

Incidence of Unintentional Motor Vehicle Traffic Injuries Deaths, Hospitalizations, and Emergency Department[†] (ED) Visits Niagara 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 | 16 | 0.1 | 91 | 0.5 | 1,676 | 8.5 |
| Age Group | 0<1 | 0 | 0.0 | * | 5 | 2.0** |
| | 1-4 | 0 | 0.0 | 2 | 0.2** | 2.4 |
| | 5-9 | 0 | 0.0 | 2 | 0.1** | 3.0 |
| | 10-14 | 0 | 0.0 | 2 | 0.2** | 3.8 |
| | 15-19 | 0 | 0.0 | 3 | 0.3** | 14.4 |
| | 20-24 | 2 | 0.2** | 8 | 0.6 | 16.9 |
| | 25-44 | 3 | <0.1** | 27 | 0.5 | 11.6 |
| | 45-64 | 6 | 0.1** | 25 | 0.5 | 8.0 |
| | 65+ | 5 | 0.2** | 21 | 0.6 | 4.6 |
| Gender | Female | 5 | 0.1** | 36 | 0.4 | 9.6 |
| | Male | 11 | 0.1 | 55 | 0.6 | 7.4 |
| | Unknown | 0 | n/a | 0 | n/a | n/a |
| Race/Ethnicity | White Non-Hispanic | 14 | 0.1 | 69 | 0.6 | 10.8 |
| | Black Non-Hispanic American Indian/Alaskan Native | 2 | 0.1** | 9 | 0.3 | 12.2 |
| | Asian Pacific Islander | 0 | 0.0 | * | * | 32.6 |
| | Hispanic | 0 | 0.0 | 0 | 0.0 | 1.0 |
| | | 0 | 0.0 | 0 | 0.0 | 1.0 |
| | | 0 | 0.0 | * | * | 1.1 |

| | | | |
|---------------------------------------|-----|-----|----|
| Percent Traumatic Brain Injury | 31% | 24% | 4% |
|---------------------------------------|-----|-----|----|

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|---|-----|--------------|--------------|
| Mean Charge per Hospitalization or ED Visit | n/a | \$46,068 | \$2,453 |
| One Year Total Hospitalization or ED Visit Charges | n/a | \$4,176,875 | \$4,111,563 |
| Three Year Total Hospitalization or ED Visit Charges | n/a | \$12,530,624 | \$12,334,690 |

| | | | |
|---|-----|---|-----|
| 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

Incidence of Unintentional Occupant Injuries

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

Niagara 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 | <0.1** | 57 | 0.3 | 1,480 | 7.5 | |
| Age Group | 0<1 | 0 | 0.0 | * | * | 5 | 2.0** |
| | 1-4 | 0 | 0.0 | * | * | 20 | 2.1 |
| | 5-9 | 0 | 0.0 | * | * | 29 | 2.6 |
| | 10-14 | 0 | 0.0 | * | * | 33 | 2.9 |
| | 15-19 | 0 | 0.0 | 3 | 0.3** | 151 | 12.6 |
| | 20-24 | * | * | 4 | 0.3** | 195 | 14.9 |
| | 25-44 | 0 | 0.0 | 17 | 0.3 | 557 | 10.4 |
| | 45-64 | 0 | 0.0 | 13 | 0.3 | 357 | 6.9 |
| | 65+ | * | * | 16 | 0.5 | 134 | 4.2 |
| Gender | Female | 0 | 0.0 | 27 | 0.3 | 911 | 9.0 |
| | Male | 2 | <0.1** | 30 | 0.3 | 569 | 6.0 |
| | Unknown | 0 | n/a | 0 | n/a | 0 | n/a |
| Race/Ethnicity | White Non-Hispanic | 2 | <0.1 | 46 | 0.4 | 1,044 | 9.4 |
| | Black Non-Hispanic | 0 | 0.0 | 7 | 0.2 | 333 | 11.2 |
| | American Indian/Alaskan Native | 0 | 0.0 | * | * | 19 | 26.4 |
| | Asian Pacific Islander | 0 | 0.0 | 0 | 0.0 | 15 | 0.9 |
| | Hispanic | 0 | 0.0 | * | * | 35 | 0.9 |

| | | | |
|---------------------------------------|-----|-----|----|
| Percent Traumatic Brain Injury | 33% | 22% | 4% |
|---------------------------------------|-----|-----|----|

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|---|-----|-------------|-------------|
| Mean Charge per Hospitalization or ED Visit | n/a | \$42,637 | \$2,220 |
| One Year Total Hospitalization or ED Visit Charges | n/a | \$2,430,335 | \$3,285,877 |
| Three Year Total Hospitalization or ED Visit Charges | n/a | \$7,291,004 | \$9,857,632 |

| | | | |
|---|-----|---|-----|
| 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

