

Western New York

Trauma Registry Regional Progress Report 2010-2013

New York State Department of Health

Office of Primary Care and Health Systems Management

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Executive Summary

Introduction

The purpose of this report is to present summary statistics of trauma-related injuries and outcomes of the care provided in each of the eight trauma regions in the State. For the years 2010-2013 there were a total of 40 trauma centers designated in New York State. Trauma clinicians, administrators and policy makers may use this report to identify important areas and issues for enhancing systems development and clinical quality improvement in their regions. The public may use this report to learn more about the trauma system in their region. As trauma centers in New York State transition to the standards of the American College of Surgeons Committee on Trauma, and additional levels of trauma center are added to the State system, this report will serve as a baseline for measuring improvements in outcome and injury prevention in each region.

Data Sources

The New York State Trauma Registry serves as the data source. Trauma patients identified as residents of the Western New York Region were included.

Acknowledgement

The State Health Department would like to thank: the New York Trauma Center program staff and the Bureau of Emergency Medical Services and Trauma Systems program manager of the Office of Primary Care and Health Systems Management who have worked diligently to provide the data utilized in this report, the NYSDOH Bureau of Occupational Health and Injury Prevention for the injury statistics, and the Data Management, Analysis and Research Group who created the trauma registry and performed the statistical analyses to generate the tables and figures presented in this report.

Data Summary

This report summarizes the trauma cases for residents of the Western New York Region for the discharge years 2010-2013, who were included in the New York State Trauma Registry. There were a total of 5,362 trauma cases amongst the residents of the Western New York Region. The key findings include the following:

- ▶ Annually, there were an average of 1,340 trauma incidents with a 5.89% case fatality rate.
- ▶ The median EMS response time was 7 minutes.
- ▶ The median transport time to an appropriate trauma center was 18 minutes, for adults, and 20.5 minutes, for children under 15 years of age.
- ▶ 51% of pediatric trauma patients were transported to an appropriately designated center.
- ▶ The median time at a referring hospital prior to transport to a trauma center for patients with an injury severity score of ≥ 25 was 2.3 hours.
- ▶ The median length of stay for surviving patients with an injury severity score of ≥ 25 was 12 days.
- ▶ The median time in the emergency department for patients with an injury severity score of ≥ 25 was 2.5 hours.
- ▶ The risk ratio, $\frac{\text{observed fatality rate}}{\text{expected fatality rate}}$, for all trauma from the Western New York Region was 0.89. (State average is 1)



Western New York (WNY) Incident Summary (with comparison to state)

Categories	Western New York		Incidence*		Case Fatality Rate**	
	Incidents	Fatalities	WNY	State	WNY	State
Year						
2010	1,182	89	7.65	9.05	7.53	6.39
2011	1,322	70	8.57	8.73	5.30	6.79
2012	1,456	81	9.46	8.59	5.56	6.77
2013	1,402	76	9.12	8.16	5.42	6.58
Age						
0-5	385	6	9.55	5.38	1.56	2.14
6-13	314	5	5.27	3.06	1.59	1.73
14-34	1,552	72	9.21	8.06	4.64	4.96
35-64	1,910	86	7.67	7.17	4.50	5.28
65+	1,201	147	13.00	21.13	12.24	10.63
Sex						
Male	3,691	217	12.27	11.72	5.88	6.80
Female	1,671	99	5.30	5.72	5.92	6.31
ISS						
0-9	1,857	17	3.01	3.07	0.92	1.77
10-15	1,334	12	2.16	1.83	0.90	1.86
16-24	1,260	33	2.04	2.23	2.62	4.44
25-34	622	142	1.01	0.89	22.83	25.31
35-75	233	106	0.38	0.31	45.49	45.37
NA	56	6	0.09	0.29	10.71	6.73
Four Year Total						
All Trauma	5,362	316	8.70	8.63	5.89	6.63

* Incidents per 10,000 residents

** Case Fatality Rate as a percent



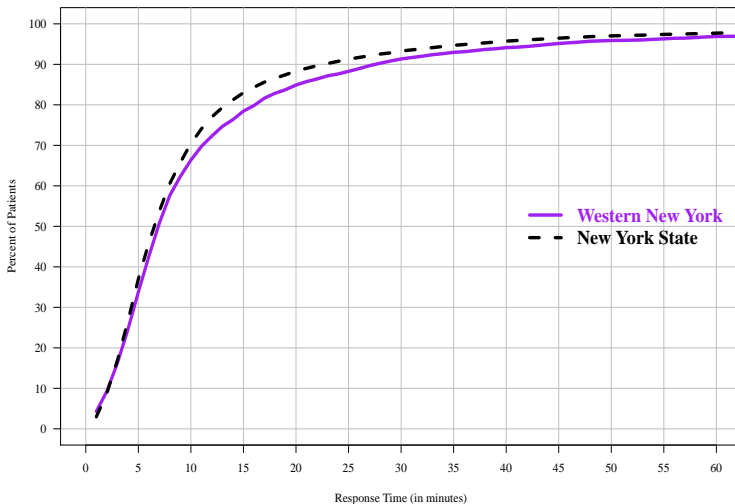
Western New York (WNY) Regional Incident Classification (with comparison to state)

