WISCONSIN DEPARTMENT of HEALTH SERVICES

Wisconsin Trauma Registry Updates and Statistics

Fall 2018 Edition
Data: Quarter 1, 2018

In this edition:

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Educational Opportunities	Quarter 1, 2018 Data
Slipping, Tripping, Stumbling, and Falls	Pediatric Trauma

Open User Calls Scheduled

To further support Wisconsin's trauma care system, monthly calls have been scheduled to serve as an open forum for questions regarding the Wisconsin Trauma Registry. These calls will be facilitated by the Trauma Registry Data Manager. Common topics of interest will be summarized and released in the quarterly trauma registry report. The meeting room will close if there is no activity after 10 minutes.

Webinar Link: https://connect.wisconsin.gov/dhsdphanderson/
Audio: Internal computer audio within Adobe Connect

User Call Scheduled Dates

- October 4, 2018, 10:00—11:00am

- November 1, 2018, 10:00—11:00am

- December 6, 2018, 10:00—11:00am

New Reports Available

Two new reports are available in the "Ad-Hoc Reports" folder to track the time between patient arrival to each computed tomography (CT) scan the patient received:

- Door to CT Scan (all diagnoses)
- Door to CT Scan (patients w/head injury)

Two new reports are available in the "SCRTAC Reports" folder. These reports were developed for a performance improvement initiative specific to the south central region; however, these reports can be utilized by all trauma care facilities:

- Top 20 diagnoses for undertriaged patients
- Top 20 injury mechanisms for undertriaged patients

ICD-10 Procedure Cheat Sheet Available

The following is a document of commonly used ICD-10 Procedure codes by anatomical regions. Use this as a resource in coding your facility's ICD-10 procedures. Suggestions for future additions will be considered at future data management subcommittee meetings. A link to this resource can be found below.

https://idph.iowa.gov/Portals/1/userfiles/43/Trauma%20Verification/ICD-10CheatSheet.pdf

Registry Improvement Initiative: Timeliness

Wisconsin's path to 80% of records submitted within 60 days of discharge—Orange Book Standard

Wisconsin trauma care facilities submitted 69% of trauma records within 60 days of patient discharge for quarter 4. This is a 20% improvement from quarter 4, 2017 (49%). This value excludes records in progress. The goal is to reach 70% of trauma records submitted within 60 days of patient discharge by the end of 2018, with complete compliance achieved by 2020. This value only includes records marked as completed.

Description	Projected Annual Improvements			
	Current	2018	2019	2020
Percentage of cases completed within 60 days of discharge.	69% (+20%)	70%	75%	80%

⊘ Prevent duplicate entries

If multiple staff are responsible for data entry, be sure to communicate and prevent time spent on duplicate records. Enter the patient's name or medical record number into the search bar on the incidents tab to see if there is an existing record for this injury event prior to beginning data entry. This takes only a few seconds and can save hours of work!

```
Q  Example Patient                          GO  CLEAR  Advanced Search
   Example Patient - 123456 - ImageTrend
Defa -171010- Demo201 -
```

CURRENT

44	Average minutes to complete a case
97.3 (+0.1%)	Average validity score

2018 GOAL

45	Average minutes to complete a case
98.0	Average validity score

Recorded Webinar Available

Introduction to the Report Writer

The purpose of this training is to provide a high-level understanding of the ImageTrend report writer application. This training includes a basic overview of existing reports, creating user-specific reports, exporting data from the application, and the tools available to assist in report building.

