Central New York

Trauma Registry Regional Progress Report 2010-2013

New York State Department of Health Office of Primary Care and Health Systems Management May, 2016

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Introduction

The purpose of this report is to present summary statistics of traumarelated 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 Central 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 dispently 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 Central New York Region for the discharge years 2010-2013, who were included in the New York State Trauma Registry. There were a total of 6,599 trauma cases amongst the residents of the Central New York Region. The key findings include the following:

- Annually, there were an average of 1,650 trauma incidents with a 8.73% case fatality rate.
- The median EMS response time was 8 minutes.
- The median transport time to an appropriate trauma center was 20 minutes, for adults, and 21 minutes, for children under 15 years of age.
- 35% 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 3 hours.
- The median length of stay for surviving patients with an injury severity score of > 25 was 9.7 days.
- The median time in the emergency department for patients with an injury severity score of ≥ 25 was 2.8 hours
- The risk ratio, observed fatality rate expected fatality rate (expected fatality rate), for all trauma from the Central New York Region was 1.17. (State average is 1)



Central New York (CNY) Incident Summary (with comparison to state)

Categories	Central I	New York	Incid	ence*	Case Fa	Case Fatality Rate**		
	Incidents	Fatalities	CNY	State	CNY	State		
Year								
2010	1,635	128	9.34	9.05	7.83	6.39		
2011	1,718	149	9.81	8.73	8.67	6.79		
2012	1,656	148	9.46	8.59	8.94	6.77		
2013	1,590	151	9.10	8.16	9.50	6.58		
Age								
0-5	333	17	6.92	5.38	5.11	2.14		
6-13	266	8	3.94	3.06	3.01	1.73		
14-34	1,795	119	8.71	8.06	6.63	4.96		
35-64	2,225	150	8.14	7.17	6.74	5.28		
65+	1,980	282	20.43	21.13	14.24	10.63		
Sex								
Male	4,326	382	12.50	11.72	8.83	6.80		
Female	2,273	194	6.42	5.72	8.53	6.31		
ISS								
0-9	2,221	79	3.17	3.07	3.56	1.77		
10-15	1,429	57	2.04	1.83	3.99	1.86		
16-24	1,743	101	2.49	2.23	5.79	4.44		
25-34	817	185	1.17	0.89	22.64	25.31		
35-75	322	149	0.46	0.31	46.27	45.37		
NA	67	5	0.10	0.29	7.46	6.73		
Four Year Total								
All Trauma	6,599	576	9.43	8.63	8.73	6.63		

^{*} Incidents per 10,000 residents



Department of Health

^{**} Case Fatality Rate as a percent

Central New York (CNY) Regional Incident Classification (with comparison to state)

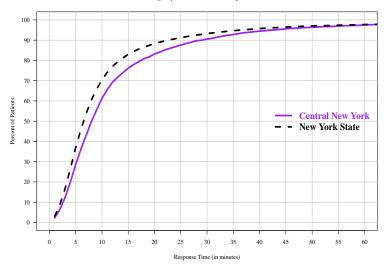
Category	Central I	New York	Incid	lence*	Case Fa	tality Rate**
	Incidents	Fatalities	CNY	State	CNY	State
Selected Mechanism of Injury						
Fall	2,597	240	3.71	3.67	9.24	7.33
Motor Vehicle Traffic	2,058	189	2.94	2.47	9.18	6.67
Transport, non traffic	442	7	0.63	0.28	1.58	3.16
Struck by, against	352	14	0.50	0.55	3.98	2.07
Firearm	206	51	0.29	0.38	24.76	14.02
Unspecified	112	22	0.16	0.13	19.64	7.05
Other Specified and Classifiable	53	9	0.08	0.06	16.98	9.21
Intention of Injury						
Unintentional	5,612	476	8.02	6.99	8.48	6.60
Assault	459	39	0.66	1.02	8.50	5.87
Undetermined/Other	450	46	0.64	0.54	10.22	6.45
Self-Inflicted	78	21	0.11	0.08	26.92	19.88
Type of Injury						
Blunt	5,638	455	8.06	7.18	8.07	6.41
Other	695	69	0.99	0.82	9.93	6.15
Penetrating	266	52	0.38	0.63	19.55	9.79
Four Year Total						
All Trauma	6,599	576	9.43	8.63	8.73	6.63

^{*} Incidents per 10,000 residents



^{**} Case Fatality Rate as a percent

Emergency Medical Service Response Time*

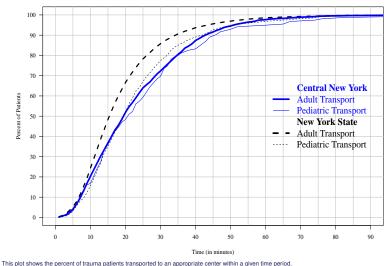


This plot shows the percent of incidents responded to by EMS within a given time period. *Response time is calculated as the time from emergency phone call to medical service's arrival at scene.



designation for patients over 15 years of age.

