

Emergency Health Sciences



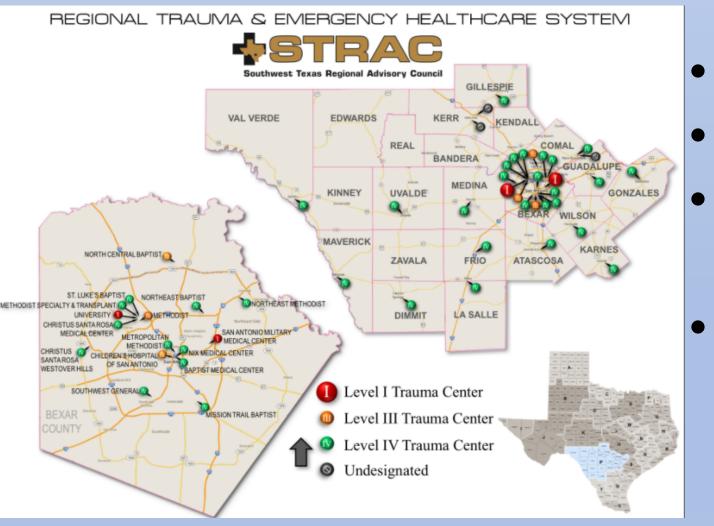
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# Background

- More than 60 percent of the country's trauma deaths occur in rural areas
- Rural Trauma Team Development Course (RTTDO emphasizes a team approach to the care of the patient
- The course includes:
  - Medical procedure education
  - **Communication strategies**
  - Team performance scenarios

#### Figure 1. Map of STRAC Region



### MEDCOM

Single point of access Auto Accept policy Specific Trauma Alert Activation Criteria 30 minute minimum activation guideline

## Study Goal

This study compared patient transfer times prior to deployment of the RTTDC course and 12 months after each RTTDC course was presented at the rural facilities.

# Rural Trauma Team Development Course Significantly Reduced

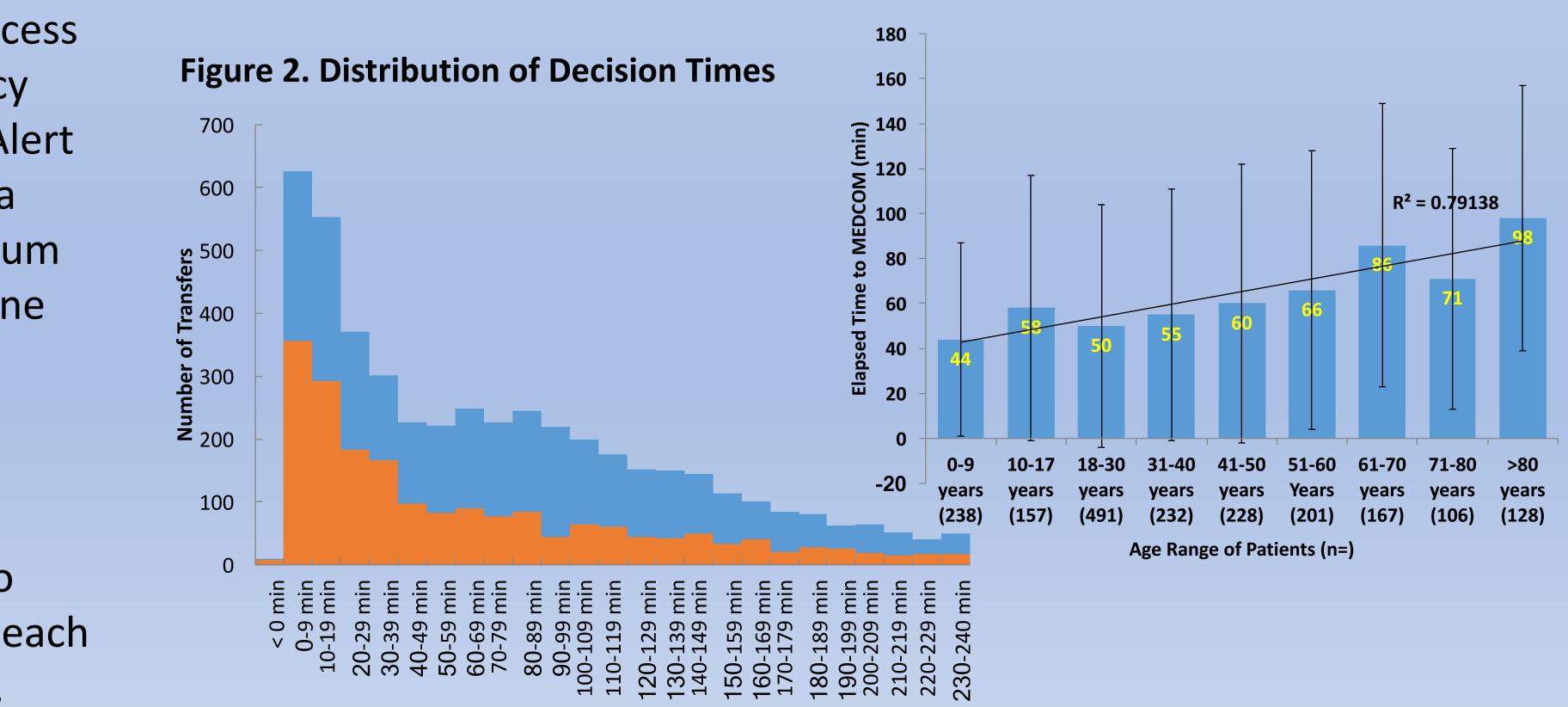
# Decision Time to Transfer Serious Trauma

