

A Guide to This Report

Three pages of the report are devoted to each measure. This “Guide” outlines what is covered on each page.

This text defines and describes the measure being addressed.

This text identifies Healthy People 2010 objectives that relate to the measure.

This text describes why this measure is important.

This text explains the risk factors for the measure.

This graph displays data for Utah and U.S. (where available) over time.

Motor Vehicle Traffic Crash Deaths

Definition: Number of motor vehicle traffic crash deaths per 100,000 population (age-adjusted). Deaths are by place of residence, and not by place of occurrence.

Healthy People 2010 Objective 15-15a: Deaths from motor vehicle crashes - (age-adjusted per 100,000 standard population)

- U.S. Target for 2010: 9.2
- State-specific Target: 14.0

Why Is It Important?
Motor vehicle crashes (MVCs) are the leading cause of injury death for all ages. From 2000 to 2002, motor vehicle crashes accounted for an average of 299 deaths annually. In addition, each year more than 30,000 Utahns will be injured and more than \$30 million will be spent on inpatient hospitalizations due to MVCs in Utah.

Risk Factors for Motor Vehicle Traffic Crash Deaths
The most important factors contributing to motor vehicle crash injuries are failure to use seat belts, excessive speed, and driving under the influence of alcohol or drugs. Not using a safety belt or a child safety restraint while traveling in a motor vehicle greatly increases the probability of being injured or killed in a crash. When not using these safety devices, a person is more likely to be ejected from the vehicle or to be thrown against the windshield.

A person's driving ability is affected by a Blood Alcohol Concentration (BAC) as low as .02%. The likelihood of a crash increases significantly over .05%. Alcohol and other drugs were contributing factors in 21.9% of all 2002 Utah motor vehicle crash deaths.

Motor Vehicle Death Ranking, 2000-2002	Rate*
South Jordan	2.1
Magna	4.8
Lehi/Cedar Valley	5.4
St. George	6.0
East Orem	6.0
Coltonwood	6.4
Sandy Center	6.5
Foothill/U of U	6.8
Woods Cross/No. SL	6.9
Holladay	7.4
Wasatch Co.	7.5
Riverton/Draper	7.5
American Fork/Alpine	7.6
Provo South	8.0
Bountiful	8.0
Avenues	8.9
Syracuse/Kaysville	9.4
Pleasant Grove/Lindon	9.6
Farmington/Centerville	9.7
Millcreek	9.8
Glendale	9.8
Riverdale	10.7
Provo/BYU	10.9
Clearfield/Hill AFB	11.0
Utah Co. South	11.1
Summit Co.	12.0
Other Cache/Rich Co.	12.3
Cedar City	12.4
Layton	12.5
West Valley East	12.8
Springville/Spanish Fork	13.0
Keams	13.4
Logan	13.5
Taylorsville	13.8
W. Jordan, Copperton	14.0
Midvale	14.0
West Jordan No.	14.1
Roy/Hooper	14.8
Rose Park	14.8
Downtown Salt Lake	14.9
Ben Lomond	15.1
North Orem	15.5
South Ogden	15.8
West Valley West	15.8
Morgan/E Weber Co.	16.2
Sandy, SE	18.1
Tooele Co.	18.2
Sandy, NE	18.7
Sevier/Piute/Wayne Co.	19.2
West Orem	19.5
Murray	20.5
South Salt Lake	20.7
Other Box Elder Co.	21.1
Downtown Ogden	21.6
Carbon/Emery Co.	21.8
Other Southwest Dist.	22.3
Brigham City	22.9
Other Washington Co.	25.2
Juab/Millard/Sanpete Co.	28.4
TriCounty LHD	35.9
Grand/San Juan Co.	44.9