Category	Western New York		Incidence*		Case Fatality Rate**	
	Incidents	Fatalities	WNY	State	WNY	State
Selected Mechanism of Injury						
Fall	1,978	129	3.21	3.67	6.52	7.33
Motor Vehicle Traffic	1,661	102	2.70	2.47	6.14	6.67
Firearm	337	43	0.55	0.38	12.76	14.02
Transport, non traffic	309	8	0.50	0.28	2.59	3.16
Intention of Injury						
Unintentional	4,453	255	7.23	6.99	5.73	6.60
Assault	772	49	1.25	1.02	6.35	5.87
Undetermined/Other	75	52	0.12	0.54	69.33	6.45
Self-Inflicted	62	7	0.10	0.08	11.29	19.88
Type of Injury						
Blunt	4,548	254	7.38	7.18	5.58	6.41
Penetrating	557	49	0.90	0.63	8.80	9.79
Other	257	13	0.42	0.82	5.06	6.15
Four Year Total						
All Trauma	5,362	316	8.70	8.63	5.89	6.63

* Incidents per 10,000 residents

** Case Fatality Rate as a percent

Emergency Medical Service Response Time*

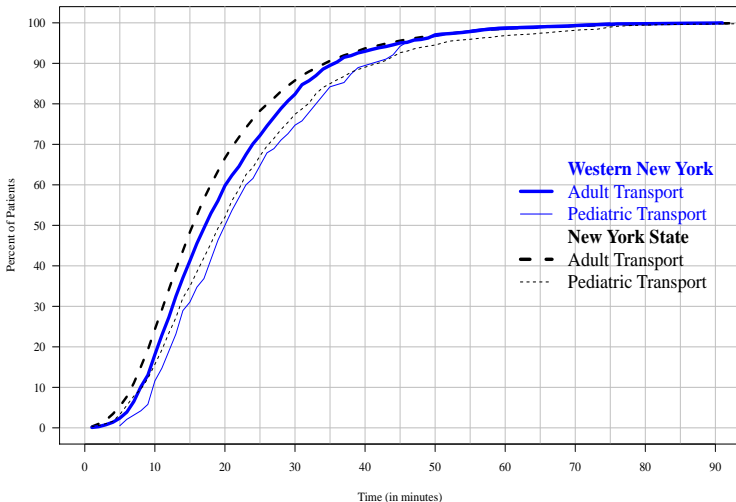


This plot shows the percent of incidents responded to by EMS within a given time period.

*Response time is calculated as the time from emergency phone call to medical service's arrival at scene.



Emergency Medical Service Transport Time* to Patient Appropriate Trauma Center**



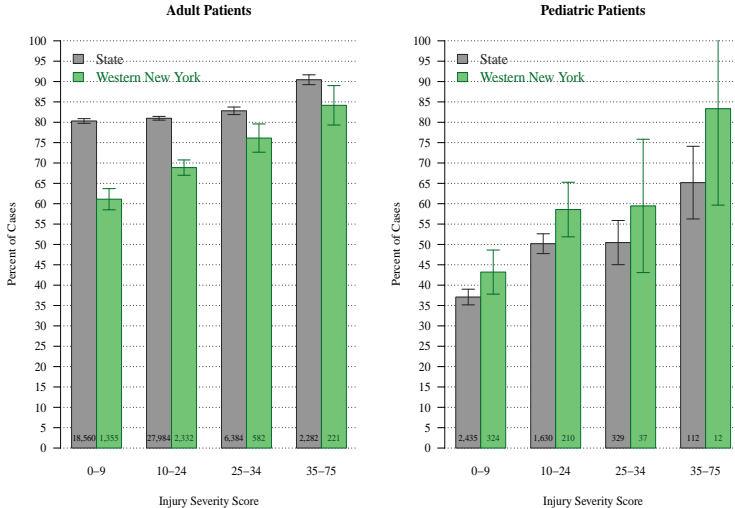
This plot shows the percent of trauma patients transported to an appropriate center within a given time period.

*Transport time is calculated as time from emergency medical service's departure from the scene of injury to arrival at hospital.

