

# Texas EMS & Trauma Registries EMS Summary Report – Trauma Runs 2013

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## **Injury Epidemiology & Surveillance Branch**

Environmental & Injury Epidemiology & Toxicology Unit

Environmental Epidemiology and Disease Registries Section

Department of State Health Services



## REPORT NOTE.

The *EMS Summary Report – Trauma Runs 2013* provides a brief overview of selected data elements from EMS runs submitted to the Texas EMS/Trauma Registry. The data represents runs made by EMS providers that were dispatched to, responded to, provided care to, or transported a person **with a call type of Trauma**.

EMS providers are to report all runs to the Texas EMS/Trauma Registry in accordance to Texas Administrative Code, Title 25, Part 1, Chapter 103, Rule § 103.4.

If you have questions regarding this report or would like further information, please contact the Injury Program by phone (1-800-242-3562) or by email ([injury.web@dshs.state.tx.us](mailto:injury.web@dshs.state.tx.us)).

*This report is representative of 2013 EMS runs coded as trauma from the final 2013 EMS dataset.*



# STATE OF TEXAS

## EMS Summary Report – Trauma Runs 2013

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#### EMS Call Characteristics

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# PATIENT CHARACTERISTICS



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## EMS Runs by Age Group and Sex

Age Group	Male	Female
< 1 years	1034	1026
1-4	4538	3449
5-9	4266	3126
10-14	5504	3793
15-19	11,139	9793
20-24	15,084	13,092
25-34	23,696	19,960
35-44	17,343	15,188
45-54	18,086	16,167
55-64	14,649	15,190
65-74	9970	13,796
75+	16,632	34,259
<b>Total</b>	<b>141,941</b>	<b>148,839</b>

Runs which indicated Unknown & Missing totaled 60,786

Figure 1

## EMS Runs by Age Group and Sex

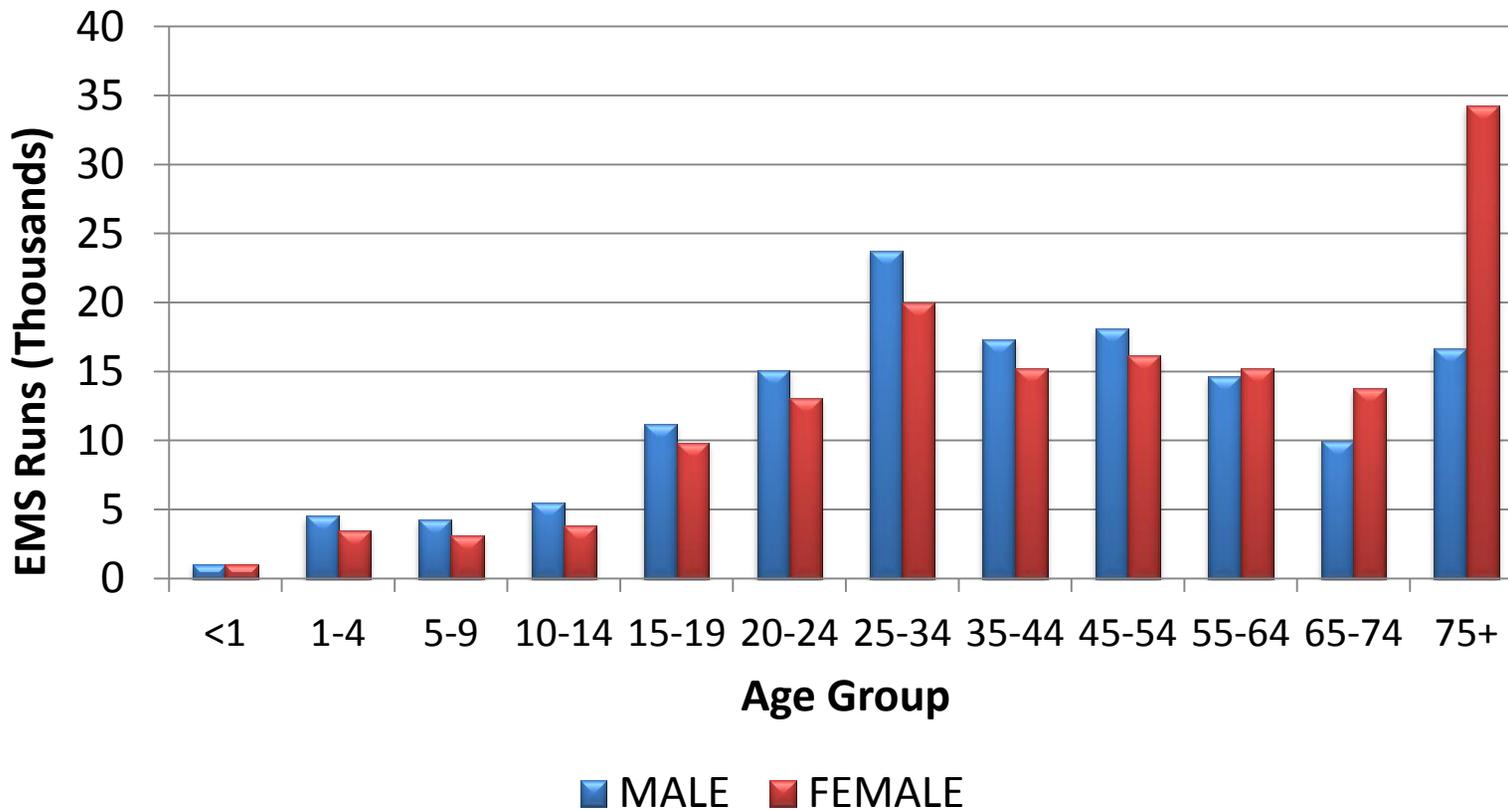


Table  
2

## Location of Patient at Time of Incident

Physical Location	Records	Percent
Unspecified place	142,256	40.5
Street and highway	72,398	20.6
Home	69,240	19.7
Other specified places	54,605	15.5
Public building	7025	2.0
Unknown	6042	1.7
<b>Total</b>	<b>351,566</b>	<b>100</b>

Other specified places includes locations like Place for recreation & sport, Industrial place & premises, Residential institution, Farm, Mine & quarry.

