

INJURY REPORT, 1999-2003

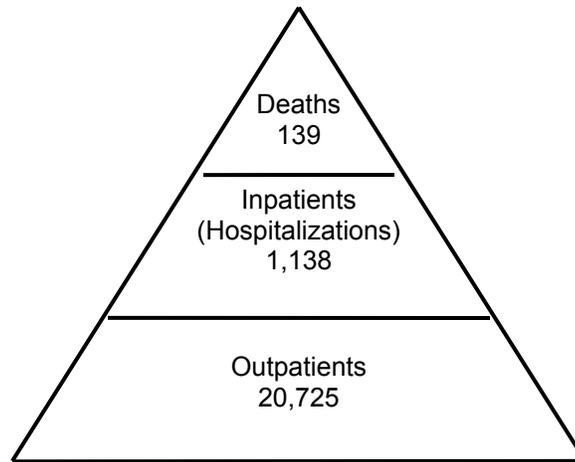
East Central District Health Department Coverage Area

Boone, Nance, Platte, and Colfax Counties

Summary

Injury is a public health problem in the East Central District Health Department (ECDHD) coverage area. Overall, injury is the fourth leading cause of death (*Table D1*). From 1999-2003, in addition to nearly 140 injury deaths, more than 1,100 residents in Boone, Nance, Platte, and Colfax Counties were hospitalized and more than 20,700 residents were treated at hospitals for injuries (*Figure A*). Overall, motor vehicle crashes were the leading cause of injury deaths. Suicide was second, followed by falls. In contrast to deaths, falls were the leading cause of injury-related hospital discharge, struck by/against were second, followed by cutting/piercing, motor vehicle crashes and overexertion.

Figure A: Injury Pyramid, Residents of East Central District Health Department Coverage Area, NE, 1999-2003



The pattern of injury varies by age and gender. Injury had a greater impact on children and young adults. Of all deaths among those age 15-34 years, most were due to injuries. Therefore more years of potential life were lost due to injuries. Males were more than twice as likely as females to die from an injury.

The following table highlights the ECDHD coverage area's progress towards the 2010 Nebraska Health Goals and Objectives related to deaths due to unintentional injuries and motor vehicle crashes (*Table A*).

Table A: Injury Death Rate, East Central District Health Department Coverage Area, 2003

| Cause of Death | Age Adjusted Rate 2003 | 2010 Nebraska Objective (rate per 100,000 population) |
|----------------------|---------------------------|--|
| Unintentional Injury | 27.7 | 19.4 |
| Motor vehicle crash | 17.0 | 12.0 |

Injury Deaths

Overall

- From 1999 to 2003, injuries, including unintentional and intentional, were the fourth leading cause of death in the counties served by the ECDHD (*Table D1*).

**Table D1: Five Leading Causes of Death,
East Central District Health Department Coverage Area, NE, 1999-2003**

| Rank | Cause | Total Number of Death |
|------|----------------------|-----------------------|
| 1 | Heart Disease | 628 |
| 2 | Cancer | 544 |
| 3 | Stroke | 197 |
| 4 | Injury | 133 |
| 5 | Chronic Lung Disease | 92 |

Source: DHHS Death Certificate Data 1999-2003

- An average of 27 residents died from an injury each year (*Table D2*).
- Deaths due to injury made up 5.6% of total deaths in the ECDHD coverage area compared to 6% of deaths in Nebraska.
- In the ECDHD coverage counties, more than half of deaths among 10–34 year olds and half of deaths among 35-39-year-olds were due to injuries (*Table D2*).

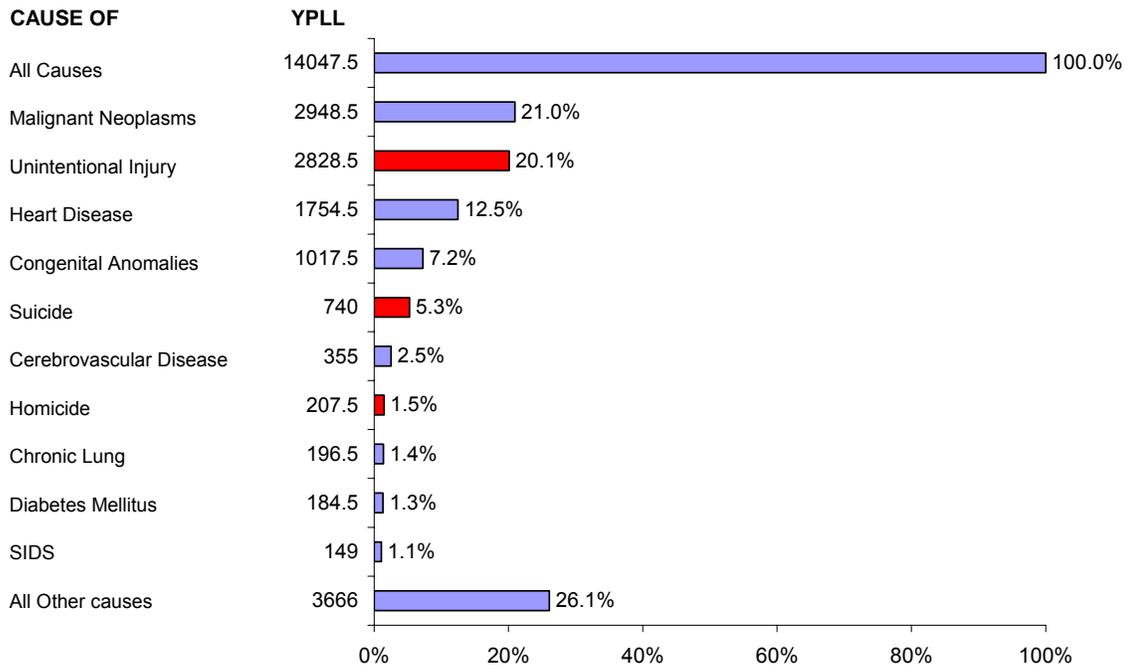
**Table D2: Injury Deaths as a Percent of All Deaths by Age,
East Central District Health Department Coverage Area, NE, 1999-2003**

