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# **SUMMARY STATISTICS CHIRPP DATABASE**

**For the year 1998**

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## **WHAT IS CHIRPP?**

CHIRPP is a computerized information system that collects and analyzes data on injuries to people (mainly children) who are seen at the emergency rooms of ten children's hospitals and six general hospitals in Canada. Data collection began in April 1990 at the children's hospitals and between 1991 and 1994 in the general hospitals. CHIRPP is a program of the Child Injury Division of the Bureau of Reproductive and Child Health, Laboratory Centre for Disease Control (LCDC), Health Canada.

## **LIMITATIONS OF CHIRPP DATA**

This summary is created with information from the database of the Canadian Hospitals Injury Reporting and Prevention Program (CHIRPP). It is important to note that the injuries described herein do not represent all injuries in Canada — only those seen at the emergency departments of the sixteen hospitals in the CHIRPP network. Since the bulk of CHIRPP data comes from children's hospitals located in urban areas, the following groups are under-represented in the data: older adolescents and adults seen at general hospitals, native people, and people living in rural areas.

## **SUGGESTED REFERENCE AND REPORTING INFORMATION**

This summary and data from it may be copied and circulated freely, provided that the source is acknowledged. The following citation is recommended:

Injury data were obtained from the database of the Canadian Hospitals Injury Reporting and Prevention Program (CHIRPP), Health Canada.

If data from this summary are included in any other document or publication, it should be noted, where appropriate, that the information comes from sixteen hospitals (ten children's and six general) across Canada.

For additional information on the CHIRPP program, please contact the Child Injury Division, Laboratory Centre for Disease Control by phone at (613) 941-9918 or by FAX at (613) 941-9927.

## **INDEX OF TABLES**

### AGE AND SEX DISTRIBUTION OF INJURED PERSONS

Note: This distribution only includes the 10 pediatric and 6 general hospitals that participate in CHIRPP. For this reason, older adolescents and adults are under-represented.

### WHERE THE INJURY OCCURRED (LOCATION)

This variable provides a general description of the place where the person was when the injury occurred.

### WHERE THE INJURY OCCURRED (AREA)

This variable indicates the specific part of the place where the person was when the injury occurred.

Note: In many records either a general location or a specific area is identified.

### INCIDENT TYPE (INJURY GROUP)

This variable is used to facilitate the identification of certain types of injuries.

### WHAT WENT WRONG (BREAKDOWN EVENT)

This variable describes how things went wrong and led to the injury.

### MECHANISM OF INJURY

This variable describes the type of energy transfer or lack of vital substance that caused the injury.

### ACTIVITY (CONTEXT)

This variable describes the activity of the person at the time of injury.

### SAFETY EQUIPMENT OR DEVICES USED

This variable is used to indicate all safety equipment in use (or engaged) when the injury occurred.  
This variable is only relevant in a fraction of the injury events.

Note: As many as three safety devices may be listed on each patient's record. For this reason, the sum of safety devices in each age group exceeds the number of patients in that age group.

### TREATMENT PROVIDED IN THE EMERGENCY DEPARTMENT

This variable indicates how a person was treated (care received) while at the hospital emergency department. This variable is often used as an indicator of the severity of the injury.

Note: Fatalities include patients who were dead on arrival or who died in the emergency department. The database does not include records on people who died and were not taken to the hospital or those who died after admission.

### NATURE OF INJURY

This variable indicates the type of injury suffered by the injured person.

Note: As many as three injuries may be listed on each patient's record. For this reason, the sum of injuries in each age group exceeds the number of patients in that age group.

### BODY PART INJURED

This variable indicates the body part affected by the injury.

Note: As many as three injuries may be listed on each patient's record. For this reason, the sum of injuries in each age group exceeds the number of patients in that age group.

**AGE AND SEX DISTRIBUTION OF INJURED PERSONS**

<b>AGE GROUP</b>	<b>NUMBER</b>	<b>PERCENT MALE</b>
<1 year	3,853	54.3%
1-4 years	27,633	57.1%
5-9 years	23,245	58.1%
10-14 years	27,023	61.4%
15-19 years	10,994	63.2%
20-64 years	16,477	63.0%
65 + years	2,212	37.3%
<b>TOTAL</b>	<b>111,437</b>	<b>59.3%</b>

Note: This distribution only includes the 10 children's and 6 general hospitals that participate in CHIRPP. For this reason, older adolescents and adults are under-represented.

