

## Results

### Injury Deaths

#### **Overall**

Injuries overall, including unintentional, intentional, and undetermined intent injuries, were the fourth leading cause of death for all ages combined in Nebraska from 1999-2003. The age-adjusted all injury death rate in Nebraska was 48.9 per 100,000 population (n=4,336). However, the rate for the local health department coverage areas showed great variation, ranging from 32.4 per 100,000 population in Dakota County to 71.1 per 100,000 population in the Southwest Public Health Department coverage area. The Southwest Nebraska Public Health Department coverage area had the highest rate (71.1 per 100,000, n=137), followed by the Public Health Solutions coverage area (68.9 per 100,000, n=231), the West Central District Health Department coverage area (64.7 per 100,000, n=159), the Panhandle Public Health Department coverage area (63.9 per 100,000, n=180), the Southeast District Health Department coverage area (60.4 per 100,000, n=145), and the Loup Basin Public Health Department coverage area (60.1 per 100,000, n=119). Dakota County had the lowest injury death rate (32.4 per 100,000, n=29) (*Table D1, and Figure D1*).

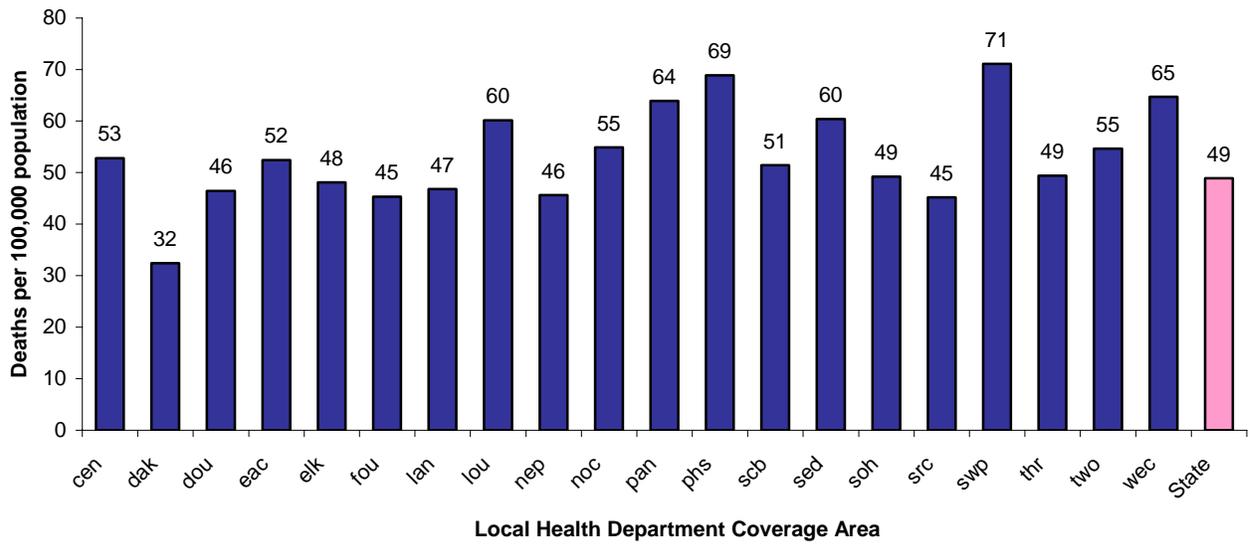
**Table D1: Age-adjusted injury death rates by local health department coverage area, Nebraska, 1999-2003**

<b>Rank</b>	<b>Local Health Department Coverage Area</b>	<b>Abbreviation</b>	<b>Number of Deaths</b>	<b>Age-adjusted Rate</b>
1	Southwest Nebraska Public HD	Swp	137	71.1
2	Public Health Solutions	Phs	231	68.9
3	West Central District HD	Wec	159	64.7
4	Panhandle Public HD	Pan	180	63.9
5	Southeast District HD	Sed	145	60.4
6	Loup Basin Public HD	Lou	119	60.1
7	North Central District HD	Noc	158	54.9
8	Two Rivers Public HD	Two	272	54.6
9	Central District HD	Cen	195	52.8
10	East Central District HD	Eac	139	52.4
11	Scottsbluff County HD	Scb	101	51.4
12	Three Rivers Public HD	Thr	199	49.4
13	South Heartland District HD	Soh	131	49.2
14	Elkhorn Logan Valley Public HD	Elk	158	48.1
15	Lincoln/Lancaster HD	Lan	568	46.8
16	Douglas County HD	Dou	1041	46.4
17	Northeast Nebraska Public HD	Nep	76	45.6
18	Four Corners HD	Fou	122	45.3
19	Sarpy/Cass DHW	Src	269	45.2
20	Dakota County HD	Dak	29	32.4
	<b>State</b>	<b>State</b>	<b>4,336</b>	<b>48.9</b>

Source: DHHS Death Certificate Data 1999-2003

Age-adjusted rate per 100,000 population based on the 2000 U.S. standard population

**Figure D1: Age-adjusted injury death rates by local health department coverage area, Nebraska, 1999-2003**



Source: DHHS Death Certificate Data

### Unintentional Injury

Unintentional injury was the fifth leading cause of death for all ages combined in both the U.S. (1999-2002) and Nebraska (1999-2003). The age-adjusted unintentional injury death rate for Nebraska was 33.3 per 100,000 (n=3,020) from 1999-2003. The age-adjusted death rate for unintentional injury varied by local health department coverage area, and ranged from 10.6 to 52.3 per 100,000 population. Among all of the health department coverage areas, Public Health Solutions had the highest rate (52.3 per 100,000, n=130), followed by the Loup Basin Public Health Department (48.5 per 100,000, n=98), the Southwest Nebraska Public Health Department (48.1 per 100,000 n=101), the Southeast District Health Department (45.4 per 100,000, n=115) and Panhandle Public Health Department (44.8 per 100,000, n=130). Dakota County had the lowest unintentional injury death rate (10.6 per 100,000, n=10) (Table D2 & Figure D2).

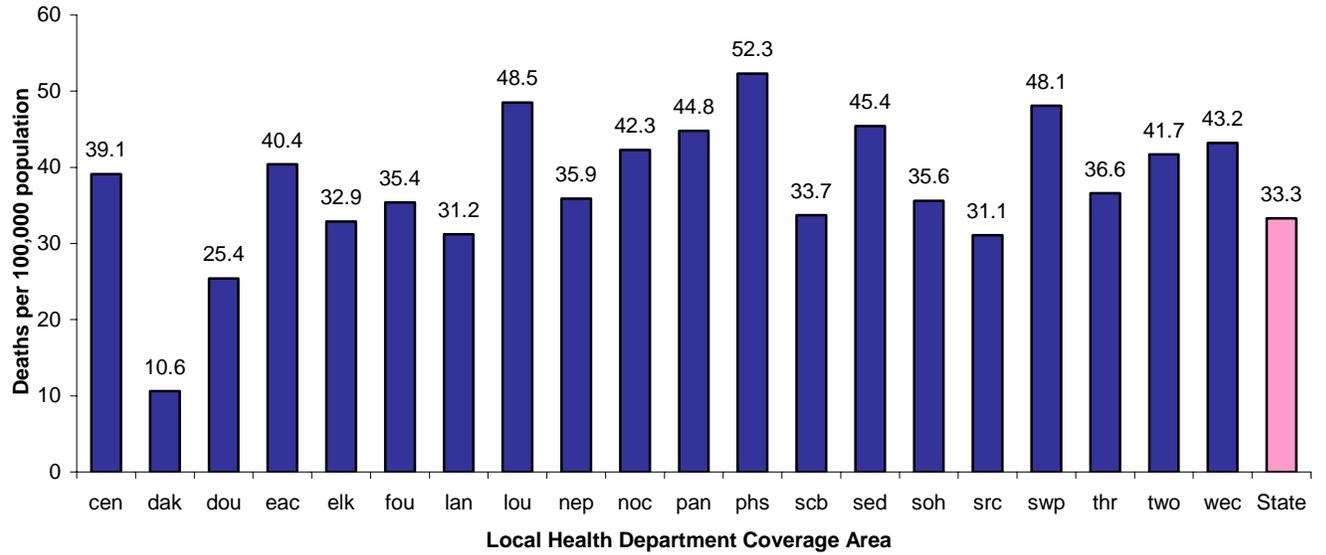
**Table D2: Age-adjusted unintentional injury death rates by local health department coverage area, Nebraska, 1999-2003**

Rank	Local Health Department Coverage Area	Abbreviation	Number of Deaths	Age-adjusted Rate
1	Public Health Solutions	phs	181	52.3
2	Loup Basin Public HD	lou	98	48.5
3	Southwest Nebraska Public HD	swp	101	48.1
4	Southeast District HD	sed	115	45.4
5	Panhandle Public HD	pan	130	44.8
6	West Central District HD	wec	107	43.2
7	North Central District HD	noc	125	42.3
8	Two Rivers Public HD	two	211	41.7
9	East Central District HD	eac	108	40.4
10	Central District HD	cen	146	39.1
11	Three Rivers Public HD	thr	149	36.6
12	Northeast Nebraska Public HD	nep	61	35.9
13	South Heartland District HD	soh	97	35.6
14	Four Corners HD	fou	97	35.4
15	Scottsbluff County HD	scb	69	33.7
16	Elkhorn Logan Valley Public HD	elk	113	32.9
17	Lincoln/Lancaster HD	lan	374	31.2
18	Sarpy/Cass DHW	src	177	31.1
19	Douglas County HD	dou	551	25.4
20	Dakota County HD	dak	10	10.6
	State	State	3,020	33.3

Source: DHHS Death Certificate Data 1999-2003

Age-adjusted rate per 100,000 population based on the 2000 U.S. standard population

**Figure D2: Age-adjusted unintentional injury death rates by local health department coverage area, Nebraska, 1999-2003**



Source: DHHS Death Certificate Data

### Motor Vehicle Crashes

Motor vehicle crashes were the leading cause of unintentional injury death in Nebraska from 1999-2003, with an age-adjusted death rate of 13.6 per 100,000 (n=1,191). The age-adjusted death rate varied by health department coverage area, ranging from 4.8 to 25.3 per 100,000 population. Among all health department coverage areas, the Southwest Nebraska Public Health Department had the highest death rate (25.2 per 100,000 n=44), which was nearly twice as high as the state rate. Public Health Solutions ranked second with a death rate of 24.5 per 100,000 population (n=39), followed by the Panhandle Public Health Department (24.3 per 100,000, n=64), the Loup Basin Public Health Department (24.3 per 100,000, n=41), the North Central District Health Department (22.8 per 100,000, n=59), the Southeast District Health Department (20.9 per 100,000, n=41), and the East Central District Health Department (20.5 per 100,000, n=51). Dakota County had the lowest death rate (4.8 per 100,000, n=5) (Table D3 & Figure D3).

