Hudson Valley Region

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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Executive Summary

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 Hudson Valley Region Region were included.

Acknowledgement

The State Health Department would like to thank: the New York frauma 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 disgently 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 openerate the tables and figures presented in this report.

Data Summary

This report summarizes the trauma cases for residents of the Hudson Valley Region for the discharge years 2010-2013, who were included in the New York State Trauma Registry. There were a total of 7,628 trauma cases amongst the residents of the Hudson Valley Region. The key findings include the following:

- Annually, there were an average of 1,907 trauma incidents with a 5.55% case fatality rate.
- The median EMS response time was 9 minutes.
- The median transport time to an appropriate trauma center was 21 minutes, for adults, and 28 minutes, for children under 15 years of age.
- 30% 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 13.1 days.
- The median time in the emergency department for patients with an injury severity score of ≥ 25 was 3.7 hours
- The risk ratio, observed fatality rate, for all trauma from the expected fatality rate, for all trauma from the Hudson Valley Region was 0.97. (State average is 1)



Hudson Valley Region (HVR) Incident Summary (with comparison to state)

3 9.05 7 8.73 7 8.59 9 8.16	5.05 3 5.95	6.39 6.79
7 8.73 7 8.59	5.95	
7 8.73 7 8.59	5.95	
7 8.59		6.79
	5.21	
9 8.16		6.77
	5.98	6.58
1 5.38	1.23	2.14
8 3.06	1.42	1.73
9 8.06	2.78	4.96
1 7.17	4.02	5.28
8 21.13	11.16	10.63
2 11.72	5.72	6.80
2 5.72	5.21	6.31
6 3.07	1.55	1.77
3 1.83	1.66	1.86
5 2.23	3 4.14	4.44
5 0.89	23.10	25.31
4 0.31	30.18	45.37
3 0.29	5.27	6.73
	5.55	6.63
3	33 1.83 5 2.23 85 0.89 24 0.31 63 0.29	33 1.83 1.66 15 2.23 4.14 35 0.89 23.10 24 0.31 30.18 33 0.29 5.27

^{*} Incidents per 10,000 residents





^{**} Case Fatality Rate as a percent

Hudson Valley Region (HVR) Regional Incident Classification (with comparison to state)

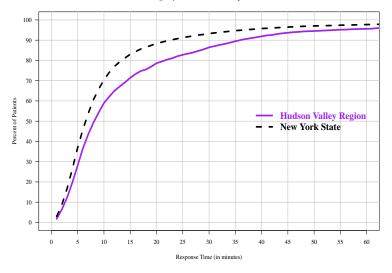
Category	Hudson Va	lley Region	Incid	ence*	Case Fa	tality Rate*
	Incidents	Fatalities	HVR	State	HVR	State
Selected Mechanism of Injury						
Fall	3,117	235	3.38	3.67	7.54	7.3
Motor Vehicle Traffic	2,521	111	2.73	2.47	4.40	6.6
Struck by, against	439	7	0.48	0.55	1.59	2.0
Transport, non traffic	270	11	0.29	0.28	4.07	3.1
Firearm	173	13	0.19	0.38	7.51	14.0
Unspecified	95	9	0.10	0.13	9.47	7.0
Intention of Injury						
Unintentional	6,571	376	7.12	6.99	5.72	6.6
Assault	501	12	0.54	1.02	2.40	5.8
Undetermined/Other	491	14	0.53	0.54	2.85	6.4
Self-Inflicted	65	9	0.07	0.08	13.85	19.8
Type of Injury						
Blunt	6,580	371	7.13	7.18	5.64	6.4
Other	715	35	0.77	0.82	4.90	6.1
Penetrating	333	17	0.36	0.63	5.11	9.7
Four Year Total						
All Trauma	7,628	423	8.27	8.63	5.55	6.6

^{*} Incidents per 10,000 residents



^{**} Case Fatality Rate as a percent

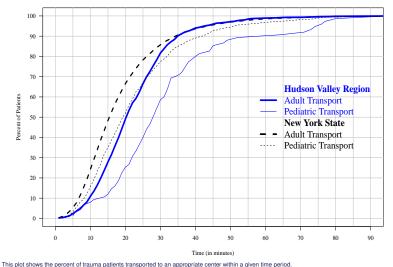
Emergency Medical Service Response Time*



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**

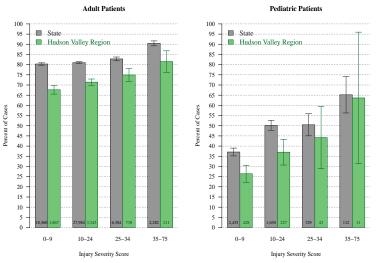


*Transport time is calculated as time from emergency medical service's departure from the scene of injury to arrival at hospital.

