Texas EMS & Trauma Registries

EMS Committee

September 18, 2015

Agenda

- Registries Overview

  - Reporting Rules

  - News

  - Training Updates

- Summary of Data Reported in 2013

- Questions

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Texas EMS & Trauma Registries

- Data Reporting Rules

  ➢ Texas Administrative Code, Title 25, Part 1, Chapter 103:

  ➢ EMS Providers are to report all runs within 90 days of date-of-call

  ➢ Required Fields
    - First Name
    - Last Name
    - Run Type (911 or Emergency)
    - County of Occurrence (3 digit county code)

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Texas EMS & Trauma Registries: News

- State has adopted the national standard for EMS & Hospitals
    - National EMS Information System (NEMSIS)
    - State is NEMSIS V3.3.4 Certified as of July 8, 2015
    - Anticipate accepting XML file uploads as of September 29, 2015
    - Will continue to accept Legacy (.txt) format until
    December 31, 2016
- New Registries User Guide Available
    - http://www.dshs.state.tx.us/injury/default.shtm
- Affidavits for EMS runs no longer accepted for 2016
    - **REMINDER: County of Occurrence cannot be blank**

4

Texas EMS & Trauma Registries: Training

Webinars
(http://www.dshs.state.tx.us/injury/MonthlyUpdates.shtm)

> ➢June 10, 2015 – Hospital Web-Data Entry Training

> ➢June 24, 2015 – EMS Web-Data Entry Training

> ➢July 10, 2015 – Submersion/ISS Calculator Training

> ➢July 15, 2015 – Question/Answer/Feedback Session

> ➢July 21, 2015 – LTAC/Rehab Web-Data Entry Training

> ➢August 12, 2015 – Account Manager Training

> ➢September 16, 2015 – NEMSIS/NTDB Release Update

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Texas EMS & Trauma Registries: Training

- **Upcoming webinars**:

- 9/30 - NEMSIS Training

- 10/1 – NTDB Training

- 10/7 – ISS Calculator

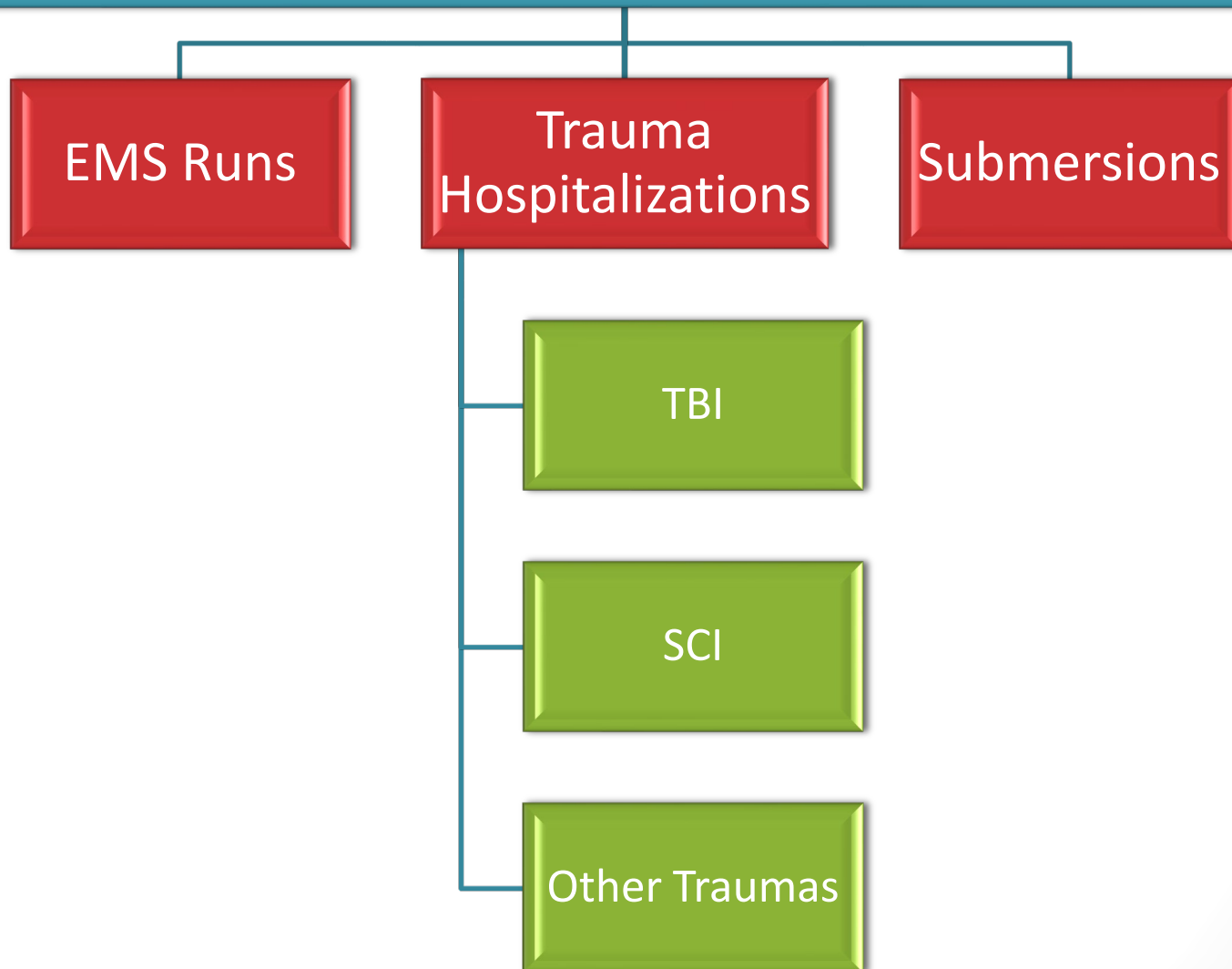- 10/21 – Open Session (Questions/Answers/Feedback)

