TRCC Executive Committee

Meeting Agenda

1:30-3:30 p.m. Tuesday, Jan. 28, 2020 - 118 Riverside, Room 43

1) Call to order and distribution of sign-in sheet

- a) Distribution of sign-in sheet and introductions
- b) Remarks from TRCC Chair, Michael Chacon, P.E., TxDOT-Traffic Safety Div.
 - i) He is attending a conference today
- c) Remarks from Terry Pence, TxDOT-TRF-TS
 - i) Just closed FY19. Submitted annual report to NHTSA. That is currently under review and will be posted online once approved.
 - ii) Just closed FY21 RFP. Great response. All of the proposals are being reviewed and gathering the internal comments. Traffic Records projects will be presented to the TRCC in March. There were seven total proposals. 121 general grants. 170 proposals in STEP, which is an increase and a record.
- d) Remarks from TRCC Moderator, Larry Krantz
 - i) Thank you for being here. Glad to see STEP increasing. Reviewing FY19 data for STEP.
- e) Approval of October 2019 TRCC Meeting Minutes
 - i) Approved.

2) 2018 Suspected Serious Injury Discussion (Hanni and Dao)

- a) See attached power point for Dan Dao's presentation
 - Discussion on why injury severity assigned by officer and medical staff can differ. Several follow up questions for DSHS were proposed which DSHS will pursue.
- b) Larbi's presentation
 - Presented graph showing drop in Texas in 2017 of A crashes. That is the same time of the definition change crash. Trying to figure out if the definition changed is the reason for the drop or if there are other factors.

- ii) Discussion for reasons why. Some think safety improvements (airbags, auto braking, etc.) are having an impact. Looked up data and found possible injury crashes increased. Maybe suspected injury and being reclassified as possible injured?
- iii) Anectodical, officers said they assumed incapacitating meant they couldn't walk away. Led to officers classifying broken legs as incapacitating. Now broken legs are being classified as a B or C injury.
- iv) Tables are in the attachments.

3) FY21 Proposals (Krantz)

a) Covered during opening remarks.

4) Intersection Database Development Subcommittee Update (Graber)

- a) Currently pursuing two simultaneous approaches.
 - i) In the short term, TxDOT has a tool that may allow for the quick creation of a basic inventory.
 - ii) The subcommittee will continue its work advising the long term development of the complete inventory.
- 5) FY20 TRCC Technical Assistance Overview Performance Measures and Strategic Plan Update (Graber)
 - a) TRCC member will be contacted over the next few months to develop performance measures and update the strategic plan.
- 6) TRCC Strategic Vision Discussion (Graber)
 - a) Rob what are the TRCC goals. What are our vision.
 - b) Larbi Everyone is striving towards vision zero. With that in mind the TRCC is about data linkages to achieve that goal.
 - c) Larbi a good start would be injury severity would be determined by medical field not LE. Would need to be a timely linkage.
 - d) Tullos Would need to have a hierarchy b/c the LE maybe the only people on the scene for non and possible injury. If there was an EMS run then the medical field takes priority.
 - e) Dan TRCC website with basic stats.

- f) Tullos TRCC allows multiple perspectives to answer questions, such as Dan and Larbi's presentation.
- g) Rob TRCC allows you work with multiple partners to identify trends. Are trends regional or statewide?
- h) Tullos Another TRCC role can be to reduce duplicative effort.
- i) Taylor Linking people. Helps bring different perspectives so you can look at the problem differently. Who has data that is not in the room that we can use.
- j) Dan Would like to know what others are thinking about as far as what is coming up, important trends, etc. since DSHS only sees the health side.
- k) Larry Can't just be great ideas, has to be able to be implemented. TRCC should figure out what needs to be recommended to reduce crashes.
- Tullos External partners such as the vehicle manufactures are important to be included.
- 7) HSOC Update Tullos
 - a) Working with TxDOT on crash analytics
 - b) Getting an increase in requests for data products for LE around the state.
 - c) Interactive ArcGIS STEP maps has been rolled out.
 - d) Added a layer to their TxMap that has all rail crossing locations, including emergency contact numbers for each crossing and unique identifiers for each crossing.