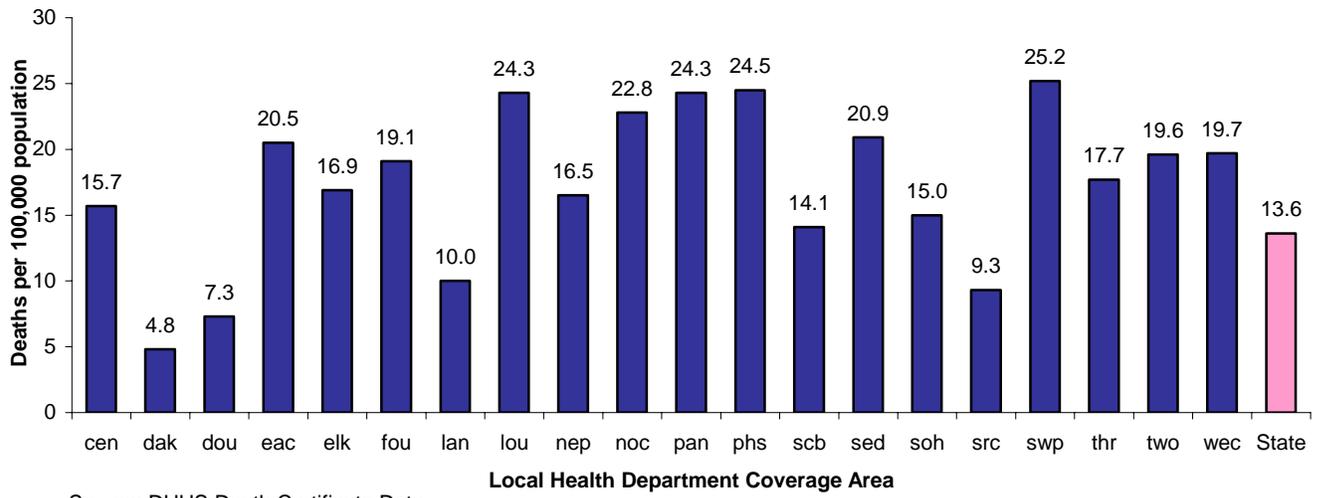
**Table D3: Age-adjusted death rates due to motor vehicle crash by local health department coverage area, Nebraska, 1999-2003**

Rank	Local Health Department Coverage area	Abbreviation	Number of Deaths	Age-adjusted Rate
1	Southwest Nebraska Public HD	swp	44	25.2
2	Public Health Solutions	phs	74	24.5
3	Loup Basin Public HD	lou	41	24.3
4	Panhandle Public HD	pan	64	24.3
5	North Central District HD	noc	59	22.8
6	Southeast District HD	sed	41	20.9
7	East Central District HD	eac	51	20.5
8	West Central District HD	wec	45	19.7
9	Two Rivers Public HD	two	93	19.6
10	Four Corners HD	fou	43	19.1
11	Three Rivers Public HD	thr	66	17.7
12	Elkhorn Logan Valley Public HD	elk	52	16.9
13	Northeast Nebraska Public HD	nep	28	16.5
14	Central District HD	cen	55	15.7
15	South Heartland District HD	soh	36	15.0
16	Scottsbluff County HD	scb	25	14.1
17	Lincoln/Lancaster HD	lan	133	10.0
18	Sarpy/Cass DHW	src	69	9.3
19	Douglas County HD	dou	167	7.3
20	Dakota County HD	dak	5	4.8
	State	State	1,191	13.6

Source: DHHS Death Certificate Data 1999-2003

Age-adjusted rate per 100,000 population based on the 2000 U.S. standard population

**Figure D3: Age-adjusted death rates due to motor vehicle crashes by local health department coverage area, Nebraska, 1999-2003**



## Falls

Falls were the second leading cause of unintentional injury death in Nebraska from 1999-2003, with an age-adjusted death rate of 7.0 per 100,000 (n=680). The age-adjusted death rate varied by health department coverage area, ranging from 2.0 to 9.6 per 100,000 population. Among all health department coverage areas, the Southeast District Health Department had the highest rate (9.6 per 100,000, n=35), followed by the Lincoln/Lancaster Health Department (8.8 per 100,000, n=93), the Sarpy/Cass Department of Health and Wellness (8.8 per 100,000, n=37), the Southwest Nebraska Public Health Department (8.8 per 100,000, n=28), and Public Health Solutions (8.6 per 100,000, n=38). The Northeast Nebraska Public Health Department had the lowest rate (2.0 per 100,000, n=5) (Table D4 & Figure D4).

**Table D4: Age-adjusted death rates due to falls by local health department coverage area, Nebraska, 1999-2003**

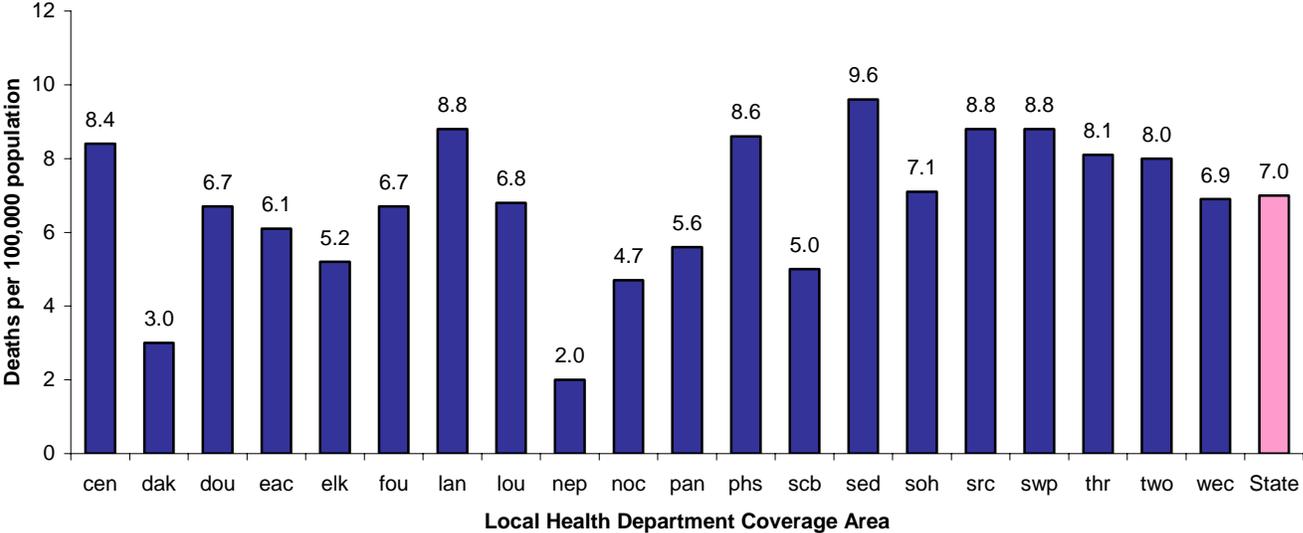
Rank	Local Health Department Coverage Area	Abbreviation	Number of Death	Age-adjusted Rate
1	Southeast District HD	sed	35	9.6
2	Lincoln/Lancaster HD	lan	93	8.8
3	Sarpy/Cass DHW	src	37	8.8
4	Southwest Nebraska Public HD	swp	28	8.8
5	Public Health Solutions	phs	38	8.6
6	Central District HD	cen	32	8.4
7	Three Rivers Public HD	thr	40	8.1
8	Two Rivers Public HD	two	49	8.0
9	South Heartland District HD	soh	24	7.1
10	West Central District HD	wec	19	6.9
11	Loup Basin Public HD	lou	18	6.8
12	Douglas County HD	dou	135	6.7
13	Four Corners HD	fou	27	6.7
14	East Central District HD	eac	18	6.1
15	Panhandle Public HD	pan	23	5.6
16	Elkhorn Logan Valley Public HD	elk	24	5.2
17	Scottsbluff County HD	scb	12	5.0
18	North Central District HD	noc	21	4.7
19	Dakota County HD	dak	2	*
20	Northeast Nebraska Public HD	nep	5	2.0
	State	State	680	7.0

Source: DHHS Death Certificate Data 1999-2003

Age-adjusted rate per 100,000 population based on the 2000 U.S. standard population

\*number of death is fewer than five

**Figure D4: Age-adjusted death rates due to falls  
by local health department coverage area, Nebraska, 1999-2003**



Source: DHHS Death Certificate Data

## Intentional Injury

### Suicide

Suicide was the second leading cause of injury death in Nebraska from 1999-2003, with an age-adjusted death rate of 10.6 per 100,000 (n=894). The age-adjusted suicide rate varied by health department coverage areas, ranging from 6.4 to 17.3 per 100,000 population. Among all health department coverage areas, the Southwest Nebraska Public Health Department had the highest rate (17.3 per 100,000 n=27), followed by Dakota County (16.4 per 100,000, n=13), the Panhandle Public Health Department (15.3 per 100,000, n=39), the West Central District Health Department (15.1 per 100,000, n=36), and the Scottsbluff County Health Department (14.0 per 100,000, n=24). The Northeast Nebraska Public Health Department had the lowest suicide rate (6.4 per 100,000, n=10) (Table D5 & Figure D5).