**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



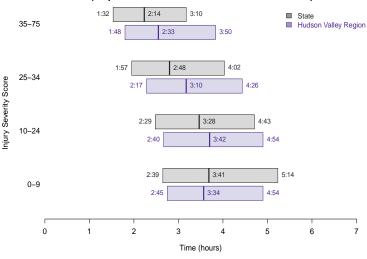
Registry data only includes data from patients that made it to a Trauma Center. Walk-ins excluded. 95% confidence intervals are shown around means.

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.





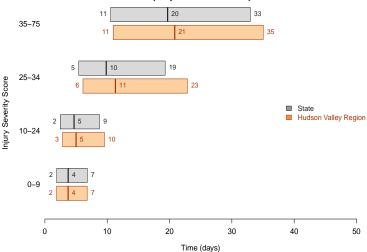
Quartile Plot of Time at Referring Hospital by Injury Severity Score (for patients who where referred to a trauma center)



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

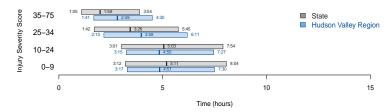


Hudson Valley Region (HVR) Complication Incidence and Mortality

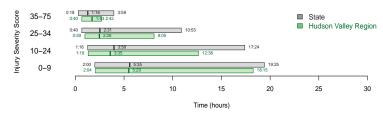
Complications	Hudson Va	lley Region	Freque	ency (%)	Fatality	Fatality Rate (%)		
	Incidents	Fatalities	HVR	State	HVR	State		
other unspecified	755	114	9.90	4.31	15.1	18.4		
acute lung injury	527	120	6.91	2.25	22.8	24.0		
pneumonia	239	29	3.13	2.71	12.1	16.5		
new urinary tract infection	210	11	2.75	1.96	5.2	8.2		
acute kidney injury	132	37	1.73	0.89	28.0	28.1		
deep vein thrombosis	116	15	1.52	0.83	12.9	9.5		
severe sepsis	91	27	1.19	0.93	29.7	33.3		
withdrawal from alcohol or drugs	90	4	1.18	0.94	4.4	2.8		
new decubitus ulcer	76	11	1.00	0.69	14.5	13.4		
cardiac arrest in hospital	61	49	0.80	0.88	80.3	82.7		
extremity compartment syndrome	49	2	0.64	0.31	4.1	4.8		
unplanned intubation	41	12	0.54	0.62	29.3	28.9		
pulmonary embolism	38	9	0.50	0.35	23.7	13.5		
new myocardial infarction	32	4	0.42	0.24	12.5	33.3		
organ or space surgical site infection	29	1	0.38	0.11	3.4	4.0		
superficial surgical site infection	26	1	0.34	0.19	3.8	2.3		
deep surgical site infection	24	2	0.31	0.13	8.3	7.8		
catheter related blood stream infection	19	4	0.25	0.10	21.1	14.3		
new stroke or cerebral vascular accident	14	3	0.18	0.14	21.4	18.6		
unplanned return to ICU	14	2	0.18	0.13	14.3	12.8		
failure of graft, flap, or prosthesis	8	0	0.10	0.03	0.0	0.0		
new bone infection	5	0	0.07	0.03	0.0	0.0		

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Quartile Plot of Time In Emergency Department by Injury Severity Score



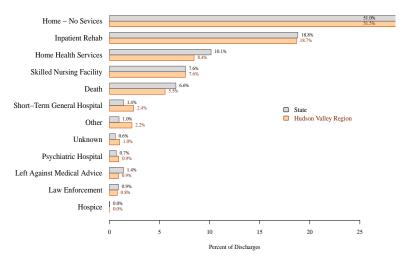
Quartile Plot of Time Until First Procedure by Injury Severity Score



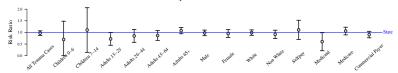
The quartile plot highlights the middle 50% of patients with the box. The center line denotes the median (the 50th percentile), 25% of patients therefore fall below the range of the box, and 25% fall above the range of the box.



