

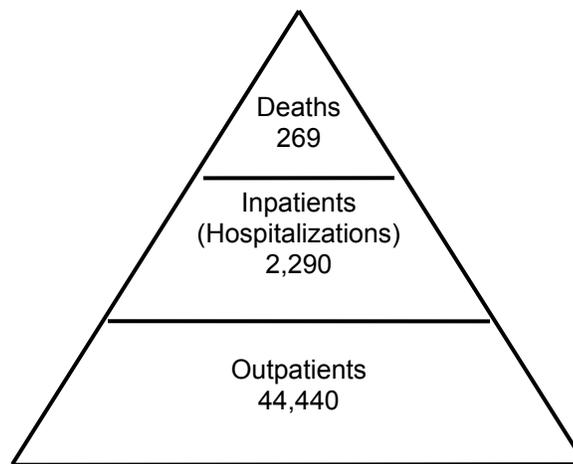
INJURY REPORT, 1999-2003

Sarpy/Cass Department of Health and Wellness Coverage Area
Cass and Sarpy Counties

Summary

Injury is a public health problem in the Sarpy/Cass Department of Health and Wellness (SCDHW) coverage area. Overall, injury is the fourth leading cause of death (*Table D1*). From 1999 to 2003, in addition to 269 injury deaths, over 2,200 residents in Cass and Sarpy Counties were hospitalized and more than 44,400 residents were treated at hospitals for injuries (*Figure A*). Overall, suicide was the leading cause of injury death. Motor vehicle crashes were second, followed by falls. In contrast to deaths, falls were the leading cause of injury-related hospital discharges and struck by/against injuries were second, followed by motor vehicle crashes, overexertion, and cutting/piercing.

Figure A: Injury Pyramid, Residents of Sarpy /Cass Department of Health and Wellness Coverage Area, NE, 1999-2003



The pattern of injury varied by age and gender. Injury had a greater impact on children and young adults. Of all deaths among those age 15-29, 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 SCDHW coverage area's progress towards the 2010 Nebraska Health Goals and Objectives related to deaths due to unintentional injuries, falls, motor vehicle crashes, suicide, and homicide (*Table A*).

Table A: Injury Death Rates, Sarpy/Cass Department of Health and Wellness Coverage Area, NE, 2003

| Death | Age-adjusted Rate 2003 | 2010 Nebraska Objective (rate per |
|----------------------|------------------------|-----------------------------------|
| | | 100,000 population) |
| Unintentional Injury | 28.3 | 19.4 |
| Fall | 8.1 | 3.5 |
| Motor Vehicle Crash | 6.6 | 12 |
| Suicide | 10.2 | 8.2 |
| Homicide | * | 2 |

Source: DHHS Death Certificate Data 2003

* Fewer than five deaths

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 SCDHW (*Table D1*).

**Table D1: Five Leading Causes of Death,
Sarpy/Cass Dept. of Health and Wellness Coverage Area, NE, 1999-2003**

| Rank | Cause | Total Number of Death |
|------|--------------|-----------------------|
| 1 | Heart | 1,019 |
| 2 | Cancer | 896 |
| 3 | Stroke | 263 |
| 4 | Injury | 261 |
| 5 | Chronic Lung | 214 |

Source: DHHS Death Certificate Data 1999-2003

- An average of 52 residents died because of an injury each year (*Table D2*).
- Deaths due to injury made up 6.7% of total deaths in the SCDHW district compared to 6% of deaths in Nebraska. In the SCDHW coverage area, 74.1% of all deaths among 15-19-year-olds and 68.4% of deaths among 20-24 year olds were due to injuries (*Table D2*).

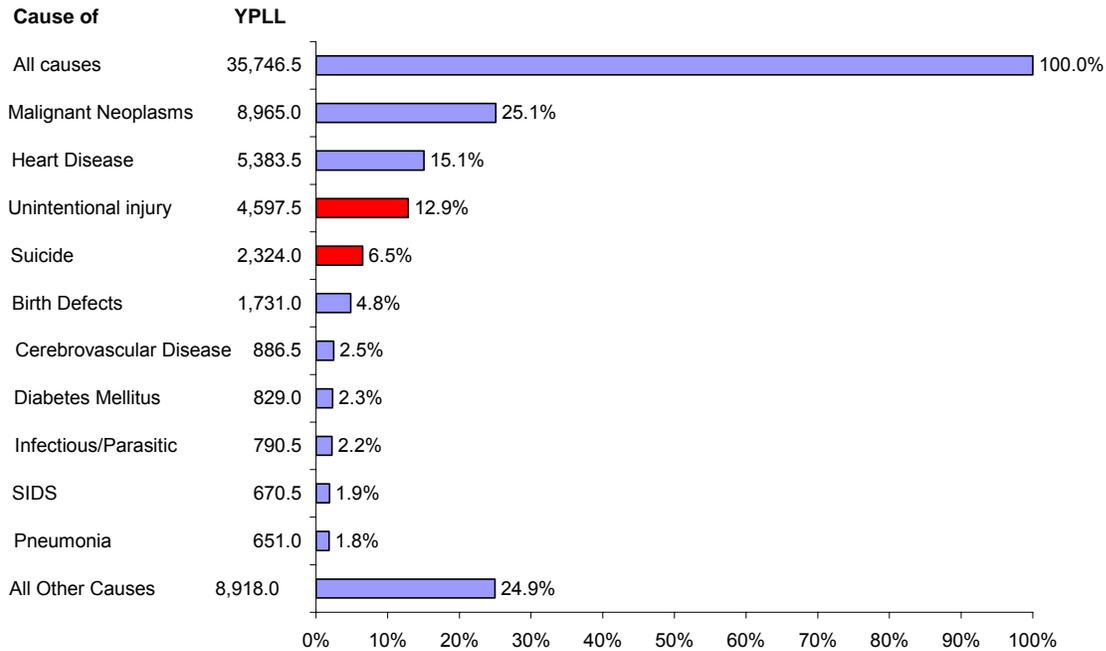
**Table D2: Injury Deaths as a Percent of All Deaths by Age,
Sarpy/Cass Dept. of Health & Wellness Coverage Area, NE, 1999-2003**