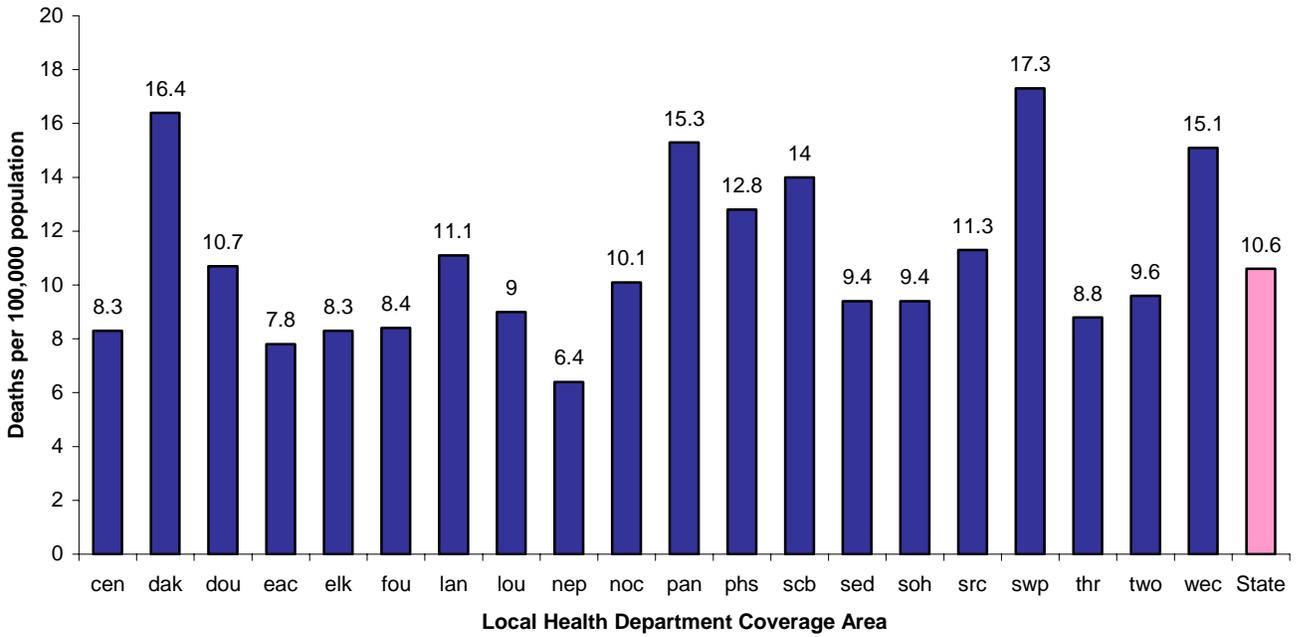
**Table D5: Age-adjusted death rates due to suicide by local health department coverage area, Nebraska, 1999-2003**

Rank	Local Health Department Coverage Area	Abbreviation	Number of Deaths	Age-adjusted Rate
1	Southwest Nebraska Public HD	swp	27	17.3
2	Dakota County HD	dak	13	16.4
3	Panhandle Public HD	pan	39	15.3
4	West Central District HD	wec	36	15.1
5	Scottsbluff County HD	scb	24	14
6	Public Health Solutions	phs	37	12.8
7	Sarpy/Cass DHW	src	74	11.3
8	Lincoln/Lancaster HD	lan	137	11.1
9	Douglas County HD	dou	245	10.7
10	North Central District HD	noc	25	10.1
11	Two Rivers Public HD	two	44	9.6
12	Southeast District HD	sed	18	9.4
13	South Heartland District HD	soh	23	9.4
14	Loup Basin Public HD	lou	15	9
15	Three Rivers Public HD	thr	34	8.8
16	Four Corners HD	fou	20	8.4
17	Central District HD	cen	29	8.3
18	Elkhorn Logan Valley Public HD	elk	24	8.3
19	East Central District HD	eac	20	7.8
20	Northeast Nebraska Public HD	nep	10	6.4
	State	State	894	10.6

Source: DHHS Death Certificate Data 1999-2003

Age-adjusted rate per 100,000 population based on the 2000 U.S. standard population

**Figure D5: Age-adjusted death rates due to suicide  
by local health department coverage area, Nebraska, 1999-2003**



Source: DHHS Death Certificate Data

## Homicide

From 1999-2003, homicide was the fourth leading cause of injury death in Nebraska, with an age-adjusted death rate of 3.2 per 100,000 population (n=273). The rates showed great variation across local health department coverage areas, ranging from 0.4 to 6.5 per 100,000. Douglas County had the highest homicide rate (6.5 per 100,000, n=157), which was twice as high as the state rate. The Elkhorn Logan Valley Public Health Department ranked second with an age-adjusted rate of 4.4 per 100,000 (n=12), followed by the West Central District Health Department (3.9 per 100,000, n=9). The Four Corners Health Department had the lowest homicide rate (n=1) (Table D6 & Figure D6).

**Table D6: Age-adjusted death rates due to homicide by local health department coverage area, Nebraska, 1999-2003**

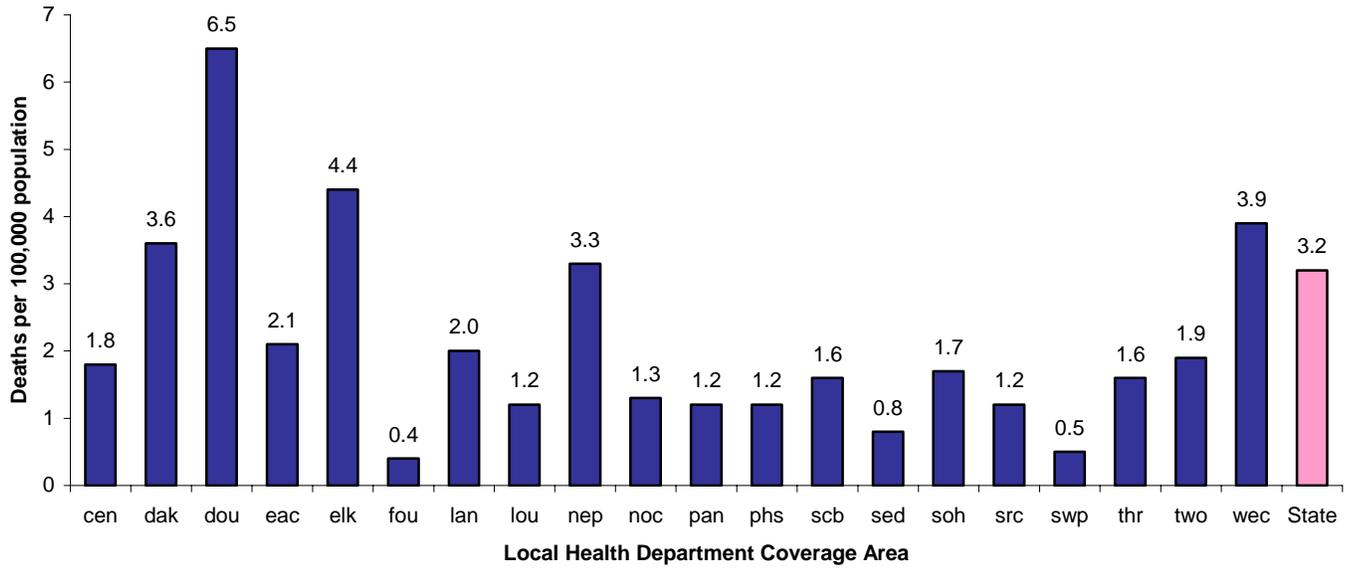
Rank	Local Health Department Coverage Area	abbreviation	Number of Deaths	Age-adjusted Rate
1	Douglas County HD	dou	157	6.5
2	Elkhorn Logan Valley Public HD	elk	12	4.4
3	West Central District HD	wec	9	3.9
4	Dakota County HD	dak	4	*
5	Northeast Nebraska Public HD	nep	5	3.3
6	East Central District HD	eac	5	2.1
7	Lincoln/Lancaster HD	lan	27	2
8	Two Rivers Public HD	two	9	1.9
9	Central District HD	cen	6	1.8
10	South Heartland District HD	soh	4	*
11	Scottsbluff County HD	scb	3	*
12	Three Rivers Public HD	thr	6	1.6
13	North Central District HD	noc	3	*
14	Loup Basin Public HD	lou	2	*
15	Panhandle Public HD	pan	3	*
16	Public Health Solutions	phs	4	*
17	Sarpy/Cass DHW	src	10	1.2
18	Southeast District HD	sed	2	*
19	Southwest Nebraska Public HD	swp	1	*
20	Four Corners HD	fou	1	*
	State	State	273	3.2

Source: DHHS Death Certificate Data 1999-2003

Age-adjusted rate per 100,000 population based on the 2000 U.S. standard population

\* the number of death is fewer than five

**Figure D6: Age-adjusted death rates due to homicide  
by local health department coverage area, Nebraska, 1999-2003**



Source: DHHS Death Certificate Data

## Hospital Discharges Due to Injury

### Overall

From 1999-2003, the age-adjusted hospital discharge rates for all injury (including unintentional, intentional, and undetermined intent injuries) showed significant variation across the twenty health department coverage areas in Nebraska, ranging from 712 to 7,942 per 100,000 population. The age-adjusted all injury hospital discharge rate in Nebraska was 7,942 per 100,000 (n=658,754). Among health department coverage areas, the Three Rivers Public Health Department had the highest injury hospital discharge rate (10,461 per 100,000, n=39,448), followed by the West Central District Health Department (10,376 per 100,000, n=24,205), the Southeast District Health Department (9,901 per 100,000, n=20,032), Public Health Solutions (9,841 per 100,000, n=29,223), and the Southwest Nebraska Public Health Department district (9,211 per 100,000, n=15,797). Dakota County had the lowest all injury hospital discharge rate (712 per 100,000, n=721) (Table H1 & Figure H1).