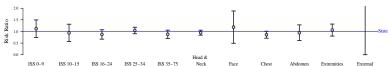
Discharge Destination



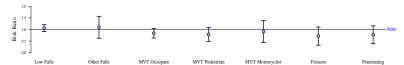
Risk by Patient Characteristics



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.



Hudson Valley Region Regional Risk Adjusted Fatality Rates

Categories	Н	udson Valley I	Region Region	n (HVR)	Compa	arison*
	N	Observed	Expected	Risk Ratio	State	HVR
Overall						
All Trauma Cases	6,447	5.5%	5.7%	1.0 ± 0.1	6.6%	6.4%
Age						
Children 0-6	349	0.9%	1.2%	0.7 ± 0.8	2.3%	1.6%
Children 7-14	327	1.5%	1.4%	1.1 ±1	2.1%	2.3%
Adults 15-25	1,095	2.4%	3.3%	0.7 ± 0.3	4.7%	3.49
Adults 26-44	1,162	3.0%	3.5%	0.8 ± 0.3	4.6%	3.9%
Adults 45-64	1,555	4.1%	4.7%	0.9 ± 0.2	5.5%	4.89
Adults 65+	1,817	11.9%	11.1%	1.1 ± 0.1	10.6%	11.59
Gender						
Male	4,245	5.7%	5.9%	1.0 ± 0.1	6.8%	6.6%
Female	2,202	5.1%	5.4%	0.9 ± 0.2	6.2%	5.9%
Race						
White	4,663	5.5%	5.6%	1.0 ± 0.1	6.9%	6.8%
Non White	1,784	5.5%	6.0%	0.9 ± 0.2	5.9%	5.5%
Primary Payor						
Selfpay	402	6.5%	5.8%	1.1 ± 0.4	10.0%	11.19
Medicaid	320	2.8%	4.7%	0.6 ± 0.4	4.0%	2.49
Medicare	1,341	10.7%	10.1%	1.1 ± 0.2	9.8%	10.49
Commercial Payer	3,999	4.0%	4.4%	0.9 ± 0.1	5.2%	4.79

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



Hudson Valley Region Regional Risk Adjusted Fatality Rates

Categories	Н	ludson Valley	Region Region	n (HVR)	Comp	arison*
	N	Observed	Expected	Risk Ratio	State	HVR
Injury Severity Score (ISS)						
ISS 0-9	2,134	1.5%	1.4%	1.1 ± 0.4	1.8%	2.0%
ISS 10-15	1,540	1.6%	1.7%	0.9 ± 0.4	1.8%	1.7%
ISS 16-24	1,845	3.7%	4.3%	0.9 ± 0.2	4.3%	3.8%
ISS 25-34	717	23.0%	22.1%	1.0 ± 0.1	25.2%	26.3%
ISS 35-75	211	30.8%	35.1%	0.9 ± 0.2	44.6%	39.1%
Location of Injury						
Head & Neck	2,940	9.3%	9.8%	0.9 ± 0.1	10.5%	10.0%
Face	86	11.6%	9.8%	1.2 ± 0.7	15.0%	17.8%
Chest	1,966	6.1%	7.0%	0.9 ± 0.1	8.6%	7.4%
Abdomen	558	5.2%	5.5%	0.9 ± 0.3	10.5%	10.0%
Extremities	1,412	4.4%	4.1%	1.1 ± 0.3	5.7%	6.0%
External	6	33.3%	6.0%	5.5 ± 6.8	33.6%	185.5%
Falls						
Low Falls	2,128	8.7%	8.2%	1.1 ± 0.1	8.0%	8.5%
Other Falls	563	3.6%	3.2%	1.1 ± 0.5	3.8%	4.2%
Motor Vehical Traffic (MVT)						
MVT Occupant	1,527	4.1%	4.8%	0.8 ± 0.2	5.7%	4.8%
MVT Pedestrian	395	6.3%	8.1%	0.8 ± 0.3	9.9%	7.8%
MVT Motorcyclist	387	3.6%	4.0%	0.9 ± 0.5	5.2%	4.8%
Other						
Firearm	168	7.1%	10.0%	0.7 ± 0.4	12.8%	9.2%
Penetrating	308	4.9%	6.3%	0.8 ± 0.4	9.1%	7.1%