Motor Vehicle Traffic Crash Death Rates, Utah and U.S., 1981-2002

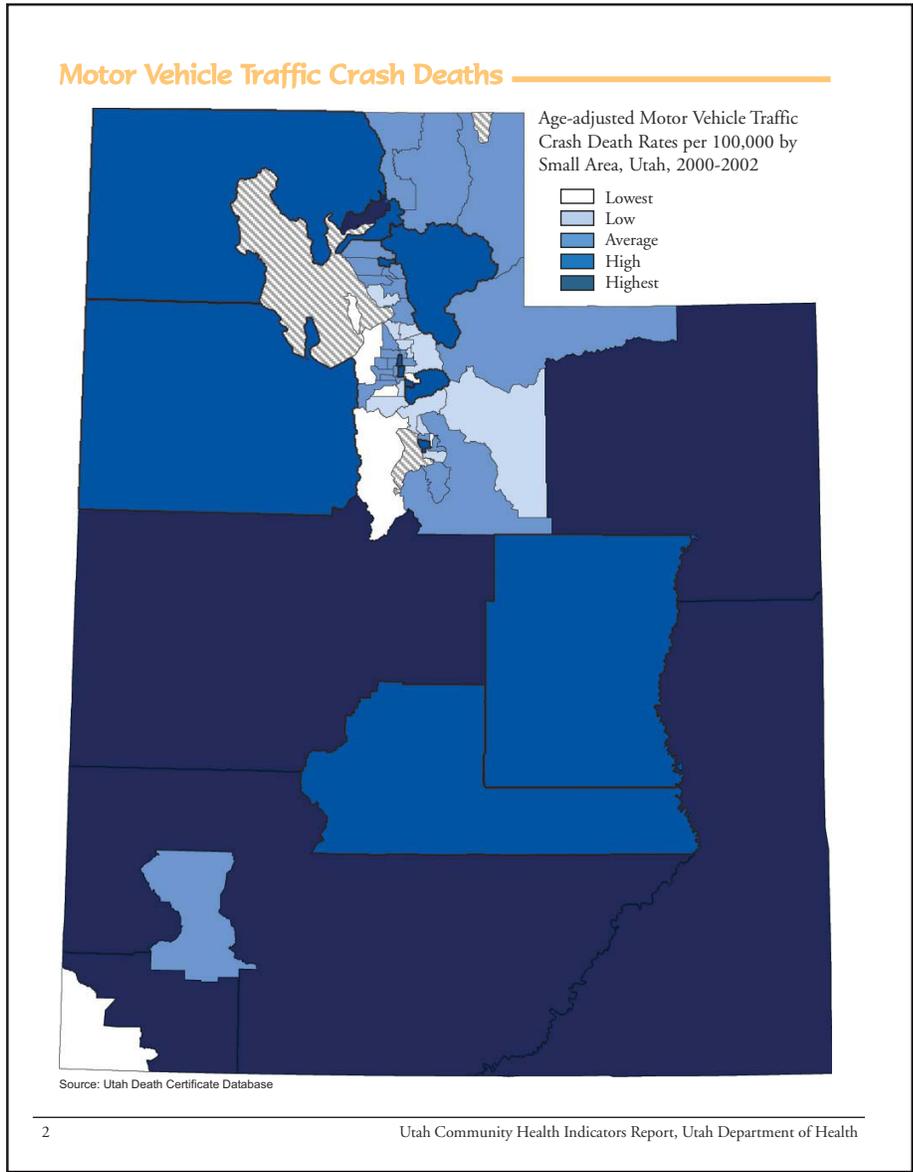
Sources: Utah Death Certificate Database, Office of Vital Records and Statistics, Utah Department of Health; Utah Governor's Office of Planning and Budget; National Vital Statistics System, National Center for Health Statistics, U.S. Centers for Disease Control and Prevention
Note: Data have been age adjusted to U.S. 2000 standard population; ICD-9 codes E810-819; ICD-10 codes (see Appendix A).

Contact: Violence and Injury Prevention Program, Utah Department of Health, 801-538-6864, <http://health.utah.gov/vipp/>

A rank order table lists data for each community. The communities are rank ordered (best to worst), and the list is color-coded based on that ranking. Colors are based on five categories, roughly the top 10%, next 20%, middle 40%, next 20%, and bottom 10%. Whenever tied scores spanned two categories, all scores were classified in the higher of the two categories.

A footnote on each page gives UDOH program contact information for the indicator presented on that page.

The second page consists of a map of color-coded areas at the most detailed geographic level for which data were available. The shading indicates the community's ranking, and is identical to the shading used in the rank-order table.



Key maps that label geographic areas and a table with Utah small area definitions appear at the end of the report, starting on page 143.

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The last page for each measure is a table of the community data. The left column of each row is shaded to correspond with that community's ranking level.

Crude rates should be used to gauge the true magnitude of the event in the community.

Age-adjusted rates should be used to compare communities on measures that are age-related.