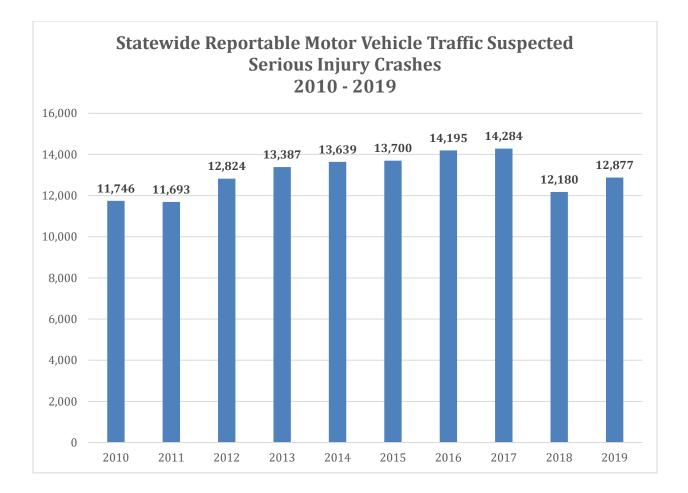
8) Adjourn

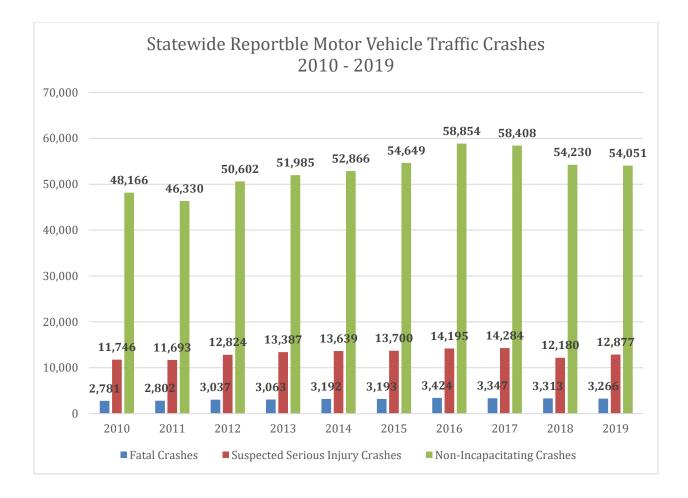
a) Next TRCC Meeting is 1:30 p.m. Tuesday, March 31, 2020