| Age Group | Annual Average | | | Percent of Death due to Injury |
|--------------|----------------|---------------|--------------|--------------------------------------|
| | Injury Deaths | Injury Deaths | All Deaths | |
| <1 | 2 | 0 | 64 | 3.1 |
| 1-4 | 4 | 0 | 14 | 28.6 |
| 5-9 | 4 | 1 | 8 | 50.0 |
| 10-14 | 4 | 1 | 9 | 44.4 |
| 15-19 | 20 | 4 | 27 | 74.1 |
| 20-24 | 26 | 5 | 38 | 68.4 |
| 25-29 | 15 | 3 | 24 | 62.5 |
| 30-34 | 17 | 3 | 34 | 50.0 |
| 35-39 | 21 | 4 | 55 | 38.2 |
| 40-44 | 18 | 4 | 96 | 18.8 |
| 45-49 | 15 | 3 | 97 | 15.5 |
| 50-54 | 12 | 2 | 153 | 7.8 |
| 55-59 | 11 | 2 | 187 | 5.9 |
| 60-64 | 5 | 1 | 242 | 2.1 |
| 65-74 | 27 | 5 | 767 | 3.5 |
| 75-84 | 32 | 6 | 1,030 | 3.1 |
| 85+ | 28 | 6 | 1,034 | 2.7 |
| Total | 261 | 52 | 3,879 | 6.7 |

Source: DHHS Death Certificate Data 1999-2003

- Years of Potential Life Lost (YPLL) from unintentional injury ranked third (12.9%), following that from cancer (25.1%) and heart disease (15.1%). Suicide ranked 4th at 6.5% (*Figure D1*).

Figure D1: Years of Potential Life Lost (YPLL) before 75 by Cause of Death, Sarpy/Cass Department of Health and Wellness Coverage Area, NE, 1999-2003



- The SCDHW district had a lower unintentional injury rate (31.1 per 100,000), higher suicide rate (11.3 per 100,000), and lower homicide rate (1.2 per 100,000) when compared to Nebraska rates (33.3, 10.6, and 3.2 per 100,000) respectively (Table D3).

Table D3: Injury Deaths, Percentage, and Age-adjusted Rates, Sarpy/Cass Department of Health and Wellness Coverage Area, NE, 1999-2003

| Intent | Male | | | Female | | | Total | | | State | | |
|-----------------|------------|--------------|-------------|-----------|--------------|-------------|------------|--------------|-------------|--------------|--------------|-------------|
| | N | % | Rate | N | % | Rate | N | % | Rate | N | % | Rate |
| Unintentional | 114 | 61.3 | 41.4 | 63 | 75.9 | 21.0 | 177 | 65.8 | 31.1 | 3,020 | 68.3 | 33.3 |
| Suicide | 63 | 33.9 | 19.8 | 11 | 13.3 | 3.0 | 74 | 27.5 | 11.3 | 894 | 20.2 | 10.6 |
| Homicide | 5 | 2.7 | 1.2 | 5 | 6.0 | 1.3 | 10 | 3.7 | 1.2 | 273 | 6.2 | 3.2 |
| Undetermined | 2 | 1.1 | * | 2 | 2.4 | * | 4 | 1.5 | * | 139 | 3.1 | 1.6 |
| Adverse Effects | 2 | 1.1 | * | 2 | 2.4 | * | 4 | 1.5 | * | 93 | 2.1 | 1.0 |
| Total | 186 | 100.0 | 64.2 | 83 | 100.0 | 26.4 | 269 | 100.0 | 45.2 | 4,419 | 100.0 | 48.9 |

Source: DHHS Death Certificate Data, 1999-2003

* Fewer than five deaths

- More males (69%) died from all injury-related causes than females (31%) (Table D4).