Figure 2

## Location of Patient at Time of Incident

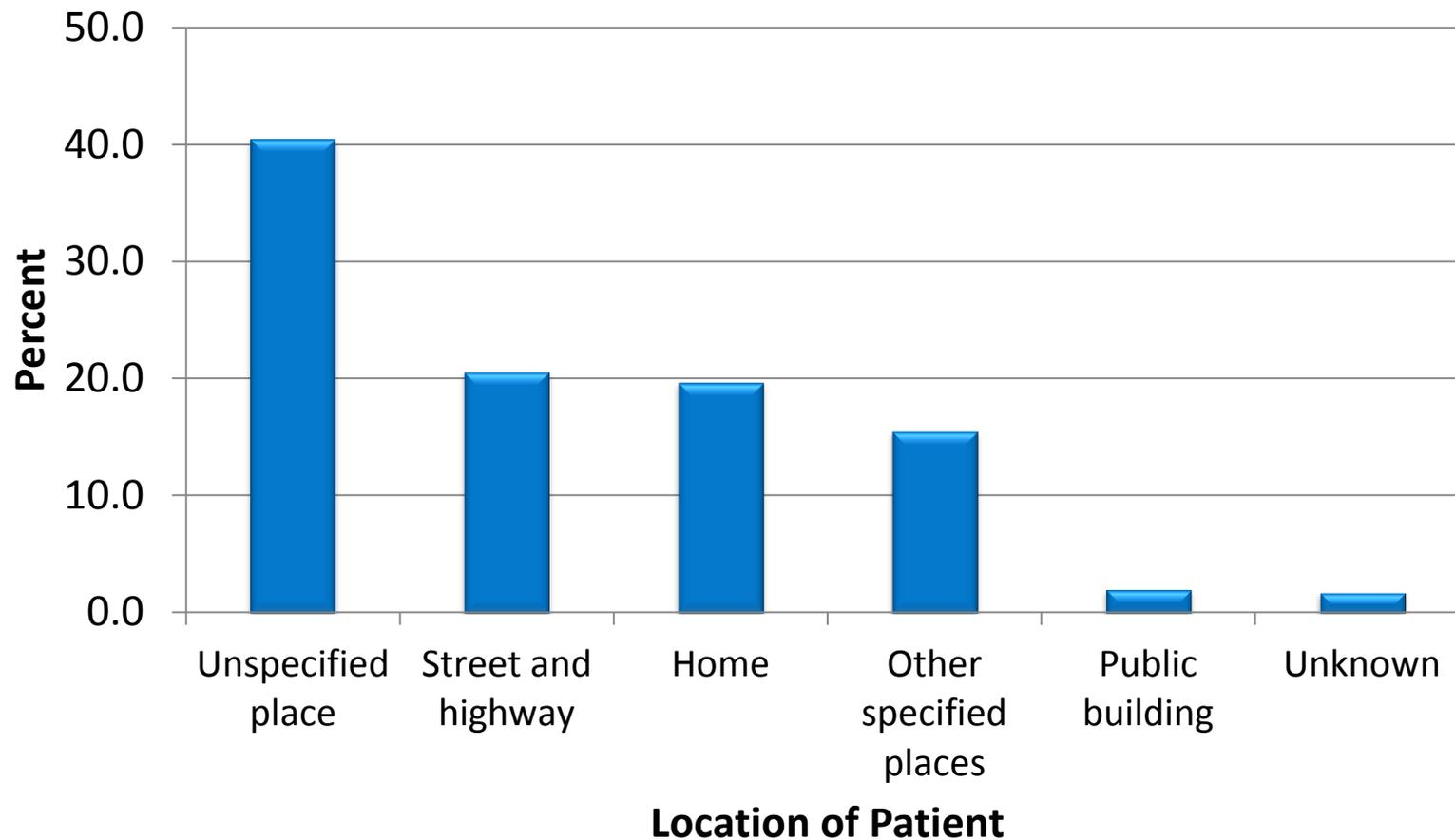


Table  
3

## Chief Complaint Anatomical Location

Anatomical Location	Records	Percent
Head	76,372	54.9
Extremity – lower	19,103	13.7
Extremity – upper	15,477	11.1
Neck	12,549	9.0
Chest	5751	4.1
Other	9801	7.0
Total	139,053	100