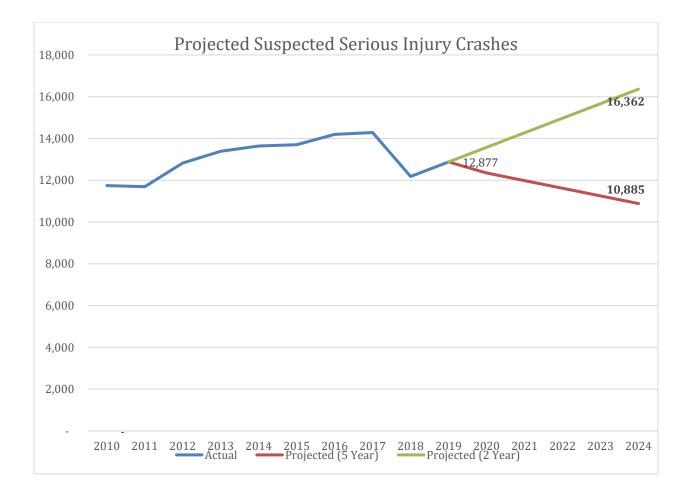
Larbi's Presentation Charts and Graphs

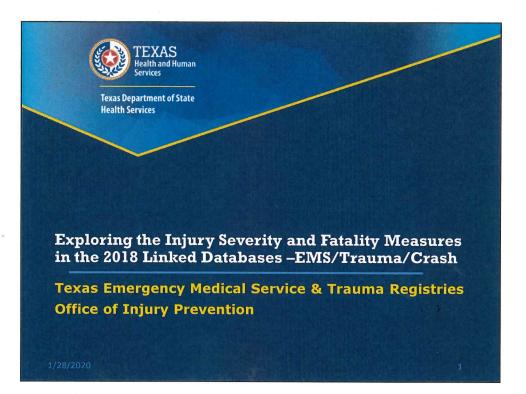
Statewide 2010 - 2020 Year to Date						
Crash Year	Fatal Crashes	Suspected Serious Injury Crashes	Non-Incapacitating Injury Crashes	Total Crashes		
2010	2,781	11,746	48,166	392,047		
2011	2,802	11,693	46,330	384,427		
2012	3,037	12,824	50,602	417,744		
2013	3,063	13,387	51,985	446,093		
2014	3,192	13,639	52,866	477,702		
2015	3,193	13,700	54,649	522,743		
2016	3,424	14,195	58,854	553,333		
2017	3,347	14,284	58,408	538,796		
2018	3,313	12,180	54,230	544,546		
2019	3,266	12,877	54,051	559,743		
2020 YTD	116	580	2,572	27,279		

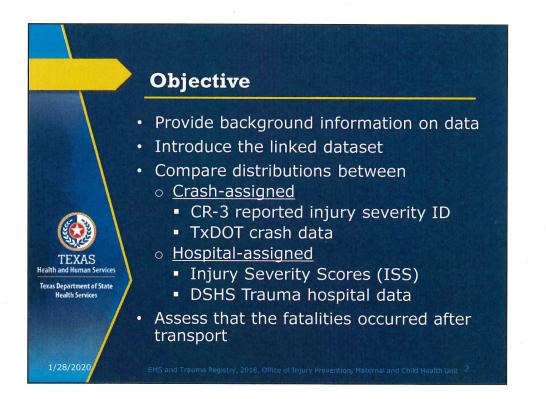
Reportable Motor Vehicle Traffic Crashes











Background – EMS and Trauma Registry Dataset

Emergency Medical Service (EMS) Data, 2018

- Chapter 92 of Health and Safety Code (HSC) states all EMS runs must be reported.
- EMS runs follow National EMS Information System standard:
 - 700+ EMS Agencies report data
 - Data elements:
 - Demographics
 - Procedures
 - Vital signs
 - Run time
 - Transport conditions, etc.

Background – EMS and Trauma Registry Dataset



TEXAS

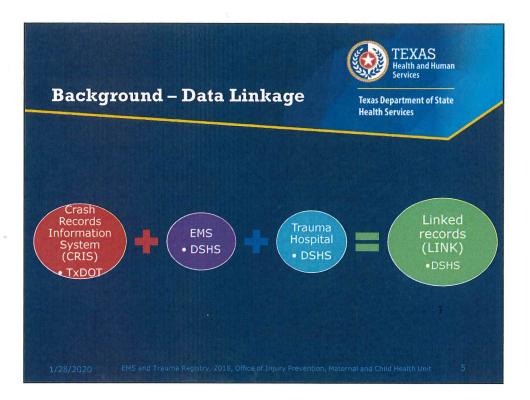
Texas Department of State Health Services