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 Hudon Valley 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	840	36.5	18,048	1,419.1	175,476	7,621.6	
	0<1	3	12.5**	89	648.7	1,537	5,744.6	
Group	1-4	4	3.8**	283	488.9	12,081	10,653.9	
	5-9	4	2.7**	230	308.4	11,203	7,426	
	10-14	4	2.7**	308	384.4	15,447	9,741.8	
5	15-19	34	19.9	731	778.7	17,476	10,324.5	
Age	20-24 71		48	845	892.1	15,373	10,334	
	25-44	203	36.1	2,633	861.4	44,574	7,938.9	
	45-64	264	40.5	4,118	1,137.7	37,560	5,762.7	
	65+	252	78.5	8,812	4,658	20,223	6,290.8	
-a	Male	573	50.6	8,567	1,386.7	92,871	8,200.3	
ender	Female	267	22.8	9,481	1,469.8	82,600	7,061	
ĕ	Unknown	n/a	n/a	n/a	n/a	5	n/a	
Percent Traumatic		2	0%		3%		1%	
Brain Ir	njury	3	076		370		170	

Mean Charge per			
Hospitalization or ED	n/a	\$46,812	\$1,797
Visit			
Mean One Year Total			
Hospitalization or ED	n/a	\$844,879,044	\$315,404,644
Visit Charges			
Three Year Total			
Hospitalization or ED	n/a	\$2,534,637,132	\$946,213,933
Visit Charges			
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

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



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 Hudson Valley 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	821 (53%)	5,169 (43%)	3,989 (36%)	4.152 (27%)	3.833 (22%)	2,272 (15%)	7,890 (18%)	10,540 (28%)	11.306 (56%)	49,032 (28%)
-	021 (33 A)	3,203 (43.0)	3,363 (36%)	4,232 (27.0)	3,033 (EE/A)	2,272 (25/4)	7,050 (2071)	10,540 (1071)	11,500 (50%)	45,032 (2071)
	Struck By, Against	Struck By, Against	Struck By, Against	Fall	Fall	Struck By, Against	Overexertion	Cut / Pierce	Unspecified	Struck By, Against
2	140 (9%)	1,997 (17%)	2,517 (22%)	4,143 (27%)	2,903 (17%)	2,043 (13%)	5,486 (12%)	3,882 (10%)	1,347 (7%)	25,191 (14%)
		Natural /	Natural /							
	Unspecified	Environmental	Environmental	Overexertion	Overexertion	MVT^, Occupant	Struck By, Against	Overexertion	Struck By, Against	Overexertion
3	100 (6%)	789 (7%)	764 (7%)	1,813 (12%)	2,105 (12%)	2,015 (13%)	5,409 (12%)	3,818 (10%)	1,327 (7%)	16,824 (10%)
	MVT^, Occupant	Unspecified	Cut / Pierce	Cut / Pierce	MVT^, Occupant	Overexertion	MVT^, Occupant	Struck By, Against	Cut / Pierce	Cut / Pierce
4	61 (4%)	574 (5%)	667 (6%)	853 (6%)	1,755 (10%)	1,627 (11%)	5,073 (11%)	3,773 (10%)	1,123 (6%)	14,832 (8%)
	Natural /									
	Environmental	Cut / Pierce	Overexertion	Unspecified	Assault	Cut / Pierce	Cut / Pierce	MVT^, Occupant	MVT^, Occupant	MVT^, Occupant
5	49 (3%)	496 (4%)	543 (5%)	692 (4%)	1,255 (7%)	1,592 (10%)	4,951 (11%)	3,564 (9%)	1,113 (6%)	14,656 (8%)
				Natural /						
	Poisoning	Overexertion	Unspecified	Environmental	Cut / Pierce	Assault	Unspecified	Unspecified	Overexertion	Unspecified
6	41 (3%)	462 (4%)	442 (4%)	522 (3%)	1,228 (7%)	1,385 (9%)	3,315 (7%)	2,806 (7%)	944 (5%)	11,159 (6%)
								Natural /	Natural /	Natural /
	Cut / Pierce	Poisoning	MVT^, Occupant	MVT^, Occupant	Unspecified	Unspecified	Assault	Environmental	Environmental	Environmental
7	39 (3%)	346 (3%)	387 (3%)	448 (3%)	900 (5%)	983 (6%)	2,683 (6%)	2,142 (6%)	888 (4%)	8,515 (5%)
	Hot Object / Scald	MVT^. Occupant	Pedal Cyclist, Non- Traffic	Pedal Cyclist, Non- Traffic	Natural / Environmental	Natural / Environmental	Natural / Environmental	Assault	Poisoning	Assault
		,								
8	39 (3%)	239 (2%)	331 (3%)	410 (3%)	588 (3%)	708 (5%)	2,065 (5%)	1,055 (3%)	174 (1%)	6,992 (4%)
	Overexertion	Hot Object / Scald	Poisoning	Assault	Self-Inflicted	Poisoning	Poisoning	Poisoning	Hot Object / Scald	Poisoning
9	27 (2%)	202 (2%) Pedal Cyclist, Non-	97 (1%)	406 (3%) Transport, Non-	279 (2%) Pedal Cyclist, Non-	168 (1%)	461 (1%)	394 (1%)	106 (1%)	1,946 (1%) Pedal Cyclist, Non-
	Suffocation	Traffic	Hot Object / Scald	Traffic	Traffic	Self-Inflicted	Hot Object / Scald	Hot Object / Scald	Assault	Traffic
10	18 (1%)	94 (1%)	77 (1%)	149 (1%)	205 (1%)	168 (1%)	454 (1%)	348 (1%)		
10	18 (1%)	94 (1%)	77 (1%)				454 (1%)	348 (1%)	99 (0%)	1,674 (1%)
					Yearly 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