**Patient appropriate trauma center means either pediatric or dual designated for patients under 15 and either adult or dual designation for patients over 15 years of age.



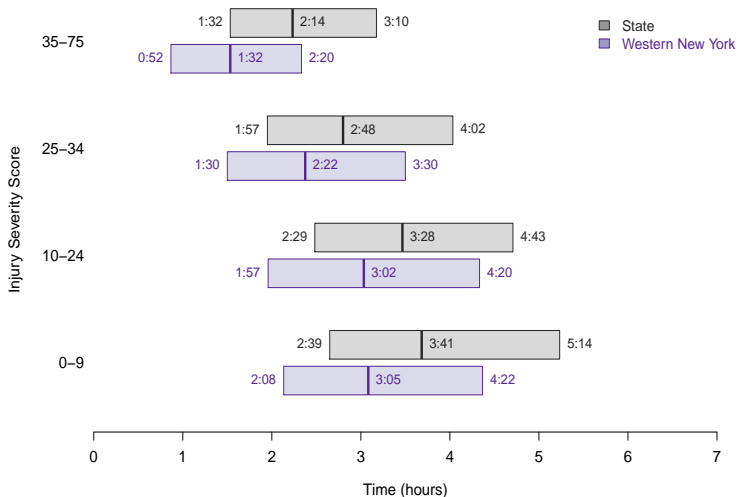
Patients Transported by EMS to an Appropriate Trauma Center by Designation and Injury Severity Score



Registry data only includes data from patients that made it to a Trauma Center. Walk-ins excluded. 95% confidence intervals are shown around means.

Appropriate trauma center means either pediatric or dual designated for patients under 15 and either adult or dual designated for patients over 15 years of age.

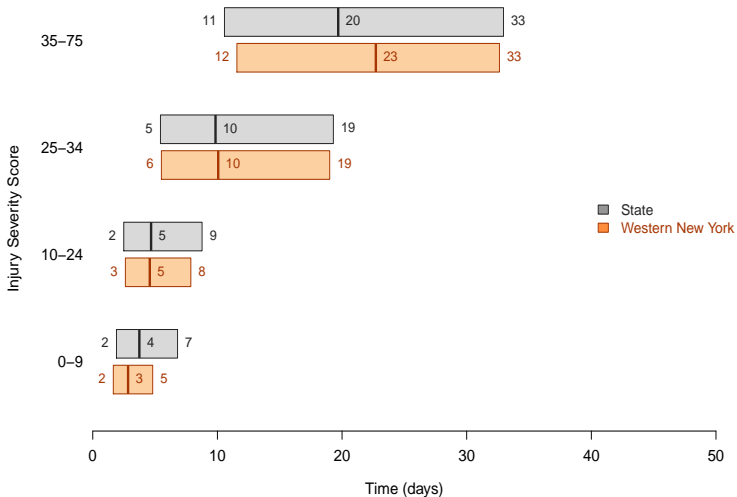
Quartile Plot of Time at Referring Hospital by Injury Severity Score (for patients who were referred to a trauma center)



The quartile plot highlights the middle 50% of patients with the box. The center line denotes the median (the 50th percentile), 25% of patients therefore fall below the range of the box, and 25% fall above the range of the box.



Quartile Plot of Length of Stay by Injury Severity Score (for patients who lived)



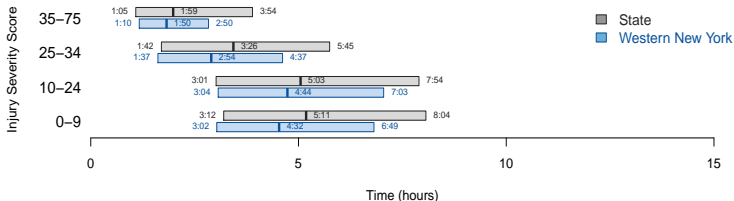
The quartile plot highlights the middle 50% of patients with the box. The center line denotes the median (the 50th percentile), 25% of patients therefore fall below the range of the box, and 25% fall above the range of the box.