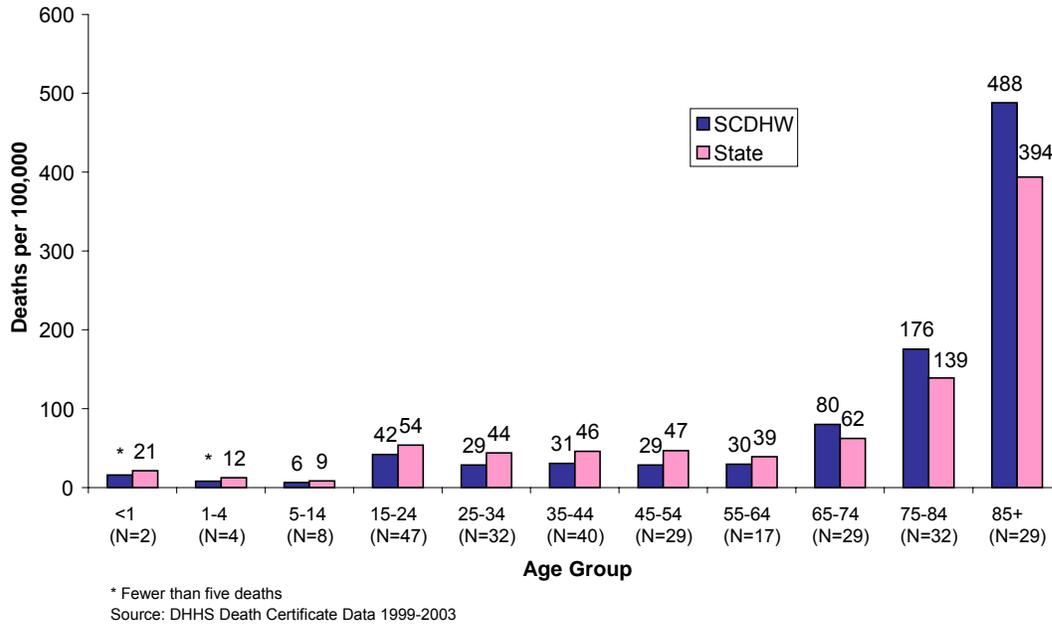
**Table D4: Injury-related Deaths and Hospital Discharges by Gender, Age, and Race,
Sarpy/Cass Department of Health and Wellness Coverage Area, NE, 1999-2003**

| | Sarpy/Cass DHW | | | | State | | | |
|---------------|----------------|-------|---------------------|-------|--------|-------|---------------------|-------|
| | Deaths | | Hospital Discharges | | Deaths | | Hospital Discharges | |
| | N | % | N | % | N | % | N | % |
| Gender | | | | | | | | |
| Male | 186 | 69.1 | 25,397 | 54.4 | 2,848 | 64.3 | 386,563 | 53.1 |
| Female | 83 | 30.9 | 21,333 | 45.7 | 1,581 | 35.7 | 341,506 | 46.9 |
| Total | 269 | 100.0 | 46,730 | 100.0 | 4,429 | 100.0 | 728,069 | 100.0 |
| Age | | | | | | | | |
| <1 | 2 | 0.7 | 574 | 1.2 | 26 | 0.6 | 7,142 | 1.0 |
| 1-4 | 4 | 1.5 | 4,684 | 10.0 | 58 | 1.3 | 59,764 | 8.2 |
| 5-14 | 8 | 3.0 | 9,273 | 19.8 | 107 | 2.4 | 122,382 | 16.8 |
| 15-24 | 47 | 17.5 | 8,810 | 18.9 | 699 | 15.8 | 144,001 | 19.8 |
| 25-34 | 32 | 11.9 | 5,785 | 12.4 | 486 | 11.0 | 84,574 | 11.6 |
| 35-44 | 40 | 14.9 | 5,992 | 12.8 | 593 | 13.4 | 84,445 | 11.6 |
| 45-54 | 29 | 10.8 | 4,485 | 9.6 | 547 | 12.4 | 66,321 | 9.1 |
| 55-64 | 17 | 6.3 | 2,537 | 5.4 | 292 | 6.6 | 39,540 | 5.4 |
| 65-74 | 29 | 10.8 | 1,896 | 4.1 | 355 | 8.0 | 40,555 | 5.6 |
| 75-84 | 32 | 11.9 | 1,643 | 3.5 | 575 | 13.0 | 45,135 | 6.2 |
| 85+ | 29 | 10.8 | 1,051 | 2.3 | 691 | 15.6 | 34,222 | 4.7 |
| Total | 269 | 100.0 | 46,730 | 100.0 | 4,429 | 100.0 | 728,081 | 100.0 |
| Race | | | | | | | | |
| Asian | 2 | 0.7 | | | 29 | 0.7 | | |
| African | | | | | | | | |
| American | 3 | 1.1 | | | 194 | 4.4 | | |
| Native | | | | | | | | |
| American | 0 | 0.0 | | | 72 | 1.6 | | |
| White | 263 | 97.8 | | | 4,123 | 93.1 | | |
| Other | 1 | 0.4 | | | 11 | 0.3 | | |
| Total | 269 | 100.0 | | | 4,429 | 100.0 | | |

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

- Injury death rates were the highest for the oldest age group, 85 and older. Persons in this age group had higher injury death rates at 488 per 100,000 compared to the Nebraska rate of 394 per 100,000 (*Figure D2*).

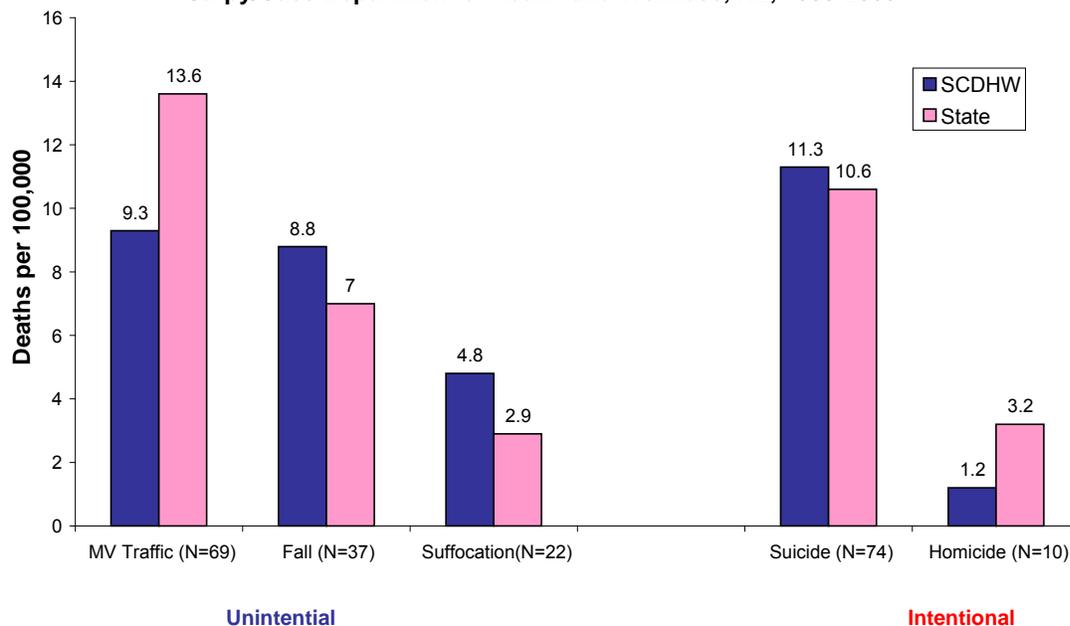
Figure D2: All injury death rates by age, Sarpy/Cass Department of Health and Wellness coverage area, NE, 1999-2003



