
APPENDIX B: INJURY HOSPITALIZATION DATA TABLES

H1. Injury hospitalizations: Colorado occurrences, 2001-2003

Mechanism of Injury	2001		2002		2003		2001-2003 Average	
	N	%	N	%	N	%	N	%
Total injury hospitalizations	31,070		31,487		30,985		31,181	
Hospitalizations without mechanism mentioned	610		642		738		663	
Hospitalizations with mechanism mentioned	30,460	100.0	30,845	100.0	30,247	100.0	30,517	100.0
Total unintentional injury	26,240	86.1	26,657	86.4	26,088	86.2	26,328	86.3
Transportation	6,575	21.6	6,895	22.4	6,391	21.1	6,620	21.7
Motor vehicle traffic	4,828	15.9	5,150	16.7	4,661	15.4	4,880	16.0
Other transportation	1,747	5.7	1,745	5.7	1,730	5.7	1,741	5.7
Drowning/submersion	47	0.2	48	0.2	35	0.1	43	0.1
Poisoning	1,167	3.8	1,182	3.8	1,307	4.3	1,219	4.0
Fall	13,898	45.6	14,162	45.9	14,116	46.7	14,059	46.1
Fire/burn	336	1.1	372	1.2	310	1.0	339	1.1
Natural/environmental	756	2.5	789	2.6	782	2.6	776	2.5
Struck by or against	1,024	3.4	1,035	3.4	989	3.3	1,016	3.3
Machinery/cutting instrument	723	2.4	690	2.2	670	2.2	694	2.3
Other unintentional	2,122	7.0	2,013	6.5	2,008	6.6	2,048	6.7
Total intentional injury	3,916	12.9	3,931	12.7	3,919	13.0	3,922	12.9
Suicide/self-Inflicted	2,646	8.7	2,585	8.4	2,610	8.6	2,614	8.6
Drug overdose	2,102	6.9	2,141	6.9	2,109	7.0	2,117	6.9
Assault/legal intervention	1,279	4.2	1,357	4.4	1,329	4.4	1,322	4.3
Total undetermined intent	456	1.5	401	1.3	386	1.3	414	1.4
Total firearm-related	268	0.9	318	1.0	312	1.0	299	1.0

Percentages are of total hospitalizations with mechanism of injury mentioned each year.

Transfer or multiple records of the same event were excluded.

Sums may not add to total due to cases with more than one mechanism of injury mentioned.

See Appendix F for the definitions of mechanism of injury and their associated ICD-9-CM codes.

Total firearm-related hospitalizations include unintentional, intentional, and undetermined intent events.

Data source: Colorado Health and Hospital Association.

Prepared by the Injury Epidemiology Program, Colorado Department of Public Health and Environment.

H2. Injury hospitalizations by residency status: Colorado occurrences, 2001-2003 annual average

Mechanism of Injury	Total		Residents		Non-Residents		Residency Unknown	
	N	%	N	%	N	%	N	%
Total injury hospitalizations	31,181	100.0	28,772	92.3	2,402	7.7	6	0.0
Hospitalizations without mechanism mentioned	663	100.0	621	93.7	41	6.2	0	0.0
Hospitalizations with mechanism mentioned	30,517	100.0	28,151	92.2	2,361	7.7	6	0.0
Total unintentional injury	26,328	100.0	24,078	91.5	2,246	8.5	4	0.0
Transportation	6,620	100.0	5,876	88.8	743	11.2	1	0.0
Motor vehicle traffic	4,880	100.0	4,360	89.3	518	10.6	1	0.0
Other transportation	1,741	100.0	1,516	87.1	225	12.9	0	0.0
Drowning/submersion	43	100.0	38	88.4	5	11.6	0	0.0
Poisoning	1,219	100.0	1,169	95.9	49	4.0	1	0.1
Fall	14,059	100.0	12,929	92.0	1,128	8.0	2	0.0
Fire/burn	339	100.0	311	91.7	28	8.3	0	0.0
Natural/environmental	776	100.0	720	92.8	56	7.2	0	0.0
Struck by or against	1,016	100.0	889	87.5	127	12.5	0	0.0
Machinery/cutting instrument	694	100.0	656	94.5	38	5.5	0	0.0
Other unintentional	2,048	100.0	1,923	93.9	125	6.1	0	0.0
Total intentional injury	3,922	100.0	3,819	97.4	101	2.6	1	0.0
Suicide/self-inflicted	2,614	100.0	2,560	97.9	53	2.0	1	0.0
Drug overdose	2,117	100.0	2,076	98.1	40	1.9	1	0.0
Assault/legal intervention	1,322	100.0	1,273	96.3	48	3.6	1	0.1
Total undetermined intent	414	100.0	395	95.4	19	4.6	0	0.0
Total firearm-related	299	100.0	285	95.3	14	4.7	0	0.0

Percentages are of total hospitalizations of each mechanism of injury category.
 Transfer or multiple records of the same event were excluded.
 Sums may not add to total due to cases with more than one mechanism of injury mentioned.
 Totals may not equal sum of columns due to rounding.
 See Appendix F for the definitions of mechanism of injury and their associated ICD-9-CM codes.
 Total firearm-related hospitalizations include unintentional, intentional, and undetermined intent events.
 Data source: Colorado Health and Hospital Association.
 Prepared by the Injury Epidemiology Program, Colorado Department of Public Health and Environment.

H3. Injury hospitalizations, crude rates and age-adjusted rates: Colorado residents, 2003 and 2001-2003 annual average

Mechanism of Injury	2003			2001-2003 Average		
	N	Crude Rate	Adj. Rate	N	Crude Rate	Adj. Rate
Total injury hospitalizations	28,607	623.9	682.3	28,772	637.0	694.0
Hospitalizations with mechanism mentioned	27,919	608.9	665.6	28,151	623.2	678.7
Total unintentional injury	23,889	521.0	580.6	24,078	533.0	591.6
Transportation	5,678	123.8	123.7	5,876	130.1	130.0
Motor vehicle traffic	4,160	90.7	90.7	4,360	96.5	96.5
Other transportation	1,518	33.1	33.0	1,516	33.6	33.5
Drowning/submersion	29	0.6	0.6	38	0.8	0.8
Poisoning	1,255	27.4	28.3	1,169	25.9	26.7
Fall	12,978	283.0	338.6	12,929	286.2	340.6
Fire/burn	280	6.1	6.2	311	6.9	7.0
Natural/environmental	729	15.9	16.3	720	15.9	16.4
Struck by or against	874	19.1	19.6	889	19.7	20.2
Machinery/cutting instrument	636	13.9	13.7	656	14.5	14.3
Other unintentional	1,890	41.2	44.3	1,923	42.6	45.6
Total intentional injury	3,800	82.9	80.1	3,819	84.6	81.5
Suicide/self-inflicted	2,551	55.6	53.8	2,560	56.7	54.7
Drug overdose	2,065	45.0	43.5	2,076	46.0	44.3
Assault/legal intervention	1,268	27.7	26.7	1,273	28.2	27.1
Total undetermined intent	368	8.0	7.9	395	8.8	8.6
Total firearm-related	299	6.5	6.3	285	6.3	6.1

Transfer or multiple records of the same event were excluded.

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

Sums may not add to total due to cases with more than one mechanism of injury mentioned.

See Appendix F for the definitions of mechanism of injury and their associated ICD-9-CM codes.

Total firearm-related hospitalizations include unintentional, intentional, and undetermined intent events.

Data source: Colorado Health and Hospital Association.

Prepared by the Injury Epidemiology Program, Colorado Department of Public Health and Environment.

H4. Injury hospitalizations, crude rates and age-adjusted rates for selected injury categories: Colorado residents, 1996-2003

Year	Total Injury Hospitalizations			Motor Vehicle Traffic			Other Transportation		
	N	Crude Rate	Adj. Rate	N	Crude Rate	Adj. Rate	N	Crude Rate	Adj. Rate
1996	26,569	680.8	747.6	4,431	113.5	113.5	1,194	30.6	30.3
1997	27,200	680.7	747.9	4,571	114.4	114.9	1,212	30.3	30.1
1998	27,405	668.0	732.5	4,478	109.2	109.3	1,315	32.1	31.8
1999	27,184	644.8	708.3	4,423	104.9	105.0	1,288	30.6	30.3
2000	28,303	652.2	714.7	4,546	104.8	105.0	1,461	33.7	33.3
2001	28,715	645.9	702.5	4,335	97.5	97.4	1,523	34.3	34.2
2002	28,995	641.4	697.1	4,585	101.4	101.6	1,507	33.3	33.2
2003	28,607	623.9	682.3	4,160	90.7	90.7	1,518	33.1	33.0

Year	Fall			Poisoning			Fire/Burn		
	N	Crude Rate	Adj. Rate	N	Crude Rate	Adj. Rate	N	Crude Rate	Adj. Rate
1996	11,062	283.5	346.5	935	24.0	24.5	318	8.1	8.4
1997	11,538	288.7	351.0	997	25.0	25.7	360	9.0	9.3
1998	11,672	284.5	345.1	1,014	24.7	25.4	321	7.8	8.1
1999	11,890	282.0	343.0	1,112	26.4	27.2	311	7.4	7.7
2000	12,406	285.9	345.4	1,066	24.6	25.5	316	7.3	7.4
2001	12,785	287.6	342.1	1,110	25.0	25.7	312	7.0	7.1
2002	13,025	288.1	341.3	1,142	25.3	26.1	342	7.6	7.8
2003	12,978	283.0	338.6	1,255	27.4	28.3	280	6.1	6.2

Year	Natural/Environmental			Struck by or Against			Machinery/Cutting Instrument		
	N	Crude Rate	Adj. Rate	N	Crude Rate	Adj. Rate	N	Crude Rate	Adj. Rate
1996	561	14.4	14.8	848	21.7	21.7	654	16.8	16.4
1997	585	14.6	15.1	932	23.3	23.7	722	18.1	17.6
1998	538	13.1	13.4	967	23.6	24.0	777	18.9	18.6
1999	602	14.3	14.8	897	21.3	21.5	729	17.3	17.0
2000	661	15.2	15.8	939	21.6	22.0	773	17.8	17.5
2001	709	15.9	16.5	908	20.4	20.9	684	15.4	15.2
2002	721	15.9	16.4	886	19.6	20.2	648	14.3	14.2
2003	729	15.9	16.3	874	19.1	19.6	636	13.9	13.7

Year	Suicide/Self-inflicted			Assault/Legal Intervention			Total Firearm-Related		
	N	Crude Rate	Adj. Rate	N	Crude Rate	Adj. Rate	N	Crude Rate	Adj. Rate
1996	2,390	61.2	58.6	1,175	30.1	28.6	338	8.7	8.2
1997	2,286	57.2	54.8	1,131	28.3	26.9	264	6.6	6.3
1998	2,356	57.4	55.1	1,221	29.8	28.5	270	6.6	6.3
1999	2,363	56.0	53.6	1,214	28.8	27.4	283	6.7	6.4
2000	2,414	55.6	53.4	1,163	26.8	25.6	236	5.4	5.2
2001	2,594	58.4	56.1	1,236	27.8	26.6	257	5.8	5.6
2002	2,534	56.1	54.2	1,314	29.1	28.0	299	6.6	6.4
2003	2,551	55.6	53.8	1,268	27.7	26.7	299	6.5	6.3

Transfer or multiple records of the same event were excluded.
 Rates are per 100,000 population. Age-adjusted rates are adjusted to the 2000 U.S. standard population.
 See Appendix F for the definitions of mechanism of injury and their associated ICD-9-CM codes.
 Total firearm-related hospitalizations include unintentional, intentional, and undetermined intent events.
 Data source: Colorado Health and Hospital Association.
 Prepared by the Injury Epidemiology Program, Colorado Department of Public Health and Environment.

**H5. Injury hospitalizations, crude rates and age-adjusted rates by sex:
Colorado residents, 2001-2003 annual average**

Mechanism of Injury	N	Male				Female				
		Crude Rate	Adj. Rate	Lower Limit	Upper Limit	N	Crude Rate	Adj. Rate	Lower Limit	Upper Limit
Total injury hospitalizations	14,499	637.5	709.0	702.1	715.9	14,273	636.4	652.0	645.9	658.1
Hospitalizations with mechanism mentioned	14,203	624.5	693.0	686.2	699.8	13,948	621.9	637.1	631.0	643.1
Total unintentional injury	12,021	528.5	602.1	595.6	608.5	12,057	537.6	554.1	548.4	559.7
Transportation	3,683	161.9	161.6	158.5	164.7	2,193	97.8	98.0	95.6	100.3
Motor vehicle traffic	2,635	115.9	115.7	113.1	118.3	1,725	76.9	77.1	75.0	79.2
Other transportation	1,047	46.0	45.9	44.3	47.6	469	20.9	20.8	19.8	21.9
Drowning/submersion	23	1.0	1.0	0.8	1.2	15	0.7	0.7	0.5	0.9
Poisoning	551	24.2	25.4	24.1	26.7	618	27.5	27.8	26.5	29.0
Fall	5,184	227.9	296.2	291.3	301.0	7,746	345.4	360.4	355.8	364.9
Fire/burn	202	8.9	9.1	8.4	9.9	109	4.9	4.9	4.4	5.4
Natural/environmental	394	17.3	18.2	17.1	19.3	325	14.5	14.6	13.7	15.6
Struck by or against	642	28.2	28.5	27.2	29.9	247	11.0	11.3	10.5	12.1
Machinery/cutting instrument	536	23.6	23.2	22.1	24.4	120	5.4	5.3	4.8	5.9
Other unintentional	1,061	46.6	51.0	49.2	52.8	862	38.4	39.3	37.8	40.8
Total intentional injury	2,060	90.6	85.7	83.5	87.8	1,759	78.4	77.1	75.0	79.2
Suicide/self-inflicted	1,039	45.7	43.6	42.0	45.1	1,520	67.8	66.7	64.7	68.6
Drug overdose	748	32.9	31.2	29.9	32.5	1,329	59.2	58.2	56.4	60.0
Assault/legal intervention	1,026	45.1	42.3	40.8	43.8	247	11.0	10.8	10.1	11.6
Total undetermined intent	203	8.9	8.7	8.0	9.4	192	8.6	8.5	7.8	9.2
Total firearm-related	247	10.8	10.2	9.5	11.0	38	1.7	1.7	1.4	2.0

"Lower limit" and "Upper limit" describe the confidence interval for the adjusted rate.
 Transfer or multiple records of the same event were excluded.
 Rates are per 100,000 population. Age-adjusted rates are adjusted to the 2000 U.S. standard population.
 Sums may not add to total due to cases with more than one mechanism of injury mentioned.
 See Appendix F for the definitions of mechanism of injury and their associated ICD-9-CM codes.
 Total firearm-related hospitalizations include unintentional, intentional, and undetermined intent events.
 Data source: Colorado Health and Hospital Association.
 Prepared by the Injury Epidemiology Program, Colorado Department of Public Health and Environment.

H6. Injury hospitalizations by race/ethnicity: Colorado residents, 2001-2003 annual average

Mechanism of Injury	Total N	Total With Race/Ethnicity Reported		White Non-Hispanic		White Hispanic		Black		Asian		American Indian		Unknown
		N	%	N	%	N	%	N	%	N	%	N	%	
Total injury hospitalizations	28,772	21,389	100.0	17,186	100.0	3,110	100.0	855	100.0	162	100.0	76	100.0	7,385
Hospitalizations with mechanism mentioned	28,151	20,921	97.8	16,804	97.8	3,042	97.8	842	98.5	160	98.8	73	96.1	7,231
Total unintentional injury	24,078	17,825	83.3	14,719	85.6	2,337	75.1	588	68.8	132	81.5	49	64.5	6,253
Transportation	5,876	4,305	20.1	3,291	19.1	785	25.2	169	19.8	44	27.2	16	21.1	1,572
Motor vehicle traffic	4,360	3,178	14.9	2,279	13.3	689	22.2	157	18.4	40	24.7	13	17.1	1,182
Other transportation	1,516	1,126	5.3	1,012	5.9	96	3.1	11	1.3	4	2.5	3	3.9	390
Drowning/submersion	38	25	0.1	18	0.1	5	0.2	2	0.2	0	0.0	0	0.0	13
Poisoning	1,169	919	4.3	719	4.2	126	4.1	63	7.4	8	4.9	3	3.9	250
Fall	12,929	9,492	44.4	8,299	48.3	901	29.0	214	25.0	60	37.0	18	23.7	3,437
Fire/burn	311	235	1.1	166	1.0	45	1.4	19	2.2	2	1.2	3	3.9	76
Natural/environmental	720	566	2.6	463	2.7	77	2.5	19	2.2	4	2.5	3	3.9	153
Struck by or against	889	648	3.0	521	3.0	98	3.2	23	2.7	5	3.1	1	1.3	241
Machinery/cutting instrument	656	526	2.5	334	1.9	161	5.2	26	3.0	3	1.9	2	2.6	130
Other unintentional	1,923	1,449	6.8	1,185	6.9	184	5.9	68	8.0	8	4.9	4	5.3	474
Total intentional injury	3,819	2,919	13.6	1,947	11.3	679	21.8	242	28.3	27	16.7	24	31.6	900
Suicide/self-inflicted	2,560	1,919	9.0	1,512	8.8	303	9.7	78	9.1	17	10.5	9	11.8	641
Drug overdose	2,076	1,541	7.2	1,222	7.1	236	7.6	63	7.4	14	8.6	7	9.2	534
Assault/legal intervention	1,273	1,011	4.7	442	2.6	379	12.2	165	19.3	10	6.2	15	19.7	262
Total undetermined intent	395	285	1.3	208	1.2	53	1.7	21	2.5	2	1.2	1	1.3	110
Total firearm-related	285	222	1.0	91	0.5	77	2.5	50	5.8	4	2.5	0	0.0	63

Percentages are of total hospitalizations of each race/ethnicity category.

Transfer or multiple records of the same event were excluded.

Sums may not add to total due to cases with more than one mechanism of injury mentioned.

See Appendix F for the definitions of mechanism of injury and their associated ICD-9-CM codes.

Total firearm-related hospitalizations include unintentional, intentional, and undetermined intent events.

Data source: Colorado Health and Hospital Association.

Prepared by the Injury Epidemiology Program, Colorado Department of Public Health and Environment.