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

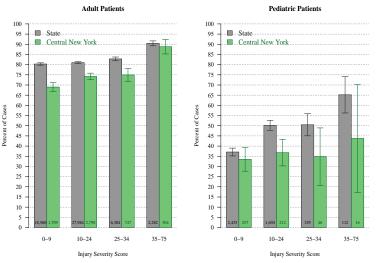


*Transport time is calculated as time from emergency medical service's departure from the scene of injury to arrival at hospital.

**Patient appropriate trauma center means either pediatric or dual designated for patients under 15 and either adult or dual



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



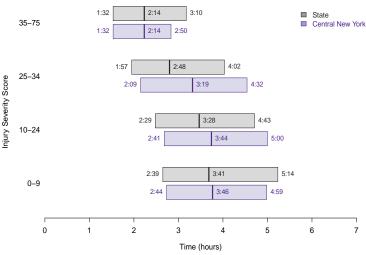
Registry data only includes data from patients that made it to a Trauma Center. Walk-ins excluded. 95% confidence intervals are shown around means.

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.





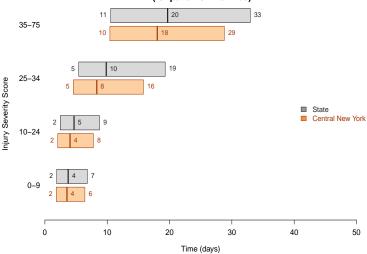
Quartile Plot of Time at Referring Hospital by Injury Severity Score (for patients who where referred to a trauma center)



The quartile plot highlights the middle 50% of patients with the box. The center line denotes the median (the 50% 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.

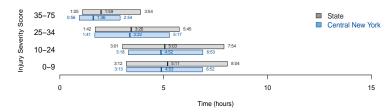


Central New York (CNY) Complication Incidence and Mortality

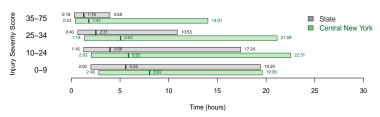
Complications	Central I	New York	Freque	ency (%)	Fatality	Rate (%)
	Incidents	Fatalities	CNY	State	CNY	State
pneumonia	163	29	2.47	2.71	17.8	16.5
new urinary tract infection	119	11	1.80	1.96	9.2	8.2
acute lung injury	100	22	1.52	2.25	22.0	24.0
cardiac arrest in hospital	86	71	1.30	0.88	82.6	82.7
other unspecified	61	12	0.92	4.31	19.7	18.4
acute kidney injury	41	13	0.62	0.89	31.7	28.1
new decubitus ulcer	37	5	0.56	0.69	13.5	13.4
withdrawal from alcohol or drugs	36	1	0.55	0.94	2.8	2.8
severe sepsis	33	15	0.50	0.93	45.5	33.3
deep vein thrombosis	30	4	0.45	0.83	13.3	9.5
unplanned intubation	24	6	0.36	0.62	25.0	28.9
pulmonary embolism	22	2	0.33	0.35	9.1	13.5
extremity compartment syndrome	17	0	0.26	0.31	0.0	4.8
new stroke or cerebral vascular accident	17	6	0.26	0.14	35.3	18.6
new myocardial infarction	11	3	0.17	0.24	27.3	33.3
superficial surgical site infection	11	1	0.17	0.19	9.1	2.3
deep surgical site infection	5	0	0.08	0.13	0.0	7.8
catheter related blood stream infection	3	0	0.05	0.10	0.0	14.3
organ or space surgical site infection	2	0	0.03	0.11	0.0	4.0
unplanned return to ICU	1	0	0.02	0.13	0.0	12.8
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

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Quartile Plot of Time In Emergency Department by Injury Severity Score



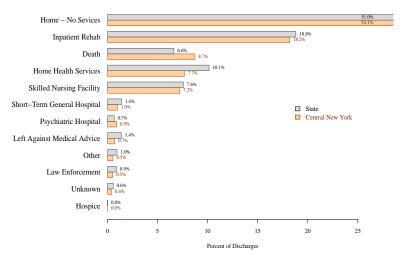
Quartile Plot of Time Until First Procedure by Injury Severity Score



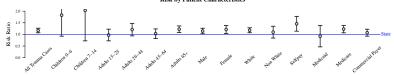
The quartile plot highlights the middle 50% of patients with the box. The center line denotes the median (the 50th percentile), 25% of patients therefore fall below the range of the box, and 25% fall above the range of the box.