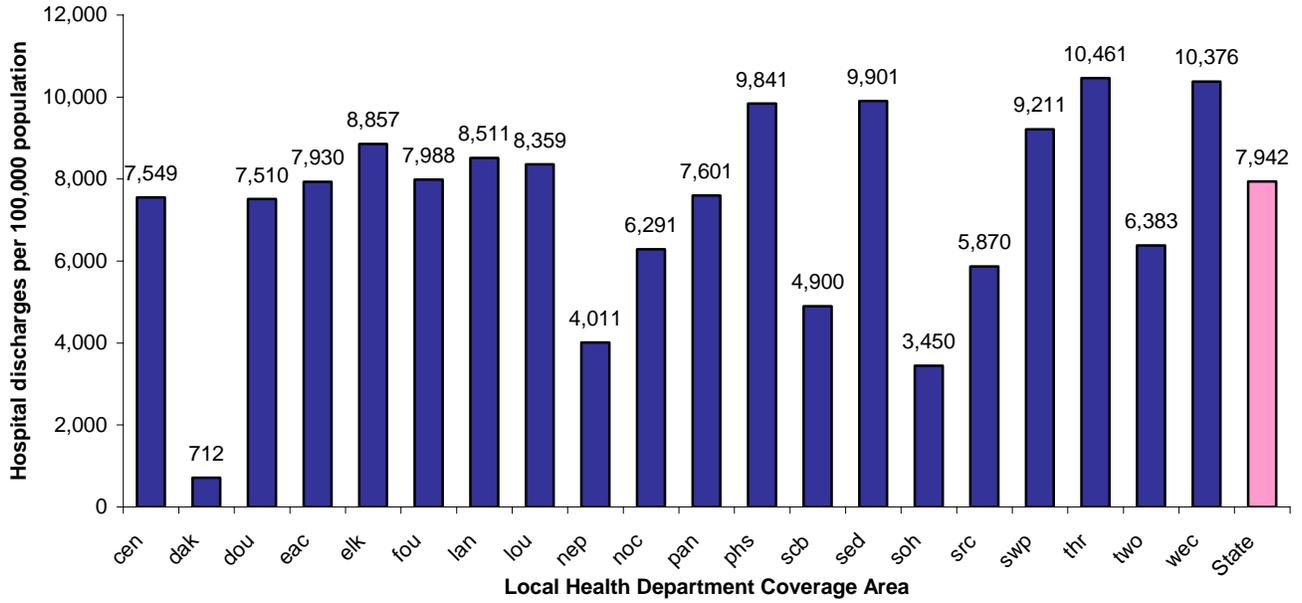
**Table H1: Age-adjusted hospital discharge rates due to all injury by local health department coverage area, NE, 1999-2003**

Rank	Local Health Department Coverage Area	Abbreviation	Number of Discharges	Age-adjusted Rate
1	Three Rivers Public HD	thr	39,448	10,461.0
2	West Central District HD	wec	24,205	10,376.0
3	Southeast District HD	sed	20,032	9,901.3
4	Public Health Solutions	phs	29,223	9,841.2
5	Southwest Nebraska Public HD	swp	15,797	9,210.5
6	Elkhorn Logan Valley Public HD	elk	26,949	8,856.8
7	Lincoln/Lancaster HD	lan	108,566	8,511.0
8	Loup Basin Public HD	lou	13,840	8,358.7
9	Four Corners HD	fou	18,930	7,988.4
10	East Central District HD	eac	20,880	7,929.9
11	Panhandle Public HD	pan	20,447	7,600.8
12	Central District HD	cen	27,080	7,549.1
13	Douglas County HD	dou	176,844	7,510.4
14	Two Rivers Public HD	two	30,873	6,382.5
15	North Central District HD	noc	15,988	6,290.8
16	Sarpy/Cass DHW	src	44,481	5,869.6
17	Scottsbluff County HD	scb	9,250	4,900.0
18	Northeast Nebraska Public HD	nep	6,844	4,011.3
19	South Heartland District HD	soh	8,356	3,449.7
20	Dakota County HD	dak	721	712.3
	State	State	694,091	7,941.5

Source: Nebraska Hospital Discharge Data 1999-2003

Age-adjusted rate per 100,000 population based on the 2000 U.S. standard population

**Figure H1: Age-adjusted hospital discharge rates due to all injuries by local health department coverage area, Nebraska, 1999-2003**



Source: Nebraska Hospital Discharge Data

### **Unintentional Injury**

From 1999-2003, the age-adjusted hospital discharge rate due to unintentional injury was 7,610 per 100,000 (n= 665,407) in Nebraska. However, the rates of each of the 20 local health departments showed significant variation, ranging from 696 to 10,110 per 100,000 population. Three Rivers Public Health Department had the highest hospital discharge rate due to unintentional injuries (10,110 per 100,000, n=38,204). West Central District Health Department ranked second with an age-adjusted rate 9,954 per 100,000 (n=23,286), followed by Public Health Solutions (9,590 per 100,000, n=28,579), and the Southeast District Health Department (9,524 per 100,000, n=19,375). Dakota County had the lowest unintentional injury hospital discharge rate (696 per 100,000, n=704) (Table H2 & Figure H2).

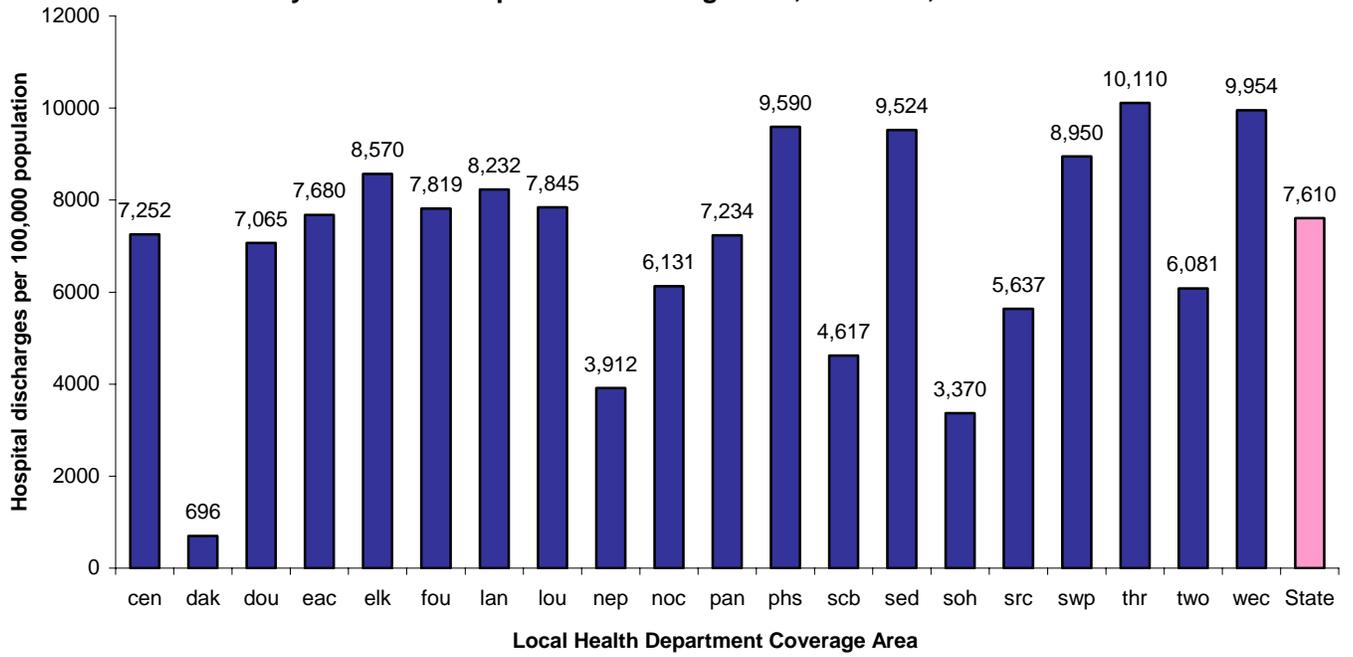
**Table H2: Age-adjusted hospital discharge rates due to unintentional injuries by local health department coverage area, NE, 1999-2003**

<b>Rank</b>	<b>Local Health Department Coverage Area</b>	<b>Abbreviation</b>	<b>Number of Discharges</b>	<b>Age-adjusted Rate</b>
1	Three Rivers Public HD	thr	38,204	10,110.0
2	West Central District HD	wec	23,286	9,954.2
3	Public Health Solutions	phs	28,579	9,589.7
4	Southeast District HD	sed	19,375	9,523.8
5	Southwest Nebraska Public HD	swp	15,413	8,949.7
6	Elkhorn Logan Valley Public HD	elk	26,119	8,569.7
7	Lincoln/Lancaster HD	lan	104,647	8,232.4
8	Loup Basin Public HD	lou	13,025	7,844.9
9	Four Corners HD	fou	18,561	7,818.9
10	East Central District HD	eac	20,273	7,680.1
11	Central District HD	cen	26,081	7,252.2
12	Panhandle Public HD	pan	19,548	7,233.9
13	Douglas County HD	dou	166,121	7,065.3
14	North Central District HD	noc	15,649	6,130.8
15	Two Rivers Public HD	two	29,463	6,081.4
16	Sarpy/Cass DHW	src	42,633	5,637.1
17	Scottsbluff County HD	scb	8,762	4,616.8
18	Northeast Nebraska Public HD	nep	6,684	3,912.0
19	South Heartland District HD	soh	8,179	3,369.7
20	Dakota County HD	dak	704	696.4
	<b>State</b>	<b>State</b>	<b>665,407</b>	<b>7,609.6</b>