H7. Injury hospitalizations and rates by age: Colorado residents, both sexes, 2001-2003 total

Mechanism of Injury	AGE GROUP									
	< 5		5-14		15-24		25-34		35-44	
	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate
Total injury hospitalizations	1,882	195.4	3,926	206.8	11,604	597.8	9,731	476.5	11,160	504.7
Hospitalizations with mechanism mentioned	1,836	190.6	3,888	204.8	11,516	593.3	9,603	470.3	10,947	495.1
Total unintentional injury	1,603	166.4	3,486	183.7	7,957	409.9	6,850	335.4	8,198	370.8
Transportation	208	21.6	1,281	67.5	4,179	215.3	2,916	142.8	3,004	135.9
Motor vehicle traffic	154	16.0	671	35.4	3,454	178.0	2,259	110.6	2,129	96.3
Other transportation	54	5.6	610	32.1	725	37.4	657	32.2	875	39.6
Drowning/submersion	43	4.5	12	0.6	19	1.0	9	0.4	13	0.6
Poisoning	266	27.6	98	5.2	412	21.2	411	20.1	584	26.4
Fall	628	65.2	1,279	67.4	1,734	89.3	1,814	88.8	2,591	117.2
Fire/burn	86	8.9	43	2.3	96	4.9	128	6.3	161	7.3
Natural/environmental	157	16.3	169	8.9	193	9.9	247	12.1	359	16.2
Struck by or against	81	8.4	329	17.3	559	28.8	375	18.4	382	17.3
Machinery/cutting instrument	51	5.3	136	7.2	375	19.3	383	18.8	396	17.9
Other unintentional	122	12.7	212	11.2	558	28.7	703	34.4	880	39.8
Total intentional injury	211	21.9	393	20.7	3,396	175.0	2,627	128.6	2,578	116.6
Suicide/self-inflicted	0	0.0	303	16.0	2,224	114.6	1,708	83.6	1,773	80.2
Drug overdose	0	0.0	226	11.9	1,756	90.5	1,391	68.1	1,467	66.3
Assault/legal intervention	211	21.9	94	5.0	1,183	60.9	928	45.4	818	37.0
Total undetermined intent	35	3.6	29	1.5	237	12.2	207	10.1	277	12.5
Total firearm-related	2	0.2	35	1.8	333.0	17.2	238	11.7	122	5.5

Mechanism of Injury	45-54		55-64		65-74		75-84		85+	
	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate
Total injury hospitalizations	10,376	519.6	6,929	596.7	7,630	1,049.7	12,713	2,780.8	10,366	6,752.9
Hospitalizations with mechanism mentioned	10,086	505.0	6,679	575.2	7,345	1,010.5	12,359	2,703.3	10,194	6,640.9
Total unintentional injury	8,416	421.4	6,230	536.5	7,134	981.5	12,222	2,673.4	10,138	6,604.4
Transportation	2,597	130.0	1,449	124.8	918	126.3	824	180.2	252	164.2
Motor vehicle traffic	1,824	91.3	1,010	87.0	686	94.4	687	150.3	206	134.2
Other transportation	773	38.7	439	37.8	232	31.9	137	30.0	46	30.0
Drowning/submersion	8	0.4	2	0.2	4	0.6	4	0.9	1	0.7
Poisoning	631	31.6	347	29.9	314	43.2	340	74.4	104	67.8
Fall	3,351	167.8	3,311	285.1	4,900	674.1	9,988	2,184.7	9,192	5,988.1
Fire/burn	153	7.7	115	9.9	68	9.4	62	13.6	22	14.3
Natural/environmental	386	19.3	233	20.1	166	22.8	174	38.1	75	48.9
Struck by or against	298	14.9	175	15.1	160	22.0	189	41.3	120	78.2
Machinery/cutting instrument	328	16.4	136	11.7	81	11.1	56	12.2	26	16.9
Other unintentional	837	41.9	584	50.3	621	85.4	756	165.4	462	301.0
Total intentional injury	1,524	76.3	406	35.0	169	23.3	108	23.6	46	30.0
Suicide/self-inflicted	1,130	56.6	307	26.4	131	18.0	74	16.2	29	18.9
Drug overdose	951	47.6	262	22.6	101	13.9	52	11.4	23	15.0
Assault/legal intervention	396	19.8	99	8.5	38	5.2	34	7.4	17	11.1
Total undetermined intent	217	10.9	71	6.1	55	7.6	43	9.4	15	9.8
Total firearm-related	71	3.6	27	2.3	17	2.3	7	1.5	3	2.0

Transfer or multiple records of the same event were excluded. Rates are per 100,000 population.
 Sums may not add to total due to cases with more than one mechanism of injury mentioned.
 See Appendix F for the definitions of mechanism of injury and their associated ICD-9-CM codes.
 Total firearm-related hospitalizations include unintentional, intentional, and undetermined intent events.
 Data source: Colorado Health and Hospital Association.
 Prepared by the Injury Epidemiology Program, Colorado Department of Public Health and Environment.

H8. Injury hospitalizations and rates by age: Colorado residents, male, 2001-2003 total

Mechanism of Injury	AGE GROUP									
	< 5		5-14		15-24		25-34		35-44	
	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate
Total injury hospitalizations	1,093	221.7	2,446	251.3	7,477	736.0	6,402	597.7	6,840	609.5
Hospitalizations with mechanism mentioned	1,066	216.2	2,422	248.9	7,432	731.6	6,336	591.5	6,735	600.1
Total unintentional injury	914	185.4	2,281	234.4	5,441	535.6	4,781	446.4	5,269	469.5
Transportation	119	24.1	814	83.6	2,715	267.3	2,017	188.3	1,924	171.4
Motor vehicle traffic	85	17.2	383	39.4	2,155	212.1	1,501	140.1	1,348	120.1
Other transportation	34	6.9	431	44.3	560	55.1	516	48.2	576	51.3
Drowning/submersion	24	4.9	8	0.8	11	1.1	8	0.7	7	0.6
Poisoning	145	29.4	51	5.2	218	21.5	234	21.8	299	26.6
Fall	368	74.6	841	86.4	1,269	124.9	1,267	118.3	1,620	144.4
Fire/burn	46	9.3	33	3.4	75	7.4	88	8.2	109	9.7
Natural/environmental	77	15.6	93	9.6	110	10.8	152	14.2	213	19.0
Struck by or against	60	12.2	254	26.1	470	46.3	310	28.9	303	27.0
Machinery/cutting instrument	27	5.5	96	9.9	315	31.0	333	31.1	336	29.9
Other unintentional	74	15.0	141	14.5	384	37.8	480	44.8	576	51.3
Total intentional injury	136	27.6	139	14.3	1,907	187.7	1,481	138.3	1,381	123.1
Suicide/self-inflicted	0	0.0	76	7.8	891	87.7	710	66.3	736	65.6
Drug overdose	0	0.0	49	5.0	615	60.5	513	47.9	548	48.8
Assault/legal intervention	136	27.6	65	6.7	1,019	100.3	773	72.2	651	58.0
Total undetermined intent	23	4.7	12	1.2	138	13.6	125	11.7	140	12.5
Total firearm-related	2	0.4	27	2.8	298	29.3	213	19.9	93	8.3

Mechanism of Injury	45-54		55-64		65-74		75-84		85+	
	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate
Total injury hospitalizations	5,889	588.6	3,554	619.4	3,268	961.0	4,033	2,171.8	2,495	5,204.6
Hospitalizations with mechanism mentioned	5,739	573.6	3,434	598.5	3,141	923.6	3,880	2,089.4	2,424	5,056.5
Total unintentional injury	4,896	489.3	3,212	559.8	3,036	892.8	3,830	2,062.4	2,403	5,012.7
Transportation	1,594	159.3	876	152.7	505	148.5	364	196.0	120	250.3
Motor vehicle traffic	1,117	111.6	579	100.9	351	103.2	291	156.7	96	200.3
Other transportation	477	47.7	297	51.8	154	45.3	73	39.3	24	50.1
Drowning/submersion	5	0.5	2	0.3	2	0.6	2	1.1	0	0.0
Poisoning	286	28.6	153	26.7	129	37.9	105	56.5	34	70.9
Fall	1,799	179.8	1,492	260.0	1,880	552.8	2,935	1,580.5	2,080	4,338.9
Fire/burn	105	10.5	70	12.2	39	11.5	35	18.8	6	12.5
Natural/environmental	227	22.7	134	23.4	80	23.5	71	38.2	26	54.2
Struck by or against	221	22.1	121	21.1	86	25.3	71	38.2	30	62.6
Machinery/cutting instrument	268	26.8	111	19.3	65	19.1	41	22.1	15	31.3
Other unintentional	496	49.6	315	54.9	297	87.3	266	143.2	128	267.0
Total intentional injury	776	77.6	211	36.8	89	26.2	46	24.8	15	31.3
Suicide/self-inflicted	460	46.0	141	24.6	62	18.2	32	17.2	10	20.9
Drug overdose	350	35.0	107	18.6	40	11.8	14	7.5	7	14.6
Assault/legal intervention	317	31.7	70	12.2	27	7.9	14	7.5	5	10.4
Total undetermined intent	108	10.8	26	4.5	22	6.5	9	4.8	7	14.6
Total firearm-related	61	6.1	21	3.7	16	4.7	7	3.8	2	4.2

Transfer or multiple records of the same event were excluded. Rates are per 100,000 population.
 Sums may not add to total due to cases with more than one mechanism of injury mentioned.
 See Appendix F for the definitions of mechanism of injury and their associated ICD-9-CM codes.
 Total firearm-related hospitalizations include unintentional, intentional, and undetermined intent events.
 Data source: Colorado Health and Hospital Association.
 Prepared by the Injury Epidemiology Program, Colorado Department of Public Health and Environment.

H9. Injury hospitalizations and rates by age: Colorado residents, female, 2001-2003 total

Mechanism of Injury	AGE GROUP									
	< 5		5-14		15-24		25-34		35-44	
	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate
Total injury hospitalizations	789	167.8	1,480	160.0	4,127	446.1	3,329	342.9	4,320	396.7
Hospitalizations with mechanism mentioned	770	163.7	1,466	158.5	4,084	441.5	3,267	336.5	4,212	386.8
Total unintentional injury	689	146.5	1,205	130.3	2,516	272.0	2,069	213.1	2,929	269.0
Transportation	89	18.9	467	50.5	1,464	158.2	899	92.6	1,080	99.2
Motor vehicle traffic	69	14.7	288	31.1	1,299	140.4	758	78.1	781	71.7
Other transportation	20	4.3	179	19.4	165	17.8	141	14.5	299	27.5
Drowning/submersion	19	4.0	4	0.4	8	0.9	1	0.1	6	0.6
Poisoning	121	25.7	47	5.1	194	21.0	177	18.2	285	26.2
Fall	260	55.3	438	47.4	465	50.3	547	56.3	971	89.2
Fire/burn	40	8.5	10	1.1	21	2.3	40	4.1	52	4.8
Natural/environmental	80	17.0	76	8.2	83	9.0	95	9.8	146	13.4
Struck by or against	21	4.5	75	8.1	89	9.6	65	6.7	79	7.3
Machinery/cutting instrument	24	5.1	40	4.3	60	6.5	50	5.1	60	5.5
Other unintentional	48	10.2	71	7.7	174	18.8	223	23.0	304	27.9
Total intentional injuries	75	15.9	254	27.5	1,489	161.0	1,146	118.0	1,197	109.9
Suicide/self-inflicted	0	0.0	227	24.5	1,333	144.1	998	102.8	1,037	95.2
Drug overdose	0	0.0	177	19.1	1,141	123.3	878	90.4	919	84.4
Assault/legal intervention	75	15.9	29	3.1	164	17.7	155	16.0	167	15.3
Total undetermined intent	12	2.6	17	1.8	99	10.7	82	8.4	137	12.6
Total firearm-related	0	0	8	0.9	35	3.8	25	2.6	29	2.7

Mechanism of Injury	55-64		45-54		65-74		75-84		85+	
	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate
Total injury hospitalizations	4,487	450.3	3,375	574.5	4,362	1,127.7	8,680	3,197.4	7,871	7,456.1
Hospitalizations with mechanism mentioned	4,347	436.2	3,245	552.3	4,204	1,086.9	8,479	3,123.3	7,770	7,360.4
Total unintentional injury	3,520	353.2	3,018	513.7	4,098	1,059.5	8,392	3,091.3	7,735	7,327.2
Transportation	1,003	100.7	573	97.5	413	106.8	460	169.4	132	125.0
Motor vehicle traffic	707	70.9	431	73.4	335	86.6	396	145.9	110	104.2
Other transportation	296	29.7	142	24.2	78	20.2	64	23.6	22	20.8
Drowning/submersion	3	0.3	0	0.0	2	0.5	2	0.7	1	0.9
Poisoning	345	34.6	194	33.0	185	47.8	235	86.6	70	66.3
Fall	1,552	155.7	1,819	309.6	3,020	780.8	7,053	2,598.0	7,112	6,737.1
Fire/burn	48	4.8	45	7.7	29	7.5	27	9.9	16	15.2
Natural/environmental	159	16.0	99	16.9	86	22.2	103	37.9	49	46.4
Struck by or against	77	7.7	54	9.2	74	19.1	118	43.5	90	85.3
Machinery/cutting instrument	60	6.0	25	4.3	16	4.1	15	5.5	11	10.4
Other unintentional	341	34.2	269	45.8	324	83.8	490	180.5	334	316.4
Total intentional injury	748	75.1	195	33.2	80	20.7	62	22.8	31	29.4
Suicide/self-inflicted	670	67.2	166	28.3	69	17.8	42	15.5	19	18.0
Drug overdose	601	60.3	155	26.4	61	15.8	38	14.0	16	15.2
Assault/legal intervention	79	7.9	29	4.9	11	2.8	20	7.4	12	11.4
Total undetermined intent	109	10.9	45	7.7	33	8.5	34	12.5	8	7.6
Total firearm-related	10	1.0	6	1.0	1	0.3	0	0.0	1	0.9

Transfer or multiple records of the same event were excluded. Rates are per 100,000 population
 Sums may not add to total due to cases with more than one mechanism of injury mentioned.
 See Appendix F for the definitions of mechanism of injury and their associated ICD-9-CM codes.
 Total firearm-related hospitalizations include unintentional, intentional, and undetermined intent events.
 Data source: Colorado Health and Hospital Association.
 Prepared by the Injury Epidemiology Program, Colorado Department of Public Health and Environment.

**H10. Injury hospitalizations and rates for selected injury categories by age and sex:
Colorado residents, 2001-2003 annual average**

Mechanism/Age Group	Male				Female			
	N	Crude Rate	Lower Limit	Upper Limit	N	Crude Rate	Lower Limit	Upper Limit
Total injury hospitalizations								
< 1	103	298.0	264.4	331.6	73	221.9	192.1	251.6
1-4	261	201.3	187.1	215.5	190	153.3	140.6	166.0
5-9	308	193.0	180.5	205.5	196	129.3	118.8	139.9
10-14	507	307.9	292.4	323.5	297	189.8	177.2	202.3
15-19	1,207	697.1	674.4	719.9	746	463.1	443.9	482.3
20-24	1,285	776.7	752.2	801.2	629	427.5	408.1	446.9
25-34	2,134	597.7	583.1	612.3	1,110	342.9	331.2	354.5
35-44	2,280	609.5	595.1	623.9	1,440	396.7	384.9	408.6
45-54	1,963	588.6	573.5	603.6	1,496	450.3	437.1	463.5
55-64	1,185	619.4	599.0	639.8	1,125	574.5	555.1	593.9
65-69	520	834.3	792.8	875.8	596	874.2	833.6	914.8
70-74	569	1,115.8	1,062.9	1,168.8	858	1,412.2	1,357.7	1,466.6
75-79	652	1,725.1	1,648.9	1,801.3	1,293	2,463.7	2,386.8	2,540.6
80-84	692	2,873.0	2,750.5	2,995.5	1,601	4,209.6	4,092.7	4,326.6
85+	832	5,204.6	5,004.7	5,404.5	2,624	7,456.1	7,297.1	7,615.0
Motor vehicle traffic								
< 1	4	12.5	5.2	19.8	3	9.1	2.6	15.5
1-4	24	18.5	14.1	22.9	20	16.2	11.9	20.4
5-9	62	38.8	33.1	44.5	35	22.8	18.3	27.3
10-14	66	39.9	34.2	45.6	61	39.2	33.4	45.0
15-19	336	194.1	182.0	206.1	243	150.6	139.5	161.6
20-24	382	231.0	217.6	244.5	190	129.3	118.6	140.0
25-34	500	140.1	133.0	147.3	253	78.1	72.5	83.7
35-44	449	120.1	113.7	126.6	260	71.7	66.7	76.8
45-54	372	111.6	105.0	118.2	236	70.9	65.7	76.2
55-64	193	100.9	92.6	109.2	144	73.4	66.4	80.4
65-69	62	98.9	84.4	113.5	53	77.7	65.4	90.1
70-74	55	108.4	91.6	125.3	59	96.6	82.0	111.1
75-79	51	134.9	113.1	156.7	68	129.6	111.5	147.7
80-84	46	191.0	158.5	223.5	64	168.3	144.1	192.5
85+	32	200.3	159.2	241.3	37	104.2	84.3	124.1
Fall								
< 1	25	71.1	54.4	87.8	21	63.5	47.3	79.7
1-4	98	75.6	66.8	84.4	66	53.1	45.5	60.6
5-9	126	78.7	70.6	86.7	83	54.9	48.0	61.8
10-14	155	93.9	85.3	102.6	63	40.0	34.2	45.9
15-19	207	119.6	110.1	129.1	71	44.1	38.0	50.1
20-24	216	130.5	120.4	140.7	84	57.1	49.9	64.2
25-34	422	118.3	111.7	124.8	182	56.3	51.6	61.1
35-44	540	144.4	137.3	151.4	324	89.2	83.5	94.8
45-54	600	179.8	171.5	188.2	517	155.7	148.0	163.5
55-64	497	260.0	246.8	273.3	606	309.6	295.3	323.9
65-69	275	441.2	410.9	471.5	381	558.4	525.8	590.9
70-74	352	689.2	647.4	731.0	626	1,030.3	983.7	1,077.0
75-79	457	1,209.4	1,145.4	1,273.5	1,014	1,933.3	1,864.9	2,001.6
80-84	521	2,163.0	2,056.3	2,269.8	1,337	3,515.3	3,408.0	3,622.7
85+	693	4,338.9	4,155.5	4,522.3	2,371	6,737.1	6,585.4	6,888.8

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H10. Injury hospitalizations and rates for selected injury categories by age and sex:
Colorado residents, 2001-2003 annual average, continued