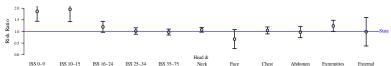
Discharge Destination



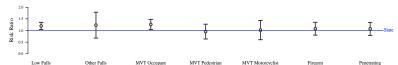




Risk by Severity and Location of Injury



Risk by Type of Trauma



Risk Ratio = observed fatality rate 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.



Central New York Regional Risk Adjusted Fatality Rates

Categories		Central New York Region (CNY)						
	N	Observed	Expected	Risk Ratio	State	CNY		
Overall								
All Trauma Cases	5,958	8.4%	7.2%	1.2 ± 0.1	6.6%	7.7%		
Age								
Children 0-6	299	5.0%	2.7%	1.8 ± 0.9	2.3%	4.2%		
Children 7-14	270	3.3%	1.6%	2.0 ± 1.3	2.1%	4.3%		
Adults 15-25	977	5.6%	5.8%	1.0 ± 0.3	4.7%	4.6%		
Adults 26-44	1,064	6.9%	5.7%	1.2 ± 0.3	4.6%	5.6%		
Adults 45-64	1,402	6.3%	6.2%	1.0 ± 0.2	5.5%	5.6%		
Adults 65+	1,828	13.8%	11.3%	1.2 ± 0.1	10.6%	13.0%		
Gender								
Male	3,822	8.6%	7.5%	1.1 ± 0.1	6.8%	7.8%		
Female	2,136	8.1%	6.7%	1.2 ± 0.2	6.2%	7.5%		
Race								
White	5,230	8.3%	7.1%	1.2 ± 0.1	6.9%	8.1%		
Non White	728	9.1%	8.3%	1.1 ± 0.3	5.9%	6.5%		
Primary Payor								
Selfpay	479	14.4%	9.9%	1.5 ± 0.3	10.0%	14.6%		
Medicaid	343	4.4%	4.7%	0.9 ± 0.5	4.0%	3.7%		
Medicare	1,630	12.4%	10.1%	1.2 ± 0.2	9.8%	12.19		
Commercial Payer	2,816	6.7%	6.2%	1.1 ±0.1	5.2%	5.6%		

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



Central New York Regional Risk Adjusted Fatality Rates

Categories		Central New	York Region (CNY)	Comp	Comparison*	
	N	Observed	Expected	Risk Ratio	State	CNY	
Injury Severity Score (ISS)							
ISS 0-9	2,000	3.5%	1.9%	1.9 ± 0.4	1.8%	3.3%	
ISS 10-15	1,302	3.8%	2.0%	2.0 ± 0.5	1.8%	3.6%	
ISS 16-24	1,631	5.8%	4.8%	1.2 ± 0.2	4.3%	5.2%	
ISS 25-34	747	21.7%	21.3%	1.0 ± 0.1	25.2%	25.7%	
ISS 35-75	278	45.0%	46.2%	1.0 ± 0.1	44.6%	43.4%	
Location of Injury							
Head & Neck	2,895	12.6%	11.7%	1.1 ± 0.1	10.5%	11.3%	
Face	64	14.1%	21.0%	0.7 ± 0.4	15.0%	10.1%	
Chest	1,789	9.6%	9.2%	1.0 ± 0.1	8.6%	9.0%	
Abdomen	511	11.0%	11.3%	1.0 ± 0.2	10.5%	10.2%	
Extremities	1,263	7.3%	5.9%	1.2 ± 0.2	5.7%	7.0%	
External	9	55.6%	56.3%	1.0 ± 0.6	33.6%	33.2%	
Falls							
Low Falls	2,084	10.1%	8.5%	1.2 ± 0.2	8.0%	9.5%	
Other Falls	425	4.2%	3.4%	1.2 ± 0.6	3.8%	4.7%	
Motor Vehical Traffic (MVT)							
MVT Occupant	1,342	8.6%	6.9%	1.3 ± 0.2	5.7%	7.2%	
MVT Pedestrian	232	12.9%	13.6%	1.0 ± 0.3	9.9%	9.4%	
MVT Motorcyclist	371	5.9%	5.8%	1.0 ± 0.4	5.2%	5.3%	
Other							
Firearm	192	23.4%	21.8%	1.1 ± 0.3	12.8%	13.8%	
Penetrating	247	18.6%	17.4%	1.1 ± 0.3	9.1%	9.7%	