| Age Group | Injury Deaths | Annual Average Injury Deaths | All Deaths | Percent of Death due to Injury |
|--------------|---------------|---------------------------------|--------------|-----------------------------------|
| <1 | 0 | 0 | 26 | 0.0 |
| 1-4 | 4 | 1 | 7 | 57.1 |
| 5-9 | 0 | 0 | 3 | 0.0 |
| 10-14 | 1 | 0 | 2 | 50.0 |
| 15-19 | 18 | 4 | 19 | 94.7 |
| 20-24 | 10 | 2 | 14 | 71.4 |
| 25-29 | 5 | 1 | 9 | 55.6 |
| 30-34 | 11 | 2 | 21 | 52.4 |
| 35-39 | 7 | 1 | 14 | 50.0 |
| 40-44 | 12 | 2 | 30 | 40.0 |
| 45-49 | 4 | 1 | 38 | 10.5 |
| 50-54 | 7 | 1 | 44 | 15.9 |
| 55-59 | 4 | 1 | 60 | 6.7 |
| 60-64 | 5 | 1 | 90 | 5.6 |
| 65-74 | 8 | 2 | 382 | 2.1 |
| 75-84 | 18 | 4 | 680 | 2.6 |
| 85+ | 19 | 4 | 933 | 2.0 |
| Total | 133 | 27 | 2,372 | 5.6 |

Source: DHHS Death Certificate Data, 1999-2003

- Years of Potential Life Lost (YPLL) from unintentional injury ranked second (20.1%), following that from cancer (21%). Suicide ranked 5th at 5.3% (*Figure D1*).

Figure D1: Years of Potential Life Lost (YPLL) before Age 75 by Cause of Death, East Central District Health Department Coverage Area, NE, 1999-2003



- The counties served by ECDHD had a higher unintentional injury rate (40.4 per 100,000), but lower suicide rate (7.8 per 100,000) and homicide rate (2.1 per 100,000) than Nebraska rates (33.3, 10.6, and 3.2 per 100,000 respectively) (Table D3).

Table D3: Injury Deaths, Percentage, and Age-adjusted Rates, East Central District Health Department Coverage Area, NE, 1999-2003

| Intent | Male | | | Female | | | Total | | | State | | |
|-----------------|------------|--------------|-------------|-----------|--------------|-------------|------------|--------------|-------------|--------------|--------------|-------------|
| | N | % | Rate | N | % | Rate | N | % | Rate | N | % | Rate |
| Unintentional | 76 | 76.0 | 60.1 | 32 | 82.1 | 20.6 | 108 | 77.7 | 40.4 | 3,020 | 68.3 | 33.3 |
| Suicide | 17 | 17.0 | 13.1 | 3 | 7.7 | * | 20 | 14.4 | 7.8 | 894 | 20.2 | 10.6 |
| Homicide | 2 | 2.0 | * | 3 | 7.7 | * | 5 | 3.6 | 2.1 | 273 | 6.2 | 3.2 |
| Undetermined | 4 | 4.0 | * | 0 | 0.0 | 0.0 | 4 | 2.9 | * | 139 | 3.1 | 1.6 |
| Adverse Effects | 1 | 1.0 | * | 1 | 2.5 | * | 2 | 1.4 | * | 93 | 2.1 | 1.0 |
| Total | 100 | 100.0 | 73.2 | 39 | 100.0 | 20.6 | 139 | 100.0 | 50.3 | 4,419 | 100.0 | 49.7 |

Source: DHHS Death Certificate Data, 1999-2003

- More males (72%) died and were discharged from hospitals (57%) due to injuries than females (28% and 43%) (Table D4).

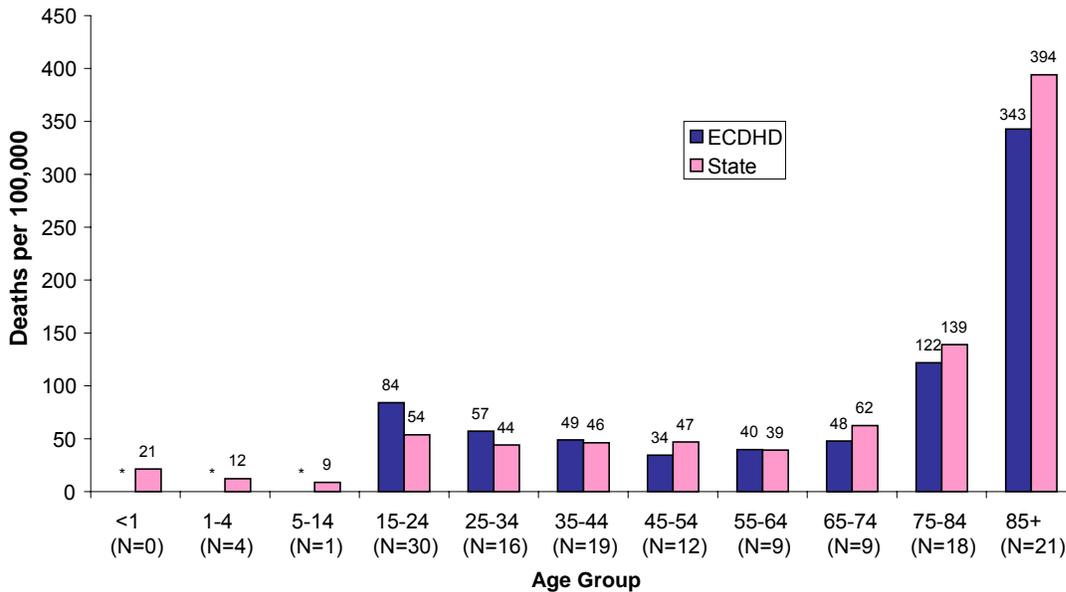
Table D4: Injury-Related Deaths and Hospital Discharges by Gender, Age, and Race, East Central District Health Department Coverage Area, NE, 1999-2003