*Dates are subject to change

Texas EMS & Trauma Registries:

Summary of Data Reported in 2013

Nina Leung, PhD, Epidemiologist

State EMS & Trauma Registries

EMS Runs

Trauma Hospitalizations

Submersions

TBI

SCI

Other Traumas

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State EMS & Trauma Registries

Records Received, 2013		
	State	TSA-Q
EMS Runs	2,645,187	612,188 (23.1%)
Trauma Hospitalizations	129,778	23,884 (18.4%)
Submersions	437	44 (10.1%)

9

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EMS Runs

- There were a total of **2,645,187** EMS runs reported in 2013
  - **612,188** reports from EMS providers in TSA-Q

10

Call Type

Call Type	State	%	TSA-Q	%
Medical	1,332,283	50%	167,584	27%
Trauma	351,566	13%	43,589	7%
Medical/Trauma	46,811	2%	3,933	1%

Not Applicable & Not Recorded totaled 65% of EMS runs in TSA-Q.
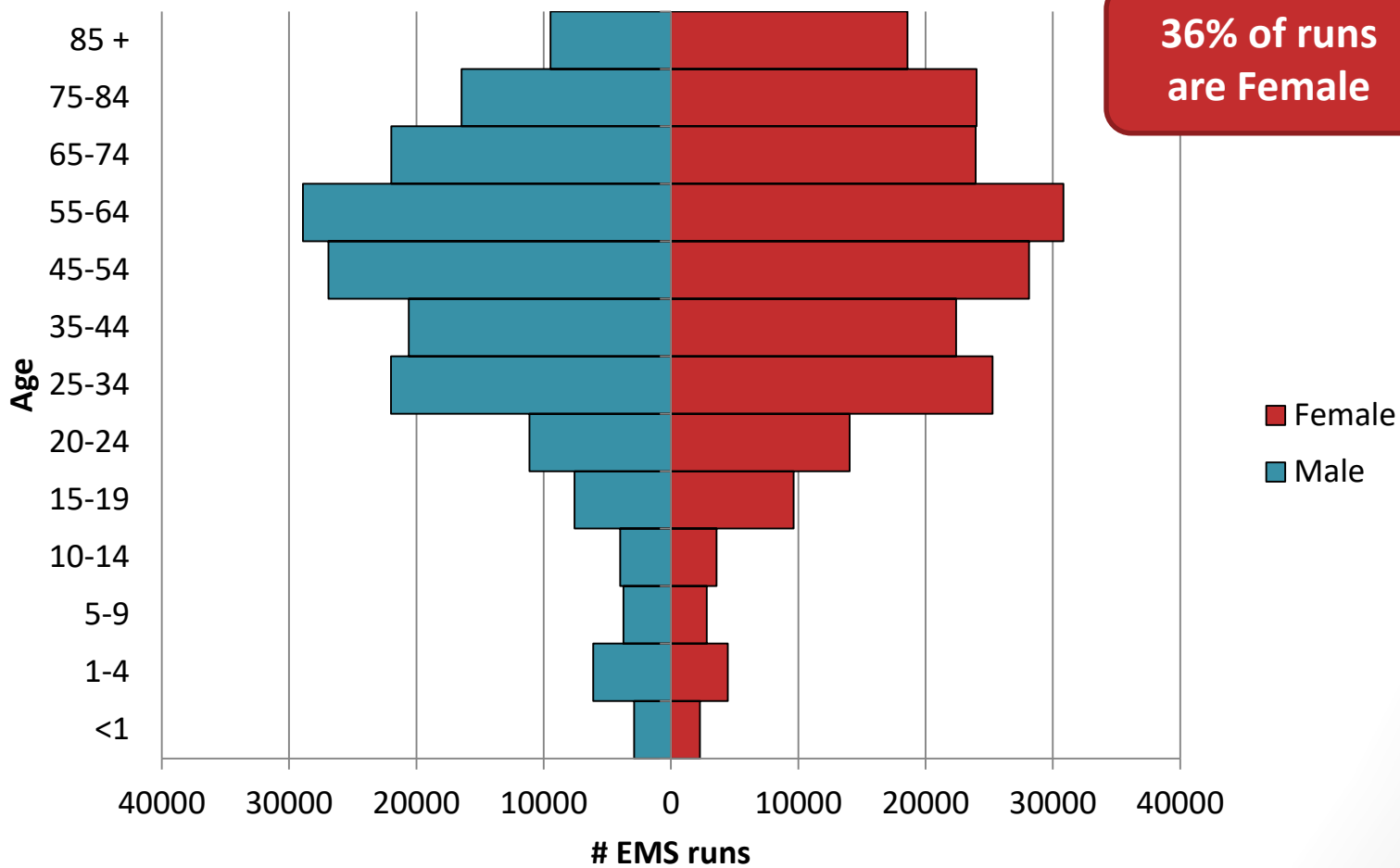Not Applicable & Not Recorded totaled 35% of EMS runs in State.