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

Central Region Residents, 2010-2012

		De	aths	Hospita	lizations	ED Visits		
		Mean Annual	Rate per 100,000	Mean Annual	Rate per 100,000	Mean Annual	Rate per 100,000	
		Frequency	Residents	Frequency	Residents	Frequency	Residents	
	Total	882	50.8	13,916	801.3	134,553	7,747.7	
	0<1 9		46.2	82	439	1,215	6,476.7	
	1-4	10	12.2	187	236.5	9,247	11,697.5	
	5-9 4		3.7**	123	123.7	7,665	7,709.5	
roup	10-14	5	5**	184	174.1	10,433	9,870.3	
9	15-19	36	26.2	557	408.5	14,006	10,277.2	
99	20-24	65	43.5	737	496	14,798	9,962.6	
٩	25-44	205	49.5	2,184	528.2	35,936	8,690.1	
	45-64	241	50.4	3,131	653.4	25,646	5,352.4	
	65+	307	119.9	6,731	2,626.5	15,607	6,090.3	
der	Male	581	67.7	6,414	753.2	70,249	8,186.2	
Ē	Female	300	34.2	7,501	859.3	64,301	7,319	
ĕ	Unknown	0	n/a	n/a	n/a	4	n/a	

Brain Injury	28%	11%	8%
	•	•	
Mean Charge per			
Hospitalization or ED	n/a	\$25,525	\$1,278
Visit			
Mean One Year Total			
Hospitalization or ED	n/a	\$355,201,743	\$171,926,512
Visit Charges			
Three Year Total			
Hospitalization or ED	n/a	\$1,065,605,230	\$515,779,536
Visit Charges			
Average Length of	,	_	

^{*}The incidence of ED visits does not include patients who were subsequently admitted into the hospital

n/a

Hospital Stay (Days)

Source: NYSDOH, Bureau of Occupational Health and Injury Prevention www.health.ny.gov/prevention/injury_prevention/