| | East Central District HD | | | | State | | | |
|------------------|--------------------------|-------|---------------------|-------|--------|-------|---------------------|-------|
| | Deaths | | Hospital Discharges | | Deaths | | Hospital Discharges | |
| | N | % | N | % | N | % | N | % |
| Gender | | | | | | | | |
| Male | 100 | 71.9 | 12,394 | 56.7 | 2,848 | 64.3 | 386,563 | 53.1 |
| Female | 39 | 28.1 | 9,469 | 43.3 | 1,581 | 35.7 | 341,506 | 46.9 |
| Total | 139 | 100.0 | 21,863 | 100.0 | 4,429 | 100.0 | 728,069 | 100.0 |
| Age | | | | | | | | |
| <1 | 0 | 0.0 | 198 | 0.9 | 26 | 0.6 | 7,142 | 1.0 |
| 1-4 | 4 | 2.9 | 1,780 | 8.1 | 58 | 1.3 | 59,764 | 8.2 |
| 5-14 | 1 | 0.7 | 3,682 | 16.8 | 107 | 2.4 | 122,382 | 16.8 |
| 15-24 | 30 | 21.6 | 4,795 | 21.9 | 699 | 15.8 | 144,001 | 19.8 |
| 25-34 | 16 | 11.5 | 2,375 | 10.9 | 486 | 11.0 | 84,574 | 11.6 |
| 35-44 | 19 | 13.7 | 2,403 | 11.0 | 593 | 13.4 | 84,445 | 11.6 |
| 45-54 | 12 | 8.6 | 1,906 | 8.7 | 547 | 12.4 | 66,321 | 9.1 |
| 55-64 | 9 | 6.5 | 1,104 | 5.1 | 292 | 6.6 | 39,540 | 5.4 |
| 65-74 | 9 | 6.5 | 1,200 | 5.5 | 355 | 8.0 | 40,555 | 5.6 |
| 75-84 | 18 | 13.0 | 1,299 | 5.9 | 575 | 13.0 | 45,135 | 6.2 |
| 85+ | 21 | 15.1 | 1,121 | 5.1 | 691 | 15.6 | 34,222 | 4.7 |
| Total | 139 | 100.0 | 21,863 | 100.0 | 4,429 | 100.0 | 728,081 | 100.0 |
| Race | | | | | | | | |
| Asian | 0 | 0.0 | | | 29 | 0.7 | | |
| African American | 0 | 0.0 | | | 194 | 4.4 | | |
| Native American | 0 | 0.0 | | | 72 | 1.6 | | |
| White | 137 | 98.6 | | | 4,123 | 93.1 | | |
| Other | 2 | 1.4 | | | 11 | 0.3 | | |
| Total | 139 | 100.0 | | | 4,429 | 100.0 | | |

Note: Hospital discharges include hospital inpatients, outpatients, and ER visits.

- Generally, the 75-84 and 84 and older age groups (122 and 343 per 100,000 respectively) had the greatest risk of death due to injuries.
- However, teens and young adults (ages 15-34) had the highest injury death rates following the rates of older adults (*Figure D2*). Most notably, the injury death rate for those age 14-24 in the ECDHD coverage area was much higher than the Nebraska rate for that age group (84 and 54 per 100,000 respectively).

Figure D2: All Injury Death Rates by Age, East Central District Health Department Coverage Area, NE, 1999-2003