Source: Nebraska Hospital Discharge Data 1999-2003

Age-adjusted rate per 100,000 population based on the 2000 U.S. standard population

**Figure H2: Age-adjusted hospital discharge rates due to unintentional injuries by local health department coverage area, Nebraska, 1999-2003**



Source: Nebraska Hospital Discharge Data

## Falls

Falls were the leading cause of hospital discharges related to unintentional injury in Nebraska from 1999-2003, with an age-adjusted rate of 2,186 per 100,000 (n=196,432). The age-adjusted hospital discharge rates for falls varied by local health departments, ranging from 185 to 3,093 per 100,000 population. Among all health department coverage areas, the Three Rivers Public Health Department had the highest hospital discharge rate due to unintentional injuries (3,093 per 100,000, n=12,358). The Southeast District Health Department ranked second with an age-adjusted rate of 2,904 per 100,000 (n=6,825), followed by Public Health Solutions (2,726 per 100,000, n=9,207), the Southwest Nebraska Public Health Department (2,532 per 100,000, n=5,055), and the Elkhorn Logan Valley Public Health Department (2,423 per 100,000, n=7,906). Dakota County had the lowest fall injury hospital discharge rate (185 per 100,000, n=183) (Table H3 & Figure H3).

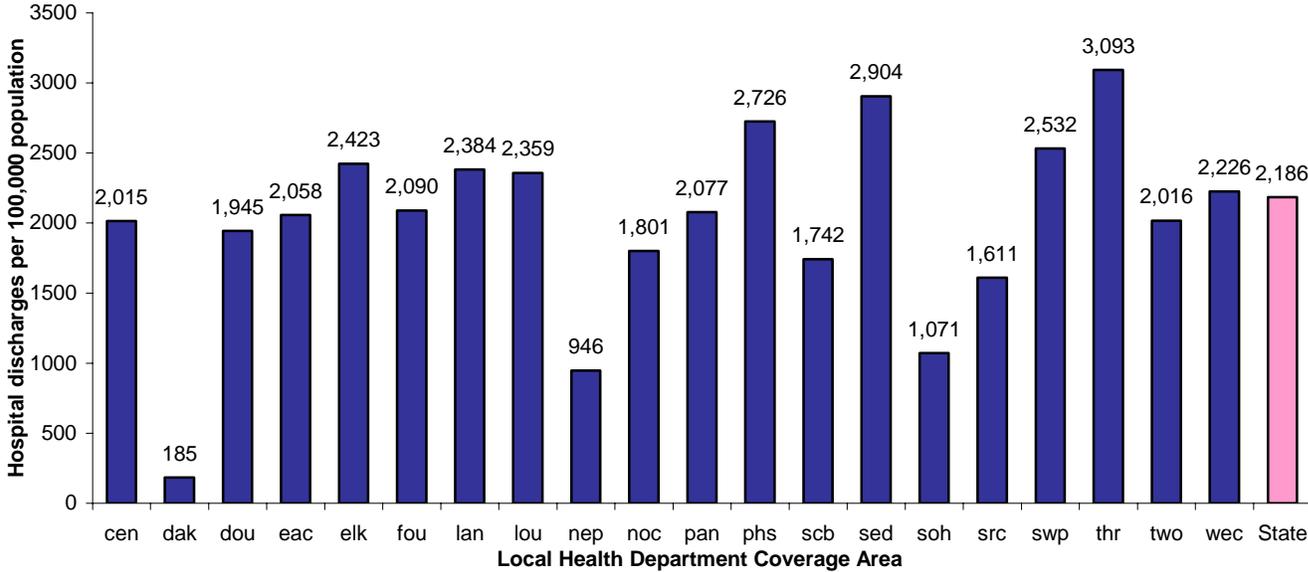
**Table H3: Age-adjusted hospital discharge rates due to falls by local health department coverage area, NE, 1999-2003**

Rank	Local Health Department Coverage Area	Abbreviation	Number of Discharges	Age-adjusted Rate
1	Three Rivers Public HD	thr	12,358	3,093.1
2	Southeast District HD	sed	6,825	2,903.9
3	Public Health Solutions	phs	9,207	2,725.5
4	Southwest Nebraska Public HD	swp	5,055	2,532.1
5	Elkhorn Logan Valley Public HD	elk	7,906	2,422.5
6	Lincoln/Lancaster HD	lan	28,923	2,383.5
7	Loup Basin Public HD	lou	4,625	2,358.6
8	West Central District HD	wec	5,618	2,225.8
9	Four Corners HD	fou	5,401	2,090.0
10	Panhandle Public HD	pan	6,101	2,077.1
11	East Central District HD	eac	5,785	2,058.0
12	Two Rivers Public HD	two	10,335	2,016.0
13	Central District HD	cen	7,653	2,015.1
14	Douglas County HD	dou	44,947	1,944.6
15	North Central District HD	noc	5,315	1,801.0
16	Scottsbluff County HD	scb	3,546	1,741.6
17	Sarpy/Cass DHW	src	11,174	1,611.4
18	South Heartland District HD	soh	2,878	1,071.1
19	Northeast Nebraska Public HD	nep	1,732	946.1
20	Dakota County HD	dak	183	185.0
	State	State	196,432	2,185.5

Source: Nebraska Hospital Discharge Data 1999-2003

Age-adjusted rate per 100,000 population based on the 2000 U.S. standard population

**Figure H3: Age-adjusted hospital discharge rates due to falls by local health department coverage area, Nebraska, 1999-2003**



Source: Nebraska Hospital Discharge Data

**Struck by/against**

Struck by/against was the second leading cause of hospital discharges related to unintentional injury, with an age-adjusted rate of 1,257 per 100,000 Nebraskans from 1999-2003. The age-adjusted hospital discharge rates of struck by/against varied by local health department coverage areas, ranging from 89 to 1,842 per 100,000 population. Among all health department coverage areas, the West Central District Health Department had the highest hospital discharge rate due to struck by/against (1,842 per 100,000, n=4,183), followed by the Three Rivers Public Health Department (1,585 per 100,000, n=8,510), the East Central District Health Department (1,456 per 100,000, n=3,807), Public Health Solutions (1,453 per 100,000, n=4,036), and the Southwest Nebraska Public Health Department (1,446 per 100,000, n=2,325). Dakota County had the lowest struck by/against injury hospital discharge rate (89 per 100,000, n=98) (Table H4, & Figure H4).

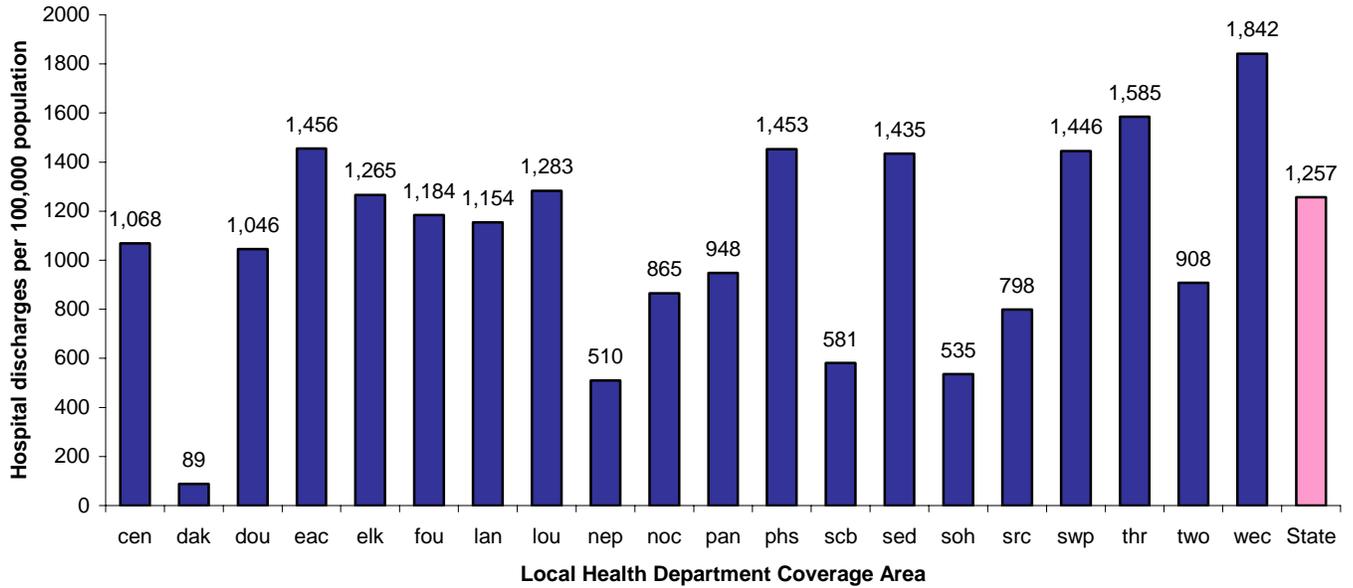
**Table H4: Age-adjusted hospital discharge rates due to struck by/against by local health department coverage area, NE, 1999-2003**