n/a

Vital Statistics Death File February 2014



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

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

					Age (Group				
Rank	0<1	1-4	5-9	10-14	15-19	20-24	25-44	45-64	65+	Total
	Fall	Fall	Fall	Struck By, Against	Struck By, Against	Fall	Fall	Fall	Fall	Fall
1	573 (47%)	3,530 (38%)	2,413 (31%)	2,707 (26%)	3,034 (22%)	2,350 (16%)	6,564 (18%)	7,344 (29%)	8,625 (55%)	36,279 (27%)
	Struck By, Against	Struck By, Against	Struck By, Against	Fall	Fall	Struck By, Against	Overexertion	Overexertion	Unspecified	Struck By, Against
2	133 (11%)	1,418 (15%)	1,561 (20%)	2,565 (25%)	2,314 (17%)	1,934 (13%)	4,744 (13%)	2,623 (10%)	1,267 (8%)	17,947 (13%)
		Natural /	Natural /							
	Unspecified	Environmental	Environmental	Overexertion	Overexertion	Overexertion	Struck By, Against	Unspecified	Struck By, Against	Overexertion
3	89 (7%)	901 (10%)	739 (10%)	998 (10%)	1,497 (11%)	1,620 (11%)	4,074 (11%)	2,324 (9%)	833 (5%)	12,769 (9%)
	Natural /									
	Environmental	Unspecified	Cut / Pierce	Cut / Pierce	MVT^, Occupant	Cut / Pierce	Unspecified	Struck By, Against	Overexertion	Unspecified
4	63 (5%)	480 (5%)	542 (7%)	634 (6%)	993 (7%)	1,345 (9%)	3,615 (10%)	2,252 (9%)	678 (4%)	10,763 (8%)
	Poisoning	Cut / Pierce	Unspecified	Unspecified	Cut / Pierce	MVT^, Occupant	Cut / Pierce	Cut / Pierce	Cut / Pierce	Cut / Pierce
5	42 (3%)	416 (4%)	343 (4%)	531 (5%)	937 (7%)	1.233 (8%)	3.213 (9%)	2.202 (9%)	645 (4%)	9,963 (7%)
-	,,			Natural /	, . ,	,,	., .,,	, . , . ,	Natural /	.,,
	Hot Object / Scald	Poisoning	Overexertion	Environmental	Unspecified	Unspecified	MVT^, Occupant	MVT^, Occupant	Environmental	MVT^, Occupant
6	38 (3%)	325 (4%)	290 (4%)	477 (5%)	895 (6%)	1.219 (8%)	2.405 (7%)	1,585 (6%)	580 (4%)	7,376 (5%)
-		, . ,	Pedal Cyclist, Non-	Pedal Cyclist, Non-	,	, ,,,,,,	, , . ,	Natural /	,	Natural /
	Cut / Pierce	Overexertion	Traffic	Traffic	Assault	Assault	Assault	Environmental	MVT^, Occupant	Environmental
7	29 (2%)	299 (3%)	281 (4%)	402 (4%)	838 (6%)	1,136 (8%)	2,045 (6%)	1,403 (5%)	572 (4%)	6,762 (5%)
					Natural /	Natural /	Natural /			
	MVT^, Occupant	Hot Object / Scald	MVT^, Occupant	Assault	Environmental	Environmental	Environmental	Assault	Poisoning	Assault
8	25 (2%)	188 (2%)	190 (2%)	280 (3%)	442 (3%)	560 (4%)	1,596 (4%)	687 (3%)	159 (1%)	5,167 (4%)
			Transport, Non-							
	Overexertion	MVT^, Occupant	Traffic	MVT^, Occupant	Self-Inflicted	Self-Inflicted	Self-Inflicted	Machinery	Machinery	Poisoning
9	19 (2%)	133 (1%)	91 (1%)	237 (2%)	357 (3%)		487 (1%)	291 (1%)	104 (1%)	1,713 (1%)
		Pedal Cyclist, Non-		Transport, Non-	Transport, Non-	Transport, Non-	Transport, Non-		Transport, Non-	Transport, Non-
	Suffocation	Traffic	Poisoning	Traffic	Traffic	Traffic	Traffic	Poisoning	Traffic	Traffic
10	12 (1%)	73 (1%)	73 (1%)	202 (2%)	273 (2%)	198 (1%)	481 (1%)	291 (1%)	76 (0%)	1,620 (1%)
					fearly Average (percen	t of age group)	•			

†The incidence of ED visits does not include those that were subsequently admitted into the hospital MVT^ = Motor Vehicle Traffic