Mechanism/Age Group	Male				Female			
	N	Crude Rate	Lower Limit	Upper Limit	N	Crude Rate	Lower Limit	Upper Limit
Suicide/self-inflicted								
< 1	0	0.0	0.0	0.0	0	0.0	0.0	0.0
1-4	0	0.0	0.0	0.0	0	0.0	0.0	0.0
5-9	0	0.2	0.0	0.6	1	0.4	0.0	1.1
10-14	25	15.2	11.6	18.7	75	47.9	41.6	54.3
15-19	150	86.4	78.4	94.5	258	160.1	148.7	171.5
20-24	147	89.0	80.6	97.4	186	126.6	116.0	137.2
25-34	237	66.3	61.4	71.2	333	102.8	96.4	109.2
35-44	245	65.6	60.8	70.4	346	95.2	89.4	101.1
45-54	153	46.0	41.7	50.2	223	67.2	62.1	72.4
55-64	47	24.6	20.4	28.7	55	28.3	23.9	32.6
65-69	12	18.7	12.2	25.2	13	19.6	13.3	25.9
70-74	9	17.6	10.7	24.6	10	15.9	9.8	22.0
75-79	5	14.1	6.8	21.5	10	18.4	11.4	25.4
80-84	5	22.1	10.6	33.7	4	11.4	4.8	18.0
85+	3	20.9	6.9	34.8	6	18.0	9.4	26.6
Assault/legal intervention								
< 1	33	94.2	75.1	113.3	18	53.4	38.6	68.3
1-4	13	9.8	6.5	13.0	7	5.9	3.3	8.5
5-9	4	2.7	1.1	4.3	3	1.8	0.4	3.1
10-14	17	10.5	7.6	13.5	7	4.5	2.5	6.5
15-19	141	81.4	73.6	89.3	24	14.9	11.3	18.4
20-24	199	120.1	110.3	129.8	31	20.8	16.5	25.2
25-34	258	72.2	67.0	77.3	52	16.0	13.4	18.5
35-44	217	58.0	53.5	62.5	56	15.3	13.0	17.7
45-54	106	31.7	28.1	35.2	26	7.9	6.1	9.7
55-64	23	12.2	9.3	15.1	10	4.9	3.1	6.8
65-69	5	8.0	3.7	12.3	2	2.4	0.1	4.8
70-74	4	7.8	3.1	12.6	2	3.3	0.4	6.2
75-79	2	6.2	1.2	11.2	4	8.3	3.5	13.1
80-84	2	9.7	1.8	17.6	2	6.1	1.2	11.1
85+	2	10.4	0.2	20.6	4	11.4	4.5	18.3
Total firearm-related								
< 1	0	0.0	0.0	0.0	0	0.0	0.0	0.0
1-4	1	0.5	0.0	1.2	0	0.0	0.0	0.0
5-9	0	0.0	0.0	0.0	0	0.2	0.0	0.7
10-14	9	5.5	3.3	7.6	2	1.5	0.3	2.7
15-19	43	24.8	20.5	29.2	6	3.9	2.1	5.8
20-24	56	34.0	28.8	39.3	5	3.6	1.7	5.5
25-34	71	19.9	17.2	22.6	8	2.6	1.5	3.6
35-44	31	8.3	6.6	10.0	10	2.7	1.6	3.7
45-54	20	6.1	4.5	7.7	3	1.0	0.3	1.7
55-64	7	3.7	2.0	5.3	2	1.0	0.1	1.9
65-69	3	4.3	1.0	7.5	0	0.0	0.0	0.0
70-74	3	5.2	1.3	9.2	0	0.5	0.0	1.6
75-79	2	4.4	0.1	8.7	0	0.0	0.0	0.0
80-84	1	2.8	0.0	6.7	0	0.0	0.0	0.0
85+	1	4.2	0.0	10.1	0	0.9	0.0	2.8

"Lower limit" and "Upper limit" describe the confidence interval for the age-specific rate.
 Transfer or multiple records of the same event were excluded. Rates are per 100,000 population.
 See Appendix F for the definitions of mechanism of injury and their associated ICD-9-CM codes.
 Total firearm-related hospitalizations include unintentional, intentional, and undetermined intent events.
 Data source: Colorado Health and Hospital Association.
 Prepared by the Injury Epidemiology Program, Colorado Department of Public Health and Environment.

H11. Leading causes of injury hospitalizations by age: Colorado residents, 2001-2003 total

All Ages		N	Rate	%
1	Fall	38,788	286.2	45.9
2	Motor vehicle traffic	13,080	96.5	15.5
3	Suicide/self-inflicted	7,679	56.7	9.1
4	Assault/legal Intervention	3,818	28.2	4.5
5	Poisoning	3,507	25.9	4.2

Age < 1		N	Rate	%
1	Assault/legal Intervention	151	74.3	30.4
2	Fall	137	67.4	27.6
3	Poisoning	42	20.7	8.5
4	Natural/environmental	29	14.3	5.8
5	Fire/burn	23	11.3	4.6

Ages 1-4		N	Rate	%
1	Fall	491	64.6	36.6
2	Poisoning	224	29.5	16.7
3	Motor vehicle traffic	132	17.4	9.9
4	Natural/environmental	128	16.8	9.6
5	Struck by or against	69	9.1	5.1

Ages 5-9		N	Rate	%
1	Fall	627	67.1	41.6
2	Motor vehicle traffic	290	31.0	19.2
3	Other road vehicle crashes	133	14.2	8.8
4	Struck by or against	111	11.9	7.4
5	Natural/environmental	94	10.1	6.2

Ages 10-14		N	Rate	%
1	Fall	652	67.7	27.4
2	Motor vehicle traffic	381	39.5	16.0
3	Suicide/self-inflicted	300	31.1	12.6
4	Other road vehicle crashes	228	23.7	9.6
5	Struck by or against	218	22.6	9.2

Ages 15-19		N	Rate	%
1	Motor vehicle traffic	1,736	173.1	29.9
2	Suicide/self-inflicted	1,223	121.9	21.0
3	Fall	834	83.2	14.3
4	Assault/legal intervention	495	49.4	8.5
5	Struck by or against	342	34.1	5.9

Ages 20-24		N	Rate	%
1	Motor vehicle traffic	1,718	183.1	30.1
2	Suicide/self-inflicted	1,001	106.7	17.6
3	Fall	900	95.9	15.8
4	Assault/legal intervention	688	73.3	12.1
5	Machinery/cutting instrument	239	25.5	4.2

Ages 25-34		N	Rate	%
1	Motor vehicle traffic	2,259	110.6	23.5
2	Fall	1,814	88.8	18.9
3	Suicide/self-inflicted	1,708	83.6	17.8
4	Assault/legal intervention	928	45.4	9.7
5	Poisoning	411	20.1	4.3

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H11. Leading causes of injury hospitalizations by age: Colorado residents, 2001-2003 total, continued

Ages 35-44		N	Rate	%
1	Fall	2,591	117.2	23.7
2	Motor vehicle traffic	2,129	96.3	19.4
3	Suicide/self-inflicted	1,773	80.2	16.2
4	Assault/legal intervention	818	37.0	7.5
5	Poisoning	584	26.4	5.3

Ages 45-54		N	Rate	%
1	Fall	3,351	167.8	33.2
2	Motor vehicle traffic	1,824	91.3	18.1
3	Suicide/self-inflicted	1,130	56.6	11.2
4	Poisoning	631	31.6	6.3
5	Other road vehicle crashes	530	26.5	5.3

Ages 55-64		N	Rate	%
1	Fall	3,311	285.1	49.6
2	Motor vehicle traffic	1,010	87.0	15.1
3	Poisoning	347	29.9	5.2
4	Other road vehicle crashes	314	27.0	4.7
5	Suicide/self-inflicted	307	26.4	4.6

Ages 65-74		N	Rate	%
1	Fall	4,900	674.1	66.7
2	Motor vehicle traffic	686	94.4	9.3
3	Poisoning	314	43.2	4.3
4	Natural/environmental	166	22.8	2.3
5	Struck by or against	160	22.0	2.2

Ages 75-84		N	Rate	%
1	Fall	9,988	2,184.7	80.8
2	Motor vehicle traffic	687	150.3	5.6
3	Poisoning	340	74.4	2.8
4	Struck by or against	189	41.3	1.5
4	Natural/environmental	174	38.1	1.4

Age 85+		N	Rate	%
1	Fall	9,192	5,988.1	90.2
2	Motor vehicle traffic	206	134.2	2.0
3	Struck by or against	120	78.2	1.2
4	Poisoning	104	67.8	1.0
5	Natural/environmental	75	48.9	0.7

Percentages are of total hospitalizations with mechanism of injury mentioned for each age group.

Rates are crude rates per 100,000 population.

See Appendix F for the definitions of mechanism of injury and their associated ICD-9-CM codes.

Data source: Colorado Health and Hospital Association.

Prepared by the Injury Epidemiology Program, Colorado Department of Public Health and Environment.

H12. Leading detailed causes of injury hospitalizations by age: Colorado residents, 2001-2003 total

All Ages		N	Rate	%
1	Unspecified fall	16,526	122.0	19.6
2	Fall on same level by slipping/tripping	13,514	99.7	16.0
3	Motor vehicle occupant	10,663	78.7	12.6
4	Suicide by solid/liquid drug overdose	6,229	46.0	7.4
5	Fall from stairs/steps	3,197	23.6	3.8
6	Motorcyclist	2,448	18.1	2.9
7	Striking against or by objects/persons	2,186	16.1	2.6
8	Overexertion	1,960	14.5	2.3
9	Bicyclist	1,597	11.8	1.9
10	Cutting/piercing instruments/objects	1,409	10.4	1.7

Age < 1		N	Rate	%
1	Child abuse	147	72.3	29.6
2	Unspecified fall	69	34.0	13.9
3	Fall from bed	27	13.3	5.4
4	Fall from stairs/steps	22	10.8	4.4
5	Motor vehicle occupant	21	10.3	4.2
5	Scalds/caustic substances/hot objects	21	10.3	4.2
7	Fall from chair/furniture (not bed)	14	6.9	2.8
8	Drowning, non-water transport related	12	5.9	2.4
9	Striking against or by objects/persons	10	4.9	2.0
10	Cutting/piercing instruments/objects	7	3.4	1.4
10	Dog bite	7	3.4	1.4

Ages 1-4		N	Rate	%
1	Unspecified fall	169	22.2	12.6
2	Motor vehicle occupant	103	13.6	7.7
3	Fall from bed	62	8.2	4.6
4	Fall from chair/furniture (not bed)	61	8.0	4.6
5	Fall on same level by slipping/tripping	60	7.9	4.5
6	Child abuse	54	7.1	4.0
6	Dog bite	54	7.1	4.0
8	Pedestrian	53	7.0	4.0
9	Scalds/caustic substances/hot objects	48	6.3	3.6
10	Fall from playground equipment	47	6.2	3.5

Ages 5-9		N	Rate	%
1	Motor vehicle occupant	214	22.9	14.2
2	Fall from playground equipment	211	22.6	14.0
3	Unspecified fall	206	22.0	13.7
4	Bicyclist	135	14.4	8.9
5	Fall on same level by slipping/tripping	100	10.7	6.6
6	Striking against or by objects/persons	96	10.3	6.4
7	Pedestrian	91	9.7	6.0
8	Cutting/piercing instruments/objects	64	6.8	4.2
9	Dog bite	43	4.6	2.8
10	Fall from stairs/steps	26	2.8	1.7

Ages 10-14		N	Rate	%
1	Motor vehicle occupant	308	32.0	12.9
2	Fall on same level by slipping/tripping	276	28.6	11.6
3	Suicide by solid/liquid drug overdose	223	23.1	9.4
4	Unspecified fall	217	22.5	9.1
5	Bicyclist	212	22.0	8.9
6	Striking against or by objects/persons	209	21.7	8.8
7	Motorcyclist	105	10.9	4.4
8	Fall from playground equipment	73	7.6	3.1
9	Pedestrian	67	7.0	2.8
10	Cutting/piercing instruments/objects	63	6.5	2.6
10	Animal being ridden	63	6.5	2.6

Ages 15-19		N	Rate	%
1	Motor vehicle occupant	1,607	160.2	27.6
2	Suicide by solid/liquid drug overdose	978	97.5	16.8
3	Fall on same level by slipping/tripping	334	33.3	5.7
4	Striking against or by objects/persons	317	31.6	5.5
5	Unspecified fall	302	30.1	5.2
6	Motorcyclist	196	19.5	3.4
7	Suicide by cutting/piercing	195	19.4	3.4
8	Assault, unarmed fight/brawl	145	14.5	2.5
9	Bicyclist	122	12.2	2.1
10	Assault by other/unspecified means	113	11.3	1.9

Ages 20-24		N	Rate	%
1	Motor vehicle occupant	1,437	153.2	25.2
2	Suicide by solid/liquid drug overdose	778	82.9	13.6
3	Fall on same level by slipping/tripping	367	39.1	6.4
4	Motorcyclist	304	32.4	5.3
5	Unspecified fall	297	31.7	5.2
6	Assault, unarmed fight/brawl	202	21.5	3.5
7	Striking against or by objects/persons	178	19.0	3.1
7	Suicide by cutting/piercing	178	19.0	3.1
7	Assault by stabbing	178	19.0	3.1
10	Cutting/piercing instruments/objects	163	17.4	2.9

Ages 25-34		N	Rate	%
1	Motor vehicle occupant	1,796	88.0	18.7
2	Suicide by solid/liquid drug overdose	1,391	68.1	14.5
3	Fall on same level by slipping/tripping	636	31.1	6.6
4	Unspecified fall	600	29.4	6.2
5	Motorcyclist	560	27.4	5.8
6	Striking against or by objects/persons	297	14.5	3.1
7	Assault, unarmed fight/brawl	287	14.1	3.0
8	Cutting/piercing instruments/objects	277	13.6	2.9
9	Assault by other/unspecified means	243	11.9	2.5
10	Suicide by cutting/piercing	228	11.2	2.4
10	Overexertion	228	11.2	2.4

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H12. Leading detailed causes of injury hospitalizations by age: Colorado residents, 2001-2003 total, continued

Ages 35-44		N	Rate	%
1	Motor vehicle occupant	1,548	70.0	14.1
2	Suicide by solid/liquid drug overdose	1,467	66.3	13.4
3	Unspecified fall	950	43.0	8.7
4	Fall on same level by slipping/tripping	782	35.4	7.1
5	Motorcyclist	594	26.9	5.4
6	Overexertion	339	15.3	3.1
7	Fall from stairs/steps	318	14.4	2.9
8	Striking against or by objects/persons	282	12.8	2.6
9	Bicyclist	280	12.7	2.6
10	Assault by other/unspecified means	277	12.5	2.5

Ages 45-54		N	Rate	%
1	Motor vehicle occupant	1,308	65.5	13.0
2	Unspecified fall	1,194	59.8	11.8
3	Fall on same level by slipping/tripping	1,106	55.4	11.0
4	Suicide by solid/liquid drug overdose	951	47.6	9.4
5	Motorcyclist	456	22.8	4.5
6	Fall from stairs/steps	433	21.7	4.3
6	Overexertion	308	15.4	3.1
8	Fall from ladders/scaffolding	302	15.1	3.0
9	Animal being ridden	288	14.4	2.9
10	Bicyclist	282	14.1	2.8

Ages 55-64		N	Rate	%
1	Unspecified fall	1,241	106.9	18.6
2	Fall on same level by slipping/tripping	1,170	100.8	17.5
3	Motor vehicle occupant	796	68.5	11.9
4	Fall from stairs/steps	389	33.5	5.8
5	Suicide by solid/liquid drug overdose	262	22.6	3.9
6	Fall from ladders/scaffolding	246	21.2	3.7
7	Overexertion	199	17.1	3.0
8	Animal being ridden	171	14.7	2.6
9	Motorcyclist	162	14.0	2.4
10	Bicyclist	150	12.9	2.2

Ages 65-74		N	Rate	%
1	Unspecified fall	2,082	286.4	28.3
2	Fall on same level by slipping/tripping	1,777	244.5	24.2
3	Motor vehicle occupant	638	87.8	8.7
4	Fall from stairs/steps	500	68.8	6.8
5	Overexertion	222	30.5	3.0
6	Fall from ladders/scaffolding	197	27.1	2.7
7	Striking against or by objects/persons	137	18.8	1.9
8	Fall from bed	116	16.0	1.6
9	Fall from chair/furniture (not bed)	102	14.0	1.4
10	Suicide by solid/liquid drug overdose	101	13.9	1.4

Ages 75-84		N	Rate	%
1	Unspecified fall	4,620	1,010.6	37.4
2	Fall on same level by slipping/tripping	3,640	796.2	29.5
3	Fall from stairs/steps	777	170.0	6.3
4	Motor vehicle occupant	670	146.6	5.4
5	Fall from bed	342	74.8	2.8
6	Overexertion	270	59.1	2.2
7	Fall from chair/furniture (not bed)	237	51.8	1.9
8	Striking against or by objects/persons	156	34.1	1.3
9	Fall from wheelchair	137	30.0	1.1
10	Fall from ladders/scaffolding	121	26.5	1.0

Age 85+		N	Rate	%
1	Unspecified fall	4,579	2,983.0	44.9
2	Fall on same level by slipping/tripping	3,263	2,125.7	32.0
3	Fall from bed	427	278.2	4.2
4	Fall from stairs/steps	378	246.2	3.7
5	Fall from chair/furniture (not bed)	222	144.6	2.2
6	Motor vehicle occupant	217	141.4	2.1
7	Fall from wheelchair	160	104.2	1.6
8	Overexertion	137	89.2	1.3
9	Striking against or by objects/persons	114	74.3	1.1
10	Fall from commode	100	65.1	1.0

Percentages are of total hospitalizations with mechanism of injury mentioned for each age group.

Rates are crude rates per 100,000 population.

See Appendix F for the definitions of mechanism of injury and their associated ICD-9-CM codes.

Data source: Colorado Health and Hospital Association.

Prepared by the Injury Epidemiology Program, Colorado Department of Public Health and Environment.