Leading causes

- Suicide was the leading cause of injury death. The age-adjusted death rate for suicide was slightly higher than the Nebraska rate (11.3 and 10.6 per 100,000 respectively) (*Figure D3*).
- Motor vehicle crashes were the second leading cause of injury death with an age-adjusted rate of 9.3 per 100,000. The rate was lower than the Nebraska rate (13.6 per 100,000) (*Figure D3*).
- Falls were the third leading cause of injury death. The age-adjusted death rate due to falls was 8.8 compared to the Nebraska rate of 7.0 per 100,000 (*Figure D3*).

**Figure D3: Age-adjusted injury death rates by cause,
Sarpy/Cass Department of Health and Wellness, NE, 1999-2003**



Source: DHHS Death Certificate Data 1999-2003

Age

- The most motor vehicle crash deaths were among persons age 15-24 (39.1%) (Table D5).
- More than 67% of the deaths (N=25) due to fall injuries were persons 75 years and older (Table D6).
- The most suicide deaths were among persons in the 35-44 year age group (21.6%), followed by the 25-34 year age group (18.9%) (Table D7).

**Table D5: Deaths Due to Motor Vehicle Crash by Age and Gender,
Sarpy/Cass Department of Health and Wellness Coverage Area, 1999-2003**

| Age | Male | | Female | | Total | |
|--------------|-----------|--------------|-----------|--------------|-----------|--------------|
| | N | % | N | % | N | % |
| 1-4 | 1 | 1.9 | 0 | 0.0 | 1 | 1.4 |
| 5-14 | 1 | 1.9 | 0 | 0.0 | 1 | 1.4 |
| 15-24 | 24 | 45.3 | 3 | 18.8 | 27 | 39.1 |
| 25-34 | 6 | 11.3 | 4 | 25.0 | 10 | 14.5 |
| 35-44 | 11 | 20.8 | 1 | 6.3 | 12 | 17.4 |
| 45-54 | 4 | 7.5 | 2 | 12.5 | 6 | 8.7 |
| 55-64 | 2 | 3.8 | 4 | 25.0 | 6 | 8.7 |
| 65-74 | 2 | 3.8 | 1 | 6.3 | 3 | 4.3 |
| 75-84 | 2 | 3.8 | 1 | 6.3 | 3 | 4.3 |
| Total | 53 | 100.0 | 16 | 100.0 | 69 | 100.0 |

Source: DHHS Death Certificate Data, 1999-2003

**Table D6: Deaths Due to Fall by Age and Gender,
Sarpy/Cass Department of Health and Wellness Coverage Area, 1999-2003**

| Age | Male | | Female | | Total | |
|--------------|-----------|--------------|-----------|--------------|-----------|--------------|
| | N | % | N | % | N | % |
| 5-14 | 0 | 0.0 | 1 | 6.3 | 1 | 2.7 |
| 15-24 | 1 | 4.8 | 0 | 0.0 | 1 | 2.7 |
| 35-44 | 2 | 9.5 | 0 | 0.0 | 2 | 5.4 |
| 45-54 | 3 | 14.3 | 0 | 0.0 | 3 | 8.1 |
| 55-64 | 1 | 4.8 | 0 | 0.0 | 1 | 2.7 |
| 65-74 | 4 | 19.0 | 0 | 0.0 | 4 | 10.8 |
| 75-84 | 4 | 19.0 | 9 | 56.3 | 13 | 35.1 |
| 85+ | 6 | 28.6 | 6 | 37.5 | 12 | 32.4 |
| Total | 21 | 100.0 | 16 | 100.0 | 37 | 100.0 |

Source: DHHS Death Certificate Data, 1999-2003

**Table D7: Deaths Due to Suicide by Age and Gender,
Sarpy/Cass Department of Health and Wellness Coverage Area, 1999-2003**

| Age | Male | | Female | | Total | |
|--------------|-----------|--------------|-----------|--------------|-----------|--------------|
| | N | % | N | % | N | % |
| 15-24 | 9 | 14.3 | 3 | 27.3 | 12 | 16.2 |
| 25-34 | 12 | 19.0 | 2 | 18.2 | 14 | 18.9 |
| 35-44 | 15 | 23.8 | 1 | 9.1 | 16 | 21.6 |
| 45-54 | 11 | 17.5 | 2 | 18.2 | 13 | 17.6 |
| 55-64 | 4 | 6.3 | 1 | 9.1 | 5 | 6.8 |
| 65-74 | 6 | 9.5 | 2 | 18.2 | 8 | 10.8 |
| 75-84 | 4 | 6.3 | 0 | 0.0 | 4 | 5.4 |
| 85+ | 2 | 3.2 | 0 | 0.0 | 2 | 2.7 |
| Total | 63 | 100.0 | 11 | 100.0 | 74 | 100.0 |

Source: DHHS Death Certificate Data, 1999-2003

Gender

- More males (N=53) died from motor vehicle crashes than females (N=16) (*Table D5*).
- More males (N=21) died from fall injuries than females (N=16) (*Table D6*).
- Nearly six times as many males (N=63) as females died from suicide (N=11) (*Table D7*).