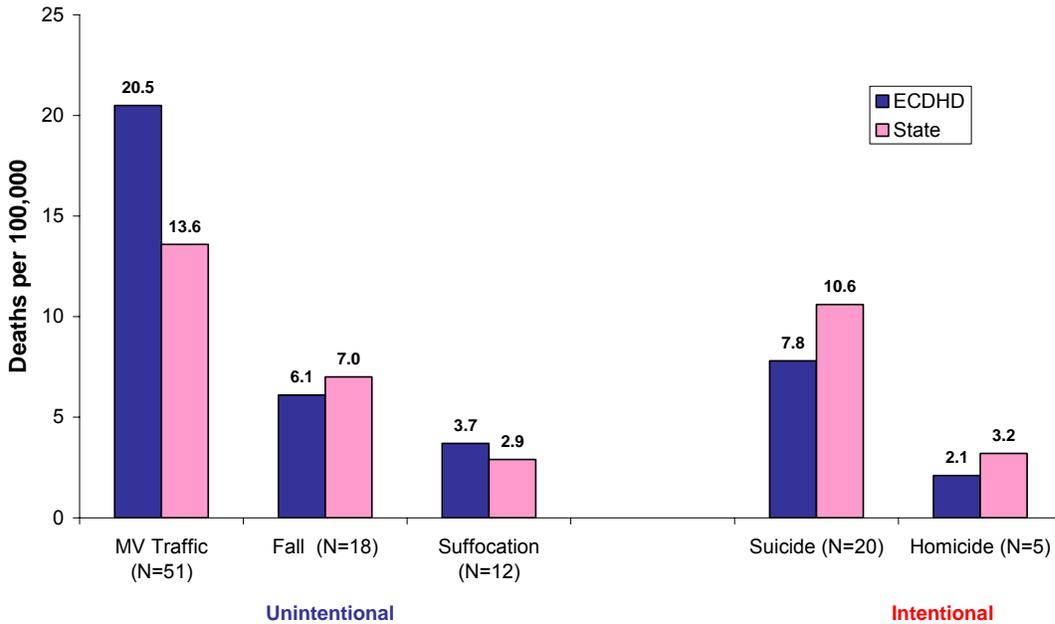


* No rate calculated for the number of deaths because N is fewer than five
 Source: DHHS Death Certificate Data 1999-2003

Leading causes

- Motor vehicle crashes were the leading cause of injury death with an age-adjusted rate of 20.5 per 100,000. The rate was higher than the Nebraska rate (13.6 per 100,000) (Figure D3).
- Suicide was the second leading cause of injury death. The age-adjusted death rate for suicide was lower than the Nebraska rate (7.8 and 10.6 per 100,000 respectively) (Figure D3).
- Falls were the third leading cause of injury death. The age-adjusted death rate due to falls was slightly lower than the Nebraska rate (6.1 and 7.0 per 100,000 respectively) (Figure D3).

Figure D3: Age-adjusted Injury Death Rates by Cause, East Central District Health Department Coverage Area, NE, 1999-2003



Source: DHHS Death Certificate Data 1999-2003

Age

- Persons age 15–24 (N=19) were most likely to die because of a motor vehicle crash. These deaths accounted for 37.3% of total deaths (N=51) in the ECDHD coverage area (*Table D5*).
- Nearly all fall-related deaths were among persons 75 years and older (*Table D6*).
- Those in the 15-24 year age group (35%) had the most deaths due to suicide (*Table D7*).

Table D5: Deaths Due to Motor Vehicle Crash by Age and Gender, East Central District Health Department Coverage Area, 1999-2003

| Age | Male | | Female | | Total | |
|--------------|-----------|--------------|-----------|--------------|-----------|--------------|
| | N | % | N | % | N | % |
| 15-24 | 13 | 34.2 | 6 | 46.2 | 19 | 37.3 |
| 25-34 | 6 | 15.8 | 3 | 23.1 | 9 | 17.6 |
| 35-44 | 7 | 18.4 | 2 | 15.4 | 9 | 17.6 |
| 45-54 | 1 | 2.6 | 0 | 0.0 | 1 | 2.0 |
| 55-64 | 4 | 10.5 | 0 | 0.0 | 4 | 7.8 |
| 65-74 | 3 | 7.9 | 1 | 7.7 | 4 | 7.8 |
| 75-84 | 2 | 5.3 | 1 | 7.7 | 3 | 5.9 |
| 85+ | 2 | 5.3 | 0 | 0.0 | 2 | 3.9 |
| Total | 38 | 100.0 | 13 | 100.0 | 51 | 100.0 |

Source: DHHS Death Certificate Data, 1999-2003

**Table D6: Deaths Due to Fall by Age and Gender,
East Central District Health Department Coverage Area, 1999-2003**

| Age | Male | | Female | | Total | |
|--------------|-----------|--------------|----------|--------------|-----------|--------------|
| | N | % | N | % | N | % |
| 35-44 | 0 | 0.0 | 1 | 12.5 | 1 | 5.6 |
| 55-64 | 1 | 10.0 | 0 | 0.0 | 1 | 5.6 |
| 65-74 | 0 | 0.0 | 1 | 12.5 | 1 | 5.6 |
| 75-84 | 4 | 40.0 | 3 | 37.5 | 7 | 38.9 |
| 85+ | 5 | 50.0 | 3 | 37.5 | 8 | 44.4 |
| Total | 10 | 100.0 | 8 | 100.0 | 18 | 100.0 |

Source: DHHS Death Certificate Data, 1999-2003

**Table D7: Deaths Due to Suicide by Age and Gender,
East Central District Health Department Coverage Area, 1999-2003**

| Age | Male | | Female | | Total | |
|--------------|-----------|--------------|----------|--------------|-----------|--------------|
| | N | % | N | % | N | % |
| 15-24 | 7 | 41.2 | 0 | 0.0 | 7 | 35.0 |
| 25-34 | 1 | 5.9 | 1 | 33.3 | 2 | 10.0 |
| 35-44 | 4 | 23.5 | 0 | 0.0 | 4 | 20.0 |
| 45-54 | 2 | 11.8 | 1 | 33.3 | 3 | 15.0 |
| 55-64 | 2 | 11.8 | 0 | 0.0 | 2 | 10.0 |
| 65-74 | 1 | 5.9 | 1 | 33.3 | 2 | 10.0 |
| Total | 17 | 100.0 | 3 | 100.0 | 20 | 100.0 |

Source: DHHS Death Certificate Data, 1999-2003

Gender

- Nearly three times as many males (N=38) as females (N=13) died from motor vehicle crashes (*Table D5*).
- More males (N=10) died from fall injuries than females (N=8) (*Table D6*).
- More than five times as many males (N=17) as females (N=3) died from suicide (*Table D7*).