H13. Injury hospitalizations by patient discharge status: Colorado occurrences, 2001-2003 annual average

Mechanism of Injury	Total		Home/ Self-care		Short Term Hospitals		Skilled Nursing Home		Intermediate Care/ Other Facility	
	N	%	N	%	N	%	N	%	N	%
Total injury hospitalizations	31,181	100.0	20,452	65.6	379	1.2	5,450	17.5	2,818	9.0
Hospitalizations with mechanism mentioned	30,517	100.0	20,006	65.6	365	1.2	5,346	17.5	2,770	9.1
Total unintentional injury	26,328	100.0	17,182	65.3	251	1.0	5,281	20.1	1,799	6.8
Transportation	6,620	100.0	5,272	79.6	70	1.1	297	4.5	454	6.9
Motor vehicle traffic	4,880	100.0	3,736	76.6	56	1.1	242	5.0	391	8.0
Other transportation	1,741	100.0	1,536	88.2	14	0.8	55	3.2	63	3.6
Drowning/submersion	43	100.0	35	81.4	0	0.0	0	0.0	1	2.3
Poisoning	1,219	100.0	982	80.6	16	1.3	71	5.8	90	7.4
Fall	14,059	100.0	7,182	51.1	123	0.9	4,609	32.8	1,080	7.7
Fire/burn	339	100.0	270	79.6	9	2.7	23	6.8	16	4.7
Natural/environmental	776	100.0	672	86.6	6	0.8	36	4.6	30	3.9
Struck by or against	1,016	100.0	872	85.8	8	0.8	55	5.4	43	4.2
Machinery/cutting instrument	694	100.0	644	92.8	4	0.6	15	2.2	18	2.6
Other unintentional	2,048	100.0	1,592	77.7	23	1.1	236	11.5	105	5.1
Total intentional injury	3,922	100.0	2,629	67.0	108	2.8	55	1.4	941	24.0
Suicide/self-Inflicted	2,614	100.0	1,504	57.5	97	3.7	33	1.3	870	33.3
Drug overdose	2,117	100.0	1,160	54.8	87	4.1	24	1.1	778	36.8
Assault/legal intervention	1,322	100.0	1,134	85.8	12	0.9	22	1.7	75	5.7
Total undetermined intent	414	100.0	286	69.1	11	2.7	17	4.1	62	15.0
Total firearm-related	299	100.0	222	74.2	2	0.7	6	2.0	26	8.7

Mechanism of Injury	Left Against Medical Advice		Hospice		Rehabilitation Facility		Long Term Care Hospital		Died		Unknown
	N	%	N	%	N	%	N	%	N	%	N
Total injury hospitalizations	208	0.7	91	0.3	923	3.0	117	0.4	651	2.1	93
Hospitalizations with mechanism mentioned	205	0.7	87	0.3	904	3.0	113	0.4	631	2.1	90
Total unintentional injury	130	0.5	83	0.3	880	3.3	104	0.4	537	2.0	80
Transportation	29	0.4	1	0.0	292	4.4	45	0.7	150	2.3	10
Motor vehicle traffic	24	0.5	0	0.0	245	5.0	41	0.8	136	2.8	8
Other transportation	5	0.3	1	0.1	47	2.7	4	0.2	14	0.8	2
Drowning/submersion	0	0.0	0	0.0	0	0.0	0	0.0	7	16.3	0
Poisoning	26	2.1	3	0.2	8	0.7	1	0.1	21	1.7	2
Fall	40	0.3	74	0.5	532	3.8	51	0.4	313	2.2	55
Fire/burn	4	1.2	1	0.3	6	1.8	1	0.3	10	2.9	1
Natural/environmental	7	0.9	2	0.3	8	1.0	2	0.3	11	1.4	2
Struck by or against	6	0.6	1	0.1	14	1.4	3	0.3	14	1.4	1
Machinery/cutting instrument	6	0.9	0	0.0	4	0.6	0	0.0	3	0.4	1
Other unintentional	19	0.9	4	0.2	34	1.7	2	0.1	25	1.2	8
Total intentional injuries	63	1.6	2	0.1	25	0.6	9	0.2	78	2.0	11
Suicide/self-Inflicted	33	1.3	1	0.0	11	0.4	4	0.2	52	2.0	9
Drug overdose	28	1.3	1	0.0	8	0.4	2	0.1	20	1.0	9
Assault/legal intervention	30	2.3	1	0.1	14	1.1	5	0.4	26	2.0	1
Total undetermined intent	15	3.6	2	0.5	2	0.5	0	0.0	19	4.6	0
Total firearm-related	2	0.7	0	0.0	4	1.3	1	0.3	34	11.4	1

Because each event may have more than one hospitalization records, discharge status of the last record of the event was used.

Percntages are of total hospitalizations by mechanism of injury category.

Transfer or multiple records of the same event were excluded.

Sums may not add to total due to cases with more than one mechanism of injury reported.

Home/self-care category includes home/self care, home health, and home IV service.

See Appendix F for the definitions of mechanism of injury and their associated ICD-9-CM codes.

Total firearm-related hospitalizations include unintentional, intentional, and undetermined intent events.

Data source: Colorado Health and Hospital Association. Prepared by the Injury Epidemiology Program, Colorado Department of Public Health and Environment.

H14. Injury hospitalizations by place of injury¹: Colorado occurrences, 2001-2003 annual average

Mechanism of Injury	Total	Total with Place of Injury Reported		Home		Farm/Mine		Industrial Place	
	N	N	%	N	%	N	%	N	%
Total Injury Hospitalizations	31,181	21,654	100.0	9,457	43.7	87	0.4	619	2.9
Hospitalizations with mechanism mentioned	30,517	21,449	100.0	9,419	43.9	86	0.4	615	2.9
Total unintentional injury	26,328	19,216	100.0	7,846	40.8	86	0.4	601	3.1
Transportation	6,620	4,839	100.0	115	2.4	23	0.5	23	0.5
Motor vehicle traffic	4,880	3,818	100.0	22	0.6	1	0.0	5	0.1
Other transportation	1,741	1,021	100.0	94	9.2	22	2.2	17	1.7
Drowning/submersion	43	37	100.0	14	37.8	0	0.0	0	0.0
Poisoning	1,219	741	100.0	586	79.1	1	0.1	11	1.5
Fall	14,059	11,016	100.0	6,120	55.6	21	0.2	280	2.5
Fire/Burn	339	254	100.0	168	66.1	0	0.0	21	8.3
Natural/environmental	776	440	100.0	230	52.3	19	4.3	11	2.5
Struck by or against	1,016	801	100.0	195	24.3	10	1.2	77	9.6
Machinery/cutting instrument	694	445	100.0	178	40.0	11	2.5	129	29.0
Other unintentional	2,048	1,017	100.0	396	38.9	4	0.4	66	6.5
Total intentional injury	3,922	2,109	100.0	1,466	69.5	0	0.0	14	0.7
Suicide/self-Inflicted	2,614	1,485	100.0	1,288	86.7	0	0.0	6	0.4
Assault/legal intervention	1,322	633	100.0	184	29.1	0	0.0	8	1.3
Total undetermined intent	414	212	100.0	152	71.7	0	0.0	1	0.5
Total firearm-related	299	171	100.0	74	43.3	0	0.0	2	1.2

Mechanism of Injury	Recreation/Sport		Street/Highway		Public Building		Residential Institution		Other Specified	
	N	%	N	%	N	%	N	%	N	%
Total Injury Hospitalizations	2,241	10.3	3,996	18.5	814	3.8	2,352	10.9	2,088	9.6
Hospitalizations with mechanism mentioned	2,239	10.4	3,986	18.6	811	3.8	2,213	10.3	2,080	9.7
Total unintentional injury	2,216	11.5	3,928	20.4	675	3.5	2,083	10.8	1,781	9.3
Transportation	366	7.6	3,745	77.4	26	0.5	69	1.4	472	9.8
Motor vehicle traffic	20	0.5	3,602	94.3	9	0.2	54	1.4	105	2.8
Other transportation	346	33.9	142	13.9	18	1.8	15	1.5	367	35.9
Drowning/submersion	14	37.8	1	2.7	1	2.7	1	2.7	6	16.2
Poisoning	6	0.8	7	0.9	14	1.9	74	10.0	42	5.7
Fall	1,339	12.2	148	1.3	530	4.8	1,698	15.4	880	8.0
Fire/Burn	7	2.8	9	3.5	9	3.5	15	5.9	25	9.8
Natural/environmental	37	8.4	19	4.3	11	2.5	15	3.4	98	22.3
Struck by or against	346	43.2	9	1.1	40	5.0	43	5.4	81	10.1
Machinery/cutting instrument	13	2.9	4	0.9	18	4.0	26	5.8	66	14.8
Other unintentional	141	13.9	24	2.4	38	3.7	192	18.9	156	15.3
Total intentional injury	21	1.0	65	3.1	129	6.1	125	5.9	289	13.7
Suicide/self-Inflicted	5	0.3	16	1.1	31	2.1	68	4.6	71	4.8
Assault/legal intervention	16	2.5	49	7.7	100	15.8	58	9.2	218	34.4
Total undetermined intent	3	1.4	5	2.4	10	4.7	16	7.5	25	11.8
Total firearm-related	5	2.9	17	9.9	13	7.6	7	4.1	53	31.0

1. Place of injury was determined based on the E849 code.
 Transfer or multiple records of the same event were excluded.
 Percentages are of total hospitalizations of each mechanism of injury with place of injury reported.
 Sums may not add to total due to cases with more than one mechanism of injury reported.
 See Appendix F for the definitions of mechanism of injury and their associated ICD-9-CM codes.
 Total firearm-related hospitalizations include unintentional, intentional, and undetermined intent events.
 Data source: Colorado Health and Hospital Association.
 Prepared by the Injury Epidemiology Program, Colorado Department of Public Health and Environment.

H15. Injury hospitalizations by detailed mechanism of injury: Colorado occurrences, 1996-2003

Mechanism of Injury	1996	1997	1998	1999	2000	2001	2002	2003	2001-2003 Average
Total injury hospitalizations	29,296	29,862	29,922	29,642	30,721	31,070	31,487	30,985	31,181
Hospitalizations with mechanism mentioned	28,186	28,957	29,103	28,923	30,013	30,460	30,845	30,247	30,517
Total unintentional injury	24,376	25,229	25,241	25,139	26,082	26,240	26,657	26,088	26,328
Transportation	6,359	6,559	6,519	6,471	6,780	6,575	6,895	6,391	6,620
Motor vehicle traffic	4,960	5,146	5,023	4,973	5,087	4,828	5,150	4,661	4,880
Motor vehicle occupant	3,833	4,027	3,852	3,802	3,909	3,669	3,879	3,436	3,661
Motorcyclist	520	512	550	573	586	612	717	682	670
Bicyclist	96	121	115	128	118	107	112	112	110
Pedestrian	469	448	482	453	439	401	416	406	408
Motor vehicle non-traffic	460	470	502	526	667	704	710	748	721
Motor vehicle occupant	194	211	245	252	313	351	382	362	365
Motorcyclist	120	126	149	146	218	222	205	265	231
Bicyclist	3	3	4	6	3	6	6	5	6
Pedestrian	52	34	38	45	42	41	46	39	42
Snowmobile driver/passenger	56	54	40	53	51	54	43	48	48
Other road vehicle crashes	794	819	853	825	902	932	923	888	914
Bicyclist	413	437	451	447	476	487	464	467	473
Animal being ridden	343	357	368	356	403	421	426	394	414
Railway	12	14	15	13	7	9	11	10	10
Water transport	30	33	40	35	30	31	33	28	31
Air and space transport	45	38	52	55	40	38	38	26	34
Other transport related	58	40	35	46	48	34	30	30	31
Drowning	39	36	42	39	28	47	48	35	43
Water transport related	4	3	6	2	3	3	2	2	2
Non-water transport related	35	33	36	37	25	44	46	33	41
Recreational	16	7	7	4	8	9	11	8	9
Bathtub	5	5	8	7	4	7	11	6	8
Poisoning	990	1,045	1,057	1,157	1,104	1,167	1,182	1,307	1,219
Heroin/opiates/narcotics	94	128	128	163	187	207	212	258	226
Aspirin	45	35	36	34	36	44	33	43	40
Barbiturates	22	19	18	20	14	22	15	15	17
Tranquilizers	117	115	141	151	143	174	156	176	169
Other psychotropic agents	166	168	153	177	157	159	148	221	176
Alcohol	104	119	127	142	93	105	84	104	98
Carbon monoxide	23	36	26	35	42	24	27	30	27
Fall	12,309	12,707	12,818	12,980	13,457	13,898	14,162	14,116	14,059
From stairs/steps	807	864	887	941	1,054	1,090	1,138	1,229	1,152
From ladders/scaffolding	405	419	465	487	459	455	473	470	466
From building/structure	272	265	291	312	253	255	245	241	247
Into a swimming pool	13	13	8	6	10	12	13	11	12
Into a well/manhole/hole	29	28	34	27	32	35	30	31	32
From playground equipment	118	96	89	110	106	128	128	114	123
From cliff	66	65	57	54	69	49	53	45	49
From chair/furniture (not bed)	277	203	243	239	246	278	297	296	290
From wheelchair	117	111	143	136	154	166	159	153	159
From bed	311	329	324	347	392	377	374	419	390
From commode	54	69	72	77	69	71	85	99	85
On same level, by slipping, tripping, or stumbling	4,341	4,789	4,700	4,433	4,779	5,298	5,224	5,122	5,215
Roller skates, in-line skates*	—	—	—	—	—	70	48	50	56
Skateboard*	—	—	—	—	—	81	107	71	86
Skis*	—	—	—	—	—	665	693	602	653
Snowboard*	—	—	—	—	—	265	259	245	256

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H15. Injury hospitalizations by detailed mechanism of injury: Colorado occurrences, 1996-2003, continued

Mechanism of Injury	1996	1997	1998	1999	2000	2001	2002	2003	2001-2003 Average
On same level by collision, pushing, shoving, by or with other person (including in sports)	245	193	163	117	120	104	96	92	97
Other unspecified fall	5,262	5,272	5,357	5,709	5,729	5,602	5,861	5,803	5,755
Fire/burn	335	384	350	341	340	336	372	310	339
Fire/burn due to flames	148	182	162	164	150	179	208	164	184
House fires	21	30	44	38	30	37	41	47	42
From ignition of clothing	8	11	11	8	7	10	13	11	11
Scalds/caustic substances/hot objects	187	205	188	177	191	157	165	146	156
Natural/environmental	620	663	588	649	706	756	789	782	776
Excessive cold (weather)	79	80	68	67	79	100	111	85	99
Venomous snakes/lizards	31	20	22	15	26	40	29	27	32
Venomous spiders	37	41	34	32	41	45	58	34	46
Hornet, wasps, bees	26	19	20	35	31	26	20	24	23
Dog bite	106	124	104	113	129	118	133	120	124
Cat/rodent (except rat) bite	70	71	90	88	88	121	101	113	112
Other animal-related Injury, not being ridden	132	100	86	131	119	104	120	156	127
Lightning	12	13	11	15	6	14	6	13	11
Struck by or against	1,002	1,122	1,148	1,079	1,091	1,024	1,035	989	1,016
Struck by falling object	184	199	219	190	167	182	175	175	177
Striking against or by objects/ persons (including in sports)	834	938	937	891	931	848	862	820	843
Machinery/cutting instrument	708	769	815	784	814	723	690	670	694
Machinery	204	233	258	247	261	224	201	178	201
Agricultural machines	26	33	33	23	33	17	12	16	15
Lifting machines	29	38	34	33	38	48	33	34	38
Woodworking/forming machines	46	40	51	58	63	46	55	37	46
Cutting and piercing instruments	504	536	557	537	555	500	489	492	494
Powered lawn mower	25	10	16	19	11	10	10	6	9
Powered hand tools	61	70	60	82	73	75	70	72	72
Knives, swords, daggers	53	55	64	55	60	48	45	54	49
Other hand tools/implements	365	401	417	381	411	367	364	360	364
Other unintentional	2,300	2,272	2,298	2,044	2,172	2,122	2,013	2,008	2,048
Aspiration/suffocation	22	24	26	28	28	24	34	42	33
Foreign body	42	38	46	41	63	50	39	56	48
Caught in or between objects	87	106	87	99	113	74	83	105	87
Firearms/airguns	127	100	95	83	77	77	82	73	77
Handgun	52	51	37	43	34	30	37	30	32
Shotgun	11	6	8	3	8	6	8	4	6
Rifle	13	5	10	13	3	4	9	7	7
Airgun	0	3	15	8	15	15	3	8	9
Unspecified	51	35	25	16	17	22	25	22	23
Electric current	45	41	52	44	47	37	36	23	32
Overexertion	889	850	805	784	801	753	684	671	703
Other unspecified injury	1,088	1,113	1,188	966	1,044	1,108	1,054	1,033	1,065
Total intentional injury	3,716	3,551	3,702	3,655	3,676	3,916	3,931	3,919	3,922
Suicide/self-inflicted	2,468	2,355	2,428	2,406	2,467	2,646	2,585	2,610	2,614
Solid/liquid drug overdose	1,995	1,968	1,940	1,947	1,973	2,102	2,141	2,109	2,117
Gas	53	45	44	39	29	34	29	30	31
Motor vehicle exhaust	40	38	36	33	24	27	20	23	23
Hanging/suffocation	25	28	34	27	26	31	37	30	33

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H15. Injury hospitalizations by detailed mechanism of injury: Colorado occurrences, 1996-2003, continued

Mechanism of Injury	1996	1997	1998	1999	2000	2001	2002	2003	2001-2003
									Average
Firearms/airguns	62	42	52	49	50	47	41	56	48
Handgun	40	25	29	32	31	23	28	44	32
Shotgun	6	4	7	2	7	5	3	4	4
Rifle	5	6	5	5	5	6	2	0	3
Airgun	0	0	2	1	0	1	1	1	1
Unspecified	11	7	9	9	7	12	7	7	9
Cutting/piercing	298	255	319	323	343	393	311	360	355
Jumping from high place	12	14	17	9	19	24	16	17	19
Other or unspecified means	73	59	74	63	81	74	64	60	66
Assault	1,234	1,178	1,252	1,240	1,188	1,242	1,313	1,281	1,279
Unarmed fight/brawl	347	293	381	352	380	405	383	391	393
Firearms	150	122	135	154	112	138	171	168	159
Handgun	76	59	61	61	55	84	97	93	91
Shotgun	11	3	10	9	8	5	14	9	9
Rifle	4	6	0	2	0	1	1	1	1
Unspecified	60	54	64	82	49	48	59	65	57
By stabbing	253	228	241	232	236	260	246	256	254
Child/adult abuse	92	137	149	159	140	140	154	145	146
Other or unspecified means	395	414	372	359	349	326	374	346	349
Legal intervention	23	27	30	22	28	37	45	49	44
Firearms	6	7	12	6	9	8	11	11	10
Total undetermined intent	222	316	281	272	402	456	401	386	414
Poisoning by solids/liquids	132	202	175	195	316	348	307	326	327
Poisoning by gases	6	6	5	7	3	4	4	3	4
Hanging/strangulation/suffocation/drowning	1	3	5	6	4	2	0	3	2
Firearms/airguns	14	22	16	15	16	14	17	13	15
Cutting/piercing	6	13	26	9	13	11	8	7	9
Other or unspecified means	64	70	54	40	50	77	66	34	59

* Full year of data were not available before 2001.