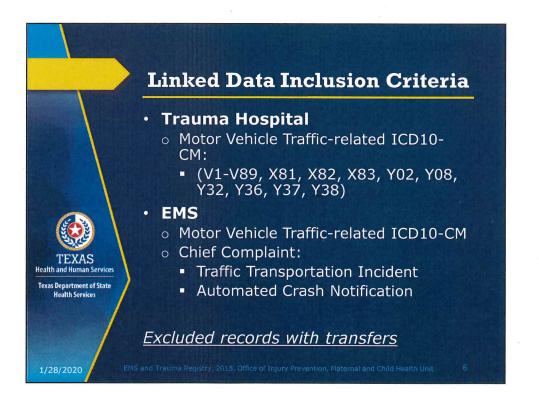
Health and Human

Texas Department of State Health Services

Trauma Hospitalization Data, 2018

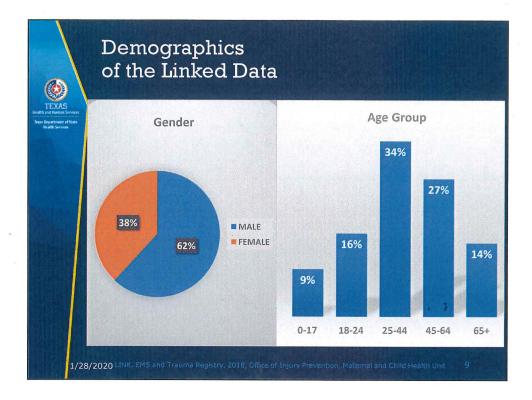
- HSC Chapter 92 states hospitals must report significant trauma injuries.
- Trauma Hospitalizations follow National Trauma Data Bank Standard:
 - 280+ Trauma hospitals
 - Data elements:
 - Demographics
 - Payment type
 - Injury severity and procedures, etc.



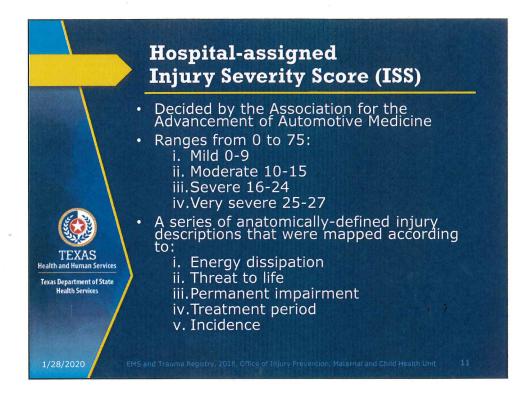


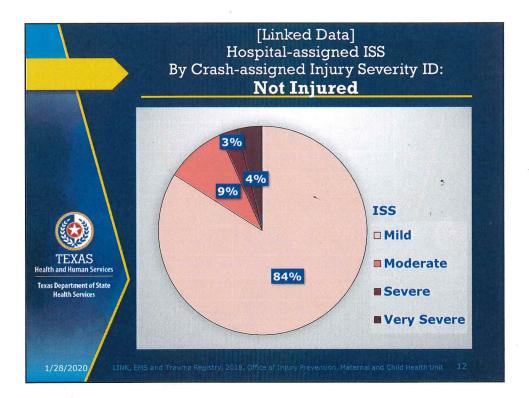
	Probabi	listic Data Linkage
		Matching Variables
EXAS	Crash to Trauma	Birth Date, Incident Date, Last Name, First Name
	Crash to EMS	Birth Date, Incident Date, Last Name, First Name
Ith and Human Services cas Department of State Health Services	Crash to EMS to Trauma	Unique ID (created by concatenating/combining Crash ID, Unit Number, Person Number)

Backgrou	nd – Data	Linkage	Texas Depart Health Servi	partment of State ervices	
Dataset	Original Data (Count)	Transportation related injuries subset (Count)	Linked Pairs (Count)	Linked de-duplicated pairs (Count)	
Crash	1,617,063	1,617,063	-	3	
EMS	3,325,631	208,784	118,029		
Trauma	132,406	24,909	15,283		
Crash to EMS to Trauma	-	-	6,667	5,712	