Runs which indicated Not Applicable, Not Recorded  
& Missing totaled 212,513

Figure 3

## Chief Complaint Anatomical Location

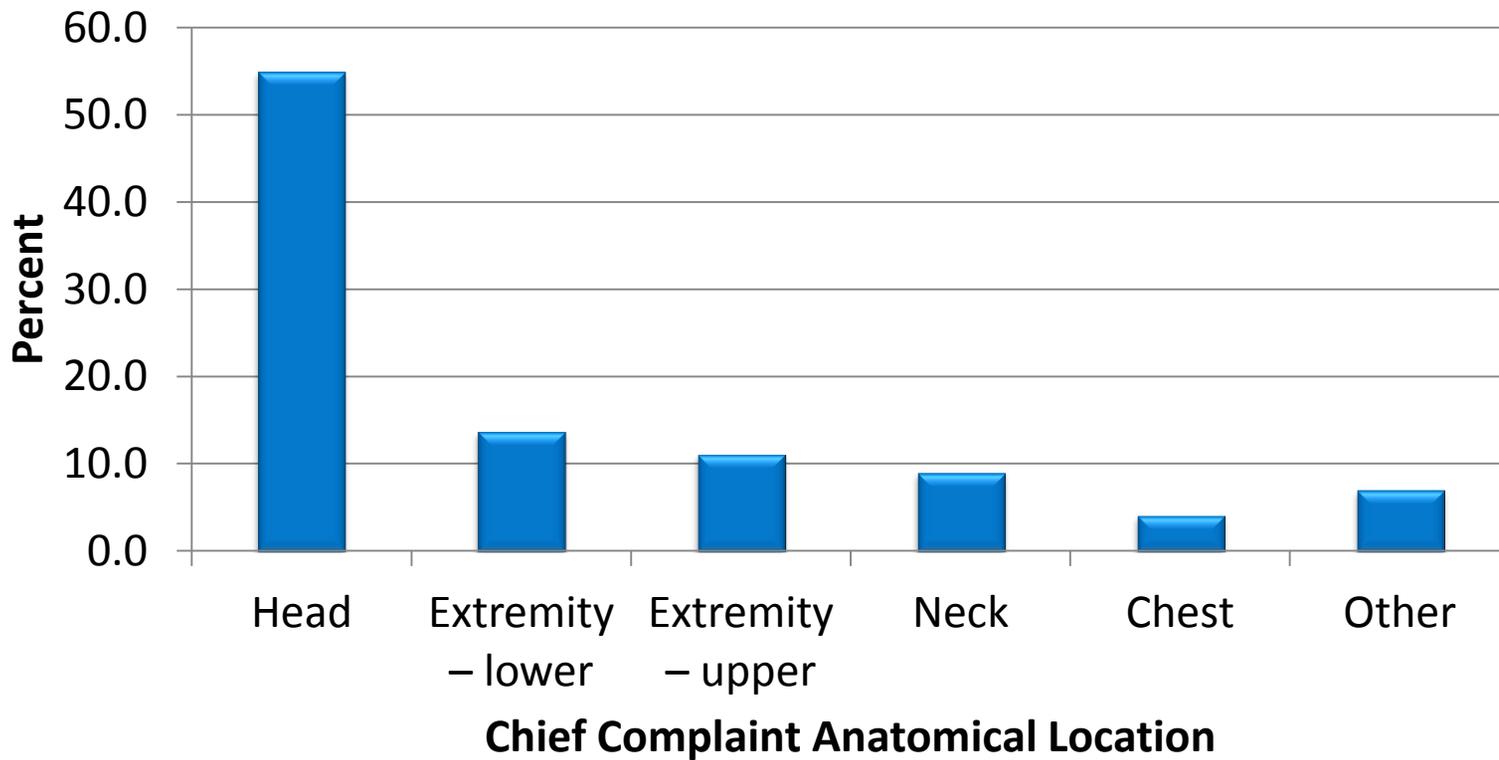


Table  
4

## Top 5 Mechanisms of Injury

Mechanism	Records	Percent
Fall	74,027	37.4
Motor vehicle traffic	73,334	37.1
Unspecified	16,501	8.3
Other - specified	10,814	5.5
Struck by – against	6133	3.1
All other causes	16,871	8.5
Total	197,680	100

Runs which indicated Missing totaled 153,886

Figure 4

## Top 5 Mechanisms of Injury

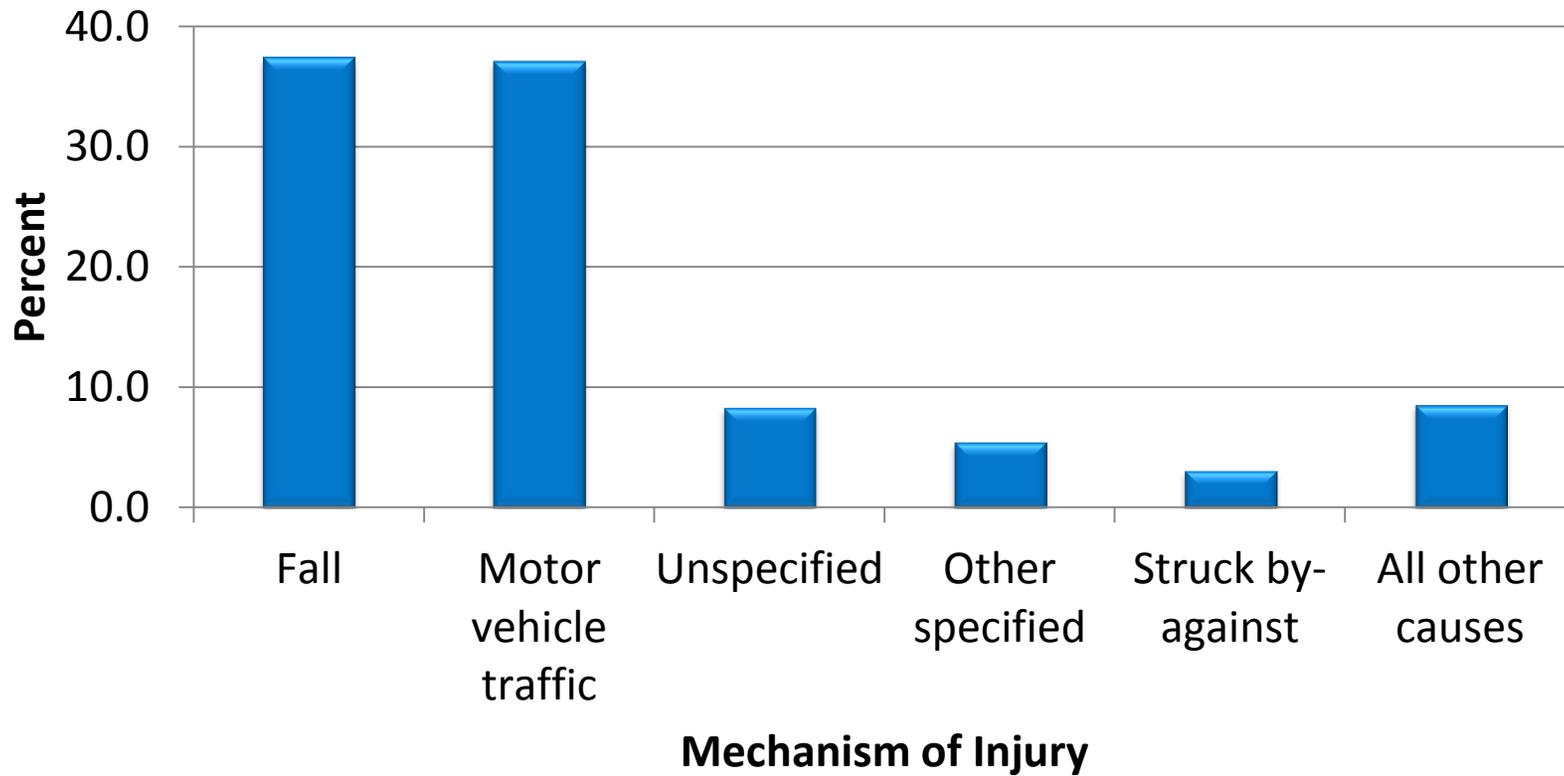


Table  
5

## Top 5 Patient Dispositions

Disposition	Records	Percent
Patient treated – transported by EMS	188,178	60.4
Patient evaluated no treatment – transport required	51,362	16.5
Patient treated – released per protocol	40,703	13.1
Patient treated – released AMA	23,503	7.5
Transport – no treatment	4766	1.5
All other patient dispositions	2971	1.0
Total	311,483	100

