

Incidence of Unintentional Motor Vehicle Traffic Injuries Deaths, Hospitalizations, and Emergency Department[†] (ED) Visits Erie County Residents, 2017-2019

	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	44	4.8	336	36.5	6,890	747.8	
Age Group	0<1	0	0.0	0	9	91.8	
	1-4	0	0.0	4	63	156.1	
	5-9	*	*	8	130	255.8	
	10-14	*	*	5	167	322.6	
	15-19	3	5.7**	17	28.7	568	978.7
	20-24	3	4.4**	26	42.3	1,014	1,671.0
	25-44	12	5.0	80	33.9	2,697	1,147.9
	45-64	12	4.7	101	40.6	1,672	670.7
	65+	13	8.1	96	57.9	569	344.4
Gender	Male	30	6.7	197	44.2	2,979	668.2
	Female	14	3.0	139	29.3	3,910	822.4
	Unknown	0	n/a	0	n/a	0	n/a
Race/Ethnicity	White Non-Hispanic	34	4.8	227	32.4	3,525	502.8
	Black Non-Hispanic	*	*	67	53.4	2,520	2,000.4
	American Indian/Alaskan Native	0	0.0	*	*	36	618.2
	Asian Pacific Islander	*	*	*	*	95	262.1
	Hispanic	0	0.0	9	18.6	349	671.7
	Percent Traumatic Brain Injury		29%	29%	4%		

Mean Charge per Hospitalization or ED Visit	n/a	\$45,284	\$2,693
One Year Total Hospitalization or ED Visit Charges	n/a	\$15,230,369	\$18,556,080
Three Year Total Hospitalization or ED Visit Charges	n/a	\$45,691,108	\$55,668,240

Average Length of Hospital Stay (Days)	n/a	6	n/a
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[†]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 2021

Vital Statistics Death File November 2021

Incidence of Unintentional Occupant Injuries

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

Erie County Residents, 2017-2019

	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	4	0.4**	215	23.4	6,158	668.4	
Age Group	0<1	0	0	0.0	9	91.8	
	1-4	0	*	*	59	144.6	
	5-9	0	0.0	4	7.2**	109	214.5
	10-14	0	0.0	*	*	127	245.5
	15-19	0	0.0	10	17.2	484	834.5
	20-24	*	*	14	23.1	923	1,521.0
	25-44	*	*	48	20.3	2,431	1,034.4
	45-64	*	*	59	23.8	1,489	597.3
	65+	*	*	77	46.6	528	319.4
Gender	Male	*	*	113	25.3	2,481	556.5
	Female	*	*	103	21.6	3,677	773.3
	Unknown	0	n/a	0	n/a	0	n/a
Race/Ethnicity	White Non-Hispanic	3	0.4**	153	21.8	3,121	445.1
	Black Non-Hispanic	*	*	38	30.2	2,293	1,820.2
	American Indian/Alaskan Native	*	*	*	*	32	549.5
	Asian Pacific Islander	*	*	*	*	88	241.0
	Hispanic	*	*	6	10.9**	305	587.1

Percent Traumatic Brain Injury	36%	24%	4%
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Mean Charge per Hospitalization or ED Visit	n/a	\$41,964	\$2,471
One Year Total Hospitalization or ED Visit Charges	n/a	\$9,036,314	\$15,217,561
Three Year Total Hospitalization or ED Visit Charges	n/a	\$27,108,943	\$45,652,684

Average Length of Hospital Stay (Days)	n/a	6	n/a
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Rate = Frequency / Population * 100,000

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Incidence of Unintentional Motorcycle Injuries

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

Erie County Residents, 2017-2019

	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	6	0.6**	41	4.5	169	18.3	
Age Group	0<1	0	0.0	0	0.0	0	0.0
	1-4	0	0.0	0	0.0	0	0.0
	5-9	0	0.0	0	0.0	0	0.0
	10-14	0	0.0	0	0.0	2	3.9**
	15-19	0	0.0	*	*	10	16.7
	20-24	*	*	7	12.1	22	36.3
	25-44	2	1.0**	15	6.4	79	33.8
	45-64	2	0.8**	14	5.7	51	20.5
	65+	*	*	*	*	5	2.8**
Gender	Male	*	*	38	8.5	148	33.2
	Female	*	*	3	0.7**	21	4.3
	Unknown	0	n/a	0	n/a	0	n/a
Race/Ethnicity	White Non-Hispanic	*	*	31	4.4	110	15.7
	Black Non-Hispanic	*	*	5	3.7**	38	30.2
	American Indian/Alaskan Native	0	0.0	*	*	*	*
	Asian Pacific Islander	0	0.0	*	*	*	*
	Hispanic	0	0.0	*	*	9	17.3