11

Data Quality

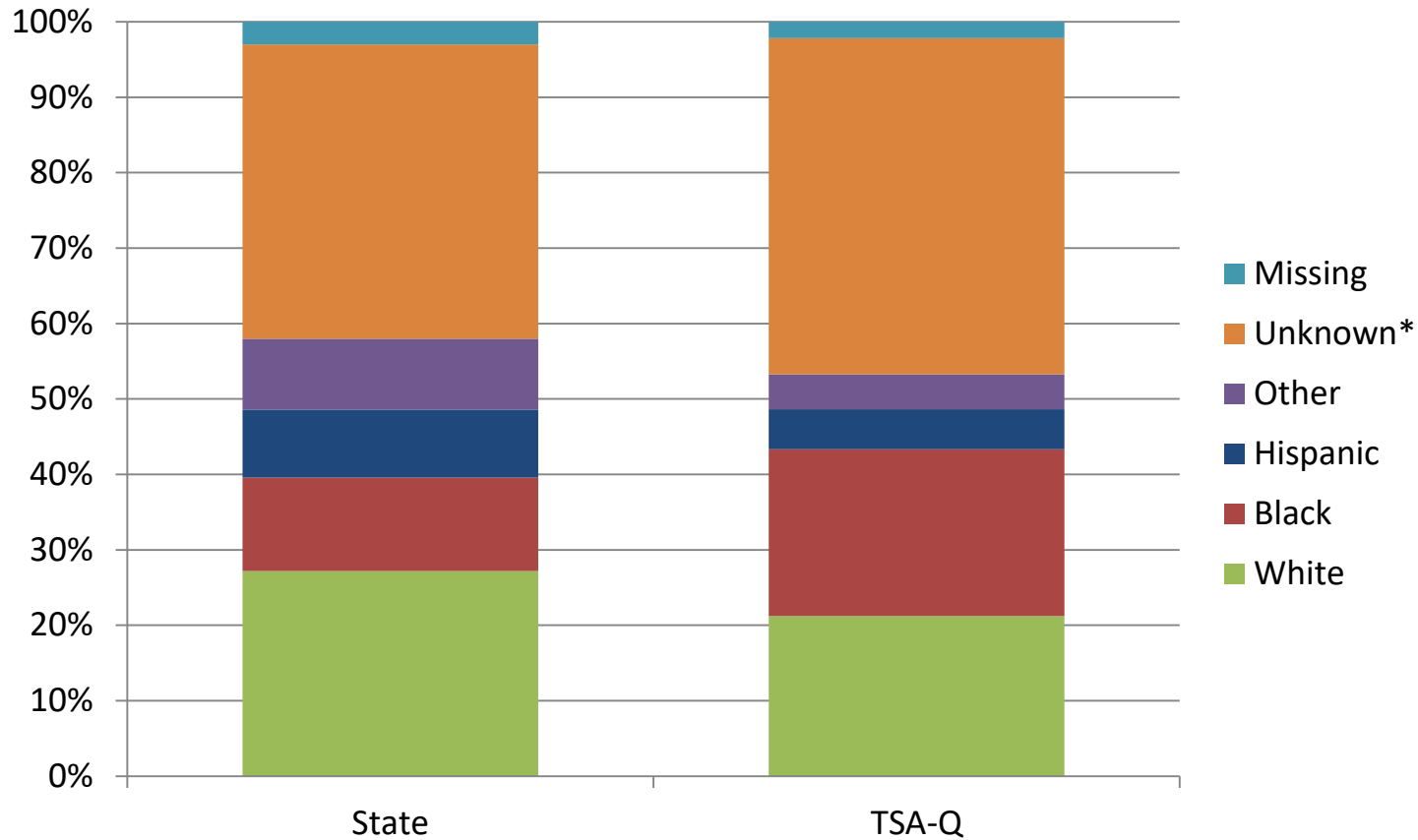**TSA-Q EMS 2013 Data Completeness* (N=612,188)**