Transfer or multiple records of the same event were excluded.

Sums may not add to total due to cases with more than one mechanism of injury reported.

See Appendix F for the definitions of mechanism of injury and their associated ICD-9-CM codes.

Data source: Colorado Health and Hospital Association.

Prepared by the Injury Epidemiology Program, Colorado Department of Public Health and Environment.

**H16. Injury hospitalizations, crude rates and age-adjusted rates by detailed mechanism of injury and sex:
Colorado residents, 2001-2003 annual average**

Mechanism of Injury	Total			Male			Female			Sig. Diff.	M/F Ratio
	N	Crude Rate	Adj. Rate	N	Crude Rate	Adj. Rate	N	Crude Rate	Adj. Rate		
Total injury hospitalizations	28,772	637.0	694.0	14,499	637.5	709.0	14,273	636.4	652.0	+	1.0
Hospitalizations with mechanism mentioned	28,151	623.2	678.7	14,203	624.5	693.0	13,948	621.9	637.1	+	1.0
Total unintentional injury	24,078	533.0	591.6	12,021	528.5	602.1	12,057	537.6	554.1	+	1.0
Transportation	5,876	130.1	130.0	3,683	161.9	161.6	2,193	97.8	98.0	+	1.7
Motor vehicle traffic	4,360	96.5	96.5	2,635	115.9	115.7	1,725	76.9	77.1	+	1.5
Motor vehicle occupant	3,237	71.7	72.1	1,777	78.1	78.9	1,460	65.1	65.4	+	1.2
Motorcyclist	599	13.3	12.7	501	22.0	20.9	99	4.4	4.3	+	5.1
Bicyclist	107	2.4	2.3	89	3.9	3.8	18	0.8	0.8	+	4.9
Pedestrian	389	8.6	8.7	247	10.9	11.1	142	6.3	6.4	+	1.7
Motor vehicle non-traffic	636	14.1	14.1	503	22.1	21.9	133	5.9	6.0	+	3.8
Motor vehicle occupant	317	7.0	7.2	223	9.8	10.1	95	4.2	4.3	+	2.3
Motorcyclist	217	4.8	4.6	202	8.9	8.4	15	0.7	0.7	+	13.5
Bicyclist	5	0.1	0.1	3	0.1	0.1	1	0.1	0.1	+	3.0
Pedestrian	38	0.8	0.9	26	1.1	1.2	13	0.6	0.6	+	2.0
Snowmobile driver/passenger	31	0.7	0.7	26	1.2	1.1	5	0.2	0.2	+	5.2
Other road vehicle crashes	799	17.7	17.6	489	21.5	21.5	310	13.8	13.7	+	1.6
Bicyclist	420	9.3	9.3	319	14.0	13.9	101	4.5	4.5	+	3.2
Animal being ridden	352	7.8	7.7	153	6.7	6.9	199	8.9	8.7	-	0.8
Railway	6	0.1	0.1	5	0.2	0.2	1	0.1	0.1	+	5.0
Water transport	25	0.6	0.5	16	0.7	0.7	9	0.4	0.4		1.8
Air and space transport	26	0.6	0.6	21	0.9	0.9	5	0.2	0.2	+	4.2
Other transport related	25	0.5	0.6	14	0.6	0.6	10	0.5	0.5		1.4
Drowning	38	0.8	0.8	23	1.0	1.0	15	0.7	0.7		1.5
Water transport related	1	0.0	0.0	0	0.0	0.0	1	0.0	0.0		0.0
Non-water transport related	38	0.8	0.8	23	1.0	1.0	15	0.7	0.7		1.5
Recreational	8	0.2	0.2	6	0.2	0.2	3	0.1	0.1		2.0
Bathtub	8	0.2	0.2	3	0.1	0.1	5	0.2	0.2		0.6
Poisoning	1,169	25.9	26.7	551	24.2	25.4	618	27.5	27.8		0.9
Heroin/opiates/narcotics	216	4.8	4.9	96	4.2	4.3	120	5.4	5.3	-	0.8
Aspirin	38	0.8	0.9	11	0.5	0.5	27	1.2	1.2	-	0.4
Barbiturates	16	0.4	0.4	7	0.3	0.3	9	0.4	0.4		0.8
Tranquilizers	160	3.5	3.6	66	2.9	3.0	94	4.2	4.2	-	0.7
Other psychotropic agents	168	3.7	3.7	91	4.0	3.9	77	3.4	3.4		1.2
Alcohol	91	2.0	2.0	58	2.6	2.5	33	1.5	1.4	+	1.8
Carbon monoxide	26	0.6	0.6	14	0.6	0.7	12	0.5	0.6		1.2
Fall	12,929	286.2	340.6	5,184	227.9	296.2	7,746	345.4	360.4	-	0.7
From stairs/steps	1,066	23.6	27.0	382	16.8	21.1	684	30.5	31.7	-	0.6
From ladders/scaffolding	449	9.9	10.4	366	16.1	17.5	83	3.7	3.7	+	4.4
From building/structure	233	5.2	5.0	197	8.7	8.4	36	1.6	1.6	+	5.5
Into a swimming pool	10	0.2	0.2	7	0.3	0.3	3	0.1	0.1	+	2.3
Into a well/manhole/hole	30	0.7	0.7	15	0.6	0.7	15	0.7	0.7		1.0
From playground equipment	120	2.7	2.7	66	2.9	2.9	54	2.4	2.5		1.2
From cliff	36	0.8	0.8	28	1.2	1.2	8	0.4	0.4	+	3.5
From chair/furniture (not bed)	282	6.3	7.6	93	4.1	5.7	189	8.4	8.8	-	0.5
From wheelchair	155	3.4	4.3	54	2.4	3.5	101	4.5	4.7	-	0.5
From bed	381	8.4	10.6	131	5.8	8.8	250	11.1	11.6	-	0.5
From commode	82	1.8	2.3	21	0.9	1.4	61	2.7	2.8	-	0.3
On same level, by slipping, tripping, or stumbling	4,505	99.7	119.4	1,621	71.3	93.7	2,884	128.6	134.2	-	0.6

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H16. Injury hospitalizations by detailed mechanism of injury and sex:
Colorado residents, 2001-2003 annual average, continued

Mechanism of Injury	Total			Male			Female			Sig. Diff.	M/F Ratio
	N	Crude Rate	Adj. Rate	N	Crude Rate	Adj. Rate	N	Crude Rate	Adj. Rate		
(Fall, continued)											
Roller skates, in-line skates	52	1.1	1.1	28	1.2	1.2	24	1.1	1.0		1.2
Skateboard	80	1.8	1.7	72	3.2	3.1	7	0.3	0.3	+	10.3
Skis	235	5.2	5.1	154	6.8	6.7	80	3.6	3.5	+	1.9
Snowboard	177	3.9	3.8	135	6.0	5.5	41	1.8	1.8	+	3.3
On same level by collision, pushing, shoving, by or with other person (including in sports)	86	1.9	2.1	50	2.2	2.3	36	1.6	1.7		1.4
Other unspecified fall	5,509	122.0	148.1	2,159	94.9	128.9	3,350	149.4	156.2	-	0.6
Fire/burn	311	6.9	7.0	202	8.9	9.1	109	4.9	4.9	+	1.9
Fire/burn due to flames	163	3.6	3.7	117	5.2	5.3	46	2.0	2.0	+	2.5
House fires	38	0.8	0.8	22	1.0	1.0	16	0.7	0.7		1.4
From ignition of clothing	9	0.2	0.2	5	0.2	0.2	4	0.2	0.2		1.3
Scalds/caustic substances /hot objects	149	3.3	3.4	85	3.7	3.9	64	2.8	2.9	+	1.3
Natural/environmental	720	15.9	16.4	394	17.3	18.2	325	14.5	14.6	+	1.2
Excessive cold (weather)	91	2.0	2.1	69	3.0	3.2	23	1.0	1.0	+	3.0
Venomous snakes/lizards	29	0.6	0.6	23	1.0	1.0	6	0.3	0.3	+	3.8
Venomous spiders	43	0.9	0.9	24	1.1	1.1	18	0.8	0.8		1.3
Hornet, wasps, bees	23	0.5	0.5	15	0.7	0.7	8	0.3	0.4	+	1.9
Dog bite	118	2.6	2.6	63	2.8	2.8	55	2.5	2.5		1.1
Cat/rodent (except rat) bite	108	2.4	2.5	33	1.5	1.6	75	3.3	3.3	-	0.4
Other animal-related injury, not being ridden	117	2.6	2.7	59	2.6	2.8	57	2.6	2.6		1.0
Lightning	8	0.2	0.2	6	0.3	0.2	2	0.1	0.1		3.0
Struck by or against	889	19.7	20.2	642	28.2	28.5	247	11.0	11.3	+	2.6
Struck by falling object	165	3.7	3.7	130	5.7	5.7	35	1.6	1.6	+	3.7
Striking against or by objects/ persons (including in sports)	729	16.1	16.7	515	22.6	23.0	214	9.5	9.8	+	2.4
Machinery/cutting instrument	636	13.9	13.7	536	23.6	23.2	120	5.4	5.3	+	4.5
Machinery	187	4.1	4.0	173	7.6	7.4	14	0.6	0.6	+	12.4
Agricultural machines	12	0.3	0.3	11	0.5	0.5	2	0.1	0.1	+	5.5
Lifting machines	36	0.8	0.8	34	1.5	1.4	2	0.1	0.1	+	17.0
Woodworking/forming machines	45	1.0	1.0	42	1.8	1.9	3	0.1	0.1	+	14.0
Cutting and piercing instruments	470	10.4	10.3	363	16.0	15.8	107	4.8	4.7	+	3.4
Powered lawn mower	9	0.2	0.2	7	0.3	0.3	1	0.1	0.1	+	7.0
Powered hand tools	69	1.5	1.5	67	2.9	2.9	2	0.1	0.1	+	33.5
Knives, swords, daggers	46	1.0	1.0	38	1.7	1.6	8	0.4	0.4	+	4.8
Other hand tools/implements	346	7.7	7.6	251	11.0	11.0	96	4.3	4.3	+	2.6
Other unintentional	1,890	41.2	44.3	1,061	46.6	51.0	862	38.4	39.3	+	1.2
Aspiration/suffocation	32	0.7	0.8	21	0.9	1.1	11	0.5	0.5	+	1.9
Foreign body	44	1.0	1.0	29	1.3	1.4	16	0.7	0.7	+	1.8
Caught in or between objects	82	1.8	1.8	58	2.6	2.6	24	1.1	1.1	+	2.4
Firearms/airguns	73	1.6	1.6	62	2.7	2.6	11	0.5	0.5	+	5.6
Handgun	30	0.7	0.7	26	1.1	1.1	5	0.2	0.2	+	5.2
Shotgun	6	0.1	0.1	4	0.2	0.2	2	0.1	0.1	+	2.0
Rifle	6	0.1	0.1	6	0.2	0.2	0	0.0	0.0	+	—
Airgun	8	0.2	0.2	7	0.3	0.3	2	0.1	0.1	+	3.5
Unspecified	21	0.5	0.5	19	0.8	0.8	3	0.1	0.1	+	6.3
Electric current	30	0.7	0.6	28	1.2	1.1	2	0.1	0.1	+	14.0
Overexertion	653	14.5	15.5	323	14.2	15.2	330	14.7	15.1		1.0
Other unspecified injury	1,007	22.3	24.3	539	23.7	26.9	468	20.9	21.4	+	1.2

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H16. Injury hospitalizations by detailed mechanism of injury and sex:
Colorado residents, 2001-2003 annual average, continued

Mechanism of Injury	Total			Male			Female			Sig. Diff.	M/F Ratio
	N	Crude Rate	Adj. Rate	N	Crude Rate	Adj. Rate	N	Crude Rate	Adj. Rate		
Total intentional injury	3,819	84.6	81.5	2,060	90.6	85.7	1,759	78.4	77.1	+	1.2
Suicide/self-inflicted	2,560	56.7	54.7	1,039	45.7	43.6	1,520	67.8	66.7	-	0.7
Solid/liquid drug overdose	2,076	46.0	44.3	748	32.9	31.2	1,329	59.2	58.2	-	0.6
Gas	31	0.7	0.7	21	0.9	0.9	10	0.4	0.4	+	2.1
Motor vehicle exhaust	23	0.5	0.5	15	0.7	0.7	8	0.3	0.3	+	1.9
Hanging/suffocation	32	0.7	0.7	23	1.0	0.9	9	0.4	0.4	+	2.6
Firearms/airguns	45	1.0	1.0	39	1.7	1.7	6	0.3	0.2	+	6.5
Handgun	30	0.7	0.7	26	1.2	1.2	4	0.2	0.2	+	6.5
Shotgun	4	0.1	0.1	3	0.1	0.2	0	0.0	0.0	+	—
Rifle	2	0.0	0.0	2	0.1	0.1	0	0.0	0.0	+	—
Airgun	1	0.0	0.0	1	0.0	0.0	0	0.0	0.0	—	—
Unspecified	8	0.2	0.2	7	0.3	0.3	1	0.1	0.1	+	7.0
Cutting/piercing	348	7.7	7.4	179	7.9	7.5	169	7.5	7.4		1.1
Jumping from high place	19	0.4	0.4	11	0.5	0.5	7	0.3	0.3		
Other or unspecified means	64	1.4	1.4	43	1.9	1.9	21	0.9	0.9	+	2.0
Assault	1,234	27.3	26.3	992	43.6	40.9	242	10.8	10.6	+	4.1
Unarmed fight/brawl	381	8.4	8.1	309	13.6	12.8	72	3.2	3.1	+	4.3
Firearms	154	3.4	3.3	135	5.9	5.5	19	0.9	0.9	+	7.1
Handgun	89	2.0	1.9	78	3.4	3.2	11	0.5	0.5	+	7.1
Shotgun	9	0.2	0.2	8	0.3	0.3	1	0.1	0.1	+	8.0
Rifle	1	0.0	0.0	1	0.0	0.0	0	0.0	0.0		—
Unspecified	55	1.2	1.2	48	2.1	2.0	7	0.3	0.3	+	6.9
By stabbing	247	5.5	5.2	220	9.7	9.0	27	1.2	1.2	+	8.1
Child/adult abuse	137	3.0	2.9	54	2.4	2.2	83	3.7	3.6	-	0.7
Other or unspecified means	336	7.4	7.2	278	12.2	11.5	59	2.6	2.6	+	4.7
Legal intervention	39	0.9	0.8	35	1.5	1.4	5	0.2	0.2	+	7.0
Firearms	9	0.2	0.2	8	0.4	0.3	1	0.0	0.0	+	8.0
Total undetermined intent	395	8.8	8.6	203	8.9	8.7	192	8.6	8.5		1.1
Poisoning by solids/liquids	311	6.9	6.8	151	6.6	6.3	161	7.2	7.1		0.9
Poisoning by gases	4	0.1	0.1	2	0.1	0.1	2	0.1	0.1		1.0
Hanging/strangulation/ suffocation/drowning	2	0.0	0.0	1	0.0	0.0	1	0.0	0.0		1.0
Firearms/airguns	14	0.3	0.3	10	0.5	0.4	4	0.2	0.2	+	2.5
Cutting/piercing	8	0.2	0.2	5	0.2	0.2	4	0.2	0.2		1.3
Other or unspecified means	57	1.3	1.3	35	1.5	1.7	22	1.0	1.0	+	1.6

— indicates no females were hospitalized for this mechanism of injury.
+ or - indicates that the rate for males is significantly higher or lower than the rate for females.
M/F ratio is the number of hospitalizations for males divided by the number of hospitalizations for females.
Transfer or multiple records of the same event were excluded.
Sums may not add to total due to cases with more than one mechanism of injury mentioned.
See Appendix F for the definitions of mechanism of injury and their associated ICD-9-CM codes.
Data source: Colorado Health and Hospital Association.
Prepared by the Injury Epidemiology Program, Colorado Department of Public Health and Environment.