Hospital discharges

Overall

- The SCDHW coverage area had a lower unintentional injury hospital discharge rate (5,637 per 100,000), similar suicide attempt rates (73 per 100,000) and lower homicide rates (120 per 100,000) when compared to the Nebraska rates (7,610, 75, and 204 per 100,000 respectively) (*Table H1*).

Table H1: Injury Hospital Discharges, Percentage, and Age-adjusted Rates, Sarpy/Cass Department of Health and Wellness Coverage Area, NE, 1999-2003

| Intent | Males | | | Females | | | Total | | | State | | |
|---------------|---------------|--------------|----------------|---------------|--------------|----------------|---------------|--------------|----------------|----------------|--------------|----------------|
| | N | % | Rate | N | % | Rate | N | % | Rate | N | % | Rate |
| Unintentional | 23,289 | 96.0 | 6,106.3 | 19,344 | 95.7 | 5,173.5 | 42,633 | 95.8 | 5,637.1 | 665,407 | 95.9 | 7,609.6 |
| Suicide | 185 | 0.8 | 46.8 | 390 | 1.9 | 98.7 | 575 | 1.3 | 72.9 | 6,379 | 0.9 | 75.0 |
| Homicide | 616 | 2.5 | 150.9 | 355 | 1.8 | 89.1 | 971 | 2.2 | 119.8 | 17,720 | 2.6 | 203.9 |
| Undetermined | 157 | 0.6 | 41.7 | 127 | 0.6 | 33.6 | 284 | 0.6 | 37.6 | 4,181 | 0.6 | 48.3 |
| Other | 13 | 0.1 | 3.2 | 5 | 0.0 | 1.3 | 18 | 0.0 | 2.2 | 404 | 0.1 | 4.7 |
| Total | 24,260 | 100.0 | 6,348.9 | 20,221 | 100.0 | 5,396.1 | 44,481 | 100.0 | 5,869.6 | 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

- More males (54%) than females (46%) were treated at a hospital for all injury-related causes (*Table D4*).

Leading causes

- Falls were the leading cause of injury-related hospital discharge for all age groups combined with an age-adjusted rate of 1,611 per 100,000. The rate was relatively lower than the Nebraska rate (2,184 per 100,000) (*Table H2 & Figure H1*).
- Struck by/against was the second leading cause of injury-related hospital discharge for all age groups combined, and the leading cause for persons age 10-14. The age-adjusted hospital discharge rate for struck by/against was lower than the Nebraska rate (798 vs. 1,132 per 100,000) (*Table H2 & Figure H1*).
- Motor vehicle crashes and overexertion were tied as the third leading cause of injury hospital discharge (*Figure H1*).
- Cutting/piercing (488 per 100,000) was the fifth ranking cause of injury hospital discharge (*Figure H1*).

Table H2: Five Leading Causes of Hospital Discharges for Injury by Age, Sarpy/Cass Department of Health and Wellness Coverage Area, Nebraska, 1999-2003