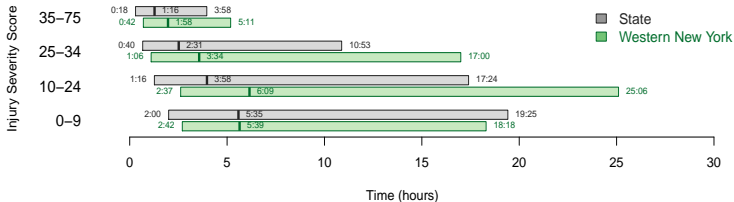
Western New York (WNY) Complication Incidence and Mortality

Complications	Western New York		Frequency (%)		Fatality Rate (%)	
	Incidents	Fatalities	WNY	State	WNY	State
pneumonia	250	32	4.66	2.71	12.8	16.5
acute lung injury	203	28	3.79	2.25	13.8	24.0
other unspecified	196	81	3.66	4.31	41.3	18.4
cardiac arrest in hospital	128	115	2.39	0.88	89.8	82.7
withdrawal from alcohol or drugs	109	2	2.03	0.94	1.8	2.8
new urinary tract infection	82	4	1.53	1.96	4.9	8.2
severe sepsis	51	16	0.95	0.93	31.4	33.3
acute kidney injury	47	16	0.88	0.89	34.0	28.1
new decubitus ulcer	44	7	0.82	0.69	15.9	13.4
unplanned intubation	33	15	0.62	0.62	45.5	28.9
deep vein thrombosis	29	0	0.54	0.83	0.0	9.5
pulmonary embolism	22	6	0.41	0.35	27.3	13.5
catheter related blood stream infection	20	2	0.37	0.10	10.0	14.3
new stroke or cerebral vascular accident	14	4	0.26	0.14	28.6	18.6
new myocardial infarction	13	9	0.24	0.24	69.2	33.3
organ or space surgical site infection	12	0	0.22	0.11	0.0	4.0
superficial surgical site infection	8	0	0.15	0.19	0.0	2.3
deep surgical site infection	6	1	0.11	0.13	16.7	7.8
unplanned return to ICU	6	2	0.11	0.13	33.3	12.8
extremity compartment syndrome	4	0	0.07	0.31	0.0	4.8
failure of graft, flap, or prosthesis	0	0	0.00	0.03	0.0	0.0
new bone infection	0	0	0.00	0.03	0.0	0.0

Quartile Plot of Time In Emergency Department by Injury Severity Score

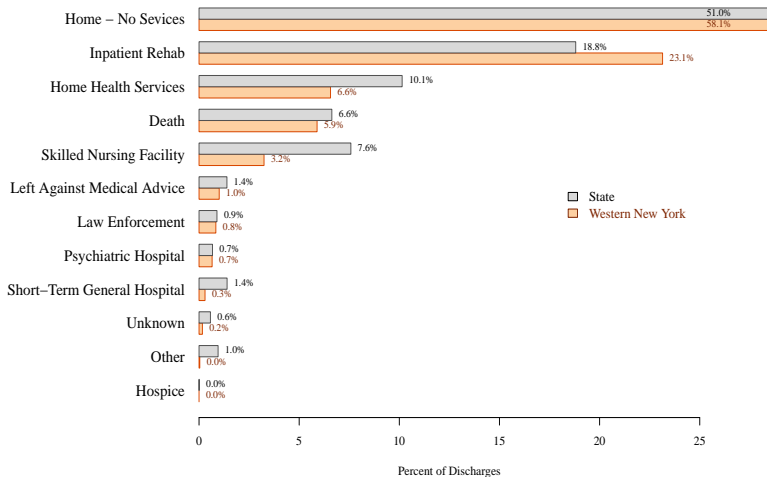


Quartile Plot of Time Until First Procedure by Injury Severity Score



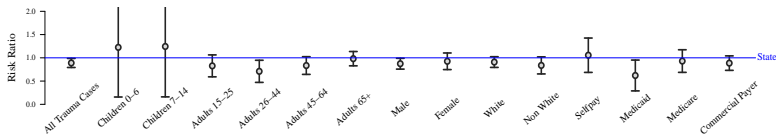
The quartile plot highlights the middle 50% of patients with the box. The center line denotes the median (the 50th percentile), 25% of patients therefore fall below the range of the box, and 25% fall above the range of the box.

Discharge Destination

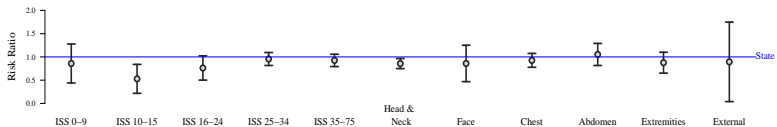


Note that axis margin cuts off full length of discharged to home bar.

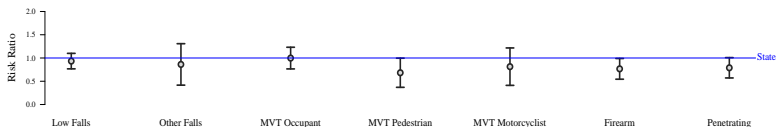
Risk by Patient Characteristics



Risk by Severity and Location of Injury



Risk by Type of Trauma



$$\text{Risk Ratio} = \frac{\text{observed fatality rate}}{\text{expected fatality rate}}$$

Expected rate is estimated using a multivariate logistic regression adjusting for risk factors: age, gender, injury severity, injury body region, injury type, Glasgow coma motor score, systolic blood pressure, mechanism of trauma, prehospital care, and existing comorbidities.