**WHERE THE INJURY OCCURRED (LOCATION)**

LOCATIONS	NUMBER AND PERCENT WITHIN AGE GROUP															
	<1 year		1-4 years		5-9 years		10-14 years		15-19 years		20-64 years		65 + years		All years	
Own home	2,826	73.3%	17,027	61.6%	7,673	33.0%	4,695	17.4%	1,670	15.2%	3,981	24.2%	884	40.0%	38,756	34.8%
Other home	262	6.8%	2,658	9.6%	2,093	9.0%	1,591	5.9%	569	5.2%	934	5.7%	112	5.1%	8,219	7.4%
Residential institution	1	0.03%	22	0.08%	14	0.06%	49	0.2%	69	0.6%	162	1.0%	174	7.9%	491	0.4%
School	45	1.2%	1,395	5.0%	4,989	21.5%	7,986	29.6%	2,348	21.4%	453	2.7%	2	0.09%	17,218	15.5%
Other institution or public administration area	17	0.4%	203	0.7%	281	1.2%	372	1.4%	119	1.1%	196	1.2%	23	1.0%	1,211	1.1%
Hospital or other health services location	22	0.6%	75	0.3%	25	0.1%	39	0.1%	23	0.2%	291	1.8%	21	0.9%	496	0.4%
Public park	29	0.8%	953	3.4%	1,468	6.3%	1,533	5.7%	483	4.4%	270	1.6%	13	0.6%	4,749	4.3%
Stadium or arena	1	0.03%	83	0.3%	454	2.0%	1,753	6.5%	915	8.3%	406	2.5%	4	0.2%	3,616	3.2%
Other sports or recreational facility	11	0.3%	296	1.1%	905	3.9%	2,146	7.9%	774	7.0%	498	3.0%	28	1.3%	4,658	4.2%
Street, highway, or public road	149	3.9%	869	3.1%	2,025	8.7%	2,560	9.5%	1,250	11.4%	1,777	10.8%	193	8.7%	8,823	7.9%
Trade or service area	114	3.0%	1,085	3.9%	404	1.7%	265	1.0%	397	3.6%	1,426	8.7%	108	4.9%	3,799	3.4%
Industrial or construction area	2	0.05%	2	0.01%	10	0.04%	18	0.07%	34	0.3%	538	3.3%	1	0.05%	605	0.5%
Other specified place	6	0.2%	120	0.4%	192	0.8%	301	1.1%	141	1.3%	488	3.0%	43	1.9%	1,291	1.2%
Unknown	368	9.6%	2,845	10.3%	2,712	11.7%	3,715	13.7%	2,202	20.0%	5,057	30.7%	606	27.4%	17,505	15.7%
<b>TOTAL</b>	<b>3,853</b>	<b>100.0%</b>	<b>27,633</b>	<b>100.0%</b>	<b>23,245</b>	<b>100.0%</b>	<b>27,023</b>	<b>100.0%</b>	<b>10,994</b>	<b>100.0%</b>	<b>16,477</b>	<b>100.0%</b>	<b>2,212</b>	<b>100.0%</b>	<b>111,437</b>	<b>100.0%</b>

This variable provides a general description of the place where the person situated when the injury occurred.

Note: In many records either a general location or a specific area is identified.