MV In = Motor Venicle Traffic

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

Unintentional Injury



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

					Age (Group				
Rank	0<1	1-4	5-9	10-14	15-19	20-24	25-44	45-64	65+	Total
	Fall	Fall	Fall	Fall	Self-Inflicted	Self-Inflicted	Self-Inflicted	Fall	Fall	Fall
1	22 (27%)	55 (29%)	50 (41%)	41 (22%)	189 (34%)	229 (31%)	646 (30%)	1,155 (37%)	4,685 (70%)	6,425 (46%)
							Fall			
	Assault	Poisoning	Struck By, Against	Self-Inflicted	MVT^, Occupant	MVT^, Occupant		Self-Inflicted	Unspecified	Self-Inflicted
2	16 (19%)	38 (20%)	8 (7%)	28 (15%)	73 (13%)	94 (13%)	315 (14%)	373 (12%)	408 (6%)	1,520 (11%)
	Sufforation	Natural / Environmental	Transport, Non- Traffic	Transport, Non- Traffic	Fall	Poisoning	Poisoning	Poisoning	Poisoning	Poisoning
3	9 (11%)	15 (8%)	8 (7%) Pedal Cyclist, Non-	20 (11%)	44 (8%)	66 (9%)	222 (10%)	279 (9%)	213 (3%)	868 (6%)
	Unspecified	Assault	Traffic	Struck By, Against	Assault	Assault	MVT^, Occupant	Unspecified	MVT^, Occupant	Unspecified
4	7 (9%)		8 (7%)	18 (10%)	43 (8%)	65 (9%)	152 (7%)	178 (6%)	153 (2%)	709 (5%)
	, ,			Pedal Cyclist, Non-				- , ,	,.,	,,
	Poisoning	Hot Object / Scald	Cut / Pierce	Traffic	Poisoning	Fall	Assault	MVT^, Occupant	Struck By, Against	MVT^, Occupant
5	6 (7%)	12 (6%)	6 (5%)	13 (7%)	37 (7%)	59 (8%)	144 (7%)	166 (5%)	99 (1%)	657 (5%)
	Natural /		Natural /			Transport, Non-		Natural /	Natural /	
	Environmental	Struck By, Against	Environmental	MVT^, Occupant	Struck By, Against	Traffic	Unspecified	Environmental	Environmental	Assault
6	5 (6%)	7 (4%)	6 (5%)	8 (4%)	29 (5%)	27 (4%)	78 (4%)	110 (4%)	95 (1%)	370 (3%)
					Transport, Non-		Transport, Non-			
	Hot Object / Scald	Unspecified	MVT^, Occupant	Assault	Traffic	Struck By, Against	Traffic	MVT^, Motorcyclist	Suffocation	Struck By, Against
7	2 (3%)	5 (2%)	6 (5%)	7 (4%)	27 (5%)	22 (3%)	68 (3%)	71 (2%)	76 (1%)	309 (2%)
					Pedal Cyclist, Non-		Natural /			Transport, Non-
	Struck By, Against	MVT^, Occupant	MVT^, Pedestrian	MVT^, Pedestrian	Traffic	Cut / Pierce	Environmental	Struck By, Against	Overexertion	Traffic
8	2 (2%)	4 (2%)	4 (4%)	7 (4%)	9 (2%)	18 (2%)	59 (3%)	68 (2%)	67 (1%)	256 (2%)
				Natural /				Transport, Non-		
	•	Fire / Flame	Unspecified	Environmental	Overexertion	MVT^, Motorcyclist	Struck By, Against	Traffic	Self-Inflicted	Overexertion
9		3 (2%)	4 (3%)	6 (3%)	9 (2%)	18 (2%)	56 (3%)	67 (2%)		172 (1%)
									Transport, Non-	
	•	Suffocation	Poisoning	MVT^, Pedal Cyclist	Unspecified	Unspecified	MVT^, Motorcyclist	Assault	Traffic	MVT^, Motorcyclist
10		3 (2%)	4 (3%)	6 (3%)	9 (2%)	18 (2%)	52 (2%)	67 (2%)	38 (1%)	157 (1%)
					fearly Average (percen	t 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





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

	Age Group										
Rank	0<1	1-4	5-9	10-14	15-19	20-24	25-44	45-64	65+	Total	
1	Suffocation 5 (58%)	Homicide 3 (28%)		MVT^, Unspecified 2 (38%)	Suicide 11 (30%)	Suicide 16 (25%)	Suicide 64 (31%)	Suicide 74 (31%)	Fall 134 (44%)	Suicide 200 (23%)	
2					MVT^, Occupant 7 (19%)	MVT^, Occupant 11 (17%)	Poisoning 49 (24%)	Poisoning 49 (20%)	Unspecified 35 (11%)	Fall 158 (18%)	
3					Homicide 5 (15%)	Homicide 10 (15%)	MVT^, Occupant 18 (9%)	Fall 18 (7%)	Suicide 34 (11%)	Poisoning 117 (13%)	
4					MVT^, Unspecified 3 (8%)	Poisoning 9 (13%)	Homicide 12 (6%)	MVT^, Occupant 14 (6%)	Suffocation 28 (9%)	MVT^, Occupant 71 (8%)	
5						MVT^, Unspecified 8 (12%)	MVT^, Motorcyclist 10 (5%)	MVT^, Unspecified 12 (5%)	MVT^, Occupant 22 (7%)	Suffocation 51 (6%)	
6							MVT^, Unspecified 9 (5%)	Suffocation 10 (4%)	MVT^, Unspecified 10 (3%)	Unspecified 48 (5%)	
7							Fall 5 (2%)	MVT^, Motorcyclist 9 (4%)	Poisoning 8 (2%)	MVT^, Unspecified 45 (5%)	
8							Suffocation 4 (2%)	Unspecified 8 (3%)	MVT^, Pedestrian 7 (2%)	Homicide 42 (5%)	
9							MVT^, Pedestrian 4 (2%)	Homicide 7 (3%)	Fire / Flame 6 (2%)	MVT^, Motorcyclist 23 (3%)	
10					* Yearly Average (percen	•	Fire / Flame 4 (2%)	MVT^, Pedestrian 5 (2%)	Natural / Environmental 4 (1%)	MVT^, Pedestrian 21 (2%)	

MVT^ = Motor Vehicle Traffic

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

Intentional Injury

Unintentional Injury