Western New York Regional Risk Adjusted Fatality Rates

Categories	Western New York Region (WNY)				Comparison*	
	N	Observed	Expected	Risk Ratio	State	WNY
Overall						
All Trauma Cases	5,054	6.0%	6.7%	0.9 ±0.1	6.6%	5.8%
Age						
Children 0-6	357	1.4%	1.1%	1.2 ±1.1	2.3%	2.8%
Children 7-14	330	1.5%	1.2%	1.2 ±1.1	2.1%	2.6%
Adults 15-25	929	4.8%	5.9%	0.8 ±0.2	4.7%	3.9%
Adults 26-44	923	3.6%	5.0%	0.7 ±0.2	4.6%	3.3%
Adults 45-64	1,332	5.3%	6.3%	0.8 ±0.2	5.5%	4.6%
Adults 65+	1,087	12.6%	12.8%	1.0 ±0.2	10.6%	10.4%
Gender						
Male	3,482	5.9%	6.7%	0.9 ±0.1	6.8%	5.9%
Female	1,572	6.2%	6.7%	0.9 ±0.2	6.2%	5.7%
Race						
White	3,882	5.8%	6.4%	0.9 ±0.1	6.9%	6.3%
Non White	1,172	6.4%	7.6%	0.8 ±0.2	5.9%	5.0%
Primary Payor						
Selfpay	374	7.8%	7.3%	1.1 ±0.4	10.0%	10.6%
Medicaid	360	3.6%	5.8%	0.6 ±0.3	4.0%	2.5%
Medicare	531	9.6%	10.3%	0.9 ±0.2	9.8%	9.1%
Commercial Payer	2,220	5.3%	6.0%	0.9 ±0.2	5.2%	4.6%

State comparison is risk adjusted. N values reflect data available for accurate risk adjustment (not regional totals). Risk ratio quotes a 95% confidence interval.



Western New York Regional Risk Adjusted Fatality Rates

Categories	Western New York Region (WNY)				Comparison*	
	N	Observed	Expected	Risk Ratio	State	WNY
Injury Severity Score (ISS)						
ISS 0-9	1,750	0.9%	1.1%	0.9 ±0.4	1.8%	1.5%
ISS 10-15	1,282	0.9%	1.6%	0.5 ±0.3	1.8%	1.0%
ISS 16-24	1,194	2.7%	3.5%	0.8 ±0.3	4.3%	3.3%
ISS 25-34	600	23.2%	24.3%	1.0 ±0.1	25.2%	24.1%
ISS 35-75	228	45.2%	48.8%	0.9 ±0.1	44.6%	41.3%
Location of Injury						
Head & Neck	2,063	10.5%	12.3%	0.9 ±0.1	10.5%	9.0%
Face	111	14.4%	16.8%	0.9 ±0.4	15.0%	12.9%
Chest	1,618	8.4%	9.1%	0.9 ±0.1	8.6%	8.0%
Abdomen	575	11.7%	11.1%	1.1 ±0.2	10.5%	11.1%
Extremities	1,272	4.4%	5.0%	0.9 ±0.2	5.7%	5.0%
External	8	37.5%	42.0%	0.9 ±0.9	33.6%	30.0%
Falls						
Low Falls	1,356	8.2%	8.8%	0.9 ±0.2	8.0%	7.4%
Other Falls	495	2.8%	3.3%	0.9 ±0.4	3.8%	3.3%
Motor Vehical Traffic (MVT)						
MVT Occupant	1,007	6.6%	6.6%	1.0 ±0.2	5.7%	5.7%
MVT Pedestrian	237	7.2%	10.5%	0.7 ±0.3	9.9%	6.8%
MVT Motorcyclist	310	4.8%	5.9%	0.8 ±0.4	5.2%	4.2%
Other						
Firearm	324	12.3%	16.1%	0.8 ±0.2	12.8%	9.9%
Penetrating	541	8.5%	10.8%	0.8 ±0.2	9.1%	7.2%

State comparison is risk adjusted. N values reflect data available for accurate risk adjustment (not regional totals). Risk ratio quotes a 95% confidence interval.