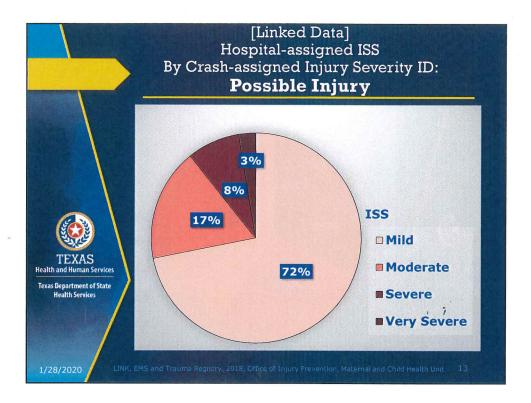


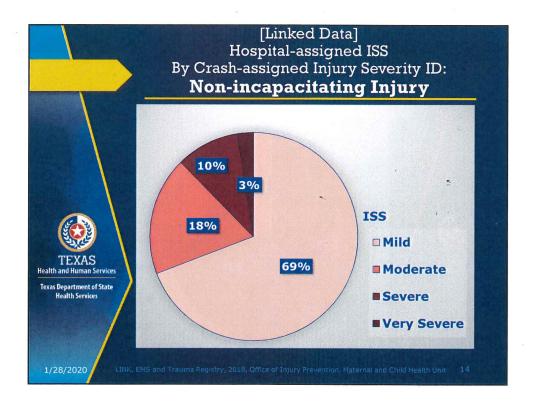
	Original Crash Data (CRIS) vs Linked	Data (LINK)
	Crach assigned	%	
	Crash-assigned Injury Severity ID	Original Crash Data (CRIS)	Linked Data (LINK)
	NOT INJURED	76.1	2.2
	POSSIBLE INJURY	10.2	23.6
	NON-INCAPACITATING INJURY	4.7	31.2
	SUSPECTED SERIOUS INJURY	0.9	37.8
TEXAS alth and Human Services	KILLED	0.2	4.9
cas Department of State Health Services	UNKNOWN	7.9	0.3
	TOTAL	100.0	100.0



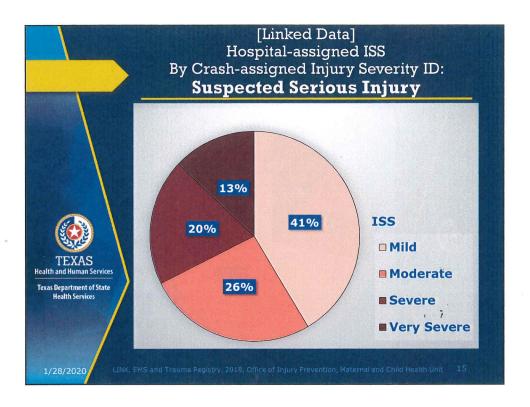


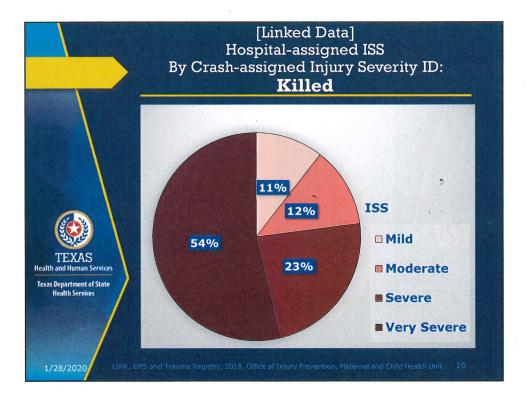
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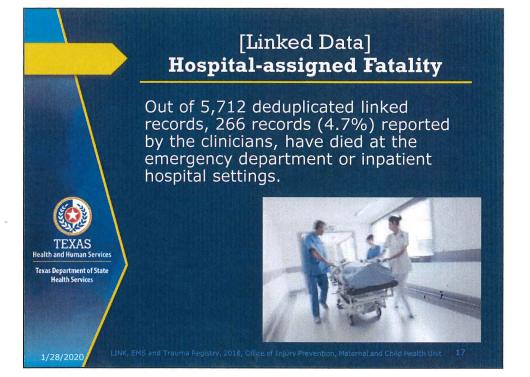