**H17A. Injury hospitalizations and rates by detailed mechanism of injury and age:
Colorado residents, 2001-2003 total**

Mechanism of Injury	AGE GROUP													
	< 1		1-4		5-9		10-14		15-19		20-24		25-34	
	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate
Total injury hospitalizations	530	260.8	1,352	177.9	1,514	162.0	2,412	250.4	5,860	584.3	5,744	612.3	9,731	476.5
Hospitalizations with mechanism mentioned	496	244.1	1,340	176.3	1,509	161.4	2,379	246.9	5,815	579.8	5,701	607.7	9,603	470.3
Total unintentional injury	325	159.9	1,278	168.1	1,487	159.1	1,999	207.5	4,016	400.4	3,941	420.1	6,850	335.4
Transportation	22	10.8	186	24.5	495	53.0	786	81.6	2,141	213.5	2,038	217.2	2,916	142.8
Motor vehicle traffic	22	10.8	132	17.4	290	31.0	381	39.5	1,736	173.1	1,718	183.1	2,259	110.6
Motor vehicle occupant	21	10.3	97	12.8	172	18.4	228	23.7	1,503	149.9	1,361	145.1	1,653	80.9
Motorcyclist	0	0.0	0	0.0	9	1.0	30	3.1	110	11.0	220	23.5	388	19.0
Bicyclist	0	0.0	2	0.3	26	2.8	55	5.7	23	2.3	32	3.4	43	2.1
Pedestrian	0	0.0	33	4.3	79	8.5	62	6.4	89	8.9	95	10.1	162	7.9
Motor vehicle non-traffic	0	0.0	28	3.7	66	7.1	165	17.1	213	21.2	184	19.6	369	18.1
Motor vehicle occupant	0	0.0	6	0.8	42	4.5	80	8.3	104	10.4	76	8.1	143	7.0
Motorcyclist	0	0.0	2	0.3	12	1.3	75	7.8	86	8.6	84	9.0	172	8.4
Bicyclist	0	0.0	0	0.0	0	0.0	0	0.0	2	0.2	3	0.3	2	0.1
Pedestrian	0	0.0	18	2.4	10	1.1	3	0.3	8	0.8	5	0.5	15	0.7
Snowmobile driver/passenger	0	0.0	0	0.0	1	0.1	6	0.6	3	0.3	9	1.0	26	1.3
Other road vehicle crashes	0	0.0	25	3.3	133	14.2	228	23.7	174	17.3	113	12.0	249	12.2
Bicyclist	0	0.0	14	1.8	109	11.7	157	16.3	97	9.7	64	6.8	150	7.3
Animal being ridden	0	0.0	8	1.1	18	1.9	63	6.5	69	6.9	44	4.7	92	4.5
Railway	0	0.0	0	0.0	0	0.0	0	0.0	1	0.1	1	0.1	5	0.2
Water transport	0	0.0	0	0.0	2	0.2	6	0.6	9	0.9	11	1.2	13	0.6
Air and space transport	0	0.0	0	0.0	0	0.0	0	0.0	2	0.2	6	0.6	13	0.6
Other transport related	0	0.0	1	0.1	4	0.4	6	0.6	6	0.6	5	0.5	9	0.4
Drowning	12	5.9	31	4.1	7	0.7	5	0.5	11	1.1	8	0.9	9	0.4
Water transport related	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.1	0	0.0
Non-water transport related	12	5.9	31	4.1	7	0.7	5	0.5	11	1.1	7	0.7	9	0.4
Recreational	0	0.0	2	0.3	2	0.2	1	0.1	4	0.4	1	0.1	5	0.2
Bathhtub	11	5.4	5	0.7	1	0.1	0	0.0	2	0.2	0	0.0	0	0.0
Poisoning	42	20.7	224	29.5	30	3.2	68	7.1	224	22.3	188	20.0	411	20.1
Heroin/opiates/narcotics	2	1.0	10	1.3	1	0.1	3	0.3	18	1.8	22	2.3	94	4.6
Aspirin	0	0.0	2	0.3	0	0.0	3	0.3	9	0.9	11	1.2	15	0.7
Barbiturates	0	0.0	0	0.0	0	0.0	1	0.1	4	0.4	1	0.1	4	0.2
Tranquilizers	0	0.0	15	2.0	2	0.2	3	0.3	15	1.5	15	1.6	52	2.5
Other psychotropic agents	4	2.0	27	3.6	3	0.3	9	0.9	52	5.2	41	4.4	85	4.2
Alcohol	0	0.0	1	0.1	0	0.0	11	1.1	41	4.1	25	2.7	53	2.6
Carbon monoxide	2	1.0	11	1.4	2	0.2	1	0.1	3	0.3	1	0.1	7	0.3
Falls	137	67.4	491	64.6	627	67.1	652	67.7	834	83.2	900	95.9	1,814	88.8
From stairs/steps	22	10.8	42	5.5	26	2.8	20	2.1	49	4.9	69	7.4	174	8.5
From ladders/scaffolding	0	0.0	1	0.1	3	0.3	2	0.2	11	1.1	50	5.3	149	7.3
From building/structure	1	0.5	43	5.7	20	2.1	16	1.7	48	4.8	60	6.4	156	7.6
Into a swimming pool	0	0.0	0	0.0	1	0.1	1	0.1	5	0.5	6	0.6	10	0.5
Into a well/manhole/hole	0	0.0	0	0.0	1	0.1	2	0.2	1	0.1	2	0.2	9	0.4
From playground equipment	0	0.0	47	6.2	211	22.6	73	7.6	9	0.9	4	0.4	4	0.2
From cliff	0	0.0	0	0.0	4	0.4	7	0.7	26	2.6	19	2.0	20	1.0
From chair/furniture (not bed)	14	6.9	61	8.0	16	1.7	4	0.4	3	0.3	4	0.4	14	0.7
From wheelchair	0	0.0	0	0.0	0	0.0	2	0.2	2	0.2	2	0.2	5	0.2
From bed	27	13.3	62	8.2	24	2.6	9	0.9	1	0.1	7	0.7	12	0.6
From commode	0	0.0	1	0.1	0	0.0	1	0.1	0	0.0	0	0.0	0	0.0
On same level, by slipping, tripping, or stumbling	3	1.5	60	7.9	100	10.7	276	28.6	334	33.3	367	39.1	636	31.1
Roller skates, in-line skates	0	0.0	0	0.0	15	1.6	30	3.1	8	0.8	6	0.6	29	1.4
Skateboard	0	0.0	1	0.1	9	1.0	75	7.8	65	6.5	28	3.0	36	1.8
Skis	0	0.0	2	0.3	13	1.4	18	1.9	53	5.3	61	6.5	133	6.5
Snowboard	0	0.0	0	0.0	1	0.1	61	6.3	130	13.0	161	17.2	142	7.0
On same level by collision, pushing, shoving, by or with other person (including in sports)	1	0.5	5	0.7	16	1.7	22	2.3	44	4.4	14	1.5	25	1.2
Other unspecified fall	69	34.0	169	22.2	206	22.0	217	22.5	302	30.1	297	31.7	600	29.4

(continued on next page)

H17 A. Injury hospitalizations and rates by detailed mechanism of injury and age:
Colorado residents, 2001-2003 total, continued

Mechanism of Injury	AGE GROUP													
	< 1		1-4		5-9		10-14		15-19		20-24		25-34	
	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate
Fire/burn	23	11.3	63	8.3	23	2.5	20	2.1	38	3.8	58	6.2	128	6.3
Fire/burn due to flames	2	1.0	15	2.0	13	1.4	14	1.5	22	2.2	32	3.4	74	3.6
House fires	2	1.0	6	0.8	1	0.1	2	0.2	4	0.4	4	0.4	22	1.1
From ignition of clothing	0	0.0	2	0.3	3	0.3	0	0.0	2	0.2	1	0.1	1	0.0
Scalds/caustic substances														
/hot objects	21	10.3	48	6.3	10	1.1	6	0.6	16	1.6	26	2.8	54	2.6
Natural/environmental	29	14.3	128	16.8	94	10.1	75	7.8	90	9.0	103	11.0	247	12.1
Excessive cold (weather)	1	0.5	0	0.0	0	0.0	1	0.1	7	0.7	9	1.0	29	1.4
Venomous snakes/lizards	0	0.0	4	0.5	7	0.7	8	0.8	5	0.5	9	1.0	14	0.7
Venomous spiders	3	1.5	5	0.7	4	0.4	5	0.5	5	0.5	4	0.4	22	1.1
Hornet, wasps, bees	1	0.5	2	0.3	2	0.2	3	0.3	5	0.5	3	0.3	6	0.3
Dog bite	7	3.4	54	7.1	43	4.6	16	1.7	15	1.5	20	2.1	38	1.9
Cat/rodent (except rat) bite	1	0.5	14	1.8	7	0.7	9	0.9	9	0.9	19	2.0	35	1.7
Other animal-related Injury, not being ridden	1	0.5	8	1.1	13	1.4	20	2.1	13	1.3	13	1.4	46	2.3
Lightning	0	0.0	0	0.0	1	0.1	1	0.1	3	0.3	1	0.1	8	0.4
Struck by or against	12	5.9	69	9.1	111	11.9	218	22.6	342	34.1	217	23.1	375	18.4
Struck by falling object	2	1.0	26	3.4	16	1.7	11	1.1	25	2.5	39	4.2	81	4.0
Striking against or by objects														
/persons (including in sports)	10	4.9	43	5.7	96	10.3	209	21.7	317	31.6	178	19.0	297	14.5
Machinery/cutting instrument	7	3.4	44	6	66	7.1	70	7.3	136	13.6	239	25.5	383	18.8
Machinery	0	0.0	6	0.8	2	0.2	7	0.7	37	3.7	76	8.1	106	5.2
Agricultural machines	0	0.0	1	0.1	1	0.1	2	0.2	2	0.2	2	0.2	8	0.4
Lifting machines	0	0.0	0	0.0	0	0.0	1	0.1	7	0.7	16	1.7	20	1.0
Woodworking/forming machines	0	0.0	0	0.0	0	0.0	2	0.2	7	0.7	15	1.6	28	1.4
Cutting and piercing instruments	7	3.4	38	5.0	64	6.8	63	6.5	100	10.0	163	17.4	277	13.6
Powered lawn mower	0	0.0	2	0.3	4	0.4	0	0.0	2	0.2	2	0.2	3	0.1
Powered hand tools	0	0.0	1	0.1	0	0.0	1	0.1	13	1.3	32	3.4	50	2.4
Knives, swords, daggers	0	0.0	2	0.3	2	0.2	7	0.7	19	1.9	14	1.5	31	1.5
Other hand tools/implements	7	3.4	33	4.3	58	6.2	55	5.7	66	6.6	115	12.3	193	9.5
Other unintentional	47	23	75	10	71	7.6	147	15.3	271	27	290	30.9	711	34.8
Aspiration/suffocation	3	1.5	4	0.5	2	0.2	4	0.4	4	0.4	4	0.4	10	0.5
Foreign body	2	1.0	4	0.5	5	0.5	3	0.3	9	0.9	17	1.8	18	0.9
Caught in or between objects	1	0.5	16	2.1	13	1.4	7	0.7	19	1.9	23	2.5	35	1.7
Firearms/airguns	0	0.0	2	0.3	4	0.4	27	2.8	34	3.4	38	4.1	52	2.5
Handgun	0	0.0	1	0.1	1	0.1	7	0.7	14	1.4	16	1.7	20	1.0
Shotgun	0	0.0	0	0.0	0	0.0	2	0.2	2	0.2	1	0.1	6	0.3
Rifle	0	0.0	0	0.0	0	0.0	3	0.3	5	0.5	1	0.1	2	0.1
Airgun	0	0.0	1	0.1	3	0.3	10	1.0	6	0.6	1	0.1	3	0.1
Unspecified	0	0.0	0	0.0	0	0.0	4	0.4	7	0.7	19	2.0	21	1.0
Electric current	0	0.0	2	0.3	1	0.1	1	0.1	4	0.4	6	0.6	30	1.5
Overexertion	0	0.0	13	1.7	12	1.3	52	5.4	94	9.4	86	9.2	228	11.2
Other unspecified injury	41	20.2	34	4.5	34	3.6	52	5.4	107	10.7	116	12.4	335	16.4
Total intentional injury	151	74.3	60	7.9	23	2.5	370	38.4	1,713	170.8	1,683	179.4	2,627	128.6
Suicide/self-inflicted	0	0.0	0	0.0	3	0.3	300	31.1	1,223	121.9	1,001	106.7	1,708	83.6
Solid/liquid drug overdose	0	0.0	0	0.0	3	0.3	223	23.1	978	97.5	778	82.9	1,391	68.1
Gas	0	0.0	0	0.0	0	0.0	2	0.2	6	0.6	8	0.9	16	0.8
Motor vehicle exhaust	0	0.0	0	0.0	0	0.0	0	0.0	2	0.2	6	0.6	14	0.7
Hanging/suffocation	0	0.0	0	0.0	0	0.0	10	1.0	18	1.8	14	1.5	26	1.3
Firearms/airguns	0	0.0	0	0.0	0	0.0	3	0.3	13	1.3	16	1.7	27	1.3
Handgun	0	0.0	0	0.0	0	0.0	2	0.2	9	0.9	8	0.9	19	0.9
Shotgun	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2	0.2	2	0.1
Rifle	0	0.0	0	0.0	0	0.0	0	0.0	1	0.1	1	0.1	1	0.0
Airgun	0	0.0	0	0.0	0	0.0	1	0.1	0	0.0	0	0.0	0	0.0
Unspecified	0	0.0	0	0.0	0	0.0	0	0.0	3	0.3	5	0.5	5	0.2
Cutting/piercing	0	0.0	0	0.0	0	0.0	55	5.7	195	19.4	178	19.0	228	11.2
Jumping from high place	0	0.0	0	0.0	0	0.0	5	0.5	6	0.6	13	1.4	15	0.7
Other or unspecified means	0	0.0	0	0.0	0	0.0	13	1.3	31	3.1	20	2.1	37	1.8

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H17A. Injury hospitalizations and rates by detailed mechanism of injury and age:
Colorado residents, 2001-2003 total, continued

Mechanism of Injury	AGE GROUP													
	<1		1-4		5-9		10-14		15-19		20-24		25-34	
	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate
Assault	150	73.8	60	7.9	21	2.2	69	7.2	485	48.4	673	71.7	897	43.9
Unarmed fight/brawl	2	1.0	0	0.0	3	0.3	24	2.5	145	14.5	202	21.5	287	14.1
Firearms	0	0.0	1	0.1	0	0.0	14	1.5	101	10.1	122	13.0	137	6.7
Handgun	0	0.0	0	0.0	0	0.0	7	0.7	63	6.3	65	6.9	83	4.1
Shotgun	0	0.0	1	0.1	0	0.0	1	0.1	6	0.6	5	0.5	9	0.4
Rifle	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.1	0	0.0
Unspecified	0	0.0	0	0.0	0	0.0	6	0.6	32	3.2	51	5.4	45	2.2
By stabbing	0	0.0	2	0.3	1	0.1	8	0.8	111	11.1	178	19.0	205	10.0
Child/adult abuse	147	72.3	54	7.1	14	1.5	13	1.3	21	2.1	19	2.0	48	2.4
Other or unspecified means	2	1.0	3	0.4	3	0.3	10	1.0	113	11.3	156	16.6	243	11.9
Legal intervention	1	0.5	0	0.0	0	0.0	4	0.4	11	1.1	15	1.6	31	1.5
Firearms	0	0.0	0	0.0	0	0.0	1	0.1	1	0.1	4	0.4	10	0.5
Total undetermined intent	26	12.8	9	1.2	3	0.3	26	2.7	119	11.9	118	12.6	207	10.1
Poisoning by solids/liquids	7	3.4	3	0.4	1	0.1	23	2.4	99	9.9	82	8.7	160	7.8
Poisoning by gases	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2	0.2	1	0.0
Hanging/strangulation/suffocation														
/drowning	1	0.5	1	0.1	0	0.0	1	0.1	1	0.1	0	0.0	0	0.0
Firearms/airguns	0	0.0	0	0.0	0	0.0	0	0.0	5	0.5	6	0.6	15	0.7
Cutting/piercing	0	0.0	0	0.0	0	0.0	0	0.0	6	0.6	5	0.5	3	0.1
Other or unspecified means	18	8.9	5	0.7	2	0.2	2	0.2	9	0.9	23	2.5	28	1.4

Transfer or multiple records of the same event were excluded. Rates are per 100,000 population.
Sums may not add to total due to cases with more than one mechanism of injury reported.
See Appendix F for the definitions of mechanism of injury and their associated ICD-9-CM codes.
Data source: Colorado Health and Hospital Association.
Prepared by the Injury Epidemiology Program, Colorado Department of Public Health and Environment.

**H17B. Injury hospitalizations and rates by detailed mechanism of injury and age:
Colorado residents, 2001-2003 total**

Mechanism of Injury	AGE GROUP											
	35-44		45-54		55-64		65-74		75-84		85+	
	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate
Total injury hospitalizations	11,160	504.7	10,376	519.6	6,929	596.7	7,630	1,049.7	12,713	2,780.8	10,366	6,752.9
Hospitalizations with mechanism mentioned	10,947	495.1	10,086	505.0	6,679	575.2	7,345	1,010.5	12,359	2,703.3	10,194	6,640.9
Total unintentional injury	8,198	370.8	8,416	421.4	6,230	536.5	7,134	981.5	12,222	2,673.4	10,138	6,604.4
Transportation	3,004	135.9	2,597	130.0	1,449	124.8	918	126.3	824	180.2	252	164.2
Motor vehicle traffic	2,129	96.3	1,824	91.3	1,010	87.0	686	94.4	687	150.3	206	134.2
Motor vehicle occupant	1,391	62.9	1,190	59.6	738	63.6	566	77.9	606	132.6	185	120.5
Motorcyclist	452	20.4	405	20.3	146	12.6	31	4.3	6	1.3	1	0.7
Bicyclist	58	2.6	51	2.6	14	1.2	14	1.9	3	0.7	0	0.0
Pedestrian	212	9.6	170	8.5	109	9.4	69	9.5	67	14.7	19	12.4
Motor vehicle non-traffic	360	16.3	202	10.1	101	8.7	98	13.5	85	18.6	36	23.5
Motor vehicle occupant	157	7.1	118	5.9	58	5.0	72	9.9	64	14.0	32	20.8
Motorcyclist	142	6.4	51	2.6	16	1.4	7	1.0	2	0.4	1	0.7
Bicyclist	3	0.1	0	0.0	1	0.1	1	0.1	2	0.4	0	0.0
Pedestrian	17	0.8	10	0.5	7	0.6	9	1.2	11	2.4	2	1.3
Snowmobile driver/passenger	25	1.1	10	0.5	10	0.9	4	0.6	0	0.0	0	0.0
Other road vehicle crashes	460	20.8	530	26.5	314	27.0	123	16.9	41	9.0	6	3.9
Bicyclist	219	9.9	231	11.6	135	11.6	58	8.0	25	5.5	2	1.3
Animal being ridden	229	10.4	288	14.4	171	14.7	60	8.3	13	2.8	2	1.3
Railway	3	0.1	3	0.2	2	0.2	1	0.1	2	0.4	1	0.7
Water transport	18	0.8	8	0.4	6	0.5	2	0.3	1	0.2	0	0.0
Air and space transport	22	1.0	17	0.9	10	0.9	3	0.4	3	0.7	1	0.7
Other transport related	12	0.5	13	0.7	6	0.5	5	0.7	5	1.1	2	1.3
Drowning	13	0.6	8	0.4	2	0.2	4	0.6	4	0.9	1	0.7
Water transport related	1	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Non-water transport related	12	0.5	8	0.4	2	0.2	4	0.6	4	0.9	1	0.7
Recreational	3	0.1	3	0.2	2	0.2	0	0.0	2	0.4	0	0.0
Bathtub	1	0.0	1	0.1	0	0.0	1	0.1	0	0.0	1	0.7
Poisoning	584	26.4	631	31.6	347	29.9	314	43.2	340	74.4	104	67.8
Heroin/opiates/narcotics	144	6.5	145	7.3	93	8.0	51	7.0	53	11.6	11	7.2
Aspirin	19	0.9	21	1.1	11	0.9	14	1.9	10	2.2	0	0.0
Barbiturates	15	0.7	18	0.9	4	0.3	0	0.0	1	0.2	1	0.7
Tranquilizers	111	5.0	137	6.9	47	4.0	34	4.7	39	8.5	11	7.2
Other psychotropic agents	107	4.8	96	4.8	41	3.5	18	2.5	18	3.9	3	2.0
Alcohol	69	3.1	51	2.6	13	1.1	6	0.8	3	0.7	1	0.7
Carbon monoxide	6	0.3	8	0.4	13	1.1	15	2.1	7	1.5	3	2.0
Fall	2,591	117.2	3,351	167.8	3,311	285.1	4,900	674.1	9,988	2,184.7	9,192	5,988.1
From stairs/steps	318	14.4	433	21.7	389	33.5	500	68.8	777	170.0	378	246.2
From ladders/scaffolding	240	10.9	302	15.1	246	21.2	197	27.1	121	26.5	25	16.3
From building/structure	152	6.9	118	5.9	43	3.7	25	3.4	14	3.1	3	2.0
Into a swimming pool	5	0.2	2	0.1	0	0.0	0	0.0	0	0.0	0	0.0
Into a well/manhole/hole	13	0.6	17	0.9	14	1.2	12	1.7	11	2.4	8	5.2
From playground equipment	7	0.3	1	0.1	3	0.3	1	0.1	0	0.0	0	0.0
From cliff	18	0.8	9	0.5	4	0.3	1	0.1	0	0.0	0	0.0
From chair/furniture (not bed)	31	1.4	66	3.3	73	6.3	102	14.0	237	51.8	222	144.6
From wheelchair	14	0.6	37	1.9	56	4.8	50	6.9	137	30.0	160	104.2
From bed	28	1.3	36	1.8	52	4.5	116	16.0	342	74.8	427	278.2
From commode	11	0.5	20	1.0	18	1.6	26	3.6	69	15.1	100	65.1
On same level, by slipping, tripping, or stumbling	782	35.4	1,106	55.4	1,170	100.8	1,777	244.5	3,640	796.2	3,263	2,125.7
Roller skates, in-line skates	27	1.2	24	1.2	13	1.1	2	0.3	1	0.2	0	0.0
Skateboard	13	0.6	7	0.4	1	0.1	3	0.4	0	0.0	1	0.7
Skis	127	5.7	137	6.9	99	8.5	47	6.5	12	2.6	2	1.3
Snowboard	24	1.1	7	0.4	1	0.1	1	0.1	1	0.2	1	0.7
On same level by collision, pushing, shoving, by or with other person (including in sports)	26	1.2	17	0.9	8	0.7	15	2.1	32	7.0	32	20.8
Other unspecified fall	950	43.0	1,194	59.8	1,241	106.9	2,082	286.4	4,620	1,010.6	4,579	2,983.0