Hospital discharges

Overall

- The East Central District Health Department coverage area had a similar unintentional injury hospital discharge rate (7,680 per 100,000) and suicide attempt rate (77 per 100,000), but lower homicide rates (139 per 100,000) when compared to Nebraska rates (7,610, 75, and 204 per 100,000 respectively) (*Table H1*).

Table H1: Injury Hospital Discharges, Percentage, and Age-adjusted Rates, East Central District Health Department Coverage Area, NE, 1999-2003

| Intent | Males | | | Females | | | Total | | | State | | |
|---------------|---------------|--------------|----------------|--------------|--------------|----------------|---------------|--------------|----------------|----------------|--------------|----------------|
| | N | % | Rate | N | % | Rate | N | % | Rate | N | % | Rate |
| Unintentional | 11,630 | 97.3 | 8,904.2 | 8,643 | 96.8 | 6,450.8 | 20,273 | 97.1 | 7,680.1 | 665,407 | 95.9 | 7,609.6 |
| Suicide | 64 | 0.5 | 49.5 | 123 | 1.4 | 104.7 | 187 | 0.9 | 77.0 | 6,379 | 0.9 | 75.0 |
| Homicide | 219 | 1.8 | 173.4 | 118 | 1.3 | 104.0 | 337 | 1.6 | 138.8 | 17,720 | 2.6 | 203.9 |
| Undetermined | 38 | 0.3 | 29.7 | 41 | 0.5 | 35.3 | 79 | 0.4 | 32.5 | 4,181 | 0.6 | 48.3 |
| Other | 4 | 0.0 | * | 0 | 0.0 | * | 4 | 0.0 | * | 404 | 0.1 | 4.7 |
| Total | 11,955 | 100.0 | 9,160.0 | 8,925 | 100.0 | 6,694.8 | 20,880 | 100.0 | 7,929.9 | 694,091 | 100.0 | 7,941.5 |

Source: NE Hospital Discharge Data 1999-2003

Rates per 100,000 population are age-adjusted to the 2000 U.S. standard population

* Fewer than five hospital discharges

Leading causes

- Falls were the leading cause of injury hospital discharges for all age groups combined with an age-adjusted rate of 2,058 per 100,000, which was relatively lower than the Nebraska rate (2,184 per 100,000). Falls were the leading cause of hospital discharges for age groups 0-4, 5-9, and 35 to 85 or older. (*Table H2 & Figure H1*).
- Struck by/against was the second leading cause of injury hospital discharge for all ages combined, and the leading cause for persons ages 10-34. The age-adjusted hospital discharge rate for struck by/against was higher than the Nebraska rate (1,456 and 1,132 per 100,000 respectively) (*Table H2 & Figure H1*).
- Cutting/piercing was the third leading cause of injury hospital discharge. The age-adjusted rate was slightly higher than the Nebraska rate (764 and 690 per 100,000) (*Figure H1*).
- Motor vehicle crashes (747 per 100,000) and overexertion (603 per 100,000) were the 4th and 5th ranking causes of injury hospital discharge in the ECDHD coverage area (*Figure H1*).

Table H2: Five Leading Causes of Hospital Discharges for Injury by Age, East Central District Health Department Coverage Area, Nebraska, 1999-2003

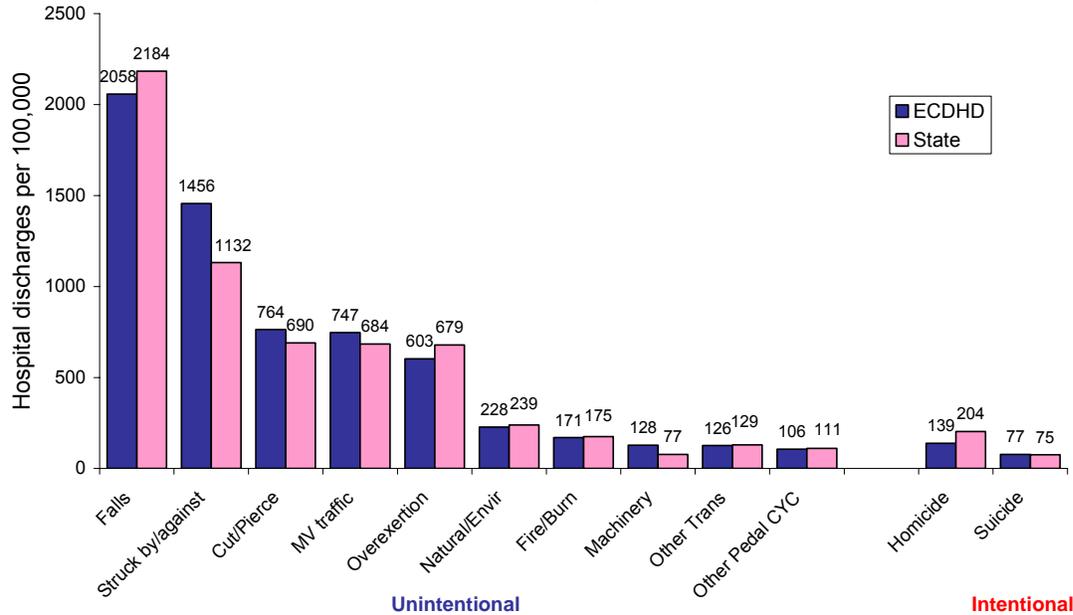
| Rank | <1 | 1-4 | 5-9 | 10-14 | 15-24 | 25-34 | 35-44 | 45-54 | 55-64 | 65-74 | 75-84 | 84+ | All Ages |
|------|------------------------------|-------------------------------|-------------------------------|-------------------------------|---------------------------------|-------------------------------|-------------------------------|-------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|---------------------------------|
| 1 | Falls N=80 | Falls N=638 | Falls N=456 | Struck by/against N=624 | Struck by/against N=1,211 | Struck by/against N=409 | Falls N=450 | Falls N=438 | Falls N=376 | Falls N=568 | Falls N=735 | Falls N=723 | Falls N=7,653 |
| 2 | Struck by/against N=30 | Struck by/against N=301 | Struck by/against N=383 | Falls N=492 | MV traffic N=731 | Falls N=361 | Struck by/against N=341 | Struck by/against N=257 | Cut/Pierce N=124 | MV traffic N=82 | MV traffic N=72 | Struck by/against N=32 | Struck by/against N=3,790 |
| 3 | Fire/Burn N=21 | Poisoning N=97 | Cut/Pierce N=126 | Cut/Pierce N=157 | Falls N=568 | Cut/Pierce N=356 | Cut/Pierce N=319 | Overexertion N=196 | Struck by/against N=93 | Cut/Pierce N=80 | Struck by/against N=47 | MV traffic N=23 | Cut/Pierce N=2,914 |
| 4 | Cut/Pierce N=7 | Cut/Pierce N=75 | Other Pedal CYC N=87 | Overexertion N=156 | Cut/Pierce N=457 | MV traffic N=238 | MV traffic N=234 | MV traffic N=183 | MV traffic N=92 | Struck by/against N=79 | Overexertion N=41 | Overexertion N=16 | MV traffic N=2,492 |
| 5 | Poisoning N=5 | Natural/Envir N=75 | MV traffic N=78 | Other Pedal CYC N=117 | Overexertion N=452 | Overexertion N=202 | Overexertion N=224 | Cut/Pierce N=183 | Overexertion N=79 | Overexertion N=59 | Cut/Pierce N=26 | Fire/Burn N=13 | Overexertion N=2,220 |