Indicator	% Complete
Race	98%
Call Type	100%
Call Time	35%
Unit Arrived on Scene Time	89%
Unit Left Scene Time	71%
Patient arrived at Destination Time	47%
Incident Patient Disposition	100%
Incident Date	37%
Incident County	32%

*Completeness= proportion of records with valid entry

12

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EMS Runs by Age and Sex, TSA-Q 2013 (n=612,188)

36% of runs are Female

Chart: # EMS runs by Age and Sex

Age categories (y-axis): 85 +, 75-84, 65-74, 55-64, 45-54, 35-44, 25-34, 20-24, 15-19, 10-14, 5-9, 1-4, <1

X-axis: # EMS runs (40000, 30000, 20000, 10000, 0, 10000, 20000, 30000, 40000)

Legend: Female, Male

13

EMS Runs by Race and Ethnicity, 2013

Legend:
- Missing
- Unknown*
- Other
- Hispanic
- Black
- White

*Includes null values (Not Recorded, Not Applicable)

14

Cause of Injury

Top 5 Causes of Injury, 2013						
Rank	**State**	**#**	**%**	**TSA-Q**	**#**	**%**
1.	Fall	74,027	37%	Motor Vehicle/ Traffic	9,835	45%
2.	Motor Vehicle/ Traffic	73,334	37%	Fall	7,266	34%
3.	Unspecified	16,501	8%	Unspecified	1,172	5%
4.	Other, specified & Classifiable	10,814	5%	Struck by, against	1,090	5%
5.	Struck by, against	6,133	3%	Other, specified & Classifiable	561	3%

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Primary Symptom

Top 5 Primary Symptoms, 2013						
Rank	**State**	**#**	**%**	**TSA-Q**	**#**	**%**
1.	Not Applicable	359,914	28%	Not Applicable	43,070	26%
2.	Other	298,131	23%	Other	39,242	24%
3.	General Weakness	127,724	10%	General Weakness	19,115	12%
4.	Respiratory distress	79,750	6%	Respiratory distress	11,744	7%
5.	Chest pain/discomfort	65,643	5%	Chest pain/discomfort	8,525	5%