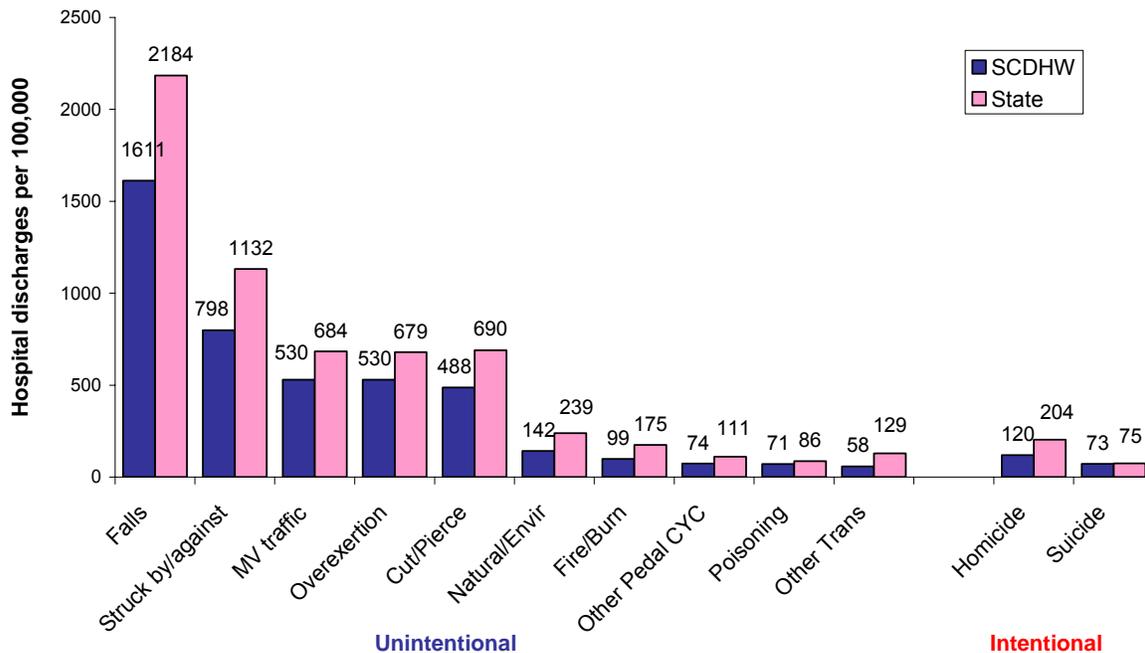
| Rank | <1 | 1-4 | 5-9 | 10-14 | 15-24 | 25-34 | 35-44 | 45-54 | 55-64 | 65-74 | 75-84 | 84+ | All Ages |
|------|------------------------------|-------------------------------|-------------------------------|--------------------------------|--------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|------------------------------|------------------------------|------------------------------|---------------------------------|
| 1 | Falls N=203 | Falls N=1501 | Falls N=1269 | Struck by/against N=1163 | MV traffic N=1601 | Falls N=858 | Falls N=1023 | Falls N=1019 | Falls N=709 | Falls N=775 | Falls N=948 | Falls N=748 | Falls N=11,174 |
| 2 | Struck by/against N=88 | Struck by/against N=939 | Struck by/against N=853 | Falls N=1153 | Struck by/against N=1479 | Overexertion N=738 | Overexertion N=714 | Overexertion N=482 | Overexertion N=227 | Cut/Pierce N=122 | Overexertion N=49 | Overexertion N=19 | Struck by/against N=6,522 |
| 3 | Suffocation N=31 | Cut/Pierce N=255 | Cut/Pierce N=312 | Overexertion N=478 | Overexertion N=1008 | MV traffic N=708 | Cut/Pierce N=660 | Cut/Pierce N=421 | Cut/Pierce N=218 | Overexertion N=111 | Cut/Pierce N=48 | Struck by/against N=17 | Overexertion N=4,126 |
| 4 | Fire/Burn N=29 | Poisoning N=225 | Other Pedal CYC N=213 | Cut/Pierce N=350 | Falls N=968 | Struck by/against N=707 | MV traffic N=647 | MV traffic N=377 | MV traffic N=181 | MV traffic N=108 | Struck by/against N=48 | Cut/Pierce N=16 | MV traffic N=4,121 |
| 5 | Poisoning N=21 | Natural/Envir N=187 | Natural/Envir N=153 | Other Pedal CYC N=250 | Cut/Pierce N=774 | Cut/Pierce N=602 | Struck by/against N=616 | Struck by/against N=368 | Struck by/against N=151 | Struck by/against N=93 | MV traffic N=47 | MV traffic N=12 | Cut/Pierce N=3,795 |

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
Sarpy/Cass Department of Health and Wellness, 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 higher rate than males (13,852 vs. 9337 per 100,000) (*Table H3*).
- Among children age 14 and under, the 1-4 year age group had a fall injury rate slightly lower than the Nebraska rate (3,101 vs. 4,310). This age group had the third highest injury fall rate after the 75-84 and 85 and older age groups (*Table H3*).
- The 1-4 year age group had the highest hospital discharge rate of struck by/against (1,940 per 100,000), which was lower than the Nebraska rate (2,284 per 100,000). (*Table H3*).
- The 15-24 year age group had the highest hospital discharge rates of motor vehicle crash injuries, overexertion, and cutting/piercing (1,430, 1036, and 925 per 100,000 respectively) compared to other age groups (*Table H3*).

Gender

- Females had higher injury hospital discharge rates for falls than males (1,738 vs. 1,483 per 100,000) (*Table H3*).
- Male hospital discharge rates for struck by/against and cutting/piercing were almost twice the rates for females (1,062 and 629 vs. 538 and 348 per 100,000) (*Table H3*).
- Female motor vehicle injury hospital discharge rates were higher than male rates (589 vs. 470 per 100,000) (*Table H3*).

Table H3: Five Leading Causes of Injury Hospital Discharges, Rates by Gender and Age, Sarpy/Cass Department of Health and Wellness Coverage Area, NE, 1999-2003