**WHERE THE INJURY OCCURRED (AREA)**

AREAS	NUMBER AND PERCENT WITHIN AGE GROUP															
	<1 year		1-4 years		5-9 years		10-14 years		15-19 years		20-64 years		65 + years		All years	
Room (eg. kitchen, bedroom, classroom)	1,961	50.9%	11,194	40.5%	4,115	17.7%	2,577	9.5%	1,040	9.5%	2,024	12.3%	467	21.1%	23,378	21.0%
Structure (eg. garage, barn)	8	0.2%	133	0.5%	111	0.5%	125	0.5%	89	0.8%	324	2.0%	39	1.8%	829	0.7%
Part of building or structure (eg. stairs, balcony)	365	9.5%	1,918	6.9%	862	3.7%	923	3.4%	380	3.5%	945	5.7%	220	9.9%	5,613	5.0%
Part of grounds, site, or street	246	6.4%	4,454	16.1%	8,824	38.0%	7,366	27.3%	1,906	17.3%	2,756	16.7%	385	17.4%	25,937	23.3%
Sports related areas	21	0.5%	340	1.2%	1,873	8.1%	6,494	24.0%	3,033	27.6%	1,360	8.3%	11	0.5%	13,132	11.8%
Body of water and shore	4	0.1%	63	0.2%	162	0.7%	237	0.9%	112	1.0%	246	1.5%	28	1.3%	852	0.8%
Other	72	1.9%	694	2.5%	191	0.8%	85	0.3%	163	1.5%	511	3.1%	40	1.8%	1,756	1.6%
Unknown	1,176	30.5%	8,837	32.0%	7,107	30.6%	9,216	34.1%	4,271	38.8%	8,311	50.4%	1,022	46.2%	39,940	35.8%
<b>TOTAL</b>	<b>3,853</b>	<b>100.0%</b>	<b>27,633</b>	<b>100.0%</b>	<b>23,245</b>	<b>100.0%</b>	<b>27,023</b>	<b>100.0%</b>	<b>10,994</b>	<b>100.0%</b>	<b>16,477</b>	<b>100.0%</b>	<b>2,212</b>	<b>100.0%</b>	<b>111,437</b>	<b>100.0%</b>

This variable indicates the specific part of the place where the person was when the injury occurred.

Note: In many records either a general location or a specific area is identified.

**INCIDENT TYPE**

INJURY GROUP	NUMBER AND PERCENT WITHIN AGE GROUP															
	<1 year		1-4 years		5-9 years		10-14 years		15-19 years		20-64 years		65 + years		All years	
Falls	1,220	31.7%	7,488	27.1%	6,271	27.0%	5,997	22.2%	1,628	14.8%	2,323	14.1%	854	38.6%	25,781	23.1%
Road traffic crash - pedestrian victim	5	0.1%	117	0.4%	268	1.2%	259	1.0%	103	0.9%	87	0.5%	21	0.9%	860	0.8%
Road traffic crash - bicyclist victim	1	0.03%	9	0.03%	109	0.5%	176	0.7%	39	0.4%	42	0.3%	3	0.1%	379	0.3%
Road traffic crash - motorcyclist victim	1	0.03%	0	0%	8	0.03%	20	0.07%	37	0.3%	84	0.5%	1	0.05%	151	0.1%
Motor vehicle crash occupant victim	92	2.4%	306	1.1%	384	1.7%	397	1.5%	417	3.8%	1,017	6.2%	94	4.2%	2,707	2.4%

This variable is used to facilitate the identification of certain types of injuries.

Note: Column percentages for this variable refer to the percentage of all injuries for each age group.

**WHAT WENT WRONG**

BREAKDOWN	NUMBER AND PERCENT WITHIN AGE GROUP															
	<1 year		1-4 years		5-9 years		10-14 years		15-19 years		20-64 years		65 + years		All years	
Falls by the victim	2,383	61.8%	14,755	53.4%	10,655	45.8%	8,744	32.4%	2,338	21.3%	3,954	24.0%	1,433	64.8%	44,262	39.7%
Loss of control of objects or movements	263	6.8%	2,246	8.1%	3,265	14.0%	5,487	20.3%	2,560	23.3%	4,678	28.4%	315	14.2%	18,814	16.9%
Being in proximity to danger	988	25.6%	8,765	31.7%	7,750	33.3%	10,681	39.5%	4,769	43.4%	5,598	34.0%	357	16.1%	38,908	34.9%
Acts by other persons	47	1.2%	650	2.4%	842	3.6%	1,419	5.3%	950	8.6%	1,089	6.6%	23	1.0%	5,020	4.5%
Other events	139	3.6%	881	3.2%	472	2.0%	479	1.8%	238	2.2%	651	4.0%	44	2.0%	2,904	2.6%
Unknown	33	0.9%	336	1.2%	261	1.1%	213	0.8%	139	1.3%	507	3.1%	40	1.8%	1,529	1.4%
<b>TOTAL</b>	<b>3,853</b>	<b>100.0%</b>	<b>27,633</b>	<b>100.0%</b>	<b>23,245</b>	<b>100.0%</b>	<b>27,023</b>	<b>100.0%</b>	<b>10,994</b>	<b>100.0%</b>	<b>16,477</b>	<b>100.0%</b>	<b>2,212</b>	<b>100.0%</b>	<b>111,437</b>	<b>100.0%</b>

This variable describes how things went wrong and led to the injury.