Hospital visits includes visits as Inpatient, ER and Non-ER patient

Note: Causes coded as "Other Specified" and "Unspecified" are excluded from this matrix

Source: Nebraska Hospital Discharge Data, 1999-2003

**Figure H1: Age-adjusted Injury Hospital Discharge Rates by Cause
East Central District Health Department, NE, 1999-2003**



Source: NE Hospital Discharge Data 1999-2003

Age

- Hospital discharge rates due to falls were the highest for persons age 85 and older. Females had a slightly higher rate compared to males (12,437 vs. 10,252 per 100,000) (*Table H3*).
- Among children ages 14 and under, the 1-4 year age group had a fall injury rate comparable to the Nebraska rate (4,382 vs. 4,310 per 100,000). This age group had the second highest injury fall rate after the 85-and-older age group (*Table H3*).
- The 15-24 year age group had the highest hospital discharge rate (3,390 per 100,000) for struck by/against, which was higher than the Nebraska rate (2,136 per 100,000). The rate was second highest for ages 5-14 at 2,453 per 100,000 (*Table H3*).
- Hospital discharge rates for overexertion (1,265 per 100,000) and motor vehicle crash injuries (2,046 per 100,000) were the highest for persons in the 15-24 year age group (*Table H3*).
- Hospital discharge rates for cutting/piercing injuries were highest for the 15-24 year age group (1,279 per 100,000) (*Table H3*).

Gender

- Females had higher fall injury hospital discharge rates than males (2,188 vs. 1,929 per 100,000) (*Table H3*).
- Males were twice as likely to be discharged as females due to struck by/against and cutting/piercing injuries (2,039 and 1,035 vs. 870 and 491 per 100,000) (*Table H3*).
- Female were more likely to be discharged than males because of a motor vehicle crash (815 vs. 679 per 100,000) (*Table H3*).

Table H3: Five Leading Causes of Injury Hospital Discharges, Rates by Gender and Age, East Central District Health Department Coverage Area, NE, 1999-2003