Percent Traumatic Brain Injury	5%	27%	5%
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Mean Charge per Hospitalization or ED Visit	n/a	\$56,156	\$6,761
One Year Total Hospitalization or ED Visit Charges	n/a	\$2,321,111	\$1,140,397
Three Year Total Hospitalization or ED Visit Charges	n/a	\$6,963,333	\$3,421,191

Average Length of Hospital Stay (Days)	n/a	7	n/a
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Rate = Frequency / Population * 100,000

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Incidence of Unintentional Pedestrian Injuries

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

Erie County Residents, 2017-2019

	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	11	1.2	59	6.4	266	28.9	
Age Group	0<1	0	0	0.0	0	0.0	
	1-4	0	0	4.9**	3	7.4**	
	5-9	0	0	5.2**	8	15.7	
	10-14	0	0	3.9**	17	33.4	
	15-19	0	0	6.9**	34	58.0	
	20-24	0	0	6**	33	54.4	
	25-44	2	1.0**	13	5.5	95	40.3
	45-64	4	1.6**	20	7.9	56	22.5
	65+	3	2.0**	12	7.3	20	12.3
Gender	Male	6	1.4**	32	7.1	142	31.8
	Female	4	1.0**	27	5.7	124	26.1
	Unknown	0	n/a	0	n/a	0	n/a
Race/Ethnicity	White Non-Hispanic	7	1.0	30	4.3	118	16.8
	Black Non-Hispanic	3	2.6**	20	15.6	114	90.5
	American Indian/Alaskan Native	0	0.0	0	0.0	*	*
	Asian Pacific Islander	0	0.0	*	*	*	*
	Hispanic	0	0.0	*	*	16	30.8

Percent Traumatic Brain Injury	38%	46%	5%
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Mean Charge per Hospitalization or ED Visit	n/a	\$53,613	\$4,056
One Year Total Hospitalization or ED Visit Charges	n/a	\$3,163,162	\$1,078,798
Three Year Total Hospitalization or ED Visit Charges	n/a	\$9,489,485	\$3,236,393

Average Length of Hospital Stay (Days)	n/a	8	n/a
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Incidence of Unintentional Pedal Cycle Injuries

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

Erie County Residents, 2017-2019

	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	2	0.2**	14	1.6	203	22.0	
Age Group	0<1	0	0.0	0	0.0	0	0.0
	1-4	0	0.0	0	0.0	*	*
	5-9	*	*	*	*	11	22.3
	10-14	0	0.0	*	*	19	36.0
	15-19	*	*	*	*	32	54.6
	20-24	0	0.0	*	*	25	41.8
	25-44	*	*	3	1.1**	58	24.5
	45-64	*	*	6	2.5**	48	19.4
	65+	*	0.0	2	1.0**	*	*
Gender	Male	*	*	12	2.6	164	36.7
	Female	*	*	3	0.6**	39	8.2
	Unknown	0	n/a	0	n/a	0	n/a
Race/Ethnicity	White Non-Hispanic	2	0.2**	9	1.2	124	17.7
	Black Non-Hispanic	0	0.0	*	*	44	34.9
	American Indian/Alaskan Native	0	0.0	0	0.0	2	34.3**
	Asian Pacific Islander	0	0.0	0	0.0	4	10.1**
	Hispanic	0	0.0	*	*	14	27.6

Percent Traumatic Brain Injury	60%	44%	5%
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Mean Charge per Hospitalization or ED Visit	n/a	\$35,923	\$3,544
One Year Total Hospitalization or ED Visit Charges	n/a	\$514,896	\$718,249
Three Year Total Hospitalization or ED Visit Charges	n/a	\$1,544,687	\$2,154,746

Average Length of Hospital Stay (Days)	n/a	5	n/a
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