**MECHANISM OF INJURY**

MECHANISM	NUMBER AND PERCENT WITHIN AGE GROUP															
	<1 year		1-4 years		5-9 years		10-14 years		15-19 years		20-64 years		65 + years		All years	
Mechanical	3,534	91.7%	25,550	92.5%	22,838	98.2%	26,393	97.7%	10,423	94.8%	15,739	95.5%	2,171	98.1%	106,648	95.7%
Chemical	81	2.1%	1,082	3.9%	133	0.6%	354	1.3%	375	3.4%	337	2.0%	14	0.6%	2,376	2.1%
Thermal	191	5.0%	808	2.9%	196	0.8%	198	0.7%	120	1.1%	259	1.6%	24	1.1%	1,796	1.6%
Electrical	8	0.2%	84	0.3%	10	0.04%	8	0.03%	4	0.04%	14	0.08%	0	0%	128	0.1%
Radiation	1	0.03%	1	<0.01%	9	0.04%	14	0.05%	7	0.06%	45	0.3%	0	0%	77	0.07%
Asphyxiation	28	0.7%	55	0.2%	23	0.1%	25	0.09%	32	0.3%	32	0.2%	0	0%	195	0.2%
Other mechanism	2	0.05%	6	0.02%	2	0.01%	6	0.02%	10	0.09%	16	0.1%	0	0%	42	0.04%
Unknown	8	0.2%	47	0.2%	34	0.1%	25	0.09%	23	0.2%	35	0.2%	3	0.1%	175	0.2%
<b>TOTAL</b>	<b>3,853</b>	<b>100.0%</b>	<b>27,633</b>	<b>100.0%</b>	<b>23,245</b>	<b>100.0%</b>	<b>27,023</b>	<b>100.0%</b>	<b>10,994</b>	<b>100.0%</b>	<b>16,477</b>	<b>100.0%</b>	<b>2,212</b>	<b>100.0%</b>	<b>111,437</b>	<b>100.0%</b>

This variable describes the type of energy transfer or lack of vital substance that caused the injury.



**ACTIVITY**

CONTEXT	NUMBER AND PERCENT WITHIN AGE GROUP															
	<1 year		1-4 years		5-9 years		10-14 years		15-19 years		20-64 years		65 + years		All years	
Transportation	121	3.1%	896	3.2%	2,435	10.5%	2,540	9.4%	1,052	9.6%	1,782	10.8%	182	8.2%	9,008	8.1%
Occupational and educational	2	0.05%	6	0.02%	75	0.3%	179	0.7%	442	4.0%	3,311	20.1%	19	0.9%	4,034	3.6%
Sports and physical recreation activities	14	0.4%	285	1.0%	2,767	11.9%	10,109	37.4%	4,327	39.4%	1,977	12.0%	31	1.4%	19,510	17.5%
Leisure or recreation	913	23.7%	14,205	51.4%	11,251	48.4%	7,118	26.3%	1,477	13.4%	1,073	6.5%	61	2.8%	36,098	32.4%
Household activities	3	0.08%	53	0.2%	148	0.6%	256	0.9%	197	1.8%	856	5.2%	129	5.8%	1,642	1.5%
Maintenance	0	0%	11	0.04%	51	0.2%	98	0.4%	119	1.1%	1,237	7.5%	167	7.5%	1,683	1.5%
Personal activities	433	11.2%	1,304	4.7%	471	2.0%	321	1.2%	127	1.2%	262	1.6%	107	4.8%	3,025	2.7%
Other events	2,037	52.9%	8,534	30.9%	4,895	21.1%	5,496	20.3%	2,794	25.4%	4,486	27.2%	1,161	52.5%	29,403	26.4%
Unknown	330	8.6%	2,339	8.5%	1,152	5.0%	906	3.4%	459	4.2%	1,493	9.1%	355	16.0%	7,034	6.3%
<b>TOTAL</b>	<b>3,853</b>	<b>100.0%</b>	<b>27,633</b>	<b>100.0%</b>	<b>23,245</b>	<b>100.0%</b>	<b>27,023</b>	<b>100.0%</b>	<b>10,994</b>	<b>100.0%</b>	<b>16,477</b>	<b>100.0%</b>	<b>2,212</b>	<b>100.0%</b>	<b>111,437</b>	<b>100.0%</b>

This variable describes the activity of the person at the time of injury.