| Cause | Age | State | | | | | | | | | | | |
|-------------------|-------|-------------|--------------|---------------|-------------|--------------|---------------|-------------|--------------|---------------|---------------|---------------|---------------|
| | | Male | | | Female | | | Total | | | Rate | | |
| | | N | % | Rate | N | % | Rate | N | % | Rate | Male | Female | Total |
| MV traffic | <1 | 1 | 0.1 | * | 2 | 0.2 | * | 3 | 0.2 | * | 128.9 | 121.4 | 125.2 |
| MV traffic | 1-4 | 21 | 2.4 | 278.4 | 18 | 1.8 | 256.5 | 39 | 2.1 | 267.9 | 251.0 | 229.3 | 240.4 |
| MV traffic | 5-14 | 88 | 10 | 419.5 | 102 | 10.1 | 508 | 190 | 10.1 | 462.7 | 400.0 | 436.0 | 417.6 |
| MV traffic | 15-24 | 316 | 36 | 1656.1 | 415 | 41.1 | 2493.5 | 731 | 38.7 | 2046.2 | 1444.2 | 1831.5 | 1633.7 |
| MV traffic | 25-34 | 144 | 16.4 | 979.1 | 94 | 9.3 | 710.5 | 238 | 12.6 | 851.9 | 855.6 | 993.0 | 923.2 |
| MV traffic | 35-44 | 101 | 11.5 | 502.9 | 133 | 13.2 | 709.1 | 234 | 12.4 | 602.5 | 607.3 | 708.3 | 657.6 |
| MV traffic | 45-54 | 87 | 9.9 | 488.7 | 96 | 9.5 | 563.2 | 183 | 9.7 | 525.1 | 476.5 | 523.1 | 499.9 |
| MV traffic | 55-64 | 50 | 5.7 | 449.6 | 42 | 4.2 | 363.4 | 92 | 4.9 | 405.7 | 346.5 | 441.2 | 394.9 |
| MV traffic | 65-74 | 33 | 3.8 | 384.2 | 49 | 4.9 | 480.3 | 82 | 4.3 | 436.3 | 327.3 | 382.2 | 357.1 |
| MV traffic | 75-84 | 28 | 3.2 | 450.4 | 44 | 4.4 | 514.4 | 72 | 3.8 | 487.4 | 402.4 | 393.8 | 397.3 |
| MV traffic | 85+ | 8 | 0.9 | 448.2 | 15 | 1.5 | 345.5 | 23 | 1.2 | 375.4 | 404.8 | 248.5 | 293.6 |
| Total | | 877 | 100.0 | 679.0 | 1010 | 100.0 | 814.8 | 1887 | 100.0 | 747.0 | 629.3 | 737.3 | 684.0 |
| Falls | <1 | 50 | 2 | 2720.3 | 30 | 0.9 | 1689.2 | 80 | 1.4 | 2213.6 | 2298.5 | 2139.4 | 2220.8 |
| Falls | 1-4 | 358 | 14.1 | 4746.8 | 280 | 8.6 | 3990.3 | 638 | 11 | 4382.2 | 4871.2 | 3721.2 | 4309.7 |
| Falls | 5-14 | 516 | 20.3 | 2459.6 | 432 | 13.3 | 2151.4 | 948 | 16.4 | 2308.9 | 2855 | 2404.1 | 2634.8 |
| Falls | 15-24 | 323 | 12.7 | 1692.8 | 245 | 7.5 | 1472.1 | 568 | 9.8 | 1590 | 1570.9 | 1323.5 | 1449.9 |
| Falls | 25-34 | 183 | 7.2 | 1244.3 | 178 | 5.5 | 1345.3 | 361 | 6.2 | 1292.1 | 1048.4 | 1303.4 | 1173.8 |
| Falls | 35-44 | 205 | 8.1 | 1020.8 | 245 | 7.5 | 1306.2 | 450 | 7.8 | 1158.6 | 1084.2 | 1357.6 | 1220.2 |
| Falls | 45-54 | 170 | 6.7 | 954.9 | 268 | 8.2 | 1572.3 | 438 | 7.6 | 1256.9 | 1116 | 1610.3 | 1364.2 |
| Falls | 55-64 | 167 | 6.6 | 1501.8 | 209 | 6.4 | 1808.1 | 376 | 6.5 | 1657.9 | 1337.7 | 1976.8 | 1664.3 |
| Falls | 65-74 | 156 | 6.2 | 1816.1 | 312 | 9.6 | 3057.9 | 468 | 8.1 | 2490.3 | 2151.5 | 3581 | 2926.8 |
| Falls | 75-84 | 225 | 8.9 | 3619.1 | 510 | 15.7 | 5962.1 | 735 | 12.7 | 4976 | 4355.2 | 7355 | 6138.2 |
| Falls | 85+ | 183 | 7.2 | 10252 | 540 | 16.6 | 12437 | 723 | 12.5 | 11800 | 10070 | 14640 | 13320 |
| Total | | 2536 | 100.0 | 1928.6 | 3249 | 100.0 | 2188.0 | 5785 | 100.0 | 2058.0 | 2013.8 | 2349.3 | 2184.0 |
| Cut/Pierce | <1 | 3 | 0.2 | * | 4 | 0.7 | * | 7 | 0.4 | 193.7 | 228.7 | 185.5 | 207.6 |
| Cut/Pierce | 1-4 | 40 | 3 | 530.4 | 35 | 5.9 | 498.8 | 75 | 3.9 | 515.1 | 925.2 | 609.5 | 771.1 |
| Cut/Pierce | 5-14 | 199 | 15.1 | 948.6 | 84 | 14 | 418.3 | 283 | 14.7 | 689.3 | 1033.2 | 615.8 | 829.4 |
| Cut/Pierce | 15-24 | 337 | 25.5 | 1766.2 | 120 | 20.1 | 721 | 457 | 23.8 | 1279.3 | 1399.6 | 650.1 | 1032.9 |
| Cut/Pierce | 25-34 | 266 | 20.1 | 1808.7 | 90 | 15.1 | 680.2 | 356 | 18.5 | 1274.3 | 1138.4 | 596.8 | 872.2 |