Hospitalizations Due to Injury Leading Causes by Age Group Hudson Valley 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	Fall	Fall	Fall	Fall	
1	36 (40%)	90 (32%)	96 (42%) Natural /	101 (33%)	171 (23%)	169 (20%)	511 (19%)	1,606 (39%)	6,531 (74%)	9,153 (51%)	
	Hot Object / Scald	Hot Object / Scald	Environmental	Self-Inflicted	MVT^, Occupant	Assault	Self-Inflicted	Self-Inflicted	Unspecified	Self-Inflicted	
2	10 (12%)	41 (14%)	17 (7%)		107 (15%)		424 (16%)		671 (8%)		
	Unspecified	Poisoning	Struck By, Against	Struck By, Against	Fall	MVT^, Occupant	MVT^, Occupant	Unspecified	MVT^, Occupant	Unspecified	
3	8 (9%)	40 (14%)	17 (7%)	31 (10%)	91 (12%)	120 (14%)	261 (10%)	325 (8%)	238 (3%)	1,190 (7%)	
				Pedal Cyclist, Non-							
	Suffocation	Struck By, Against	MVT^, Pedestrian	Traffic	Assault	Fall	Assault	Poisoning	Poisoning	MVT^, Occupant	
4	5 (6%)	15 (5%)	16 (7%)	21 (7%)	74 (10%)	93 (11%)	239 (9%)	281 (7%)	196 (2%)	1,011 (6%)	
		Natural /	Pedal Cyclist, Non-						Natural /		
	Assault	Environmental	Traffic	MVT^, Pedestrian	Struck By, Against	Poisoning	Poisoning	MVT^, Occupant	Environmental	Poisoning	
5		15 (5%)	8 (3%)	12 (4%)	57 (8%)	60 (7%)	190 (7%)	266 (6%)	144 (2%)	826 (5%)	
								Natural /			
	Poisoning	MVT^, Pedestrian	MVT^, Occupant	Unspecified	Poisoning	MVT^, Motorcyclist	Unspecified	Environmental	Struck By, Against	Assault	
6	4 (4%)	9 (3%)	8 (3%)	12 (4%)	40 (5%)	34 (4%)	124 (5%)	163 (4%)	110 (1%)	573 (3%)	
	Natural /				Transport, Non-		Natural /				
	Environmental	Suffocation	Poisoning	Assault	Traffic	Struck By, Against	Environmental	Struck By, Against	Self-Inflicted	Struck By, Against	
7	3 (3%)	6 (2%)	7 (3%)	11 (4%)	22 (3%)	27 (3%)	94 (4%)	104 (3%)	76 (1%)	452 (3%)	
		MVT^, Occupant	Unspecified	Poisoning	Unspecified	Natural / Environmental	Struck By, Against	Assault	Suffocation	MVT^, Pedestrian	
8		5 (2%)	6 (3%)	9 (3%)	18 (2%)	22 (3%)	91 (3%)		75 (1%)	244 (1%)	
				Natural /	Natural /						
		Unspecified	Hot Object / Scald	Environmental	Environmental	Cut / Pierce	MVT^, Motorcyclist	MVT^, Motorcyclist	Overexertion	Cut / Pierce	
9		5 (2%)	6 (2%)	9 (3%)	16 (2%)	21 (2%)	86 (3%)	77 (2%)	69 (1%)	232 (1%)	
			Transport, Non-	Transport, Non-							
		Assault	Traffic	Traffic	MVT^, Pedestrian	Unspecified	Cut / Pierce	Cut / Pierce	MVT^, Pedestrian	MVT^, Motorcyclist	
10		5 (2%)	5 (2%)	8 (2%)	16 (2%)	20 (2%)	77 (3%)	75 (2%)	48 (1%)	215 (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