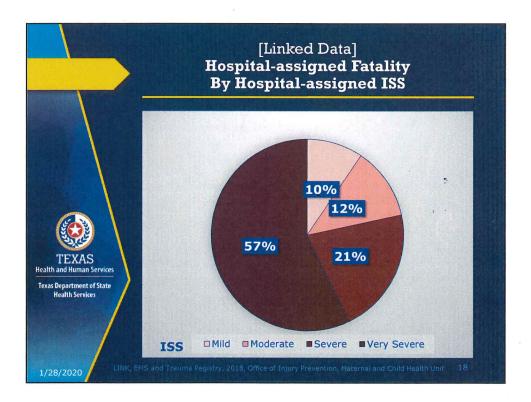


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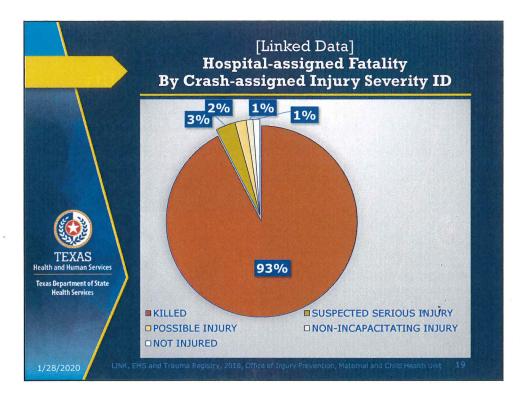


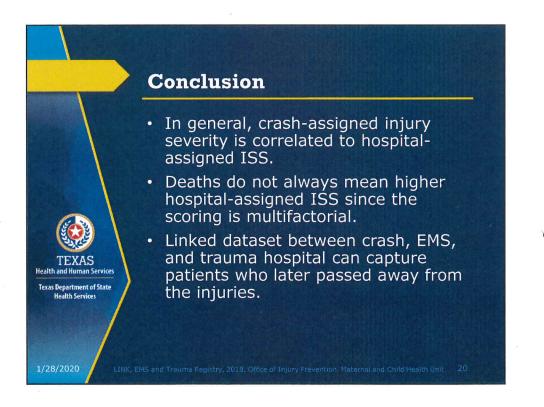






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Limitations: Injury Severity Score Metrics

<u>Crash-assigned</u> <u>Score</u>

• Subjective determination by nonmedical personnel

• Likelihood of classifying severe internal injuries is low

• Developed based on threat to life and survivability, not only incapacitation

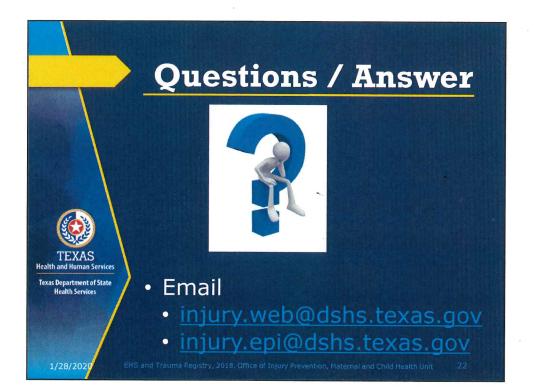
Hospital-assigned ISS

 Unweighted summary measure of single or multiple injuries

• Multiple dimensions of injury considered:

- Likelihood of death;
- Use of hospital resources;Cost of resources/
- treatments;
- Length of recovery;
 Likelihood and extent of disability;
- Impact on quality of life, etc.

1/28/2020



TRCC Sign-In Sheet

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Agency Name Jon Graber (77)1. TEDOT-TPP 2. DAVIDFREIDENFELD Dept. State Health services 3. DAN DAO 4. Terry Pence TXDOT 5. Tim Thompson TE DMU 6. Jodie Tullos TXPPS HSOE DPS 7. Luis Znyus TXDPS-HSOC 8. James Toylor FHWA 9. Ed Burgos 10. LARBI HANNI IXDOI DSHS 11. Haruna Miyakad. DSHI 12. Robert Klein 13. 14. 15. 16. 17. Ex 2 entries Sturdivant-meter 18. NHITSA Ougie Suarez - weber Becky Walker - weber 19. DPS 20. NHITSA

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