Runs with No Patient Contact totaled 34,762,  
Runs with information about only Incident  
Disposition totaled 5129 & Runs with  
Missing information totaled 192

Figure 5

## Top 5 Patient Dispositions

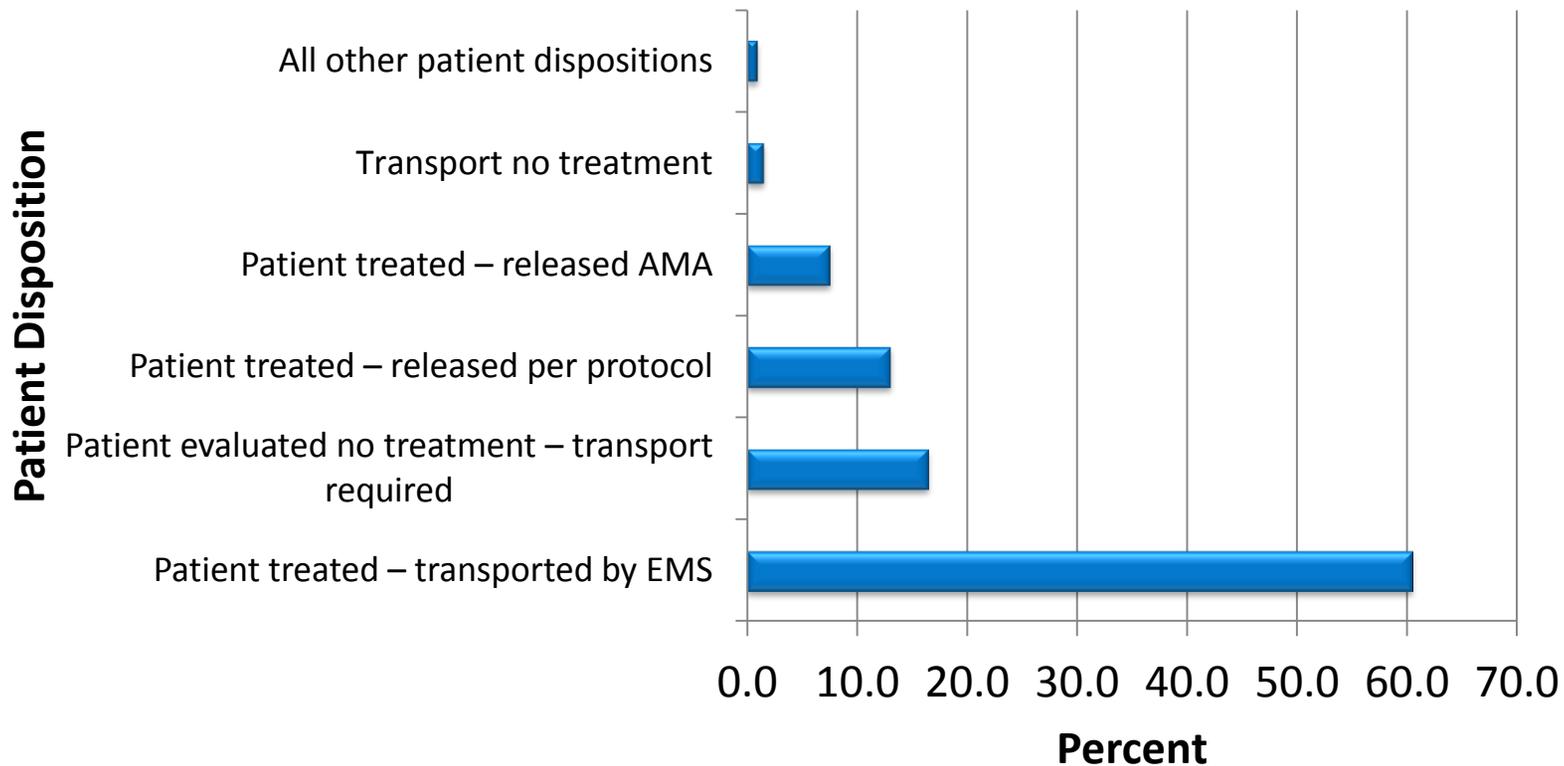


Table  
6

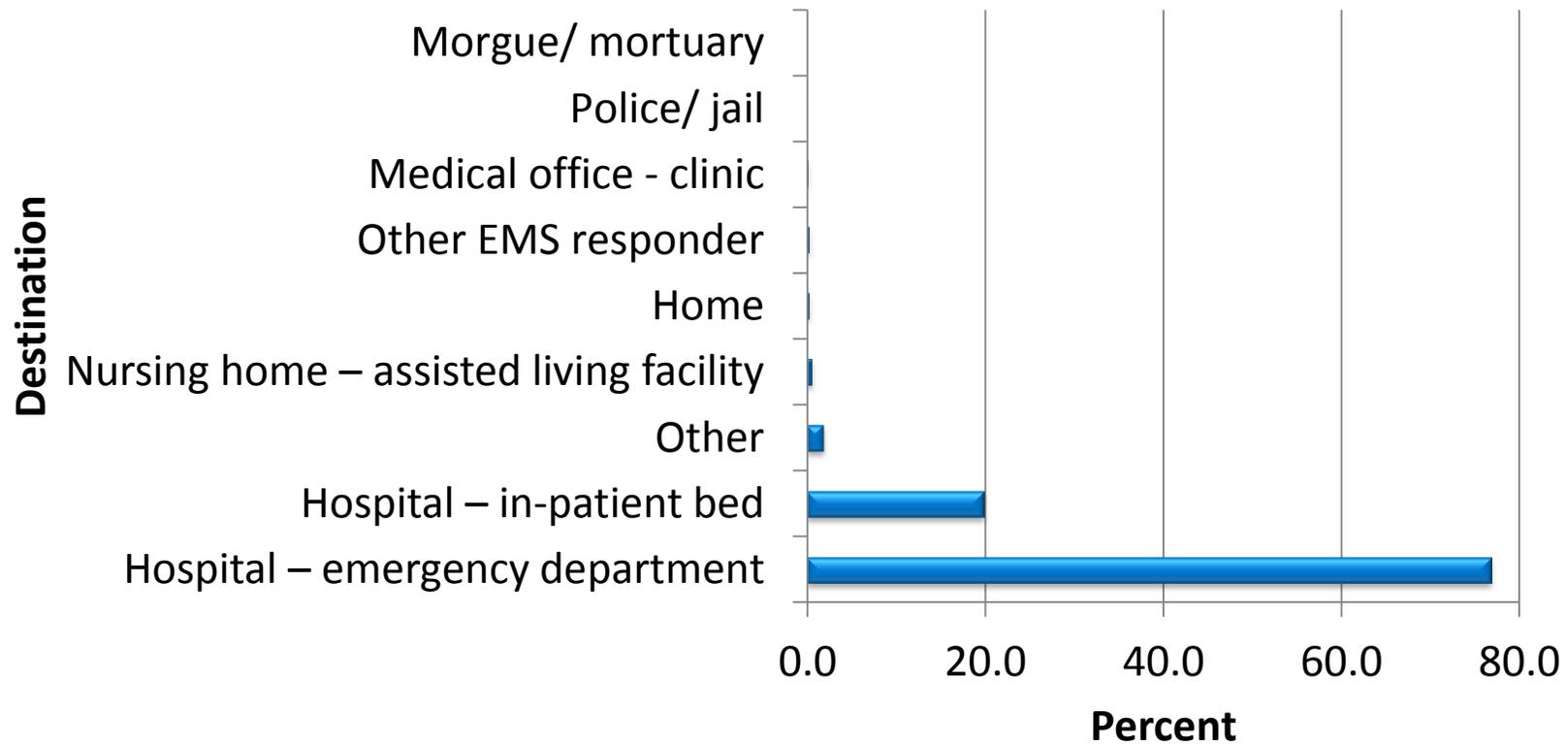
## Patient Destination Type

Destination	Records	Percent
Hospital – emergency department	144,744	76.8
Hospital – in-patient bed	37,497	19.9
Other	3589	1.9
Nursing home – assisted living facility	1126	0.6
Home	566	0.3
Other EMS responder	558	0.3
Medical office - clinic	334	0.2
Police/ jail	22	0.0
Morgue/ mortuary	13	0.0
<b>Total</b>	<b>188,449</b>	<b>100</b>

Runs which indicated Not Applicable, Not Recorded & Missing totaled 163,117