(continued on next page)

H17B. Injury hospitalizations and rates by detailed mechanism of injury and age:
Colorado residents, 2001-2003 total, continued

Mechanism of Injury	AGE GROUP											
	35-44		45-54		55-64		65-74		75-84		85+	
	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate
Fire/burn	161	7.3	153	7.7	115	9.9	68	9.4	62	13.6	22	14.3
Fire/burn due to flames	85	3.8	86	4.3	72	6.2	39	5.4	28	6.1	7	4.6
House fires	14	0.6	23	1.2	22	1.9	7	1.0	5	1.1	2	1.3
From ignition of clothing	3	0.1	4	0.2	4	0.3	3	0.4	4	0.9	1	0.7
Scalds/caustic substances												
/Hot objects	76	3.4	68	3.4	43	3.7	29	4.0	34	7.4	15	9.8
Natural/environmental	359	16.2	386	19.3	233	20.1	166	22.8	174	38.1	75	48.9
Excessive cold (weather)	53	2.4	77	3.9	31	2.7	21	2.9	32	7.0	13	8.5
Venomous snakes/lizards	19	0.9	12	0.6	8	0.7	1	0.1	0	0.0	0	0.0
Venomous spiders	36	1.6	22	1.1	10	0.9	5	0.7	3	0.7	4	2.6
Hornet, wasps, bees	13	0.6	8	0.4	9	0.8	6	0.8	9	2.0	1	0.7
Dog bite	58	2.6	43	2.2	25	2.2	17	2.3	15	3.3	2	1.3
Cat/rodent (except rat) bite	48	2.2	72	3.6	41	3.5	24	3.3	27	5.9	18	11.7
Other animal-related Injury, not being ridden	49	2.2	67	3.4	45	3.9	48	6.6	21	4.6	6	3.9
Lightning	6	0.3	3	0.2	1	0.1	0	0.0	0	0.0	0	0.0
Struck by or against	382	17.3	298	15	175	15.1	160	22	189	41.3	120	78.2
Struck by falling object	101	4.6	88	4.4	39	3.4	27	3.7	34	7.4	6	3.9
Striking against or by objects												
/persons (including in sports)	282	12.8	211	10.6	136	11.7	137	18.8	156	34.1	114	74.3
Machinery/cutting instrument	396	17.9	328	16.4	136	11.7	81	11.1	56	12.2	26	16.9
Machinery	131	5.9	101	5.1	56	4.8	25	3.4	11	2.4	2	1.3
Agricultural machines	3	0.1	5	0.3	4	0.3	6	0.8	3	0.7	0	0.0
Lifting machines	28	1.3	18	0.9	16	1.4	1	0.1	1	0.2	0	0.0
Woodworking/forming machines	32	1.4	22	1.1	12	1.0	8	1.1	7	1.5	1	0.7
Cutting and piercing instruments	265	12.0	227	11.4	80	6.9	56	7.7	45	9.8	24	15.6
Powered lawn mower	1	0.0	5	0.3	2	0.2	2	0.3	3	0.7	0	0.0
Powered hand tools	39	1.8	37	1.9	13	1.1	12	1.7	7	1.5	1	0.7
Knives, swords, daggers	33	1.5	17	0.9	8	0.7	3	0.4	1	0.2	1	0.7
Other hand tools/implements	192	8.7	168	8.4	57	4.9	39	5.4	34	7.4	22	14.3
Other unintentional	884	40.0	841	42.1	586	50.5	623	85.7	759	166.0	463	301.6
Aspiration/suffocation	13	0.6	11	0.6	9	0.8	9	1.2	13	2.8	9	5.9
Foreign body	17	0.8	11	0.6	10	0.9	11	1.5	13	2.8	13	8.5
Caught in or between objects	45	2.0	33	1.7	23	2.0	14	1.9	14	3.1	3	2.0
Firearms/airguns	33	1.5	14	0.7	9	0.8	3	0.4	1	0.2	1	0.7
Handgun	17	0.8	8	0.4	4	0.3	2	0.3	0	0.0	1	0.7
Shotgun	4	0.2	2	0.1	0	0.0	0	0.0	1	0.2	0	0.0
Rifle	4	0.2	2	0.1	1	0.1	0	0.0	0	0.0	0	0.0
Airgun	1	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Unspecified	6	0.3	2	0.1	4	0.3	1	0.1	0	0.0	0	0.0
Electric current	23	1.0	17	0.9	2	0.2	1	0.1	2	0.4	0	0.0
Overexertion	339	15.3	308	15.4	199	17.1	222	30.5	270	59.1	137	89.2
Other unspecified injury	414	18.7	446	22.3	333	28.7	363	49.9	447	97.8	300	195.4
Total intentional injury	2,578	116.6	1,524	76.3	406	35.0	169	23.3	108	23.6	46	30.0
Suicide/self-inflicted	1,773	80.2	1,130	56.6	307	26.4	131	18.0	74	16.2	29	18.9
Solid/liquid drug overdose	1,467	66.3	951	47.6	262	22.6	101	13.9	52	11.4	23	15.0
Gas	28	1.3	18	0.9	9	0.8	3	0.4	2	0.4	0	0.0
Motor vehicle exhaust	19	0.9	14	0.7	9	0.8	3	0.4	2	0.4	0	0.0
Hanging/suffocation	22	1.0	5	0.3	1	0.1	0	0.0	0	0.0	0	0.0
Firearms/airguns	24	1.1	25	1.3	10	0.9	11	1.5	6	1.3	0	0.0
Handgun	15	0.7	17	0.9	9	0.8	8	1.1	3	0.7	0	0.0
Shotgun	2	0.1	2	0.1	0	0.0	2	0.3	1	0.2	0	0.0
Rifle	1	0.0	2	0.1	0	0.0	0	0.0	0	0.0	0	0.0
Airgun	1	0.0	1	0.1	0	0.0	0	0.0	0	0.0	0	0.0
Unspecified	5	0.2	3	0.2	1	0.1	1	0.1	2	0.4	0	0.0
Cutting/piercing	228	10.3	109	5.5	25	2.2	13	1.8	10	2.2	3	2.0
Jumping from high place	7	0.3	7	0.4	0	0.0	3	0.4	0	0.0	0	0.0
Other or unspecified means	39	1.8	32	1.6	6	0.5	4	0.6	5	1.1	4	2.6

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**H17B. Injury hospitalizations and rates by detailed mechanism of injury and age:
Colorado residents, 2001-2003 total, continued**

Mechanism of Injury	AGE GROUP											
	35-44		45-54		55-64		65-74		75-84		85+	
	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate
Assault	787	35.6	378	18.9	96	8.3	36	5.0	33	7.2	17	11.1
Unarmed fight/brawl	268	12.1	140	7.0	44	3.8	15	2.1	10	2.2	4	2.6
Firearms	50	2.3	25	1.3	7	0.6	3	0.4	0	0.0	2	1.3
Handgun	27	1.2	15	0.8	4	0.3	3	0.4	0	0.0	1	0.7
Shotgun	4	0.2	1	0.1	0	0.0	0	0.0	0	0.0	0	0.0
Rifle	2	0.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Unspecified	17	0.8	9	0.5	3	0.3	0	0.0	0	0.0	1	0.7
By stabbing	160	7.2	57	2.9	12	1.0	6	0.8	0	0.0	0	0.0
Child/adult abuse	48	2.2	22	1.1	7	0.6	3	0.4	11	2.4	5	3.3
Other or unspecified means	277	12.5	140	7.0	31	2.7	9	1.2	14	3.1	8	5.2
Legal intervention	32	1.4	18	0.9	3	0.3	2	0.3	1	0.2	0	0.0
Firearms	6	0.3	3	0.2	1	0.1	0	0.0	0	0.0	0	0.0
Total undetermined intent	277	12.5	217	10.9	71	6.1	55	7.6	43	9.4	15	9.8
Poisoning by solids/liquids	237	10.7	189	9.5	63	5.4	36	5.0	31	6.8	3	2.0
Poisoning by gases	2	0.1	1	0.1	1	0.1	1	0.1	2	0.4	1	0.7
Hanging/strangulation/suffocation												
/drowning	0	0.0	0	0.0	1	0.1	0	0.0	0	0.0	0	0.0
Firearms/airguns	11	0.5	5	0.3	0	0.0	0	0.0	0	0.0	0	0.0
Cutting/piercing	7	0.3	3	0.2	1	0.1	0	0.0	0	0.0	0	0.0
Other or unspecified means	20	0.9	19	1.0	5	0.4	18	2.5	10	2.2	11	7.2

Transfer or multiple records of the same event were excluded. Rates are per 100,000 population.
 Sums may not add to total due to cases with more than one mechanism of injury reported.
 See Appendix F for the definitions of mechanism of injury and their associated ICD-9-CM codes.
 Data source: Colorado Health and Hospital Association.
 Prepared by the Injury Epidemiology Program, Colorado Department of Public Health and Environment.

**H18. Injury hospitalizations, crude rates and age-adjusted rates by county or region of residence:
Colorado residents, 2001-2003 total**

Place of Residence	Total Hospitalizations				Mechanism Mentioned				Unintentional				Intentional			
	N	Crude Rate	Adj. Rate	Sig. Diff.	N	Crude Rate	Adj. Rate	Sig. Diff.	N	Crude Rate	Adj. Rate	Sig. Diff.	N	Crude Rate	Adj. Rate	Sig. Diff.
Colorado	86,317	637.0	694.0		84,453	623.2	678.7		72,234	533.0	591.6		11,458	84.6	81.5	
County of Residence																
Adams	6,863	603.1	715.6		6,727	591.2	701.8	+	5,508	484.0	598.1		1,125	98.9	94.6	+
Alamosa	285	616.8	674.0		263	569.2	620.8		213	461.0	508.6	-	46	99.6	103.1	
Arapahoe	8,849	575.2	648.9	-	8,706	565.9	638.5	-	7,574	492.4	566.8	-	1,078	70.1	68.2	-
Archuleta	130	398.2	409.2	-	122	373.7	386.2	-	107	327.8	342.0	-	15	45.9	44.2	-
Baca	114	859.3	674.7		104	784.0	625.9		94	708.6	534.6		9	67.8	87.8	
Bent	167	910.9	840.6	+	150	818.2	761.1		125	681.8	623.5		21	114.5	116.4	
Boulder	4,340	501.1	589.4	-	4,232	488.7	574.7	-	3,774	435.8	525.8	-	427	49.3	45.9	-
Broomfield	172	395.5	547.0	-	171	393.2	545.1	-	154	354.2	507.5		17	39.1	37.5	-
Chaffee	347	694.5	615.7	-	327	654.5	584.3	-	305	610.4	537.8		21	42.0	44.4	-
Cheyenne	54	813.0	724.5		51	767.8	688.1		49	737.7	649.1		2	30.1	39.0	
Clear Creek	179	624.5	727.1		175	610.6	710.9		157	547.8	647.7		17	59.3	58.9	
Conejos	217	859.0	846.6	+	200	791.7	778.2		176	696.7	674.5		22	87.1	96.9	
Costilla	108	964.3	939.3	+	96	857.1	835.6		81	723.2	671.3		10	89.3	107.6	
Crowley	104	607.8	671.4		98	572.8	628.8		87	508.5	563.6		8	46.8	47.5	
Custer	87	766.6	746.0		84	740.2	717.3		75	660.9	626.3		8	70.5	85.8	
Delta	839	958.1	812.6	+	830	947.8	804.6	+	766	874.7	721.2	+	47	53.7	61.9	-
Denver	14,144	838.2	869.2	+	13,974	828.1	858.6	+	11,339	672.0	708.1	+	2,476	146.7	141.1	+
Dolores	44	790.9	692.4		42	755.0	664.6		41	737.0	643.7		1	18.0	20.9	-
Douglas	2,385	372.9	539.5	-	2,350	367.4	532.2	-	2,094	327.4	490.6	-	232	36.3	37.5	-
Eagle	718	521.9	635.7		710	516.1	624.8		651	473.2	583.5		53	38.5	36.6	-
Elbert	359	547.2	674.7		351	535.0	657.5		322	490.8	610.9		24	36.6	38.8	-
El Paso	9,712	598.7	693.5		9,540	588.1	681.2		8,189	504.8	601.0		1,264	77.9	74.7	-
Fremont	1,212	852.4	791.4	+	1,188	835.5	776.4	+	1,022	718.8	662.9	+	157	110.4	108.0	+
Garfield	820	577.4	654.9		794	559.1	634.0		708	498.6	574.4		83	58.4	57.3	-
Gilpin	88	600.2	774.0		87	593.4	769.7		80	545.7	720.8		6	40.9	42.9	-
Grand	296	732.7	834.8	+	289	715.3	807.5	+	274	678.2	772.4	+	16	39.6	36.9	-
Gunnison	216	514.4	634.9		212	504.8	619.8		204	485.8	596.2		5	11.9	13.5	-
Hinsdale	17	706.3	835.7		16	664.7	778.9		16	664.7	778.9		0	0.0	0.0	-
Huerfano	235	981.4	868.0	+	213	889.5	801.3	+	181	755.9	660.0		22	91.9	98.1	
Jackson	21	435.6	442.5	-	21	435.6	442.5	-	20	414.9	421.0		1	20.7	21.6	-
Jefferson	9,420	591.9	639.5	-	9,281	583.2	630.4	-	8,146	511.8	559.7	-	1,051	66.0	65.6	-
Kiowa	40	848.0	776.6		39	826.8	766.2		38	805.6	741.3		1	21.2	24.9	-
Kit Carson	231	961.3	874.4	+	208	865.6	790.7	+	199	828.1	750.9	+	7	29.1	30.7	-
Lake	193	814.8	953.0	+	174	734.6	848.5	+	148	624.8	748.2	+	24	101.3	91.5	
La Plata	689	496.8	526.5	-	680	490.3	520.1	-	619	446.3	478.2	-	57	41.1	39.0	-
Larimer	4,486	569.3	613.6	-	4,373	555.0	597.2	-	3,678	466.8	516.6	-	669	84.9	77.4	
Las Animas	448	939.5	826.5	+	416	872.4	772.6	+	352	738.1	623.7		64	134.2	148.9	+
Lincoln	125	679.9	639.0		119	647.3	607.3		101	549.4	517.8		15	81.6	75.2	
Logan	454	690.4	658.6		437	664.6	633.7		385	585.5	553.6		47	71.5	72.7	
Mesa	2,918	794.0	746.1	+	2,875	782.3	735.8	+	2,320	631.3	579.2		543	147.8	153.6	+
Mineral	19	723.8	700.7		18	685.7	652.2		17	647.6	611.9		1	38.1	40.4	
Moffat	238	597.7	678.9		234	587.6	666.3		213	534.9	612.9		17	42.7	42.1	-
Montezuma	528	725.6	708.8		485	666.5	652.3		418	574.4	552.0		65	89.3	97.4	
Montrose	687	647.2	607.4	-	665	626.5	589.8	-	593	558.6	514.8	-	69	65.0	71.6	

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H18. Injury hospitalizations, crude rates and age-adjusted rates by county or region of residence:
 Colorado residents, 2001-2003 total, continued