| Cut/Pierce | 35-44 | 219 | 16.6 | 1090.5 | 100 | 16.7 | 533.1 | 319 | 16.6 | 821.3 | 861.0 | 517.5 | 690.1 |
| Cut/Pierce | 45-54 | 100 | 7.6 | 561.7 | 83 | 13.9 | 486.9 | 183 | 9.5 | 525.1 | 650.7 | 401.2 | 525.4 |
| Cut/Pierce | 55-64 | 82 | 6.2 | 737.4 | 42 | 7 | 363.4 | 124 | 6.5 | 546.8 | 555.0 | 309.7 | 429.6 |
| Cut/Pierce | 65-74 | 56 | 4.2 | 651.9 | 24 | 4 | * | 80 | 4.2 | 425.7 | 582.4 | 266.5 | 411.1 |
| Cut/Pierce | 75-84 | 15 | 1.1 | 241.3 | 11 | 1.8 | 128.6 | 26 | 1.4 | 176 | 448.3 | 214.8 | 309.5 |
| Cut/Pierce | 85+ | 5 | 0.4 | 280.1 | 5 | 0.8 | 115.2 | 10 | 0.5 | 163.2 | 333.7 | 194.8 | 234.9 |
| Total | | 1322 | 100.0 | 1035.4 | 598 | 100.0 | 490.9 | 1920 | 100.0 | 764.0 | 893.0 | 492.5 | 689.8 |
| Struck by/against | 0-1 | 19 | 0.7 | 1033.7 | 11 | 1 | 619.4 | 30 | 0.8 | 830.1 | 836 | 692.9 | 766.1 |
| Struck by/against | 1-4 | 193 | 7.1 | 2559 | 108 | 9.8 | 1539.1 | 301 | 7.9 | 2067.4 | 2812.4 | 1729.5 | 2283.7 |
| Struck by/against | 5-14 | 661 | 24.4 | 3150.8 | 346 | 31.4 | 1723.1 | 1007 | 26.5 | 2452.6 | 2919.3 | 1521.6 | 2236.7 |
| Struck by/against | 15-24 | 958 | 35.4 | 5020.7 | 253 | 23 | 1520.2 | 1211 | 31.8 | 3389.9 | 3069.3 | 1161.5 | 2135.8 |
| Struck by/against | 25-34 | 307 | 11.3 | 2087.4 | 102 | 9.3 | 770.9 | 409 | 10.7 | 1464 | 1212 | 676.9 | 948.9 |
| Struck by/against | 35-44 | 232 | 8.6 | 1155.3 | 109 | 9.9 | 581.1 | 341 | 9 | 878 | 854.1 | 527.3 | 691.6 |
| Struck by/against | 45-54 | 195 | 7.2 | 1095.3 | 62 | 5.6 | 363.7 | 257 | 6.8 | 737.5 | 574.9 | 385.7 | 479.9 |
| Struck by/against | 55-64 | 55 | 2 | 494.6 | 38 | 3.5 | 328.7 | 93 | 2.4 | 410.1 | 414.7 | 291.2 | 351.6 |
| Struck by/against | 65-74 | 49 | 1.8 | 570.4 | 30 | 2.7 | 294 | 79 | 2.1 | 420.4 | 415.7 | 292.7 | 349 |
| Struck by/against | 75-84 | 24 | 0.9 | 386 | 23 | 2.1 | 268.9 | 47 | 1.2 | 318.2 | 415.6 | 363.7 | 384.7 |
| Struck by/against | 85+ | 13 | 0.5 | 728.3 | 19 | 1.7 | 437.6 | 32 | 0.8 | 522.3 | 507.4 | 519.4 | 516 |
| Total | | 2706 | 100.0 | 2038.6 | 1101 | 100.0 | 870.3 | 3807 | 100.0 | 1456.0 | 1488.5 | 786.4 | 1132.3 |
| Overexertion | <1 | 1 | 0.1 | * | 1 | 0.1 | * | 2 | 0.1 | * | 111.1 | 156.8 | 133.4 |
| Overexertion | 1-4 | 30 | 3.5 | 397.8 | 39 | 5.7 | 555.8 | 69 | 4.5 | 473.9 | 352.6 | 519.6 | 434.1 |
| Overexertion | 5-14 | 93 | 10.9 | 443.3 | 101 | 14.9 | 503 | 194 | 12.6 | 472.5 | 537.1 | 610.3 | 572.9 |
| Overexertion | 15-24 | 276 | 32.3 | 1446.5 | 176 | 25.9 | 1057.5 | 452 | 29.5 | 1265.3 | 1317.5 | 1024.1 | 1173.9 |
| Overexertion | 25-34 | 133 | 15.6 | 904.3 | 69 | 10.2 | 521.5 | 202 | 13.2 | 723 | 952.4 | 828.7 | 891.6 |
| Overexertion | 35-44 | 115 | 13.5 | 572.7 | 109 | 16.1 | 581.1 | 224 | 14.6 | 576.7 | 817.7 | 677.3 | 747.9 |
| Overexertion | 45-54 | 125 | 14.6 | 702.1 | 71 | 10.5 | 416.5 | 196 | 12.8 | 562.4 | 616.4 | 572.9 | 594.5 |
| Overexertion | 55-64 | 42 | 4.9 | 377.7 | 37 | 5.4 | 320.1 | 79 | 5.1 | 348.3 | 426.6 | 433.8 | 430.3 |
| Overexertion | 65-74 | 23 | 2.7 | 267.8 | 36 | 5.3 | 352.8 | 59 | 3.8 | 313.9 | 356.1 | 445.4 | 404.6 |
| Overexertion | 75-84 | 12 | 1.4 | 193 | 29 | 4.3 | 339 | 41 | 2.7 | 277.6 | 311.8 | 419.9 | 376.0 |
| Overexertion | 85+ | 5 | 0.6 | 280.1 | 11 | 1.6 | 253.3 | 16 | 1 | 261.1 | 236.9 | 387.2 | 343.8 |
| Total | | 855 | 100.0 | 661.9 | 2706 | 100.0 | 543.1 | 1534 | 100.0 | 603.0 | 705.5 | 635.6 | 679.2 |

Source: Hospital Discharge Data 1999-2003

Rates are per 100,000 per year