# Methods

leaths	•	MEDCOM Database Query of all trauma
C) trauma		Level 1 Trauma facilities
	•	Time period: 1/1/2012 – 3/21/2016
	•	Descriptive statistics to describe time el
		compare the means

## Results

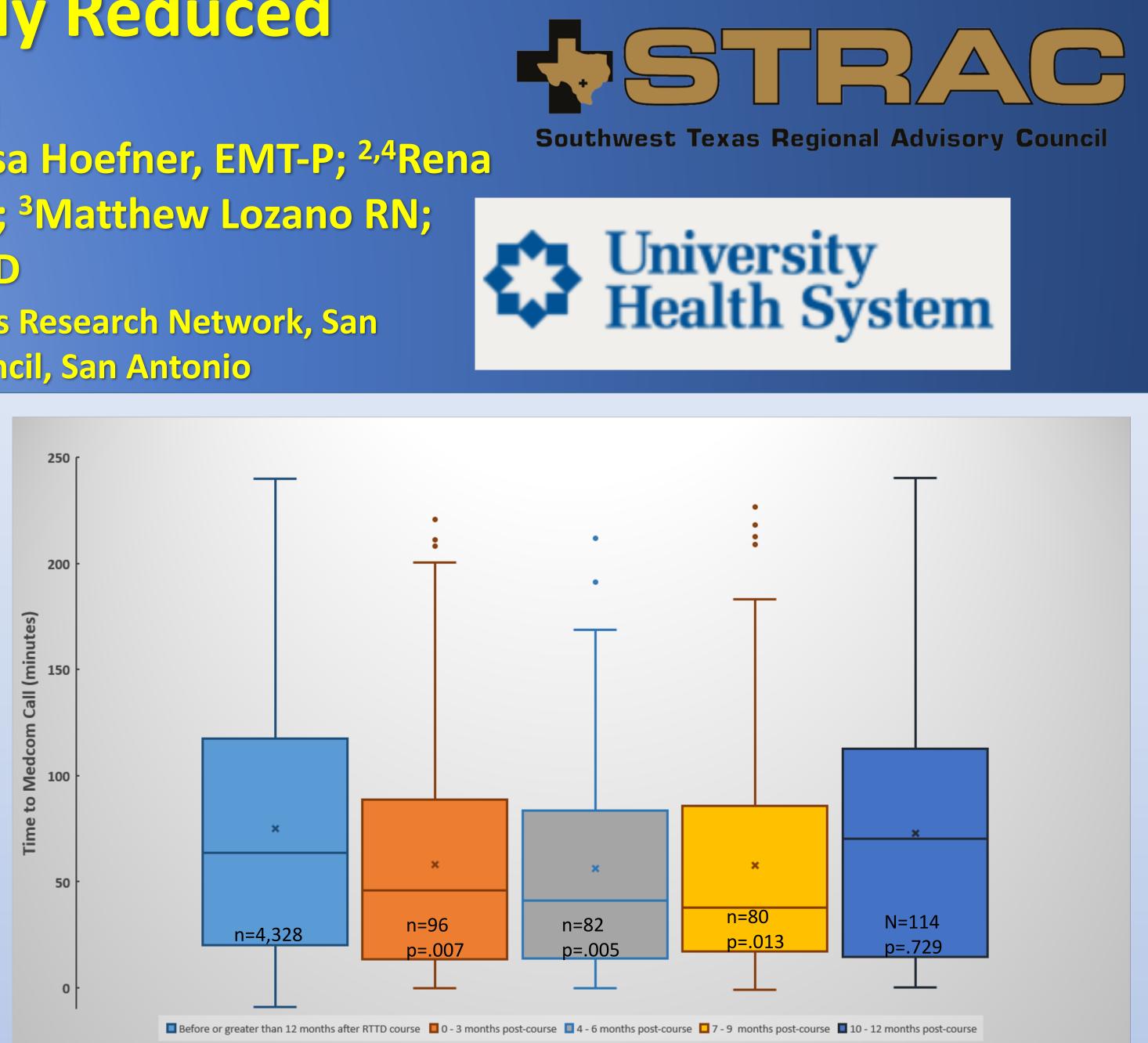
- 4700 patient transfers were included in the analysis
- 40 referring facilities included
- 16 RTTDC Courses provided



#### a transfers from Level 4 to

lements; t-test used to

#### Figure 3. Time to call MEDCOM as a function of patient age



# arrival to call to MEDCOM

The RTTDC course had a significant immediate reduction in the time to decide to transport all trauma victims, and the reduction was greater to serious trauma. The decision time improvement diminished faster than we expected.

**Figure 4.** Box and Whisker Plot comparing time elapsed from patient

## Discussion

23% reduction in decision time for all Patients 32% reduction in decision time for serious trauma Reduction in decision time diminished over the following twelve months returning to the pre-course baseline

#### Conclusion