https://connect.wisconsin.gov/pw1grsciq3l3/

Patient Sex

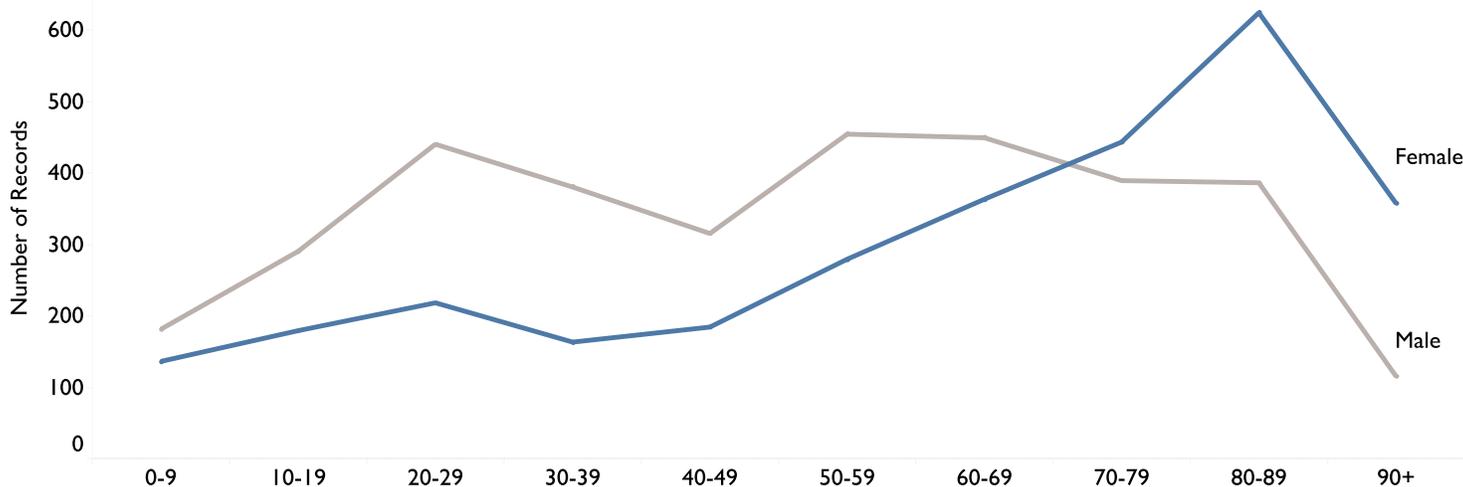54%   46%

SUMMARY

6,938   TRAUMA RECORDS

6,351   INJURY EVENTS

All data for this report were exported on June 21, 2018

An injury event is unique to each reported incident. There are certain cases where a single patient sustains more than one traumatic mechanism in a single day. Thus, this patient has two injury events.

Volume of Patients by Sex and Age Range

Rate of Injury for Falls and Car Occupants in Transport Accident*

Slipping, Tripping, Stumbling and Falls

	Female	Male
0-9	17	20
10-19	5	14
20-29	8	13
30-39	11	20
40-49	20	23
50-59	37	49
60-69	79	82
70-79	191	181
80-84	388	352
85+	779	634

Car Occupant in Transport Accident.

	Female	Male
0-9	4	8
10-19	25	19
20-29	32	41
30-39	18	29
40-49	18	16
50-59	13	13
60-69	14	16
70-79	13	15
80-84	21	39
85+	20	32

*Rate is per 100,000. (V40-V49) Car occupant injured in transport accident does not capture all mechanisms related to motor vehicles.
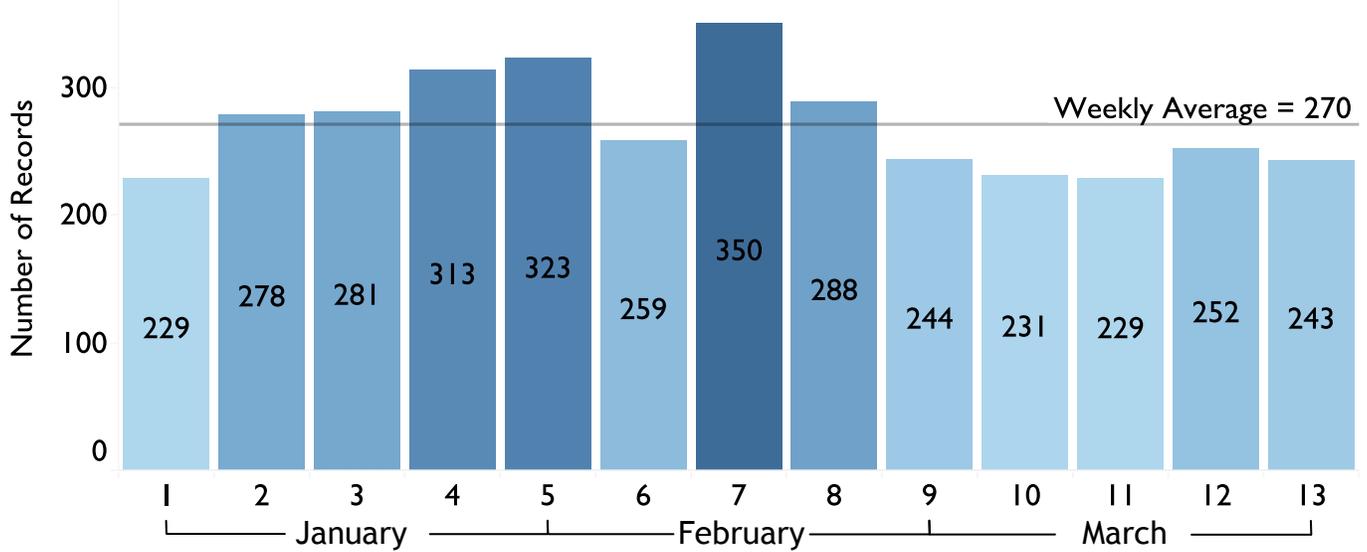
SLIPPING, TRIPPING, STUMBLING AND FALLS