Motor Vehicle Traffic Crash Deaths

Motor Vehicle Traffic Crash Deaths by Small Area
Utah, 2000-2002

Rank	Area of Residence	Average Population	Motor Vehicle Deaths per 100,000 Population		95% Confidence Interval	
			Average Annual Number of Events	Crude Rates	Lower	Upper
	State Total	2,288,068	299	13.1	13.7	(12.8 - 14.7)
57	Brigham City	21,306	4	20.3	22.9	(12.1 - 39.5)
53	Other Box Elder Co.	21,957	5	22.8	21.1	(11.5 - 35.4)
33	Logan	59,888	7	11.1	13.5	(7.8 - 19.8)
27	Other Cache/Rich Co.	35,646	4	11.2	12.3	(6.0 - 22.3)
41	Ben Lomond	44,855	7	15.6	15.1	(9.3 - 23.3)
45	Morgan/East Weber Co.	33,182	5	16.2	16.2	(8.8 - 27.2)
54	Downtown Ogden	28,047	5	19.0	21.6	(12.1 - 35.6)
43	South Ogden	34,593	5	14.5	15.8	(8.7 - 26.2)
38	Royal/Hooper	40,599	5	12.3	14.8	(7.9 - 25.2)
22	Riverdale	25,265	3	10.6	10.7	(4.5 - 21.3)
24	Clearfield/Hill AFB	52,461	5	10.2	11.0	(5.9 - 18.8)
29	Layton	63,293	7	10.5	12.5	(7.3 - 19.9)
17	Syracuse/Kaysville	37,140	3	9.0	9.4	(4.3 - 17.7)
19	Farmington/Centerville	27,862	2	7.2	9.7	(2.2 - 27.1)
9	Woods Cross/North SL	19,359	1	6.9	6.9	(1.8 - 17.9)
14	Bountiful	44,886	4	8.2	8.0	(3.9 - 14.6)
38	Rose Park	32,358	4	13.4	14.8	(7.6 - 26.0)
16	Avenues	21,926	2	9.1	8.9	(3.2 - 19.6)
8	Foothill/U of U	23,221	2	7.2	6.8	(2.1 - 16.4)
2	Magna	23,294	1	4.3	4.8	(0.8 - 15.2)
20	Glendale	26,554	2	8.8	9.8	(3.7 - 21.0)
43	West Valley West	66,932	9	13.9	15.8	(10.2 - 23.4)
30	West Valley East	48,584	6	11.7	12.8	(7.2 - 21.1)
40	Downtown Salt Lake	50,533	6	12.5	14.9	(8.5 - 24.3)
52	South Salt Lake	24,556	4	17.6	20.7	(10.8 - 35.9)
23	Millcreek	57,224	6	10.5	9.8	(5.7 - 15.6)
10	Holladay	44,846	3	6.7	7.4	(3.3 - 14.1)
6	Cottonwood	43,519	3	6.1	6.4	(2.7 - 12.8)
32	Kearns	65,350	9	13.3	13.4	(8.3 - 20.5)
34	Taylorsville	38,109	5	13.1	13.8	(7.4 - 23.3)
51	Murray	30,930	7	22.6	20.5	(12.6 - 31.4)
35	Midvale	28,577	4	14.0	14.0	(7.0 - 24.9)
37	West Jordan No.	44,676	5	11.2	14.1	(6.1 - 27.5)
35	W. Jordan, Copperton	41,743	5	11.2	14.0	(6.7 - 25.6)
1	South Jordan	31,669	1	2.1	2.1	(0.3 - 7.5)
7	Sandy Center	51,861	3	6.4	6.5	(3.0 - 12.1)
48	Sandy, Northeast	25,148	4	17.2	18.7	(9.2 - 33.8)
46	Sandy, Southeast	30,588	4	13.1	18.1	(8.1 - 34.8)
11	Riverton/Draper	62,791	4	5.8	7.5	(3.1 - 15.1)
47	Tooele Co.	43,865	8	17.5	18.2	(11.3 - 27.6)
3	Lehi/Cedar Valley	26,424	2	6.3	5.4	(1.8 - 12.6)
13	American Fork/Alpine	39,620	3	7.6	7.6	(3.3 - 14.8)
18	Pleasant Grove/Lindon	37,851	3	7.9	9.6	(3.6 - 20.7)
42	North Orem	35,731	5	14.0	15.5	(8.2 - 26.6)
50	West Orem	29,543	4	14.7	19.5	(9.6 - 35.2)
4	East Orem	22,141	1	6.0	6.0	(1.5 - 15.8)
29	Provo/BYU	48,704	5	10.3	10.9	(5.3 - 20.0)
14	Provo South	57,318	4	6.4	8.0	(3.0 - 17.1)
31	Springville/Spanish Fork	59,202	6	10.7	13.0	(7.7 - 20.7)
25	Utah Co. South	26,387	3	11.4	11.1	(4.9 - 21.5)
26	Summit Co.	31,104	4	12.9	12.0	(6.2 - 21.0)
11	Wasatch Co.	15,995	1	8.3	7.5	(2.0 - 19.3)
60	TriCounty LHD	41,453	14	33.8	35.9	(25.6 - 48.9)
59	Juab/Millard/Sanpete Co.	44,288	13	28.6	28.4	(19.9 - 39.4)
49	Sevier/Plute/Wayne Co.	23,040	4	16.8	19.2	(10.1 - 33.2)
55	Carbon/Emery Co.	30,716	7	22.8	21.8	(13.4 - 33.5)
61	Grand/San Juan Co.	22,714	9	41.1	44.9	(29.7 - 65.2)
4	St. George	53,715	3	6.2	6.0	(2.7 - 11.3)
58	Other Washington Co.	41,445	10	24.9	25.2	(17.0 - 36.1)
28	Cedar City	29,612	3	9.0	12.4	(4.9 - 25.9)
53	Other Southwest Dist.	21,854	5	24.4	22.3	(12.7 - 38.4)

* Rates have been age adjusted to the U.S. 2000 standard population.
ICD-10 codes: see Appendix A
Source: Utah Death Certificate Database

In this table, geographic areas are listed in the same order each time, either alphabetical order (for health districts and states) or geographic location, north to south (for small areas).