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Time of Call
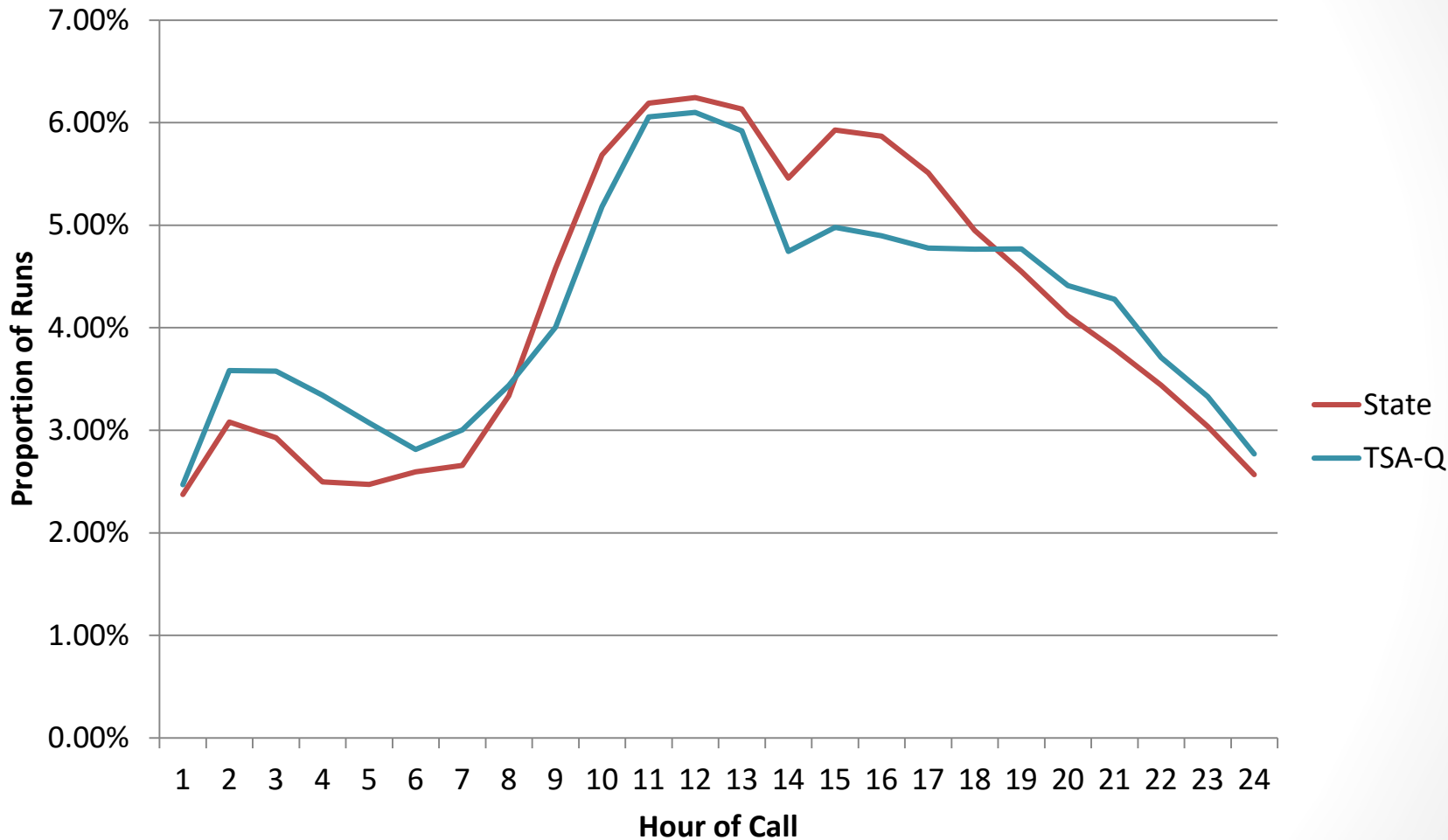
Run Times by Call Type

Median Total Pre-Hospital Time (minutes)		
Call Type	State	TSA-Q
Medical	43	45
Trauma	40	40
Medical/Trauma	53	45
Overall	46	44

18

Submersions

- There were **437** submersions reported to the registry in 2013
  - **44** reports from entities in TSA-Q
    - 30% fatal (n=13)

19

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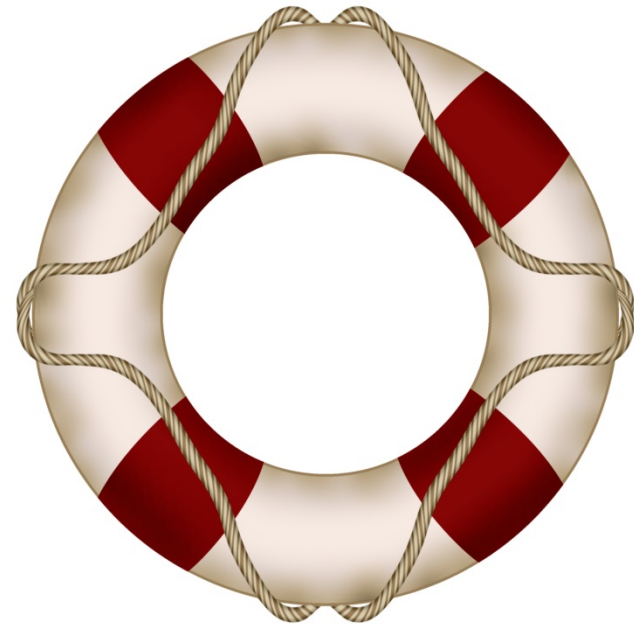
Submersions