source: N1500H, Bull

Department of Health

Injury Related Deaths Leading Causes by Age Group Hudson Valley 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					Suicide 8 (25%)	Poisoning 19 (26%)	Poisoning 66 (33%)	Suicide 82 (31%)	Fall 96 (38%)	Suicide 184 (22%)		
1					0 (23/1)	19 (20%)	00 (33/1)	95 (31/1)	30 (30/4)	104 (22/1)		
	•	•	•	•	MVT^, Occupant	Suicide	Suicide	Poisoning	Unspecified	Poisoning		
2					6 (17%)	14 (19%)	48 (24%)	80 (30%)	36 (14%)	178 (21%)		
					MVT^, Unspecified	Homicide	Homicide	Fall	Suicide	Fall		
3					5 (14%)	9 (13%)	18 (9%)	20 (8%)	30 (12%)	122 (14%)		
4					Homicide 4 (12%)	MVT^, Occupant 8 (12%)	MVT^, Occupant 12 (6%)	MVT^, Unspecified 12 (4%)	Suffocation 18 (7%)	Unspecified 47 (6%)		
4					4(227)	U(1LN)	11 (0/1)	12 (4/4)	10(7/4)	47 (0.0)		
		•	•	•	Poisoning	MVT^, Unspecified	MVT^, Motorcyclist	Homicide	MVT^, Occupant	Homicide		
5					3 (10%)	6 (8%)	11 (5%)	9 (3%)	13 (5%)	47 (6%)		
						MVT^, Motorcyclist	MVT^, Unspecified	Unspecified	MVT^, Unspecified	MVT^, Occupant		
6						4 (5%)	7 (4%)	7 (3%)	12 (5%)	45 (5%)		
					*	MVT^, Pedestrian	Fall	Natural / Environmental	Poisoning	MVT^, Unspecified		
7						2 (3%)	4 (2%)	6 (2%)	10 (4%)	43 (5%)		
						•	Transport, Non- Traffic	MVT^, Occupant	MVT^, Pedestrian	Suffocation		
8							4 (2%)	6 (2%)	7 (3%)	24 (3%)		
							MVT^, Pedestrian	MVT^, Pedestrian	Fire / Flame	MVT^, Motorcyclist		
9							3 (2%)	6 (2%)	7 (3%)	21 (3%)		
							Unspecified	MVT^, Motorcyclist	Natural / Environmental	MVT^, Pedestrian		
10							2 (1%)	5 (2%)	4 (2%)	20 (2%)		
					fearly Average (percent	t of age group)						

MVT^ = Motor Vehicle Traffic

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

Intentional Injury