Figure 6

## Patient Destination Type



# EMS Call CHARACTERISTICS



Table  
7

## Month of EMS Run

Month	Records	Percent
January	31,196	8.9
February	27,027	7.7
March	30,826	8.8
April	28,360	8.1
May	31,330	8.9
June	30,632	8.7
July	29,606	8.4
August	29,582	8.4
September	29,227	8.3
October	30,532	8.7
November	26,361	7.5
December	26,608	7.6
<b>Total</b>	<b>351,287</b>	<b>100</b>

Runs which indicated Missing totaled 279

Figure  
7

## Month of EMS Run

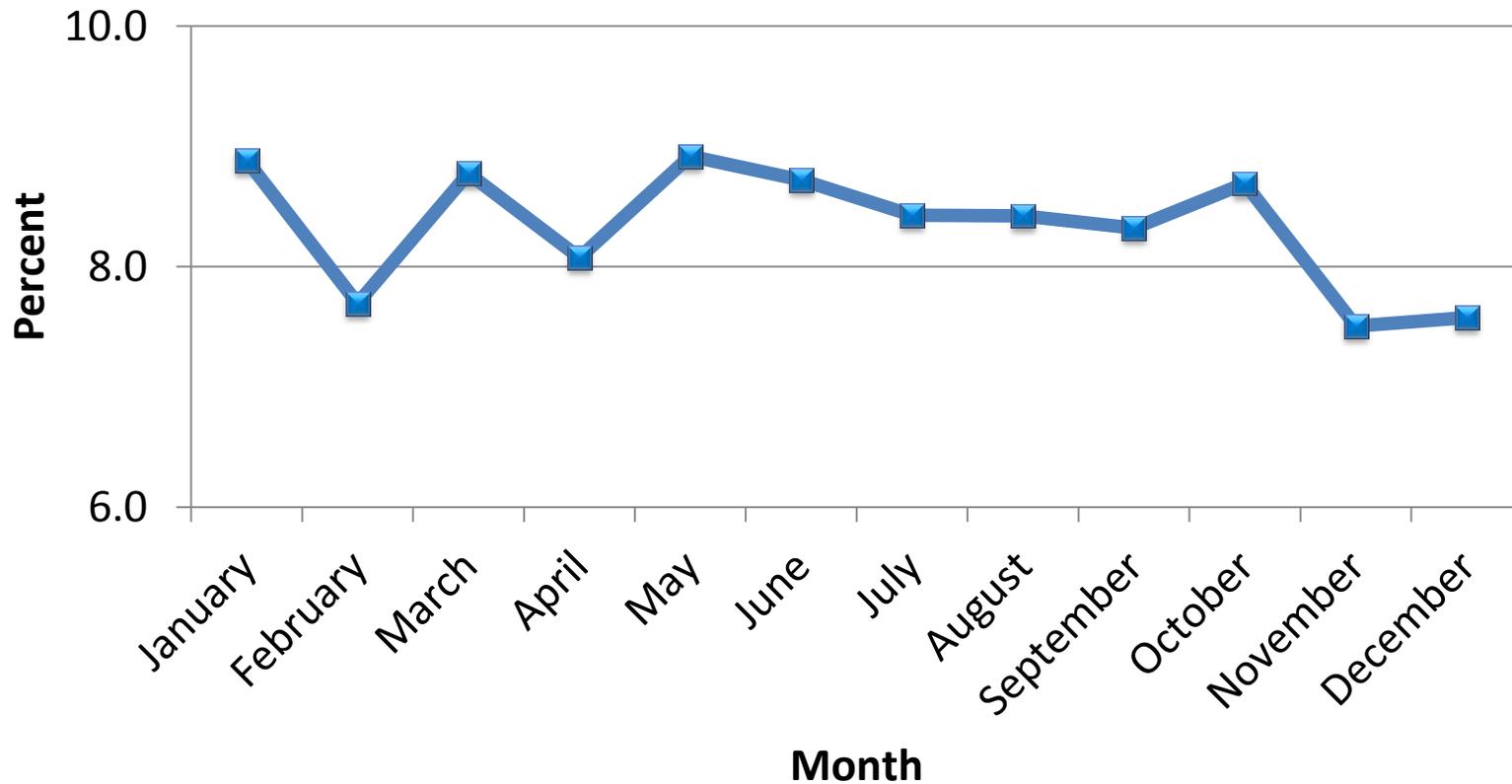


Table  
8

## Hour of Day

Hour	Records	Percent
0000	6359	1.8
0100	6978	2.0
0200	7294	2.1
0300	5594	1.6
0400	4821	1.4
0500	4864	1.4
0600	6192	1.8
0700	8909	2.5
0800	9851	2.8
0900	9801	2.8
1000	10,764	3.1
1100	11,722	3.3
1200	12,466	3.5