Characteristics of Injury Incidence

Deaths, Hospitalizations, and Emergency Department[†] (ED) Visits

Western Region Residents, 2010-2012

	Deaths		Hospitalizations		ED Visits	
	Mean Annual Frequency	Rate per 100,000 Residents	Mean Annual Frequency	Rate per 100,000 Residents	Mean Annual Frequency	Rate per 100,000 Residents
Total	767	50	12,556	818.2	135,516	8,831
Age Group						
0<1	4	25.1**	94	590	934	5,864
1-4	5	7.5**	214	322.7	7,860	11,834.5
5-9	3	3.8**	128	147.7	7,146	8,243.6
10-14	6	6**	220	231.2	10,476	11,023.4
15-19	33	30.5	438	405.3	13,749	12,714.1
20-24	64	57.5	515	460.4	14,017	12,538.6
25-44	191	52.2	1,668	456.6	36,322	9,943.3
45-64	222	50.3	2,857	648.4	28,544	6,477.4
65+	239	97.8	6,422	2,625.4	16,469	6,732.9
Gender						
Male	521	69.5	5,655	758.9	70,431	9,406.2
Female	247	31.4	6,901	881.1	65,084	8,282.6
Unknown	n/a	n/a	n/a	n/a	*	n/a
Percent Traumatic Brain Injury	25%		12%		9%	
Mean Charge per Hospitalization or ED Visit	n/a		\$24,069		\$954	
Mean One Year Total Hospitalization or ED Visit Charges	n/a		\$302,206,566		\$129,247,936	
Three Year Total Hospitalization or ED Visit Charges	n/a		\$906,619,698		\$387,743,808	
Average Length of Hospital Stay (Days)	n/a		6		n/a	

[†]The incidence of ED visits does not include patients who were subsequently admitted into the hospital
 Rate = Frequency / Population * 100,000

*Data based on frequencies less than six not reported

**Caution: Rates calculated using frequencies of less than 20 are unstable

Source: NYSDOH, Bureau of Occupational Health and Injury Prevention
www.health.ny.gov/prevention/injury_prevention/
 SPARCS December 2013
 Vital Statistics Death File February 2014



Emergency Department (ED)† Visits Due to Injury
 Leading Causes by Age Group
 Western Trauma Region, New York State Residents, 2010-2012

Rank	Age Group									
	0<1	1-4	5-9	10-14	15-19	20-24	25-44	45-64	65+	Total
1	Fall 446 (48%)	Fall 3,067 (39%)	Fall 2,271 (32%)	Fall 2,675 (26%)	Struck By, Against 2,778 (20%)	Fall 2,051 (15%)	Fall 6,383 (18%)	Fall 7,816 (27%)	Fall 8,840 (54%)	Fall 35,770 (26%)
2	Struck By, Against 106 (11%)	Struck By, Against 1,174 (15%)	Struck By, Against 1,473 (21%)	Struck By, Against 2,568 (25%)	Fall 2,222 (16%)	Struck By, Against 1,703 (12%)	Overexertion 4,491 (12%)	Overexertion 2,936 (10%)	Unspecified 1,267 (8%)	Struck By, Against 16,953 (13%)
3	Unspecified 52 (6%)	Natural / Environmental 591 (8%)	Cut / Pierce 583 (8%)	Overexertion 960 (9%)	Overexertion 1,428 (10%)	MVT*, Occupant 1,471 (10%)	Struck By, Against 3,885 (11%)	Cut / Pierce 2,837 (10%)	Cut / Pierce 887 (5%)	Overexertion 12,579 (9%)
4	Poisoning 47 (5%)	Cut / Pierce 398 (5%)	Natural / Environmental 514 (7%)	Cut / Pierce 725 (7%)	Cut / Pierce 1,133 (8%)	Cut / Pierce 1,465 (10%)	Cut / Pierce 3,724 (10%)	Struck By, Against 2,409 (8%)	Struck By, Against 858 (5%)	Cut / Pierce 11,777 (9%)
5	Natural / Environmental 40 (4%)	Unspecified 374 (5%)	Overexertion 291 (4%)	Pedal Cyclist, Non- Traffic 442 (4%)	MVT*, Occupant 1,101 (8%)	Overexertion 1,397 (10%)	Unspecified 3,089 (9%)	Unspecified 2,308 (8%)	Overexertion 796 (5%)	Unspecified 9,451 (7%)
6	Hot Object / Scald 35 (4%)	Poisoning 326 (4%)	Pedal Cyclist, Non- Traffic 275 (4%)	Unspecified 419 (4%)	Assault 1,026 (7%)	Assault 1,345 (10%)	MVT*, Occupant 3,074 (8%)	MVT*, Occupant 2,084 (7%)	MVT*, Occupant 737 (4%)	MVT*, Occupant 9,043 (7%)
7	Cut / Pierce 25 (3%)	Overexertion 261 (3%)	Unspecified 255 (4%)	Natural / Environmental 379 (4%)	Unspecified 702 (5%)	Unspecified 984 (7%)	Assault 2,463 (7%)	Natural / Environmental 1,276 (4%)	Natural / Environmental 546 (3%)	Assault 6,176 (5%)
8	MVT*, Occupant 22 (2%)	Hot Object / Scald 175 (2%)	MVT*, Occupant 194 (3%)	Assault 319 (3%)	Natural / Environmental 414 (3%)	Natural / Environmental 502 (4%)	Natural / Environmental 1,407 (4%)	Assault 910 (3%)	Poisoning 133 (1%)	Natural / Environmental 5,668 (4%)
9	Overexertion 19 (2%)	MVT*, Occupant 114 (1%)	Poisoning 78 (1%)	MVT*, Occupant 246 (2%)	Self-inflicted 260 (2%)	Poisoning 194 (1%)	Poisoning 452 (1%)	Poisoning 327 (1%)	Machinery 104 (1%)	Poisoning 1,980 (1%)
10	Assault 8 (1%)	Pedal Cyclist, Non- Traffic 67 (1%)	Transport, Non- Traffic 73 (1%)	Transport, Non- Traffic 160 (2%)	Pedal Cyclist, Non- Traffic 212 (2%)	Self-inflicted 194 (1%)	Transport, Non- Traffic 375 (1%)	Machinery 327 (1%)	Assault 68 (0%)	Pedal Cyclist, Non- Traffic 1,581 (1%)