Rank	Local Health Department Coverage Area	Abbreviation	Number of Discharges	Age-adjusted Rate
1	West Central District HD	wec	4,183	1,842.0
2	Three Rivers Public HD	thr	5,810	1,584.9
3	East Central District HD	eac	3,807	1,455.6
4	Public Health Solutions	phs	4,036	1,452.9
5	Southwest Nebraska Public HD	swp	2,325	1,445.5
6	Southeast District HD	sed	2,686	1,434.9
7	Loup Basin Public HD	lou	1,933	1,283.1
8	Elkhorn Logan Valley Public HD	elk	3,808	1,265.3
9	Four Corners HD	fou	2,723	1,183.6
10	Lincoln/Lancaster HD	lan	14,963	1,153.8
11	Central District HD	cen	3,790	1,068.4
12	Douglas County HD	dou	25,165	1,045.6
13	Panhandle Public HD	pan	2,484	947.5
14	Two Rivers Public HD	two	4,341	907.7
15	North Central District HD	noc	2,075	865.0
16	Sarpy/Cass DHW	src	6,522	798.4
17	Scottsbluff County HD	scb	1,050	581.0
18	South Heartland District HD	soh	1,223	535.2
19	Northeast Nebraska Public HD	nep	887	509.9
20	Dakota County HD	dak	98	88.8
	State	State	109,818	1,257.3

Source: Nebraska Hospital Discharge Data 1999-2003

Age-adjusted rate per 100,000 population based on the 2000 U.S. standard population

**Figure H4: Age-adjusted hospital discharge rates due to struck by/against by local health department coverage area, Nebraska, 1999-2003**



Source: Nebraska Hospital Discharge Data

### **Cutting/piercing**

From 1999-2003, cutting/piercing was the third leading cause of unintentional injury hospital discharges in Nebraska, with an age-adjusted rate of 712 per 100,000 population (n=61,171). The rates differed across the 20 local health departments, ranging from 70 to 990 per 100,000 population. Among all health department coverage areas, the West Central District Health Department had the highest rate at 990 per 100,000 (n=2,231), followed by the Three Rivers Public Health Department (989 per 100,000, n=3,594), the Southwest Nebraska Public Health Department (906 per 100,000, n=1,440), the Southeast District Health Department (883 per 100,000, n=1,644), and the Elkhorn Logan Valley Public Health Department (861 per 100,000, n=2,506). Dakota County had the lowest rate (70 per 100,000, n= 73) (Table H5 & Figure H5).

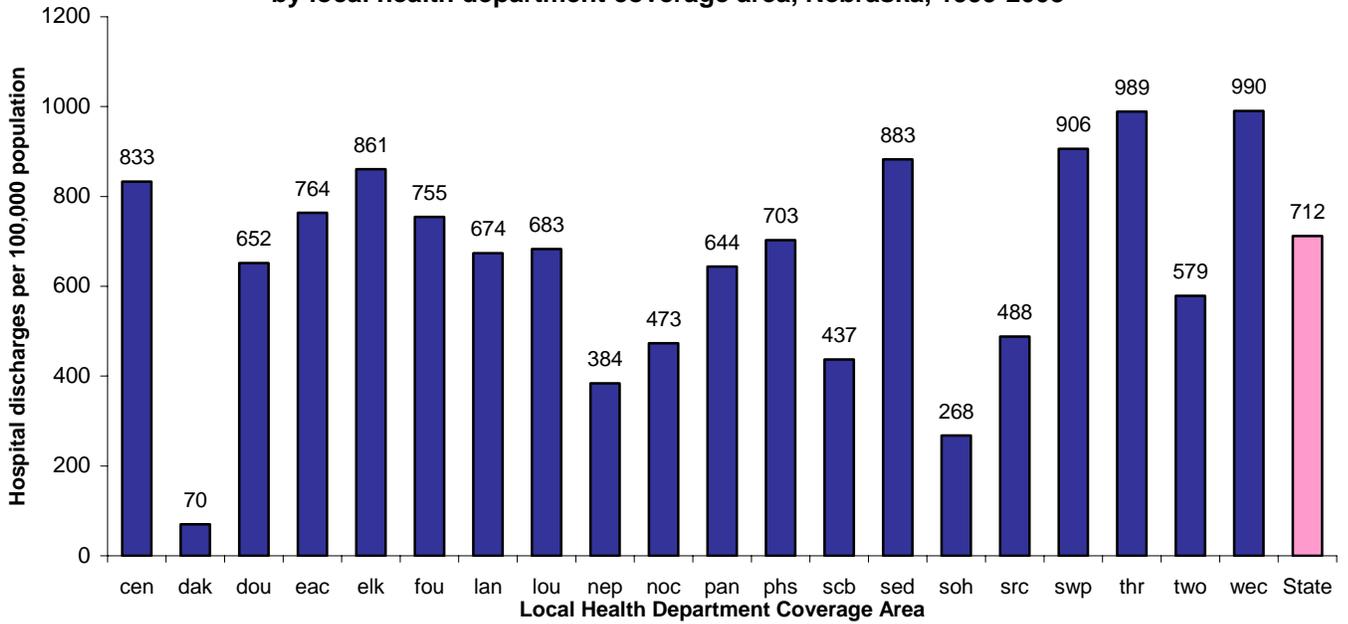
**Table H5: Age-adjusted hospital discharge rates due to cutting/piercing by local health department coverage area, NE, 1999-2003**

Local Health Department Coverage			Number of Discharges	Age-adjusted Rate
Rank	Area	Abbreviation		
1	West Central District HD	wec	2,231	990.4
2	Three Rivers Public HD	thr	3,594	988.6
3	Southwest Nebraska Public HD	swp	1,440	906.1
4	Southeast District HD	sed	1,644	882.8
5	Elkhorn Logan Valley Public HD	elk	2,506	860.9
6	Central District HD	cen	2,914	833.4
7	East Central District HD	eac	1,920	763.7
8	Four Corners HD	fou	1,663	754.7
9	Public Health Solutions	phs	1,941	703.0
10	Loup Basin Public HD	lou	1,020	683.1
11	Lincoln/Lancaster HD	lan	8,811	673.7
12	Douglas County HD	dou	15,462	652.0
13	Panhandle Public HD	pan	1,644	643.6
14	Two Rivers Public HD	two	2,684	579.1
15	Sarpy/Cass DHW	src	3,795	488.0
16	North Central District HD	noc	1,100	473.3
17	Scottsbluff County HD	scb	783	437.4
18	Northeast Nebraska Public HD	nep	617	384.1
19	South Heartland District HD	soh	606	268.0
20	Dakota County HD	dak	73	70.1
State			61,171	711.8

Source: Nebraska Hospital Discharge Data 1999-2003

Age-adjusted rate per 100,000 population based on the 2000 U.S. standard population

**Figure H5: Age-adjusted hospital discharge rates due to cutting/piercing by local health department coverage area, Nebraska, 1999-2003**



Source: Nebraska Hospital Discharge Data

### Motor vehicle crashes

Motor vehicle crashes were the fourth leading cause of hospital discharges related to unintentional injury in Nebraska from 1999-2003, with an age-adjusted rate of 685 per 100,000 (n=59,221). The age-adjusted unintentional injury rate of motor vehicle crashes varied by health department coverage area, ranging from 61 to 923 per 100,000 population. Among all health department coverage areas, the Elkhorn Logan Valley Public Health Department had the highest rate at 923 per 100,000 population (n=2,719), followed by the Three River Public Health Department (918 per 100,000, n=3,361), the Lincoln/Lancaster Health Department (869 per 100,000, n=11,795), and the West Central District Health Department (799 per 100,000, n=1,789). Dakota County had the lowest rate (61 per 100,000, n=60) (Table H6 & Figure H6).

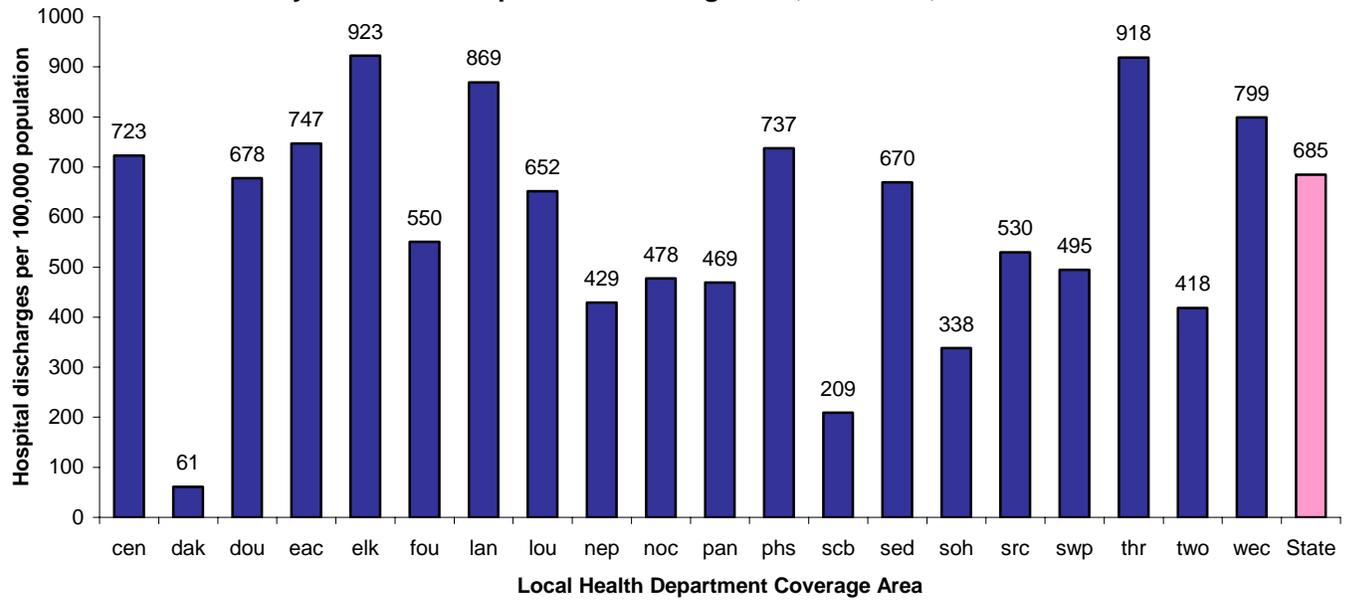
**Table H6: Age-adjusted hospital discharge rates due to motor vehicle crashes by local health department coverage area, NE, 1999-2003**