Hour	Records	Percent
1300	12,045	3.4
1400	12,436	3.5
1500	13,585	3.9
1600	14,412	4.1
1700	14,609	4.2
1800	13,751	3.9
1900	12,703	3.6
2000	11,376	3.2
2100	10,367	2.9
2200	8749	2.5
2300	7160	2.0
Unknown	114,758	32.6
Total	351,566	100

Figure 8

## Hour of Day

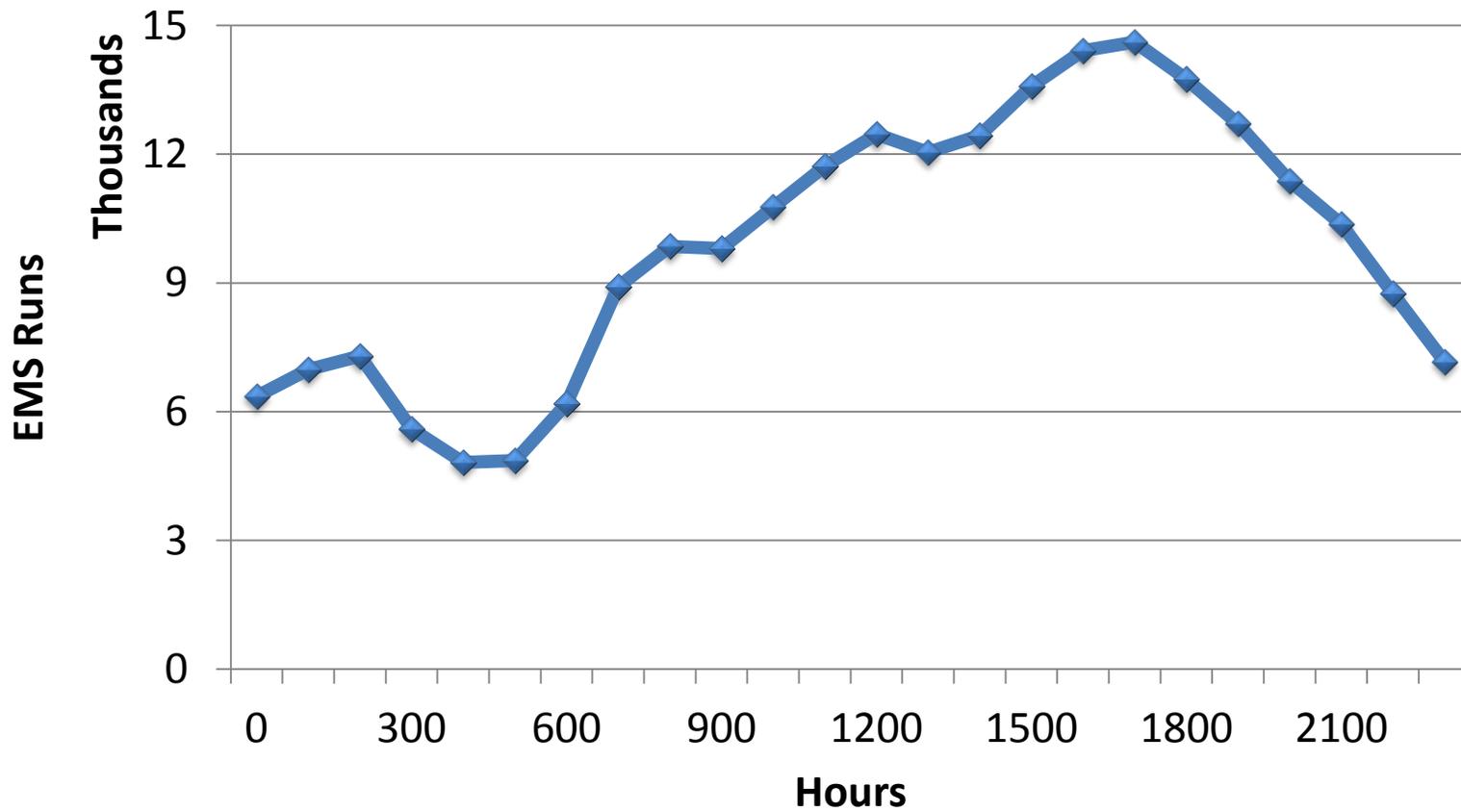


Table  
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## Median Total Prehospital Time (minutes) by Top 5 Mechanisms of Injury

Mechanism of Injury	Records	Total Prehospital Time (minutes)
Fall	51,113	39
Motor vehicle traffic	38,955	38
Unspecified	8587	40
Other - specified	6102	39
Struck by – against	2818	36

Median Total Prehospital Time includes runs when:  
Type of service requested = 911  
EMS transport method = Ground Ambulance  
Destination = Hospital ED or Hospital in-patient