Yearly Average (percent of age group)

MVT* = Motor Vehicle Traffic

*Data based on three year total frequencies of less than six are not reportable

	Intentional Injury
	Unintentional Injury

Source: NYSDOH, Bureau of Occupational Health and Injury Prevention

www.health.ny.gov/injury/

STATISTICS 2013

01/14/2013

01/14/2013

01/14/2013

01/14/2013

01/14/2013

01/14/2013

01/14/2013

01/14/2013

Hospitalizations Due to Injury
Leading Causes by Age Group
Western Trauma Region, New York State Residents, 2010-2012

Rank	Age Group									
	0<1	1-4	5-9	10-14	15-19	20-24	25-44	45-64	65+	Total
1	Fall 34 (36%)	Fall 60 (28%)	Fall 40 (31%)	Fall 40 (18%)	Self-inflicted 121 (28%)	Self-inflicted 122 (24%)	Self-inflicted 387 (23%)	Fall 1,136 (40%)	Fall 4,705 (73%)	Fall 6,418 (51%)
2	Assault 12 (13%)	Poisoning 47 (22%)	MVT ^a , Pedestrian 12 (10%)	Struck By, Against 35 (16%)	Assault 54 (12%)	Assault 73 (14%)	Fall 308 (18%)	Poisoning 280 (10%)	Unspecified 416 (6%)	Self-inflicted 979 (8%)
3	Suffocation 11 (12%)	Natural / Environmental 13 (6%)	Struck By, Against 10 (8%)	Self-inflicted 25 (11%)	Fall 44 (10%)	MVT ^a , Occupant 63 (12%)	Poisoning 177 (11%)	Self-inflicted 279 (10%)	Poisoning 163 (3%)	Poisoning 768 (6%)
4	Natural / Environmental 6 (6%)	Struck By, Against 12 (6%)	Natural / Environmental 9 (7%)	Transport, Non- Traffic 17 (8%)	MVT ^a , Occupant 38 (9%)	Fall 51 (10%)	Assault 148 (9%)	Unspecified 186 (6%)	MVT ^a , Occupant 128 (2%)	Unspecified 703 (6%)
5	Unspecified 5 (5%)	Hot Object / Scald 11 (5%)	Pedal Cyclist, Non- Traffic 8 (6%)	Pedal Cyclist, Non- Traffic 11 (5%)	Poisoning 34 (8%)	Poisoning 47 (9%)	MVT ^a , Occupant 111 (7%)	MVT ^a , Occupant 114 (4%)	Struck By, Against 108 (2%)	MVT ^a , Occupant 482 (4%)
6	Poisoning 5 (5%)	Assault 10 (5%)	MVT ^a , Occupant 7 (5%)	MVT ^a , Pedestrian 11 (5%)	Struck By, Against 33 (8%)	Transport, Non- Traffic 17 (3%)	Unspecified 62 (4%)	Assault 82 (3%)	Overexertion 78 (1%)	Assault 400 (3%)
7	Hot Object / Scald 3 (4%)	MVT ^a , Occupant 9 (4%)	Poisoning 7 (5%)	Natural / Environmental 11 (5%)	Transport, Non- Traffic 16 (4%)	Unspecified 16 (3%)	Struck By, Against 47 (3%)	Natural / Environmental 72 (1%)	Natural / Environmental 327 (3%)	Struck By, Against 703 (6%)
8	Struck By, Against 3 (3%)	Suffocation 8 (4%)	Cut / Pierce 5 (4%)	MVT ^a , Occupant 10 (4%)	MVT ^a , Pedestrian 12 (3%)	Struck By, Against 14 (3%)	Natural / Environmental 40 (2%)	Struck By, Against 66 (2%)	Suffocation 52 (1%)	Transport, Non- Traffic 170 (1%)
9	MVT ^a , Occupant 2 (2%)	Drowning / Submersion 6 (3%)	Transport, Non- Traffic 5 (4%)	Poisoning 8 (4%)	Natural / Environmental 8 (2%)	Natural / Environmental 12 (2%)	MVT ^a , Motorcyclist 39 (2%)	MVT ^a , Motorcyclist 65 (2%)	Self-inflicted 45 (1%)	Overexertion 167 (1%)
10	*	MVT ^a , Pedestrian 5 (2%)	Drowning / Submersion 3 (3%)	MVT ^a , Pedal Cyclist 8 (4%)	Pedal Cyclist, Non- Traffic 7 (2%)	MVT ^a , Motorcyclist 11 (2%)	Transport, Non- Traffic 37 (2%)	Transport, Non- Traffic 51 (2%)	Transport, Non- Traffic 24 (0%)	MVT ^a , Motorcyclist 130 (1%)