Submersion Reporting Entity, TSA-Q	
Type of Entity	# Submersions Reported
Hospital	39
Medical Examiner	1
Justice of the Peace	4
Missing	0
Total	44

Data Quality

TSA-Q Submersion Data Completeness* (n=44)

Indicator	TSA-Q complete
Age	100%
Sex	100%
Race	98%
Ethnicity	86%
Outcome	98%
Scene	100%
Location	89%
Alcohol Use, Adults (n=9)	78%
County	100%
For Children (n=35)	
Child Supervised	97%
Supervisor Age	89%

*Completeness= proportion of records with valid entry

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Age

Drownings by Age, 2013				
Age	State	%	TSA-Q	%
Child (<15)	307	70.25%	35	79.55%
Adult	126	28.83%	9	20.45%
missing/ unknown	4	0.92%	0	0%
Total	437	100%	44	100%

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Drownings by Age and Sex, TSA-Q 2013

57% of drownings were male

Female
Male

Age: 85+, 75-84, 65-74, 55-64, 45-54, 35-44, 25-34, 20-24, 15-19, 10-14, 5-9, 1-4, <1

Drownings: 15, 10, 5, 0, 5, 10, 15

23
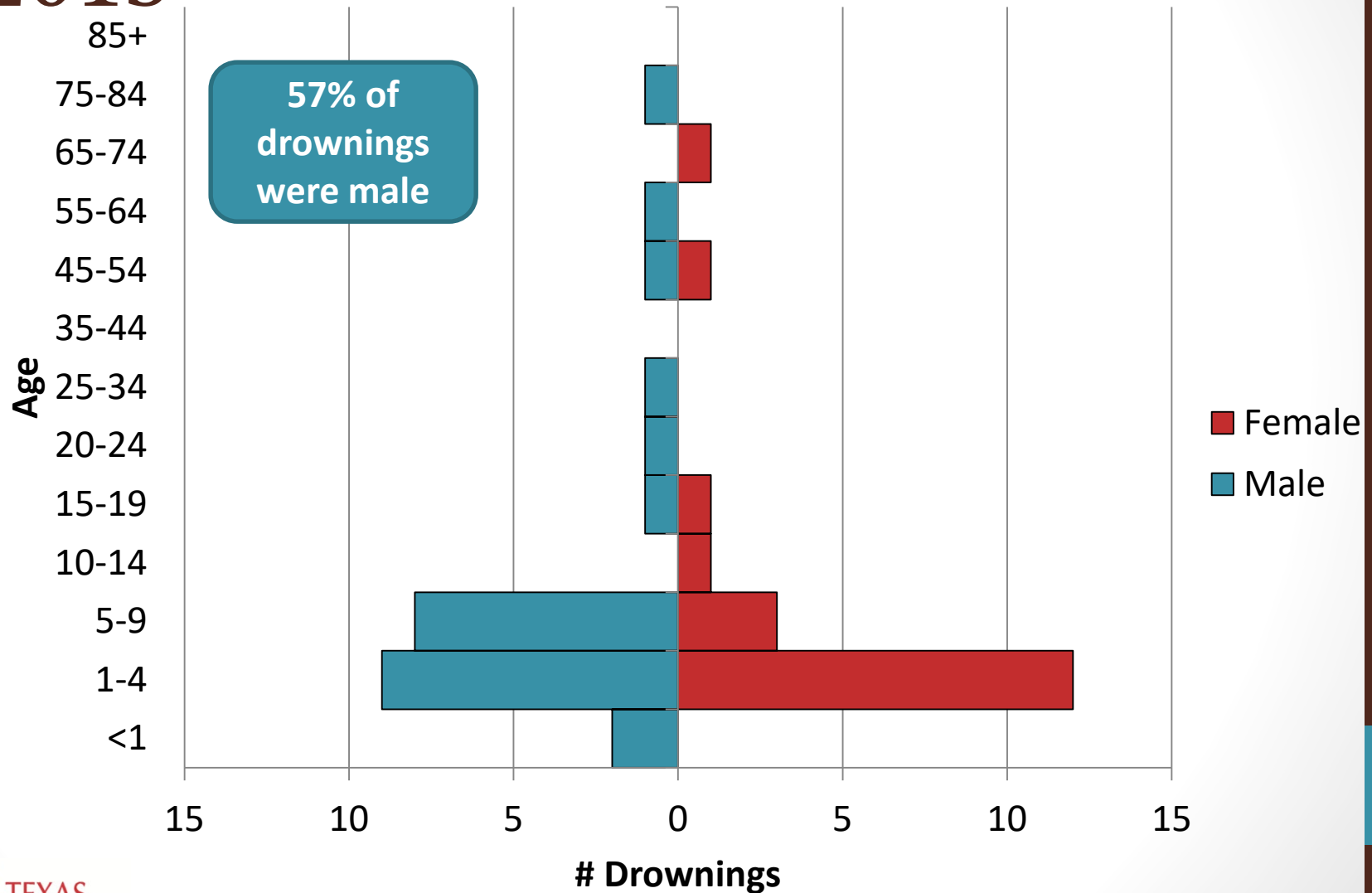
Drownings by Race and Ethnicity, 2013

