparison of mean case-fatality and crash-fatality rates between nontrauma center counties (NTC) and trauma center counties (TC) in Florida, 2003. Trauma center counties are associated with lower mean fatality rates. From Papa *et al.* (2006).

Access to Trauma Care, cont'd

How is Florida Doing?

- Currently, Florida has a total of 21 trauma centers verified by the Florida Department of Health, Office of Trauma as meeting American College of Surgeons standards: 7 Level I trauma centers, 12 Level II trauma centers, and 2 pediatric referral trauma centers.
- Total trauma volume in Florida grew by an average of 8.7% every year from 2002 through 2006. The average 4.9% trauma mortality rate in Florida from 2002 through 2006 is somewhat higher than the U.S. trauma mortality rate of 4.4% from 2001 through 2005 (National Trauma Data Bank).

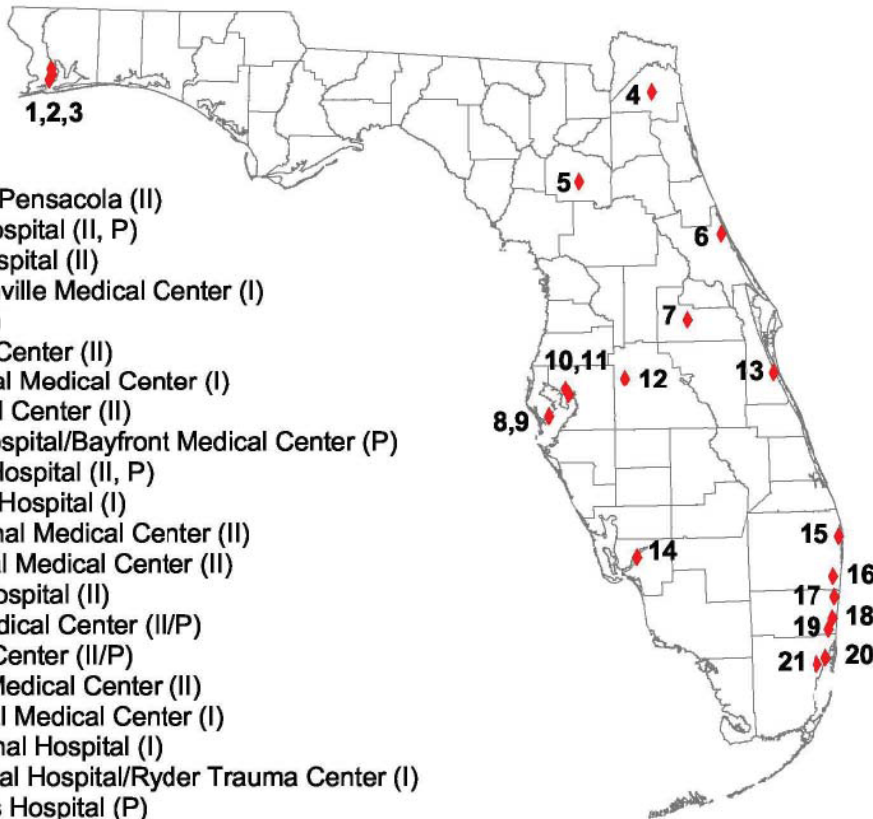
Trauma Patient Indicator	2002	2003	2004	2005	2006
Total Trauma Volume (FL)	29,478	31,794	34,878	38,744	41,144
Trauma Mortality Rate (FL)	4.7%	4.7%	4.8%	4.8%	5.5%
Trauma Mortality Rate (US)	4.4% (2001-2005 combined)				N/A

- About 95.7% of Florida's population are within 85 minutes total evacuation time to a trauma center for initiation of definitive trauma care within the "Golden Hour" (Papa *et al.*, 2006; Durham *et al.*, 2006). Currently, there is a major gap in trauma center coverage in North Florida between Pensacola and Jacksonville, delaying access to definitive trauma care for traumatically injured patients in this region.
- About 38.3% of "true trauma" patients were treated in Florida's trauma centers in 2003 (Durham *et al.*, 2006). This triage rate of trauma patients who are appropriately transported to and treated in Florida's trauma centers is dependent on the number of approved trauma centers in the state.



Access to Trauma Care, cont'd

FLORIDA TRAUMA CENTERS



1. Baptist Hospital Pensacola (II)
2. Sacred Heart Hospital (II, P)
3. West Florida Hospital (II)
4. Shands Jacksonville Medical Center (I)
5. Shands at UF (I)
6. Halifax Medical Center (II)
7. Orlando Regional Medical Center (I)
8. Bayfront Medical Center (II)
9. All Children's Hospital/Bayfront Medical Center (P)
10. Saint Joseph's Hospital (II, P)
11. Tampa General Hospital (I)
12. Lakeland Regional Medical Center (II)
13. Holmes Regional Medical Center (II)
14. Lee Memorial Hospital (II)
15. Saint Mary's Medical Center (II/P)
16. Delray Medical Center (II/P)
17. North Broward Medical Center (II)
18. Broward General Medical Center (I)
19. Memorial Regional Hospital (I)
20. Jackson Memorial Hospital/Ryder Trauma Center (I)
21. Miami Children's Hospital (P)

I - Level One
 II - Level Two
 P - Pediatric

Florida Trauma System Initiatives

Red Light Running Fines: In 2005, the Florida Legislature passed House Bills 497 and 1697 that provides funding for trauma centers from red light running fines.

Comprehensive Assessment of the Florida Trauma System: Researchers contracted by DOH completed a comprehensive assessment of the Florida Trauma System in 2005. Among the recommendations: Setting a system goal that 65% of trauma patients will be treated at a trauma center, and establishing trauma centers in Tallahassee and Bay County. The addition of these trauma centers would increase access to definitive trauma care within the Golden Hour to 99% of Florida's population.

State Trauma System Plan 2005–2010: DOH published the current 5-year State Trauma System Plan in December 2005. Nine goals are identified to further develop the Florida Trauma System. Progress on each of these goals is evaluated both quarterly and annually.

doh.state.fl.us/demo/trauma/index.html