Yearly Average (percent of age group)

MVT^a = Motor Vehicle Traffic

*Data based on three year total frequencies of less than six are not reportable

	Intentional Injury
	Unintentional Injury

Source: NYSDOH, Bureau of Occupational Health and Injury Prevention

www.health.ny.gov/statistics/

STATISTICS
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NEW YORK
Department of Health

Injury Related Deaths
Leading Causes by Age Group
Western Trauma Region, New York State Residents, 2010-2012

Rank	Age Group									
	0<1	1-4	5-9	10-14	15-19	20-24	25-44	45-64	65+	Total
1	Suffocation 2 (58%)	*	*	*	Suicide 11 (32%)	Poisoning 16 (25%)	Suicide 55 (29%)	Suicide 73 (33%)	Fall 89 (37%)	Suicide 182 (24%)
2	*	*	*	*	Homicide 8 (23%)	Homicide 16 (24%)	Poisoning 53 (28%)	Poisoning 43 (19%)	Unspecified 31 (13%)	Poisoning 118 (15%)
3	*	*	*	*	Poisoning 4 (11%)	Suicide 16 (24%)	Homicide 26 (14%)	Fall 14 (6%)	Suffocation 28 (12%)	Fall 107 (14%)
4	*	*	*	*	MVT ^a , Unspecified 2 (7%)	MVT ^a , Unspecified 6 (9%)	MVT ^a , Unspecified 10 (5%)	MVT ^a , Unspecified 14 (6%)	Suicide 26 (11%)	Homicide 64 (8%)
5		*		*	MVT ^a , Occupant 2 (6%)	MVT ^a , Occupant 5 (7%)	MVT ^a , Motorcyclist 9 (5%)	Homicide 9 (4%)	MVT ^a , Unspecified 14 (6%)	MVT ^a , Unspecified 48 (6%)
6				*	*	*	MVT ^a , Occupant 7 (4%)	MVT ^a , Occupant 8 (4%)	MVT ^a , Occupant 14 (6%)	Suffocation 44 (6%)
7				*	*	*	Suffocation 4 (2%)	Fire / Flame 8 (3%)	MVT ^a , Pedestrian 6 (3%)	Unspecified 41 (5%)
8					*	*	MVT ^a , Pedestrian 3 (2%)	Suffocation 7 (3%)	Fire / Flame 6 (3%)	MVT ^a , Occupant 36 (5%)
9					*	*	Fall 3 (1%)	MVT ^a , Motorcyclist 7 (3%)	Homicide 4 (2%)	MVT ^a , Pedestrian 21 (3%)
10					*	*	Unspecified 3 (1%)	MVT ^a , Pedestrian 7 (3%)	Natural / Environmental 3 (1%)	MVT ^a , Motorcyclist 18 (2%)

Yearly Average (percent of age group)

MVT^a = Motor Vehicle Traffic^aData based on three year total frequencies of less than six are not reportable

	Intentional Injury
	Unintentional Injury

Source: NYSDOH, Bureau of Occupational Health and Injury Prevention

www.health.ny.gov/injury/

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Vital Statistics Deaths

01/16/2013

01/16/2013

01/16/2013

01/16/2013

01/16/2013