Incidence of Unintentional Motorcycle Injuries

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

Niagara 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 | * | * | 18 | 0.1 | 60 | 0.3 | |
| 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 | 0 | 0.0 |
| | 15-19 | 0 | 0.0 | 0 | 0.0 | 4 | 0.3** |
| | 20-24 | 0 | 0.0 | * | * | 12 | 0.9 |
| | 25-44 | 0 | 0.0 | 8 | 0.1 | 19 | 0.3 |
| | 45-64 | * | * | 6 | 0.1** | 20 | 0.4 |
| | 65+ | 0 | 0.0 | * | * | 4 | 0.1** |
| Gender | Female | 0 | 0.0 | 2 | 0.0** | 5 | 0.1** |
| | Male | * | * | 16 | 0.2 | 55 | 0.6 |
| | Unknown | 0 | n/a | 0 | n/a | 0 | n/a |
| Race/Ethnicity | White Non-Hispanic | * | * | * | * | 52 | 0.4 |
| | Black Non-Hispanic | 0 | 0.0 | * | * | 5 | 0.2** |
| | American Indian/Alaskan Native | 0 | 0.0 | 0 | 0.0 | * | * |
| | Asian Pacific Islander | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| | Hispanic | 0 | 0.0 | 0 | 0.0 | * | * |
| | | | | | | | |

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|---------------------------------------|---|-----|----|
| Percent Traumatic Brain Injury | * | 21% | 3% |
|---------------------------------------|---|-----|----|

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|---|-----|-------------|-------------|
| Mean Charge per Hospitalization or ED Visit | n/a | \$58,170 | \$6,602 |
| One Year Total Hospitalization or ED Visit Charges | n/a | \$1,027,675 | \$396,126 |
| Three Year Total Hospitalization or ED Visit Charges | n/a | \$3,083,026 | \$1,188,379 |

| | | | |
|---|-----|---|-----|
| Average Length of Hospital Stay (Days) | n/a | 8 | 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

Incidence of Unintentional Pedestrian Injuries

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

Niagara 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 | 3 | <0.1** | 11 | 0.1 | 48 | 0.2 |
| Age Group | 0<1 | 0 | 0 | 0.0 | 0 | 0.0 |
| | 1-4 | 0 | 0 | 0.0 | * | * |
| | 5-9 | 0 | 0.0 | 0 | 0.0 | * |
| | 10-14 | 0 | 0.0 | 0 | 0.0 | 2 |
| | 15-19 | 0 | 0.0 | 0 | 0.0 | 7 |
| | 20-24 | 0 | 0.0 | 2 | 0.1** | 6 |
| | 25-44 | 0 | 0.0 | 2 | <0.1** | 15 |
| | 45-64 | * | * | 4 | 0.1** | 13 |
| | 65+ | * | * | 3 | 0.1** | 3 |
| Gender | Female | * | 4 | 0.0** | 22 | 0.2 |
| | Male | * | 7 | 0.1 | 26 | 0.3 |
| | Unknown | 0 | n/a | 0 | n/a | 0 |

| | | | |
|--------------------------------|-----|-----|----|
| Percent Traumatic Brain Injury | 33% | 35% | 6% |
|--------------------------------|-----|-----|----|

| | | | |
|--|-----|-------------|-----------|
| Mean Charge per Hospitalization or ED Visit | n/a | \$52,616 | \$3,827 |
| One Year Total Hospitalization or ED Visit Charges | n/a | \$596,318 | \$183,683 |
| Three Year Total Hospitalization or ED Visit Charges | n/a | \$1,788,953 | \$551,048 |

| | | | |
|--|-----|---|-----|
| Average Length of Hospital Stay (Days) | n/a | 8 | 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

Incidence of Unintentional Pedal Cycle Injuries

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

Niagara 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 | * | * | 3 | <0.1** | 37 | 0.2 | |
| 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 | 2 | 0.2** |
| | 10-14 | 0 | 0.0 | * | * | 6 | 0.5** |
| | 15-19 | 0 | 0.0 | 0 | 0.0 | 7 | 0.6 |
| | 20-24 | 0 | 0.0 | 0 | 0.0 | 2 | 0.2** |
| | 25-44 | 0 | 0.0 | 0 | 0.0 | 9 | 0.2 |
| | 45-64 | 0 | 0.0 | * | * | 8 | 0.2 |
| | 65+ | 0 | 0.0 | 0 | 0.0 | 2 | 0.1** |
| Gender | Female | 0 | 0.0 | * | * | 7 | 0.1 |
| | Male | * | * | * | < * | 29 | 0.3 |
| | Unknown | 0 | n/a | 0 | n/a | 0 | n/a |
| Race/Ethnicity | White Non-Hispanic | * | * | 2 | <0.1** | 26 | 0.2 |
| | Black Non-Hispanic | 0 | 0.0 | 0 | 0.0 | 6 | 0.2** |
| | American Indian/Alaskan Native | 0 | 0.0 | 0 | 0.0 | * | * |
| | Asian Pacific Islander | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| | Hispanic | 0 | 0.0 | 0 | 0.0 | * | * |

| | | | |
|---------------------------------------|---|-----|----|
| Percent Traumatic Brain Injury | * | 63% | 6% |
|---------------------------------------|---|-----|----|

| | | | |
|---|-----|-----------|-----------|
| Mean Charge per Hospitalization or ED Visit | n/a | \$23,686 | \$2,849 |
| One Year Total Hospitalization or ED Visit Charges | n/a | \$63,163 | \$104,478 |
| Three Year Total Hospitalization or ED Visit Charges | n/a | \$189,489 | \$313,434 |

| | | | |
|---|-----|---|-----|
| Average Length of Hospital Stay (Days) | n/a | 2 | 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