Rank	Local Health Department Coverage Area	Abbreviation	Number of Discharges	Age-adjusted Rate
1	Elkhorn Logan Valley Public HD	elk	2,719	922.5
2	Three Rivers Public HD	thr	3,361	918.4
3	Lincoln/Lancaster HD	lan	11,795	868.8
4	West Central District HD	wec	1,789	798.8
5	East Central District HD	eac	1,887	746.8
6	Public Health Solutions	phs	2,022	737.2
7	Central District HD	cen	2,492	723.0
8	Douglas County HD	dou	16,079	677.8
9	Southeast District HD	sed	1,247	669.7
10	Loup Basin Public HD	lou	975	651.5
11	Four Corners HD	fou	1,249	550.4
12	Sarpy/Cass DHW	src	4,121	529.8
13	Southwest Nebraska Public HD	swp	778	494.6
14	North Central District HD	noc	1,112	477.7
15	Panhandle Public HD	pan	1,228	469.1
16	Northeast Nebraska Public HD	nep	720	429.3
17	Two Rivers Public HD	two	1,987	418.0
18	South Heartland District HD	soh	769	338.1
19	Scottsbluff County HD	scb	372	209.2
20	Dakota County HD	dak	60	61.3
	State	State	59,221	684.8

Source: Nebraska Hospital Discharge Data 1999-2003

Age-adjusted rate per 100,000 population based on the 2000 U.S. standard population

**Figure H6: Age-adjusted hospital discharge rates due to motor vehicle crashes by local health department coverage area, Nebraska, 1999-2003**



Source: Nebraska Hospital Discharge Data

## Intentional Injury

### Suicide attempts

The age-adjusted hospital discharge rate of suicide attempts was 75 per 100,000 population (n=6,379) in Nebraska from 1999-2003. The rate of suicide attempts varied by local health department coverage areas, ranging from 4.8 to 94.7 per 100,000. Among all health department coverage areas, the Southwest Nebraska Public Health Department had the highest rate at 94.7 per 100,000 population (n=135), followed by the Central District Health Department (93 per 100,000, n=310), the Southeast District Health Department (92.4 per 100,000, n=163), the West Central District Health Department (89.8 per 100,000, n=194), and the Three River Public Health Department (86.9 per 100,000, n=305). Dakota County had the lowest rate (4.8 per 100,000, n=5) (Table H7 & Figure H7).

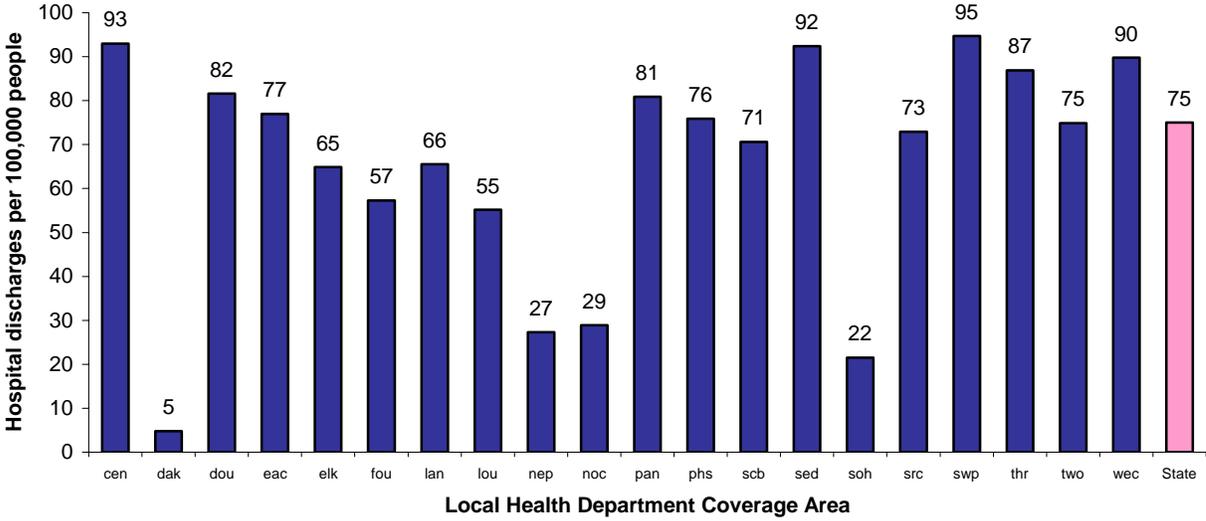
**Table H7: Age-adjusted hospital discharge rates due to suicide attempt by local health department coverage area, NE, 1999-2003**

Rank	Local Health Department Coverage Area	Abbreviation	Number of Discharges	Age-adjusted Rate
1	Southwest Nebraska Public HD	swp	135	94.7
2	Central District HD	cen	310	93.0
3	Southeast District HD	sed	163	92.4
4	West Central District HD	wec	194	89.8
5	Three Rivers Public HD	thr	305	86.9
6	Douglas County HD	dou	1,941	81.6
7	Panhandle Public HD	pan	192	80.9
8	East Central District HD	eac	187	77.0
9	Public Health Solutions	phs	195	75.9
10	Two Rivers Public HD	two	345	74.9
11	Sarpy/Cass DHW	src	575	72.9
12	Scottsbluff County HD	scb	119	70.6
13	Lincoln/Lancaster HD	lan	896	65.5
14	Elkhorn Logan Valley Public HD	elk	188	64.9
15	Four Corners HD	fou	129	57.3
16	Loup Basin Public HD	lou	78	55.2
17	North Central District HD	noc	60	28.9
18	Northeast Nebraska Public HD	nep	44	27.3
19	South Heartland District HD	soh	46	21.5
20	Dakota County HD	dak	5	4.8
	State	State	6,379	75.0

Source: Nebraska Hospital Discharge Data 1999-2003

Age-adjusted rate per 100,000 population based on the 2000 U.S. standard population

**Figure H7: Age-adjusted hospital discharge rates due to suicide attempts by local health department coverage area, Nebraska, 1999-2003**



Source: Nebraska Hospital Discharge Data

### Assault

From 1999-2003, assault was the seventh leading cause of injury-related hospital discharges in Nebraska, with an age-adjusted rate of 203.9 per 100,000 (n=17,720). The rates showed significant variation across local health department coverage areas, ranging from 10.1 to 297.4 per 100,000. The West Central District Health Department had the highest assault rate at 297.4 per 100,000 (n=645), followed by the Douglas County Health Department (288.1 per 100,000, n=6,996), the Southeast District Health Department (250.2 per 100,000, n=429), the Three Rivers Public Health Department (231 per 100,000, n=821), and the Elkhorn Logan Valley Public Health Department (204.4 per 100,000, n=589). Dakota County Health Department had the lowest assault rate (10.1 per 100,000, n=11) (Table H8 & Figure H8).

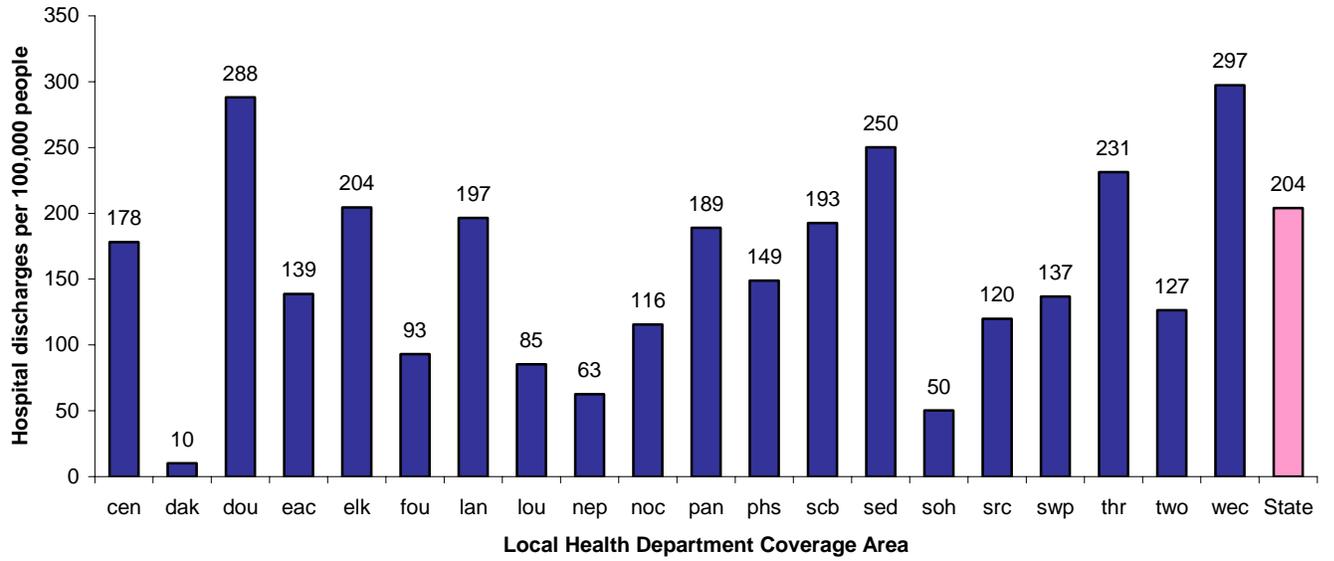
**TableH8: Age-adjusted hospital discharge rates due to assault by local health department coverage area, NE, 1999-2003**