| Cause | Age | Sarpy/Cass DHW | | | | | | | | | State | | |
|-------------------|-------|----------------|-------|--------|--------|-------|--------|-------|-------|--------|---------|---------|---------|
| | | Male | | | Female | | | Total | | | Rate | | |
| | | N | % | Rate | N | % | Rate | N | % | Rate | Male | Female | Total |
| Falls | <1 | 101 | 2 | 1594.1 | 102 | 1.7 | 1691.5 | 203 | 1.8 | 1641.6 | 2298.5 | 2139.4 | 2220.8 |
| Falls | 1-4 | 886 | 17.2 | 3594.2 | 615 | 10.2 | 2589.1 | 1501 | 13.4 | 3101 | 4871.2 | 3721.2 | 4309.7 |
| Falls | 5-14 | 1368 | 26.6 | 2136.2 | 1054 | 17.5 | 1715.9 | 2422 | 21.7 | 1930.4 | 2855.0 | 2404.1 | 2634.8 |
| Falls | 15-24 | 536 | 10.4 | 935.2 | 432 | 7.2 | 790 | 968 | 8.7 | 864.3 | 1570.9 | 1323.5 | 1449.9 |
| Falls | 25-34 | 388 | 7.6 | 704.1 | 470 | 7.8 | 841.9 | 858 | 7.7 | 773.5 | 1048.4 | 1303.4 | 1173.8 |
| Falls | 35-44 | 486 | 9.5 | 747.8 | 537 | 8.9 | 821.9 | 1023 | 9.2 | 785 | 1084.2 | 1357.6 | 1220.2 |
| Falls | 45-54 | 417 | 8.1 | 842.2 | 602 | 10 | 1180.1 | 1019 | 9.1 | 1013.7 | 1116.0 | 1610.3 | 1364.2 |
| Falls | 55-64 | 254 | 4.9 | 900.4 | 455 | 7.5 | 1591.9 | 709 | 6.3 | 1248.4 | 1337.7 | 1976.8 | 1664.3 |
| Falls | 65-74 | 303 | 5.9 | 1759.5 | 472 | 7.8 | 2490.9 | 775 | 6.9 | 2142.7 | 2151.5 | 3581.0 | 2926.8 |
| Falls | 75-84 | 244 | 4.7 | 3373.9 | 704 | 11.7 | 6405.8 | 948 | 8.5 | 5202.5 | 4355.2 | 7355.0 | 6138.2 |
| Falls | 85+ | 155 | 3 | 9337.3 | 593 | 9.8 | 13852 | 748 | 6.7 | 12590 | 10070.0 | 14640.0 | 13320.0 |
| Total | | 5138 | 100.0 | 1482.9 | 6036 | 100.0 | 1738.3 | 11174 | 100.0 | 1611.0 | 2013.8 | 2349.3 | 2184.0 |
| Struck by/against | <1 | 50 | 1.1 | 789.1 | 38 | 1.8 | 630.2 | 88 | 1.3 | 711.6 | 836 | 692.9 | 766.1 |
| Struck by/against | 1-4 | 595 | 13.6 | 2413.7 | 344 | 15.9 | 1448.2 | 939 | 14.4 | 1939.9 | 2812.4 | 1729.5 | 2283.7 |
| Struck by/against | 5-14 | 1375 | 31.5 | 2147.1 | 641 | 29.7 | 1043.5 | 2016 | 30.9 | 1606.8 | 2919.3 | 1521.6 | 2236.7 |
| Struck by/against | 15-24 | 1105 | 25.3 | 1927.9 | 374 | 17.3 | 683.9 | 1479 | 22.7 | 1320.6 | 3069.3 | 1161.5 | 2135.8 |
| Struck by/against | 25-34 | 454 | 10.4 | 823.9 | 253 | 11.7 | 453.2 | 707 | 10.8 | 637.3 | 1212 | 676.9 | 948.9 |
| Struck by/against | 35-44 | 374 | 8.6 | 575.5 | 242 | 11.2 | 370.4 | 616 | 9.4 | 472.7 | 854.1 | 527.3 | 691.6 |
| Struck by/against | 45-54 | 241 | 5.5 | 486.7 | 127 | 5.9 | 249 | 368 | 5.6 | 366.1 | 574.9 | 385.7 | 479.9 |
| Struck by/against | 55-64 | 88 | 2 | 312 | 63 | 2.9 | 220.4 | 151 | 2.3 | 265.9 | 414.7 | 291.2 | 351.6 |
| Struck by/against | 65-74 | 53 | 1.2 | 307.8 | 40 | 1.9 | 211.1 | 93 | 1.4 | 257.1 | 415.7 | 292.7 | 349 |
| Struck by/against | 75-84 | 25 | 0.6 | 345.7 | 23 | 1.1 | 209.3 | 48 | 0.7 | 263.4 | 415.6 | 363.7 | 384.7 |
| Struck by/against | 85+ | 4 | 0.1 | * | 13 | 0.6 | 303.7 | 17 | 0.3 | 286.1 | 507.4 | 519.4 | 516 |
| Total | | 4364 | 100.0 | 1061.9 | 2158 | 100.0 | 538.1 | 6522 | 100.0 | 798.0 | 1488.5 | 786.4 | 1132.3 |
| MV traffic | <1 | 8 | 0.4 | 126.3 | 7 | 0.3 | 116.1 | 15 | 0.4 | 121.3 | 128.9 | 121.4 | 125.2 |
| MV traffic | 1-4 | 36 | 2 | 146 | 36 | 1.6 | 151.6 | 72 | 1.7 | 148.7 | 251.0 | 229.3 | 240.4 |
| MV traffic | 5-14 | 176 | 9.6 | 274.8 | 177 | 7.8 | 288.2 | 353 | 8.6 | 281.4 | 400.0 | 436.0 | 417.6 |
| MV traffic | 15-24 | 716 | 39 | 1249.2 | 885 | 38.8 | 1618.4 | 1601 | 38.8 | 1429.5 | 1444.2 | 1831.5 | 1633.7 |
| MV traffic | 25-34 | 306 | 16.6 | 555.3 | 402 | 17.6 | 720.1 | 708 | 17.2 | 638.2 | 855.6 | 993.0 | 923.2 |