**SAFETY EQUIPMENT OR DEVICES USED**

SAFETY EQUIPMENT	NUMBER AND PERCENT WITHIN AGE GROUP															
	<1 year		1-4 years		5-9 years		10-14 years		15-19 years		20-64 years		65 + years		All years	
Helmet or hard hat	2	0.05%	162	0.6%	1,235	5.2%	2,652	9.2%	1,168	9.7%	768	4.4%	6	0.3%	5,993	5.2%
Sports padding (other than helmet)	2	0.05%	26	0.09%	395	1.7%	2,284	7.9%	1,323	11.0%	519	3.0%	1	0.04%	4,550	3.9%
Protective boots or clothing	0	0%	0	0%	25	0.1%	84	0.3%	83	0.7%	673	3.9%	11	0.5%	876	0.8%
Protective eyewear	2	0.05%	1	<0.01%	36	0.2%	160	0.6%	105	0.9%	524	3.0%	11	0.5%	839	0.7%
Seat belt	57	1.5%	223	0.8%	299	1.3%	254	0.9%	282	2.3%	695	4.0%	61	2.7%	1,871	1.6%
Infant or child car seat	85	2.2%	156	0.6%	14	0.06%	4	0.01%	2	0.02%	4	0.02%	0	0%	265	0.2%
Inflated air bag	1	0.03%	4	0.01%	6	0.03%	11	0.04%	18	0.1%	61	0.3%	10	0.4%	111	0.1%
Other safety device	2	0.05%	11	0.04%	27	0.1%	101	0.4%	102	0.8%	142	0.8%	2	0.09%	387	0.3%
Unknown or none	3,740	96.1%	27,158	97.9%	21,521	91.4%	23,243	80.7%	8,978	74.4%	14,067	80.6%	2,126	95.4%	100,833	87.1%
<b>TOTAL</b>	<b>3,891</b>	<b>100.0%</b>	<b>27,741</b>	<b>100.0%</b>	<b>23,558</b>	<b>100.0%</b>	<b>28,793</b>	<b>100.0%</b>	<b>12,061</b>	<b>100.0%</b>	<b>17,453</b>	<b>100.0%</b>	<b>2,228</b>	<b>100.0%</b>	<b>115,725</b>	<b>100.0%</b>

This variable is used to indicate all safety equipment in use (or engaged) when the injury occurred.

This variable is only relevant in a fraction of the injury events.

Note: As many as three safety devices may be listed on each patient's record. For this reason, the sum of safety devices in each age group exceeds the number of patients in that age group.

**TREATMENT PROVIDED BY THE EMERGENCY DEPARTMENT**

TREATMENT	NUMBER AND PERCENT WITHIN AGE GROUP															
	<1 year		1-4 years		5-9 years		10-14 years		15-19 years		20-64 years		65 + years		All years	
Left without being seen	60	1.6%	427	1.5%	288	1.2%	232	0.9%	134	1.2%	186	1.1%	9	0.4%	1,336	1.2%
Advice only	1,632	42.4%	6,204	22.5%	4,314	18.6%	4,788	17.7%	1,613	14.7%	1,198	7.3%	101	4.6%	19,850	17.8%
Treated, medical follow-up not required	1,182	30.7%	11,287	40.8%	8,185	35.2%	10,062	37.2%	4,576	41.6%	7,729	46.9%	709	32.1%	43,730	39.2%
Treated, medical follow-up required	602	15.6%	7,867	28.5%	8,513	36.6%	9,823	36.4%	3,661	33.3%	5,527	33.5%	736	33.3%	36,729	33.0%
Short stay, observation in emergency	121	3.1%	597	2.2%	426	1.8%	533	2.0%	263	2.4%	104	0.6%	12	0.5%	2,056	1.8%
Admitted	251	6.5%	1,231	4.5%	1,493	6.4%	1,558	5.8%	731	6.6%	1,707	10.4%	641	29.0%	7,612	6.8%
Fatalities	1	0.03%	2	0.01%	0	0%	4	0.01%	2	0.02%	15	0.09%	3	0.1%	27	0.02%
Unknown	4	0.1%	18	0.07%	26	0.1%	23	0.09%	14	0.1%	11	0.07%	1	0.05%	97	0.09%
<b>TOTAL</b>	<b>3,853</b>	<b>100.0%</b>	<b>27,633</b>	<b>100.0%</b>	<b>23,245</b>	<b>100.0%</b>	<b>27,023</b>	<b>100.0%</b>	<b>10,994</b>	<b>100.0%</b>	<b>16,477</b>	<b>100.0%</b>	<b>2,212</b>	<b>100.0%</b>	<b>111,437</b>	<b>100.0%</b>