Rank	Local Health Department Coverage Area	Abbreviation	Number of Discharges	Age-adjusted Rate
1	West Central District HD	wec	645	297.4
2	Douglas County HD	dou	6,996	288.1
3	Southeast District HD	sed	429	250.2
4	Three Rivers Public HD	thr	821	231.4
5	Elkhorn Logan Valley Public HD	elk	589	204.4
6	Lincoln/Lancaster HD	lan	2,799	196.5
7	Scottsbluff County HD	scb	335	192.7
8	Panhandle Public HD	pan	459	188.9
9	Central District HD	cen	600	178.2
10	Public Health Solutions	phs	379	149.0
11	East Central District HD	eac	337	138.8
12	Southwest Nebraska Public HD	swp	200	136.8
13	Two Rivers Public HD	two	604	126.5
14	Sarpy/Cass DHW	src	971	119.8
15	North Central District HD	noc	244	115.5
16	Four Corners HD	fou	198	93.0
17	Loup Basin Public HD	lou	119	85.3
18	Northeast Nebraska Public HD	nep	101	62.5
19	South Heartland District HD	soh	114	50.3
20	Dakota County HD	dak	11	10.1
	State	State	17,720	203.9

Source: Nebraska Hospital Discharge Data 1999-2003

Age-adjusted rate per 100,000 population based on the 2000 U.S. standard population

**Figure H8: Age-adjusted hospital discharge rates due to assault by local health department coverage area, Nebraska, 1999-2003**



Source: Nebraska Hospital Discharge Data

Table H9: Injury hospital discharge rates by cause of injury and local health dept coverage area, Nebraska, 1999 - 2003

Rank	All injury	Unintentional Injury	MVC	Fall	Suicide Attempt	Assault
1	THR N=39,448 AAR=10.461	THR N=38,204 AAR=10.110	ELK N=2719 AAR=922.5	THR N=12358 AAR=3093.1	SWP N=135 AAR=94.7	WEC N=645 AAR=297.4
2	WEC N=24,205 AAR=10.376	WEC N=23,286 AAR=9.954	THR N=3361 AAR=918.4	SED N=6825 AAR=2903.9	CEN N=310 AAR=93	DOU N=6996 AAR=288.1
3	SED N=20,032 AAR=9.901	PHS N=28,579 AAR=9.590	LAN N=11795 AAR=868.8	PHS N=9207 AAR=2725.5	SED N=163 AAR=92.4	SED N=429 AAR=250.2
4	PHS N=29,223 AAR=9.841	SED N=19,375 AAR=9.524	WEC N=1789 AAR=798.8	SWP N=5055 AAR=2532.1	WEC N=194 AAR=89.8	THR N=821 AAR=231.4
5	SWP N=15,797 AAR=9.211	SWP N=15,413 AAR=8.950	EAC N=1887 AAR=746.8	ELK N=7906 AAR=2422.5	THR N=305 AAR=86.9	ELK N=589 AAR=204.4
6	ELK N=26,949 AAR=8.857	ELK N=26,119 AAR=8.570	PHS N=2022 AAR=737.2	LAN N=28923 AAR=2383.5	DOU N=1941 AAR=81.6	LAN N=2799 AAR=196.5
7	LAN N=108,566 AAR=8.511	LAN N=104,647 AAR=8.232	CEN N=2492 AAR=723	LOU N=4625 AAR=2358.6	PAN N=192 AAR=80.9	SCB N=335 AAR=192.7
8	LOU N=13,840 AAR=8.359	LOU N=13,025 AAR=7.845	DOU N=16079 AAR=677.8	WEC N=5618 AAR=2225.8	EAC N=187 AAR=77	PAN N=459 AAR=188.9
9	FOU N=18,930 AAR=7.988	FOU N=18,561 AAR=7.819	SED N=1247 AAR=669.7	FOU N=5401 AAR=2090	PHS N=195 AAR=75.9	CEN N=600 AAR=178.2
10	EAC N=20,880 AAR=7.930	EAC N=20,273 AAR=7.680	LOU N=975 AAR=651.5	PAN N=6101 AAR=2077.1	TWO N=345 AAR=74.9	PHS N=379 AAR=149
11	PAN N=20,447 AAR=7.601	CEN N=26,081 AAR=7.252	FOU N=1249 AAR=550.4	EAC N=5785 AAR=2058	SRC N=575 AAR=72.9	EAC N=337 AAR=138.8
12	CEN N=27,080 AAR=7.549	PAN N=19,548 AAR=7.234	SRC N=4121 AAR=529.8	TWO N=10335 AAR=2016	SCB N=119 AAR=70.6	SWP N=200 AAR=136.8
13	DOU N=176,844 AAR=7.510	DOU N=166,121 AAR=7.065	SWP N=778 AAR=494.6	CEN N=7653 AAR=2015.1	LAN N=896 AAR=65.5	TWO N=604 AAR=126.5
14	TWO N=30,873 AAR=6.383	NOC N=15,649 AAR=6.131	NOC N=1112 AAR=477.7	DOU N=44947 AAR=1944.6	ELK N=188 AAR=64.9	SRC N=971 AAR=119.8
15	NOC N=15,988 AAR=6.291	TWO N=29,463 AAR=6.081	PAN N=1228 AAR=469.1	NOC N=5315 AAR=1801	FOU N=129 AAR=57.3	NOC N=244 AAR=115.5
16	SRC N=44,481 AAR=5.870	SRC N=42,633 AAR=5.637	NEP N=720 AAR=429.3	SCB N=3546 AAR=1741.6	LOU N=78 AAR=55.2	FOU N=198 AAR=93
17	SCB N=9,250 AAR=4.900	SCB N=8,762 AAR=4.617	TWO N=1987 AAR=418	SRC N=11174 AAR=1611.4	NOC N=60 AAR=28.9	LOU N=119 AAR=85.3
18	NEP N=6,844 AAR=4.011	NEP N=6,684 AAR=3.912	SOH N=769 AAR=338.1	SOH N=2878 AAR=1071.1	NEP N=44 AAR=27.3	NEP N=101 AAR=62.5
19	SOH N=8,356 AAR=3.450	SOH N=8,179 AAR=3.370	SCB N=372 AAR=209.2	NEP N=1732 AAR=946.1	SOH N=46 AAR=21.5	SOH N=114 AAR=50.3
20	DAK N=721 AAR=712	DAK N=704 AAR=696	DAK N=60 AAR=61.3	DAK N=183 AAR=185	DAK N=5 AAR=4.8	DAK N=11 AAR=10.1

N: number; AAR: age-adjusted rate

**Table H10: Rank of age-adjusted injury hospital discharge rates by cause and local health department, NE, 1999-2003**

Health Department Coverage Area	All Injury		Unintentional Injury		Motor Vehicle Crashes		Falls		Suicide Attempt		Assault	
	AAR	Rank	AAR	Rank	AAR	Rank	AAR	Rank	AAR	Rank	AAR	Rank
Central District HD	7,549.1	12	7252.2	11	723	7	2015.1	13	93	20	178.2	9
Dakota County HD	712.3	20	696.4	20	61.3	20	185	20	4.8	19	10.1	20
Douglas County HD	7,510.4	13	7065.3	13	677.8	8	1944.6	14	81.6	18	288.1	2
East Central District HD	7,929.9	10	7680.1	10	746.8	5	2058	11	77	17	138.8	11
Elkhorn Logan Valley Public HD	8,856.8	6	8569.7	6	922.5	1	2422.5	5	64.9	16	204.4	5
Four Corners HD	7,988.4	9	7818.9	9	550.4	11	2090	9	57.3	15	93	16
Lincoln/Lancaster HD	8,511.0	7	8232.4	7	868.8	3	2383.5	6	65.5	14	196.5	6
Loup Basin Public HD	8,358.7	8	7844.9	8	651.5	10	2358.6	7	55.2	13	85.3	17
Northeast Nebraska Public HD	4,011.3	18	3912	18	429.3	16	946.1	19	27.3	12	62.5	18
North Central District HD	6,290.8	15	6130.8	14	477.7	14	1801	15	28.9	11	115.5	15
Panhandle Public HD	7,600.8	11	7233.9	12	469.1	15	2077.1	10	80.9	10	188.9	8
Public Health Solutions	9,841.2	4	9589.7	3	737.2	6	2725.5	3	75.9	9	149	10
Scottsbluff County HD	4,900.0	17	4616.8	17	209.2	19	1741.6	16	70.6	8	192.7	7
Southeast District HD	9,901.3	3	9523.8	4	669.7	9	2903.9	2	92.4	7	250.2	3
South Heartland District HD	3,449.7	19	3369.7	19	338.1	18	1071.1	18	21.5	6	50.3	19
Sarpy/Cass DHW	5,869.6	16	5637.1	16	529.8	12	1611.4	17	72.9	5	119.8	14
Southwest Nebraska Public HD	9,210.5	5	8949.7	5	494.6	13	2532.1	4	94.7	4	136.8	12
Three Rivers Public HD	10,461.0	1	10110	1	918.4	2	3093.1	1	86.9	3	231.4	4
Two Rivers Public HD	6,382.5	14	6081.4	15	418	17	2016	12	74.9	2	126.5	13
West Central District HD	10,376.0	2	9954.2	2	798.8	4	2225.8	8	89.8	1	297.4	1

Source: NE Hospital Discharge Data 1999-2003

AAR: Age-adjusted rate per 100,000 population which is adjusted to the 2000 U.S. standard population