| MV traffic | 35-44 | 299 | 16.3 | 460.1 | 348 | 15.2 | 532.6 | 647 | 15.7 | 496.4 | 607.3 | 708.3 | 657.6 |
| MV traffic | 45-54 | 167 | 9.1 | 337.3 | 210 | 9.2 | 411.7 | 377 | 9.1 | 375 | 476.5 | 523.1 | 499.9 |
| MV traffic | 55-64 | 69 | 3.8 | 244.6 | 112 | 4.9 | 391.9 | 181 | 4.4 | 318.7 | 346.5 | 441.2 | 394.9 |
| MV traffic | 65-74 | 41 | 2.2 | 238.1 | 67 | 2.9 | 353.6 | 108 | 2.6 | 298.6 | 327.3 | 382.2 | 357.1 |
| MV traffic | 75-84 | 15 | 0.8 | 207.4 | 32 | 1.4 | 291.2 | 47 | 1.1 | 257.9 | 402.4 | 393.8 | 397.3 |
| MV traffic | 85+ | 5 | 0.3 | 301.2 | 7 | 0.3 | 163.5 | 12 | 0.3 | 202 | 404.8 | 248.5 | 293.6 |
| Total | | 1838 | 100.0 | 469.6 | 2283 | 100.0 | 589.2 | 4121 | 100.0 | 530.0 | 629.3 | 737.3 | 684.0 |
| Overexertion | 0-1 | 8 | 0.4 | 126.3 | 7 | 0.4 | 116.1 | 15 | 0.4 | 121.3 | 111.1 | 156.8 | 133.4 |
| Overexertion | 1-4 | 66 | 3.1 | 267.7 | 91 | 4.6 | 383.1 | 157 | 3.8 | 324.4 | 352.6 | 519.6 | 434.1 |
| Overexertion | 5-14 | 300 | 13.9 | 468.5 | 306 | 15.5 | 498.2 | 606 | 14.7 | 483 | 537.1 | 610.3 | 572.9 |
| Overexertion | 15-24 | 594 | 27.5 | 1036.4 | 414 | 21 | 757.1 | 1008 | 24.4 | 900 | 1317.5 | 1024.1 | 1173.9 |
| Overexertion | 25-34 | 406 | 18.8 | 736.7 | 332 | 16.9 | 594.7 | 738 | 17.9 | 665.3 | 952.4 | 828.7 | 891.6 |
| Overexertion | 35-44 | 387 | 17.9 | 595.5 | 327 | 16.6 | 500.5 | 714 | 17.3 | 547.9 | 817.7 | 677.3 | 747.9 |
| Overexertion | 45-54 | 218 | 10.1 | 440.3 | 264 | 13.4 | 517.5 | 482 | 11.7 | 479.5 | 616.4 | 572.9 | 594.5 |
| Overexertion | 55-64 | 116 | 5.4 | 411.2 | 111 | 5.6 | 388.4 | 227 | 5.5 | 399.7 | 426.6 | 433.8 | 430.3 |
| Overexertion | 65-74 | 43 | 2 | 249.7 | 68 | 3.5 | 358.9 | 111 | 2.7 | 306.9 | 356.1 | 445.4 | 404.6 |
| Overexertion | 75-84 | 14 | 0.6 | 193.6 | 35 | 1.8 | 318.5 | 49 | 1.2 | 268.9 | 311.8 | 419.9 | 376 |
| Overexertion | 85+ | 5 | 0.2 | 301.2 | 14 | 0.7 | 327 | 19 | 0.5 | 319.8 | 236.9 | 387.2 | 343.8 |
| Total | | 2157 | 100.0 | 550.2 | 1969 | 100.0 | 509.0 | 4126 | 100.0 | 530.0 | 705.5 | 635.6 | 679.2 |
| Cut/Pierce | <1 | 12 | 0.5 | 189.4 | 5 | 0.4 | 82.9 | 17 | 0.4 | 137.5 | 228.7 | 185.5 | 207.6 |
| Cut/Pierce | 1-4 | 154 | 6.3 | 624.7 | 101 | 7.5 | 425.2 | 255 | 6.7 | 526.8 | 925.2 | 609.5 | 771.1 |
| Cut/Pierce | 5-14 | 418 | 17.1 | 652.7 | 244 | 18 | 397.2 | 662 | 17.4 | 527.6 | 1033.2 | 615.8 | 829.4 |
| Cut/Pierce | 15-24 | 530 | 21.7 | 924.7 | 244 | 18 | 446.2 | 774 | 20.4 | 691.1 | 1399.6 | 650.1 | 1032.9 |
| Cut/Pierce | 25-34 | 398 | 16.3 | 722.2 | 204 | 15.1 | 365.4 | 602 | 15.9 | 542.7 | 1138.4 | 596.8 | 872.2 |
| Cut/Pierce | 35-44 | 430 | 17.6 | 661.6 | 230 | 17 | 352 | 660 | 17.4 | 506.4 | 861.0 | 517.5 | 690.1 |
| Cut/Pierce | 45-54 | 255 | 10.4 | 515 | 166 | 12.3 | 325.4 | 421 | 11.1 | 418.8 | 650.7 | 401.2 | 525.4 |
| Cut/Pierce | 55-64 | 138 | 5.7 | 489.2 | 80 | 5.9 | 279.9 | 218 | 5.7 | 383.9 | 555.0 | 309.7 | 429.6 |
| Cut/Pierce | 65-74 | 73 | 3 | 423.9 | 49 | 3.6 | 258.6 | 122 | 3.2 | 337.3 | 582.4 | 266.5 | 411.1 |
| Cut/Pierce | 75-84 | 27 | 1.1 | 373.3 | 21 | 1.6 | 191.1 | 48 | 1.3 | 263.4 | 448.3 | 214.8 | 309.5 |
| Cut/Pierce | 85+ | 7 | 0.3 | 421.7 | 9 | 0.7 | 210.2 | 16 | 0.4 | 269.3 | 333.7 | 194.8 | 234.9 |
| Total | | 2442 | 100.0 | 629.3 | 1353 | 100.0 | 348.3 | 3795 | 100.0 | 488.0 | 893.0 | 492.5 | 689.8 |

Source: NE Hospital Discharge Data 1999-2003

Rates are per 100,000 per year

* Fewer than five discharges