Figure 9

## Median Total Prehospital Time (minutes) by Top 5 Mechanisms of Injury

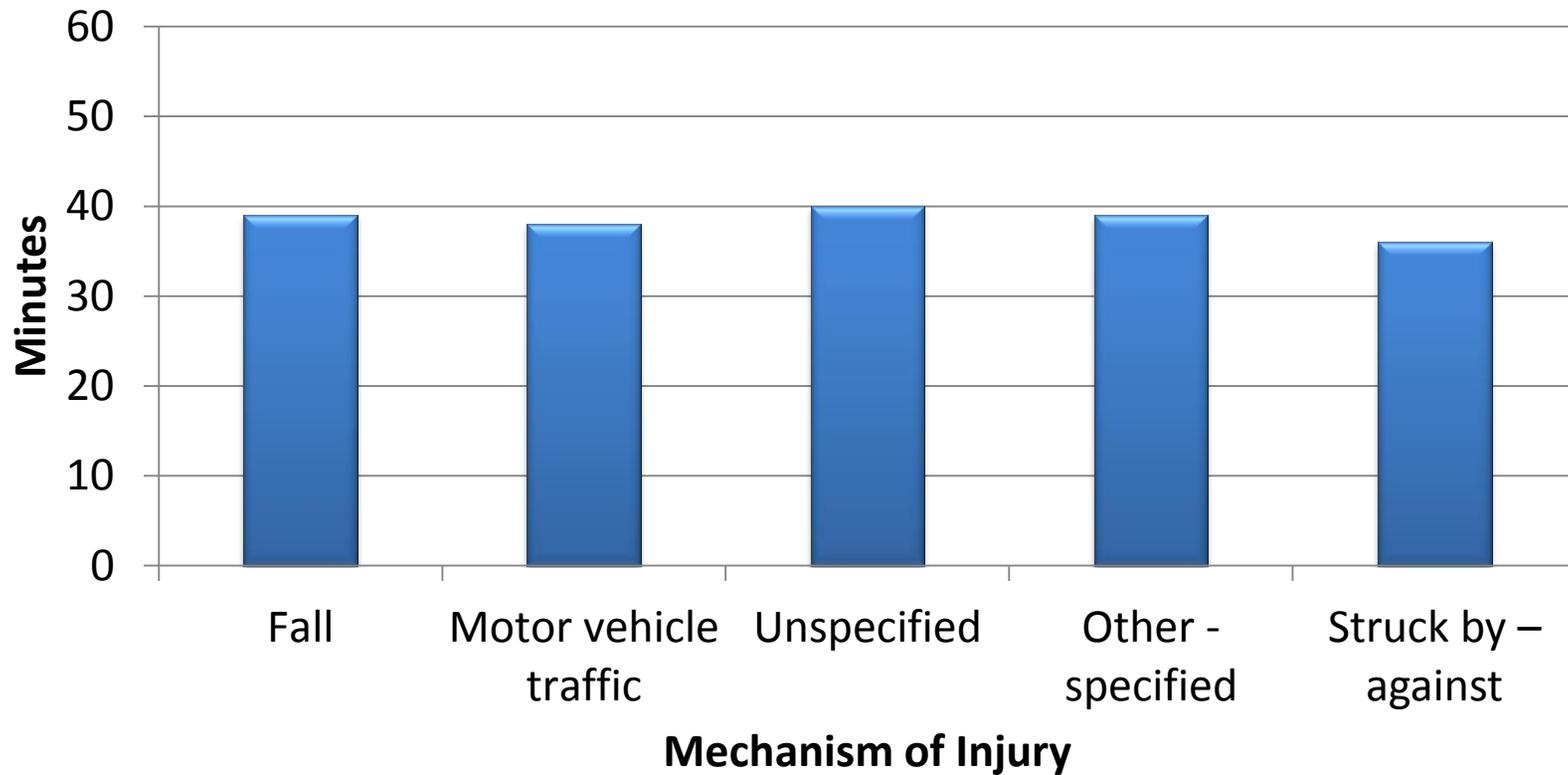


Table  
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## Median Prehospital EMS Travel Times (minutes) by Top 5 Mechanisms of Injury

Mechanism of Injury	EMS Dispatched to Arrival at Scene	Departure from Scene to Arrival at Destination
Fall	8	12
Motor vehicle traffic	8	12
Unspecified	9	11
Other - specified	8	12
Struck by – against	8	12

Median Prehospital EMS Travel Times include runs when:  
Type of service requested = 911  
EMS transport method = Ground Ambulance  
Destination = Hospital ED or Hospital in-patient