Place of Residence	Total Hospitalizations				Mechanism Mentioned				Unintentional				Intentional			
	N	Crude Rate	Adj. Rate	Sig. Diff.	N	Crude Rate	Adj. Rate	Sig. Diff.	N	Crude Rate	Adj. Rate	Sig. Diff.	N	Crude Rate	Adj. Rate	Sig. Diff.
Morgan	746	891.0	874.0	+	716	855.2	839.9	+	643	768.0	748.5	+	74	88.4	92.3	
Otero	578	972.3	884.2	+	532	894.9	814.7	+	448	753.6	668.7	+	65	109.3	117.3	+
Ouray	59	495.6	514.5	-	57	478.8	498.7	-	53	445.2	460.6		4	33.6	38.1	-
Park	285	604.0	701.7		280	593.4	691.1		251	532.0	628.1		28	59.3	61.3	
Phillips	1381	015.0	774.8		126	926.7	706.2		119	875.3	650.8		6	44.1	47.0	
Pitkin	372	761.2	860.7	+	368	753.0	848.7	+	335	685.5	778.3	+	32	65.5	67.3	
Prowers	402	944.1	948.5	+	374	878.4	884.2	+	321	753.9	760.1	+	47	110.4	109.9	
Pueblo	4,051	920.4	870.1	+	3,928	892.4	844.3	+	3,181	722.7	669.2	+	737	167.4	173.0	+
Rio Blanco	107	592.3	637.8		98	542.5	583.7		96	531.4	574.2		2	11.1	9.5	-
Rio Grande	253	666.4	634.1		239	629.5	600.6		214	563.7	528.8		21	55.3	62.3	
Routt	322	512.2	663.2		317	504.3	653.1		290	461.3	609.1		24	38.2	36.0	-
Saguache	115	616.4	643.1		103	552.1	580.0		94	503.8	528.0		8	42.9	47.6	
San Juan	9	530.7	572.7		8	471.7	542.0		8	471.7	542.0		0	0.0	0.0	-
San Miguel	126	592.5	760.2		125	587.8	754.1		117	550.1	722.9		7	32.9	27.8	-
Sedgwick	59	717.5	512.4	-	54	656.7	479.4	-	50	608.1	416.9	-	3	36.5	47.2	
Summit	441	549.3	725.5		435	541.8	706.7		395	492.0	663.3		37	46.1	40.0	-
Teller	417	632.0	775.2		414	627.4	771.0	+	372	563.8	708.5	+	39	59.1	58.5	-
Washington	104	690.8	607.8		101	670.8	588.3		94	624.3	540.5		7	46.5	47.8	
Weld	3,424	564.5	640.9	-	3,358	553.6	628.2	-	2,988	492.6	570.3		342	56.4	53.6	-
Yuma	253	848.0	755.4		238	797.7	712.4		226	757.5	668.1		11	36.9	40.2	-
Urban/Rural Region																
Denver CMSA	46,173	615.3	689.4		45,441	605.5	678.6		38,589	514.2	590.7		6,406	85.4	82.0	
Other MSA	24,591	643.0	688.7		24,074	629.5	673.9		20,356	532.3	580.5		3,555	93.0	89.2	+
Rural non-remote	13,131	696.8	716.7	+	12,639	670.7	689.6		11,287	598.9	618.4	+	1,227	65.1	64.5	-
Rural remote	1,964	662.7	687.6		1,844	622.2	644.5	-	1,676	565.5	588.4		149	50.3	49.6	-
Regional Emergency and Trauma Advisory Councils																
Northwest	4,405	698.9	699.2		4,318	685.1	685.5		3,627	575.5	576.0		669	106.1	106.2	+
Western	1,818	727.1	674.5		1,780	711.9	661.2		1,632	652.7	599.0		125	50.0	52.4	-
Southwest	1,526	559.7	580.8	-	1,462	536.3	557.7	-	1,310	480.5	503.1	-	145	53.2	52.2	-
Foothills	14,495	570.4	632.1	-	14,235	560.1	621.0	-	12,585	495.2	558.7	-	1,534	60.4	58.0	-
Central Mtn.	2,356	607.9	709.5		2,294	591.9	688.3		2,085	538.0	637.0	+	195	50.3	47.4	-
San Luis Valley	997	702.5	712.2		919	647.6	655.9		795	560.2	561.6		108	76.1	82.9	
Northeast	9,685	599.5	642.2	-	9,424	583.4	624.0	-	8,203	507.8	552.8	-	1,160	71.8	67.6	-
Mile-High	32,600	637.7	720.1	+	32,108	628.0	709.2	+	26,837	524.9	609.5	+	4,935	96.5	93.1	+
Plains to Peaks	10,539	606.7	698.0		10,332	594.7	684.1		8,910	512.9	605.1		1,327	76.4	73.4	-
Southern	6,033	906.8	844.9	+	5,829	876.1	817.6	+	4,811	723.1	660.2	+	988	148.5	152.9	+
Southeast	1,405	903.8	839.7	+	1,297	834.4	777.8	+	1,113	716.0	656.9	+	151	97.1	101.0	+

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H18. Injury hospitalizations, crude rates and age-adjusted rates by county or region of residence:
Colorado residents, 2001-2003 total, continued

Place of Residence	Motor Vehicle Traffic			Fall			Poisoning			Suicide/Attempt			Assault/Legal Intervention							
	N	Crude Rate	Adj. Rate	Sig. Diff.	N	Crude Rate	Adj. Rate	Sig. Diff.	N	Crude Rate	Adj. Rate	Sig. Diff.	N	Crude Rate	Adj. Rate	Sig. Diff.				
Colorado	13,080	96.5	96.5		38,788	286.2	340.6		3,507	25.9	26.7		7,679	56.7	54.7		3,818	28.2	27.1	
County of Residence																				
Adams	1,285	112.9	114.4	+	2,654	233.2	337.8		282	24.8	27.7		717	63.0	61.0	+	411	36.1	33.9	+
Alamosa	38	82.2	79.6		100	216.4	258.9	-	11	23.8	25.6		27	58.4	61.8		19	41.1	41.3	
Arapahoe	1,435	93.3	94.7		4,173	271.3	338.5		352	22.9	24.1		710	46.2	45.0	-	369	24.0	23.3	-
Archuleta	17	52.1	48.4	-	52	159.3	179.0	-	5	15.3	16.6		13	39.8	38.5		2	6.1	5.7	-
Baca	19	143.2	133.1		49	369.4	210.5	-	4	30.2	29.2		7	52.8	67.3		2	15.1	20.4	
Bent	17	92.7	88.3		72	392.7	342.0		8	43.6	42.9		18	98.2	99.5		3	16.4	16.9	
Boulder	621	71.7	70.0	-	2,187	252.5	336.2		171	19.7	20.7	-	346	40.0	37.2	-	81	9.4	8.7	-
Broomfield	30	69.0	71.7		78	179.4	302.1		1	2.3	2.0	-	17	39.1	37.5		0	0.0	0.0	-
Chaffee	60	120.1	118.8		169	338.2	275.3	-	17	34.0	29.7		19	38.0	40.0		2	4.0	4.4	-
Cheyenne	16	240.9	224.2	+	24	361.3	280.7		2	30.1	28.1		1	15.1	24.1		1	15.1	14.9	
Clear Creek	39	136.1	138.3		70	244.2	321.1		7	24.4	25.1		13	45.4	43.9		4	14.0	14.9	
Conejos	32	126.7	124.6		87	344.4	320.1		6	23.8	25.6		14	55.4	63.1		8	31.7	33.7	
Costilla	13	116.1	128.0		41	366.1	305.0		2	17.9	16.6		6	53.6	65.9		4	35.7	41.6	
Crowley	9	52.6	48.9	-	38	222.1	249.3	-	6	35.1	38.1		5	29.2	28.7		3	17.5	18.8	
Custer	14	123.4	132.6		32	282.0	258.2		4	35.2	31.9		7	61.7	80.5		1	8.8	5.2	-
Delta	103	117.6	114.4		383	437.4	309.7		18	20.6	20.8		39	44.5	50.8		9	10.3	12.4	-
Denver	1,960	116.2	117.0	+	6,200	367.4	400.2	+	671	39.8	40.7	+	1,131	67.0	64.8	+	1,354	80.2	76.8	+
Dolores	9	161.8	154.1		21	377.5	306.0		1	18.0	14.4		1	18.0	20.9		0	0.0	0.0	-
Douglas	408	63.8	74.4	-	975	152.4	292.0	-	100	15.6	18.2	-	191	29.9	31.1	-	42	6.6	6.6	-
Eagle	142	103.2	103.5		323	234.8	345.9		14	10.2	13.7	-	37	26.9	25.5	-	16	11.6	11.1	-
Elbert	90	137.2	145.6	+	116	176.8	276.7	-	8	12.2	12.4	-	21	32.0	33.8	-	4	6.1	6.3	-
El Paso	1,300	80.1	80.4	-	4,626	285.2	374.1	+	490	30.2	31.8	+	857	52.8	50.7		409	25.2	24.1	
Fremont	127	89.3	87.0		553	388.9	341.0		62	43.6	43.1	+	108	76.0	75.3	+	50	35.2	33.4	
Garfield	117	82.4	83.2		354	249.3	318.4		41	28.9	28.2		61	43.0	41.9	-	22	15.5	15.4	-
Gilpin	22	150.1	163.8		30	204.6	357.5		3	20.5	25.8		2	13.6	19.0	-	4	27.3	23.8	
Grand	51	126.2	132.0		121	299.5	379.3		12	29.7	31.2		15	37.1	34.6	-	1	2.5	2.3	-
Gunnison	26	61.9	69.2		95	226.2	332.1		4	9.5	9.9	-	4	9.5	12.0	-	1	2.4	1.5	-
Hinsdale	5	207.7	241.0		4	166.2	181.2		0	0.0	0.0	-	0	0.0	0.0	-	0	0.0	0.0	-
Huerfano	34	142.0	141.1		91	380.0	286.9		3	12.5	13.0		13	54.3	59.0		9	37.6	39.1	
Jackson	6	124.5	133.9		7	145.2	152.7	-	0	0.0	0.0	-	0	0.0	0.0	-	1	20.7	21.6	
Jefferson	1,510	94.9	95.4		4,623	290.5	335.7		283	17.8	18.2	-	765	48.1	47.2	-	291	18.3	18.7	-
Kiowa	11	233.2	260.9	+	17	360.4	281.4		0	0.0	0.0	-	1	21.2	24.9		0	0.0	0.0	-
Kit Carson	33	137.3	138.1		114	474.4	406.7		6	25.0	23.7		5	20.8	21.0	-	2	8.3	9.7	-
Lake	38	160.4	167.9	+	64	270.2	385.1		4	16.9	18.3		15	63.3	57.2		9	38.0	34.3	
La Plata	115	82.9	81.4		298	214.9	249.3	-	36	26.0	27.1		46	33.2	31.3	-	11	7.9	7.7	-
Larimer	699	88.7	85.0	-	1,988	252.3	302.4	-	166	21.1	21.7	-	574	72.8	66.4	+	99	12.6	11.5	-
Las Animas	52	109.0	114.3		217	455.1	344.4		3	6.3	5.6	-	48	100.7	110.2	+	17	35.6	41.4	
Lincoln	9	49.0	44.9	-	41	223.0	202.8	-	4	21.8	20.3		9	49.0	44.7		6	32.6	30.5	
Logan	58	88.2	84.6		205	311.8	287.0	-	15	22.8	22.7		33	50.2	50.8		14	21.3	21.8	
Mesa	348	94.7	93.5		1,254	341.2	292.8	-	175	47.6	46.5	+	447	121.6	126.2	+	98	26.7	28.0	
Mineral	5	190.5	226.0		10	381.0	331.2		0	0.0	0.0	-	1	38.1	40.4		0	0.0	0.0	-
Moffat	39	97.9	101.3		101	253.6	325.4		8	20.1	21.5		12	30.1	29.5	-	5	12.6	12.6	-
Montezuma	73	100.3	102.2		207	284.5	260.7	-	31	42.6	42.4		48	66.0	71.7		17	23.4	25.8	
Montrose	100	94.2	98.9		319	300.5	252.0	-	17	16.0	15.8	-	62	58.4	64.3		7	6.6	7.3	-

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**H18. Injury hospitalizations, crude rates and age-adjusted rates by county or region of residence:
Colorado residents, 2001-2003 total, continued**

Place of Residence	Motor Vehicle Traffic			Fall			Poisoning			Suicide/Attempt			Assault/Legal Intervention			
	N	Crude Rate	Adj. Rate	Sig. Diff.	N	Crude Rate	Adj. Rate	Sig. Diff.	N	Crude Rate	Adj. Rate	Sig. Diff.	N	Crude Rate	Adj. Rate	Sig. Diff.
Morgan	129	154.1	158.7	+	311	371.5	349.5		32	38.2	37.1		66	78.8	82.7	+
Otero	69	116.1	118.9		258	434.0	350.2		25	42.1	43.5		49	82.4	91.5	+
Ouray	14	117.6	119.5		30	252.0	267.6		1	8.4	6.5	-	4	33.6	38.1	
Park	62	131.4	145.1	+	77	163.2	235.9	-	8	17.0	21.9		15	31.8	35.8	
Phillips	20	147.1	149.2		73	536.9	338.5		5	36.8	34.7		4	29.4	31.5	
Pitkin	47	96.2	89.7		164	335.6	435.9	+	26	53.2	67.3	+	27	55.3	58.5	
Prowers	51	119.8	121.9		163	382.8	381.4		14	32.9	31.4		39	91.6	92.0	+
Pueblo	466	105.9	104.4		1,906	433.0	385.1	+	160	36.4	35.7	+	588	133.6	138.2	+
Rio Blanco	15	83.0	90.2		43	238.0	266.1		1	5.5	7.0	-	0	0.0	0.0	-
Rio Grande	30	79.0	78.1		114	300.3	269.6	-	7	18.4	17.4		15	39.5	43.5	
Routt	41	65.2	65.7	-	158	251.3	388.4		7	11.1	9.1	-	22	35.0	32.7	-
Saguache	21	112.6	111.5		41	219.8	234.2	-	6	32.2	31.2		6	32.2	35.2	
San Juan	2	117.9	157.2		4	235.8	276.8		0	0.0	0.0	-	0	0.0	0.0	-
San Miguel	23	108.1	126.1		51	239.8	382.6		3	14.1	13.6		5	23.5	22.4	-
Sedgwick	10	121.6	118.9		29	352.7	199.7	-	0	0.0	0.0	-	2	24.3	30.9	
Summit	63	78.5	93.6		205	255.3	390.3		8	10.0	9.7	-	27	33.6	28.9	-
Teller	70	106.1	113.5		169	256.1	393.1		25	37.9	41.4		31	47.0	46.6	
Washington	21	139.5	151.1		44	292.2	222.9	-	2	13.3	10.8	-	7	46.5	47.8	
Weld	679	111.9	110.1	+	1,524	251.3	322.3		105	17.3	19.0	-	241	39.7	38.5	-
Yuma	39	130.7	131.8		113	378.8	299.6		6	20.1	17.2		6	20.1	23.0	-
Urban/Rural Region																
Denver CMSA	7,249	96.6	97.6		20,890	278.4	348.5		1,860	24.8	26.1		3,877	51.7	49.8	-
Other MSA	3,492	91.3	90.1	-	11,298	295.4	341.1		1,096	28.7	29.5	+	2,707	70.8	68.0	+
Rural non-remote	1,954	103.7	103.8	+	5,619	298.2	317.3	-	486	25.8	25.8		926	49.1	48.7	-
Rural remote	312	105.3	105.8		853	287.8	310.3	-	52	17.5	17.7	-	110	37.1	36.5	-
Regional Emergency and Trauma Advisory Councils																
Northwest	560	88.9	88.1		1,910	303.1	305.2	-	232	36.8	36.5	+	542	86.0	86.0	+
Western	248	99.2	98.9		831	332.4	285.7	-	40	16.0	15.7	-	109	43.6	45.6	
Southwest	239	87.7	86.4		633	232.2	257.3	-	76	27.9	28.5		113	41.4	40.3	-
Foothills	2,273	89.4	88.6	-	7,109	279.7	340.4		477	18.8	19.3	-	1,158	45.6	43.5	-
Central Mtn.	412	106.3	110.9	+	1,002	258.5	351.5		77	19.9	24.1		140	36.1	34.1	-
San Luis Valley	139	97.9	96.9		393	276.9	277.4	-	32	22.5	22.6		69	48.6	52.6	
Northeast	1,661	102.8	100.0		4,294	265.8	308.7	-	331	20.5	21.3	-	933	57.8	54.6	
Mile-High	5,178	101.3	103.4	+	14,118	276.2	352.3	+	1,413	27.6	29.4	+	2,770	54.2	52.6	
Plains to Peaks	1,428	82.2	82.5	-	4,974	286.3	371.6	+	527	30.3	31.8	+	903	52.0	50.0	-
Southern	693	104.2	102.5		2,799	420.7	366.0	+	232	34.9	34.0	+	764	114.8	118.2	+
Southeast	176	113.2	113.5		597	384.0	328.5		57	36.7	36.6		119	76.6	80.3	+

See Appendix E for definitions of regions. Data for Broomfield County are for year 2003 only.
+ or - indicates that the rate for the county or region is significantly higher or lower than the rate for the state.
Transfer or multiple records of the same events were excluded. Rates are per 100,000 population.
Age-adjusted rates are adjusted to the 2000 U.S. standard population.
See Appendix F for the definitions of mechanism of injury and their associated ICD-9-CM codes.
Data source: Colorado Health and Hospital Association.
Prepared by the Injury Epidemiology Program, Colorado Department of Public Health and Environment.

H19. Injury hospitalizations by mechanism and intent of injury: Colorado residents, 2001-2003 annual average

Mechanism of Injury	INTENT OF INJURY					
	Total	Unintentional	SuicideAttempt	Assault	Undetermined	Other
Total hospitalizations with mechanism mentioned	28,151	24,078	2,560	1,234	395	41
Cut/pierce	1,071	470	348	247	8	1
Drowning	40	38	1	1	1	—
Fall	12,960	12,929	19	4	9	—
Fire/burn	333	311	16	4	4	0
Firearm	285	64	44	154	14	9
Machinery	187	187	—	—	—	—
All transport	5,883	5,876	6	—	2	—
Motor vehicle traffic	4,367	4,360	6	—	2	—
Other transport	1,516	1,516	—	—	—	—
Natural/environment	728	720	2	—	6	—
Overexertion	653	653	—	—	—	—
Poisoning	3,577	1,169	2,100	3	315	1
Struck by/against	1,445	889	0	533	0	24
Suffocation/strangulation	67	32	32	2	1	—
Other or unspecified	1,422	1,091	44	293	38	7

Transfer or multiple records of the same event were excluded.

Sums may not add to total due to cases with more than one mechanism of injury mentioned.

"Other" intent category includes legal intervention and operations of war.

— represents categories in which no ICD-9-CM codes are assigned.

See Appendix F for the definitions of mechanism and intent of injury and their associated ICD-9-CM codes.

Data source: Colorado Health and Hospital Association.

Prepared by the Injury Epidemiology Program, Colorado Department of Public Health and Environment.