Legend:
- Missing/ Unknown
- Other
- Black
- White
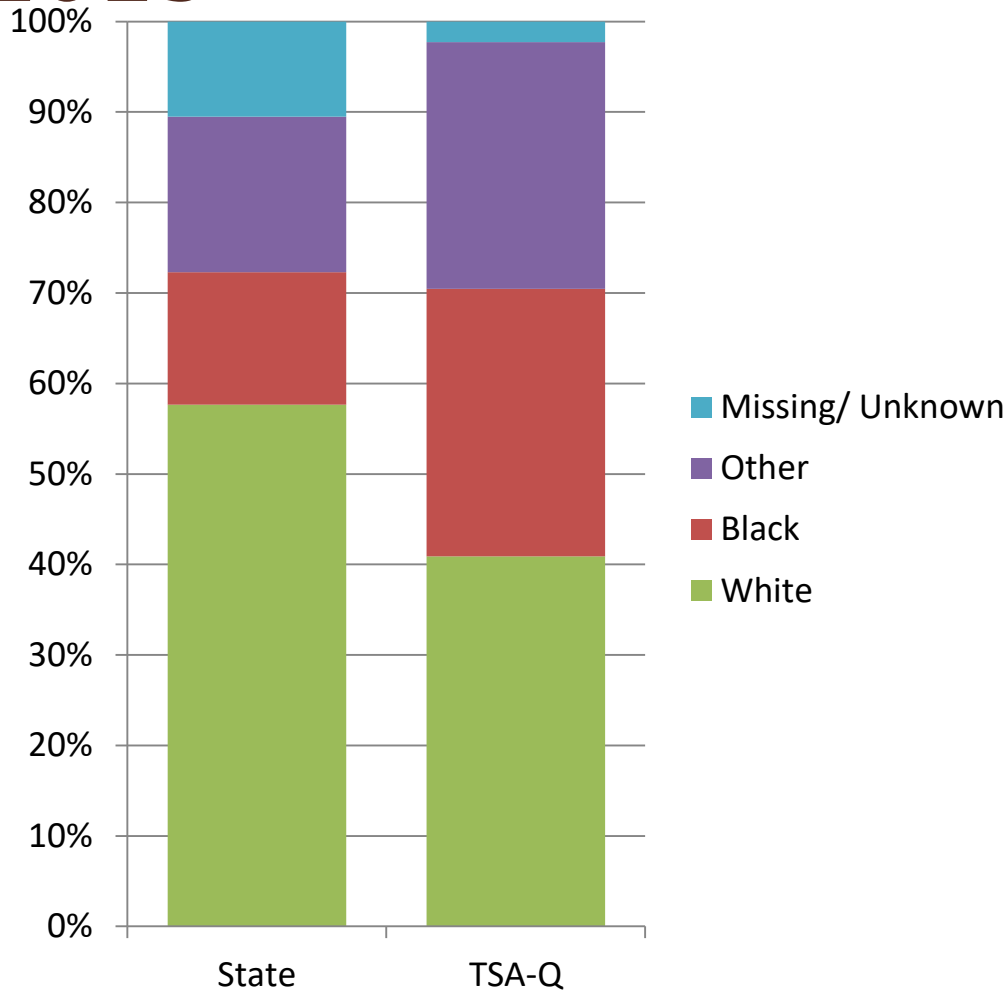
HISPANIC Ethnicity