Figure 10

## Median Prehospital EMS Travel Times (minutes) by Top 5 Mechanisms of Injury

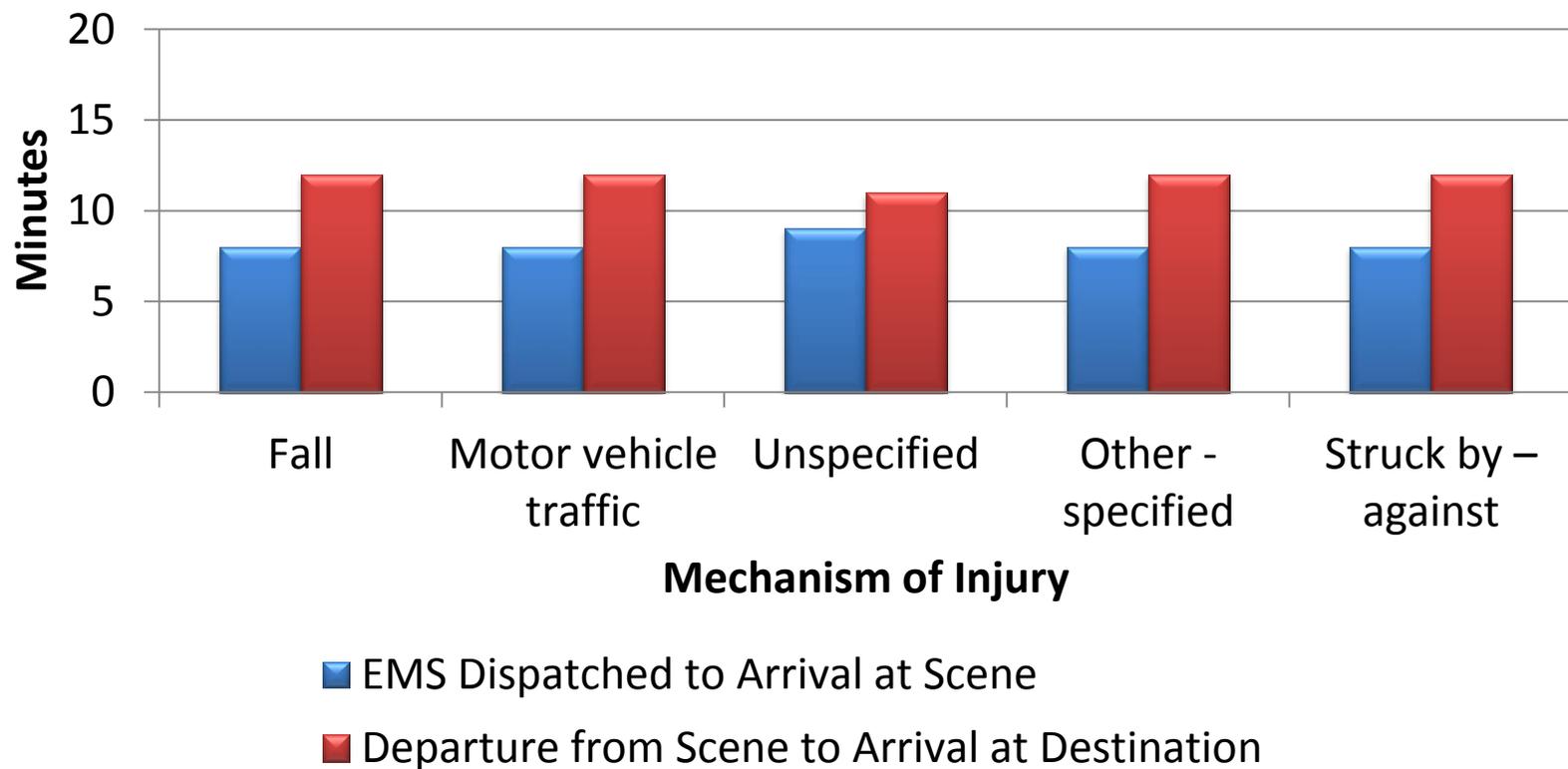


Table  
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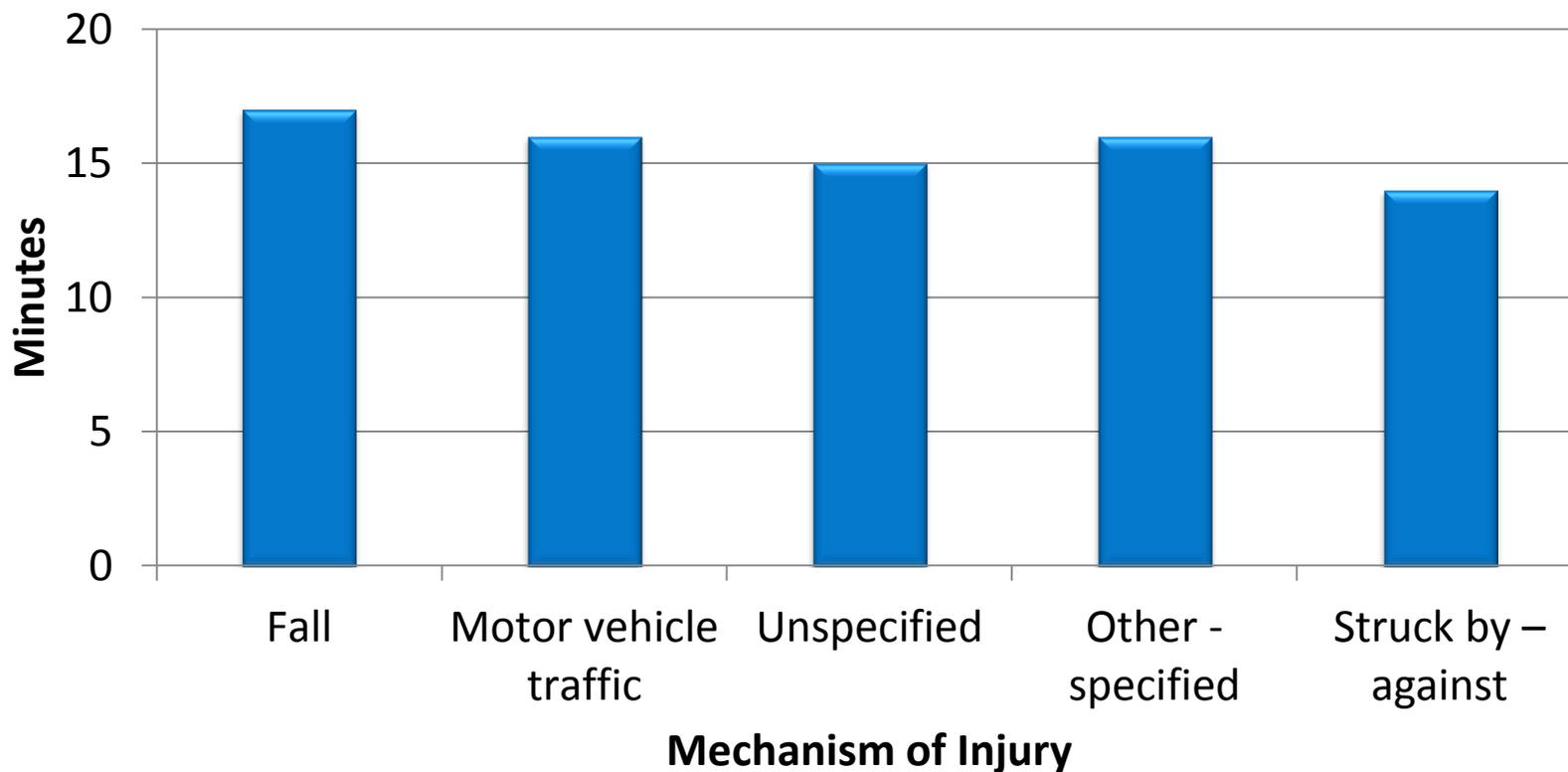
## Median Prehospital EMS Scene Times (minutes) by Top 5 Mechanisms of Injury

Mechanism of Injury	Arrival at Scene to Departure from Scene
Fall	17
Motor vehicle traffic	16
Unspecified	15
Other - specified	16
Struck by – against	14

Median Prehospital EMS Scene Time includes runs when:  
Type of service requested = 911  
EMS transport method = Ground Ambulance  
Destination = Hospital ED or Hospital in-patient

Figure 11

## Median Prehospital EMS Scene Times (minutes) by Top 5 Mechanisms of Injury



## **Injury Epidemiology & Surveillance Branch**

Environmental Epidemiology and Disease Registries Section

Department of State Health Services

1100 West 49<sup>th</sup> Street

Austin, Texas, 78714-9347

Customer Service email: [injury.web@dshs.state.tx.us](mailto:injury.web@dshs.state.tx.us)

Customer Service phone: 1-800-242-3562