Falls By Week Number (year to date)

See how your facility compares by running the report titled "Falls by Week" in the report writer

Weekly Average = 270

Week	1	2	3	4	5	6	7	8	9	10	11	12	13
Records	229	278	281	313	323	259	350	288	244	231	229	252	243

January — February — March

Injury Location Breakdown

Private residence had the highest share of injury locations. While private residence and street, highway, other paved roadways saw a decrease in volume during weeks 8, 9 and 10, non-private residence increased slightly.

Location	Count
Private Residence	2,540
Street, Highway, Other Paved Roadways	1,895
Non-Private Residence	477
Unspecified	433
Other	419
Trade and Service Area	175
School and Other Institution	166
Industrial and Construction Area	90
Farm	70
Sports and Athletics Area	64
Not Known/Not Recorded	33

Private Residence

Street, Highway, Other Paved Roadways

Non-Private Residence

1 2 3 4 5 6 7 8 9 10 11 12 13

January — February — March
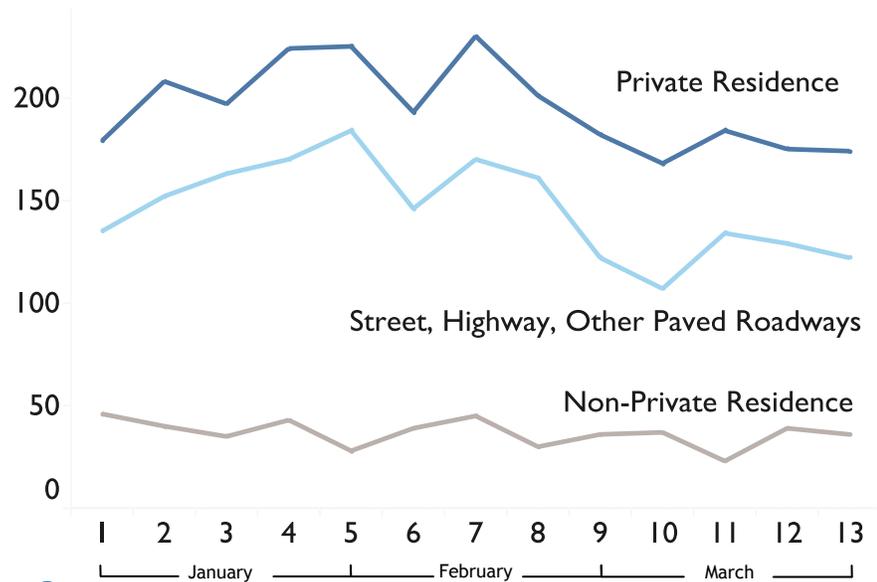
How does your facility compare?

Falls are overwhelmingly the highest volume of trauma patients seen throughout Wisconsin. See how your facility compares to these values by generating the following reports.

- Falls by Day of Week
- Falls by Gender
- Falls by Hour of Day
- Falls by Month
- Falls by Week

PEDIATRIC TRAUMA

OVERVIEW

In the context of this report, pediatric patients are ages 17 and under.

SUMMARY

789 TRAUMA RECORDS

636 INJURY EVENTS

All data for this report were exported on June 21, 2018

An injury event is unique to each reported incident. There are certain cases where a single patient sustains more than one traumatic mechanism in a single day. Thus, this patient has two injury events.

Percent of Cases Missing Initial Assessment Systolic Blood Pressure by Age Range

Of all trauma records for patients aged 17 and under, 15% had no documented initial assessment systolic blood pressure. This field has the third highest rate of incompletion for patients aged 17 and under, behind patient weight and incident time. The following is a breakdown of each age range subcategory.

Patient Age Range in Years

0-4	5-9	10-14	15-17
36% of patients aged 0-4 had no documented initial assessment systolic blood pressure.	11% of patients aged 5-9 had no documented initial assessment systolic blood pressure.	4% of patients aged 10-14 had no documented initial assessment systolic blood pressure.	2% of patients aged 15-17 had no documented initial assessment systolic blood pressure.

Number of patients admitted to non-pediatric trauma care centers by Injury Severity Score

A total of 56 patients aged 17 and under were admitted from the emergency department to a non-pediatric trauma care center. The highest share of these patients had an injury severity score between 1 and 4.

1-4	5-9	10+
35	16	5

Department of Health Services | Division of Public Health | Office of Health Informatics | www.dhs.wisconsin.gov/trauma/registry

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