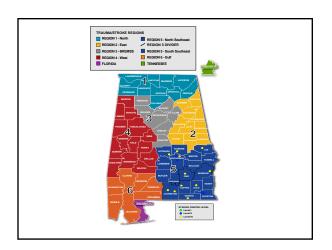
Statewide Trauma and Health Systems Training

Satellite Conference and Live Webcast Monday, June 27, 2013 10:00 – 12:00 p.m. Central Time

Produced by the Alabama Department of Public Health Video Communications and Distance Learning Division

Building a Statewide Stroke System in Alabama

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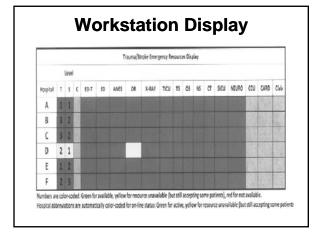
Goals

- Primary Goal: To get lytic eligible patients with ischemic stroke to a center that can and will safely administer TPA when appropriate
- Secondary Goal: Facilitate transfers of stroke patients (both ischemic and hemorrhagic) when needed

Ground Rules

- Voluntary for hospitals, mandatory for EMS
- Patients identified by FAST Scale with allowance for EMSP Discretion
- Patient choice may override system
 IF patient is "competent to decide"
- Hospitals self-report availability in real time (red / yellow / green)





Alabama Trauma Communications Center

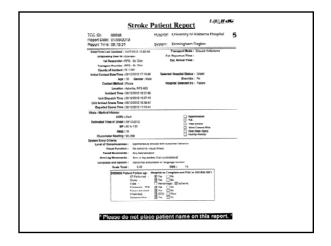


Stroke vs. Trauma

- Both are "Time Dependent"
- Most smaller hospitals <u>don't</u> have resources to treat trauma
- Most smaller hospitals <u>do</u> have the resources to evaluate and begin thrombolytic treatment of stroke

Data Collection

- Paper form received by FAX in ED
- Paper form returned by FAX/email to communications center
- Patients identified by unique system generated number NO NAMES



Who is Entered into the Stroke System?

- Patients with positive FAST screen or EMSP discretion = any acute neuro deficit that cannot otherwise be explained
- The patient is then routed to the nearest appropriate stoke system hospital

What About Patients that don't come by EMS?

- They can be entered into the system by the Emergency Department staff
- Hospitals not participating in the stroke system can transfer patients with criteria for stroke by simply calling the ATCC

Three Level System

- Level 3: Acute Stroke Ready Hospital
- Level 2: Primary Stroke Center
- Level 1: Comprehensive Stroke Center

Regional Comparison

	BREMSS	Southeast
Population	217 persons/sq mile	80 persons/sq mile
Design	Single tier with neurologist readily available	3-tiered with lower levels utilizing phone/telemed
Triage tool	Cincinnati stroke scale +EMS discretion	Cincinnati stroke scale +EMS discretion
Communication	ATCC	ATCC
Stroke Hospitals	11	15 (4 Level II, 11 Level III)

Outcomes - 8/1/2012-5/3/2016

	BREMSS	Southeast
Patients	6345	5580
Data Reports	4987 (78.5%)	4325 (77.5%)
Accuracy	2301 (46%)	1676 (39%)
Hemorrhagic	508 (22%)	389 (23%)
Ischemic	1713	1235
TPA	322 (18.7%)	217 (17.6%)
Adverse Events	0	0
Admitted	4206 (84%)	3388 (78%)

QA/QI

- Voluntary participation in GWTG
- Mandatory 95% compliance for ATCC data reports
- Fax the report back to the ATCC within 48 hours
- The information is then entered into Lifetrac by the ATCC

Cost

- Central Communications Center
- Computer Workstation in Each Hospital
- ADPH Staff
- Regional Staff
- Site Visits/Travel
- NO \$\$ to hospitals
- NO \$\$ for robust data system such as GWTG

Current Challenges

- Telemedicine vs Telephone: limited availability of neurologists and limited access to telemedicie
- Some ED physicians still resistant to giving TPA
- Keep the neurosurgeons happy don't abuse them!
- Statewide implementation

Pitfalls to Watch For

- Be inclusive in planning
- Consequences for Noncompliance
- Don't skimp on education
- Face time and relationships are priceless