- **State**: 24.7%
- **TSA-Q**: 20.5%

Drownings by Month of Incident, TSA-Q 2013

66% occurred in June-August

Submersions

25
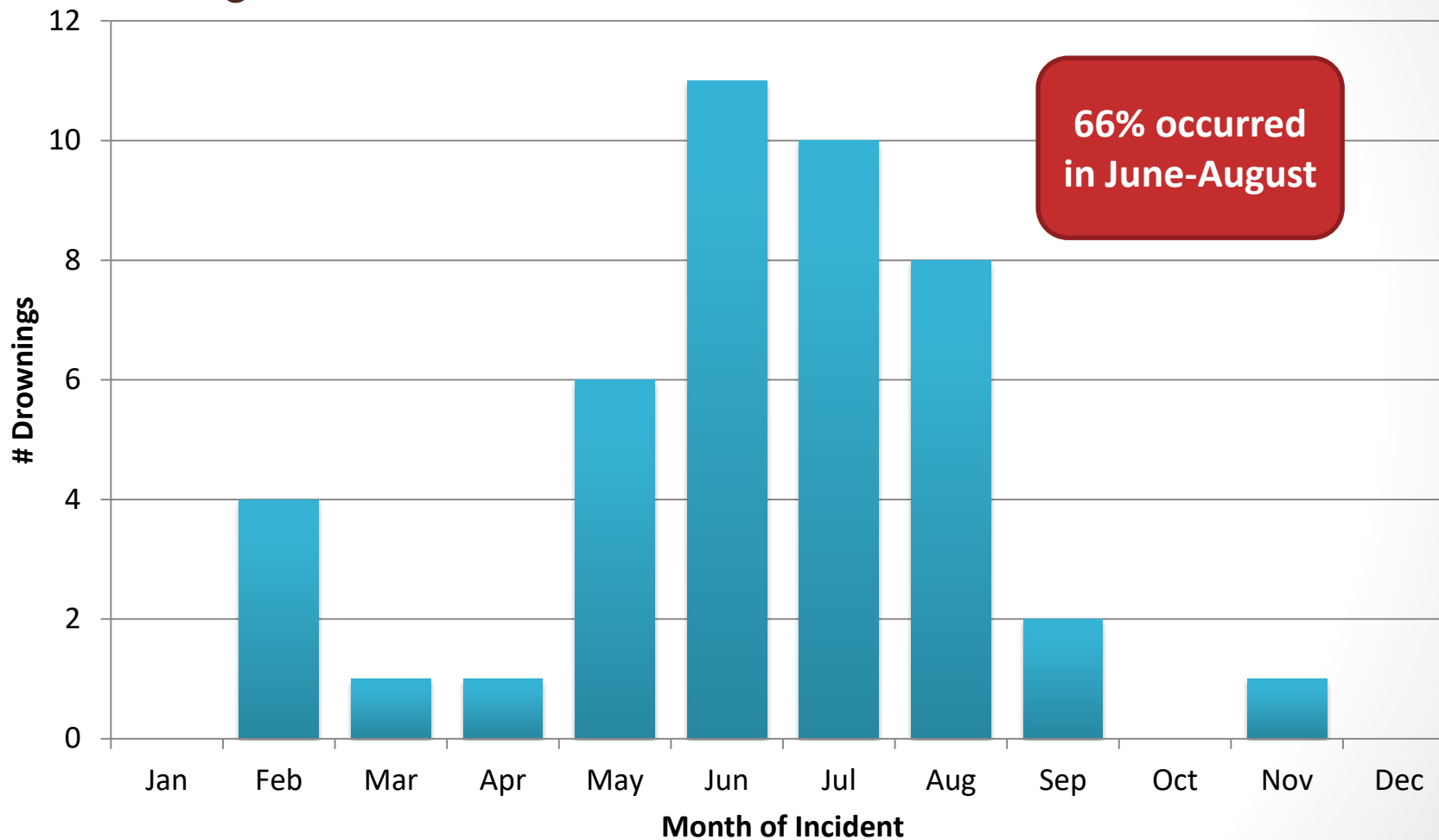
Drownings by Scene of Incident, 2013

Scene	State	%	TSA-Q	%
Pool/ Hot tub	174	39.82%	24	54.55%
Bathtub	30	6.86%	5	11.36%
Natural Body of Water	84	19.22%	5	11.36%
Other	29	6.64%	1	2.27%
Missing/ Unknown	120	27.46%	9	20.45%
Total	437	100%	44	100%

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Registry Operations Support Team (ROS)

Contact Information

<u>Team Members</u>:

Adrian Conder
Tiffany Munoz
Rose Walker
Judy Whitfield
Jeremy Reynolds
Lee VanCleave

Email:
  injury.web@dshs.state.tx.us

Telephone Voice Mail:
  1-800-242-3562

- Please contact us using *only* one of the two methods above.

- The ROS Team will reply to customers within the first business day of the request.

- Please visit the Injury Website: http://www.dshs.state.tx.us/injury/default.shtm

27

Questions

28