This variable indicates how the person was treated (care received) while at the hospital emergency department. This variable is often used as an indicator of the severity of the injury.

Note: Fatalities include patients who were dead on arrival or who died in the emergency department. The database does not include records on people who died and were not taken to the hospital or those who died after admission.

## NATURE OF INJURY

NATURE	NUMBER AND PERCENT WITHIN AGE GROUP															
	<1 year		1-4 years		5-9 years		10-14 years		15-19 years		20-64 years		65 + years		All years	
Superficial (eg. bruise, abrasion)	805	19.1%	4,668	15.6%	5,089	20.1%	6,509	22.0%	2,938	24.0%	4,996	26.7%	687	26.3%	25,692	21.0%
Open wound	402	9.5%	8,257	27.7%	5,965	23.5%	3,384	11.5%	1,744	14.3%	3,853	20.6%	441	16.9%	24,046	19.6%
Fracture	400	9.5%	3,519	11.8%	5,707	22.5%	7,824	26.5%	2,195	18.0%	2,926	15.6%	991	38.0%	23,562	19.2%
Dislocation	158	3.8%	2,106	7.1%	216	0.9%	310	1.0%	242	2.0%	330	1.8%	31	1.2%	3,393	2.8%
Sprain or strain	55	1.3%	1,167	3.9%	2,622	10.3%	6,477	21.9%	2,732	22.4%	2,473	13.2%	101	3.9%	15,627	12.8%
Injury to nerve	1	0.02%	3	0.01%	7	0.03%	22	0.07%	24	0.2%	64	0.3%	4	0.2%	125	0.1%
Injury to blood vessel	1	0.02%	8	0.03%	9	0.04%	7	0.02%	14	0.1%	20	0.1%	1	0.04%	60	0.05%
Injury to muscle or tendon	8	0.2%	136	0.5%	279	1.1%	588	2.0%	334	2.7%	614	3.3%	48	1.8%	2,007	1.6%
Crushing injury	17	0.4%	274	0.9%	218	0.9%	143	0.5%	61	0.5%	90	0.5%	9	0.3%	812	0.7%
Amputation (complete or partial)	5	0.1%	80	0.3%	40	0.2%	28	0.09%	21	0.2%	55	0.3%	8	0.3%	237	0.2%
Burn or corrosion	241	5.7%	1,165	3.9%	271	1.1%	284	1.0%	148	1.2%	327	1.7%	28	1.1%	2,464	2.0%
Frostbite	1	0.02%	1	<0.01%	2	0.01%	9	0.03%	8	0.07%	7	0.04%	0	0%	28	0.02%
Bite (with or without envenomation)	16	0.4%	342	1.1%	393	1.5%	290	1.0%	87	0.7%	251	1.3%	33	1.3%	1,412	1.2%
Electrical injury	7	0.2%	68	0.2%	5	0.02%	9	0.03%	3	0.02%	12	0.06%	0	0%	104	0.08%
Eye injury	70	1.7%	452	1.5%	484	1.9%	384	1.3%	150	1.2%	647	3.5%	21	0.8%	2,208	1.8%
Dental injury	26	0.6%	520	1.7%	374	1.5%	201	0.7%	58	0.5%	57	0.3%	2	0.08%	1,238	1.0%
Injury to internal organ	4	0.09%	36	0.1%	59	0.2%	102	0.3%	30	0.2%	76	0.4%	16	0.6%	323	0.3%
Foreign body in external eye	5	0.1%	78	0.3%	99	0.4%	51	0.2%	52	0.4%	399	2.1%	11	0.4%	695	0.6%
Foreign body in ear canal	0	0%	179	0.6%	136	0.5%	31	0.1%	9	0.07%	22	0.1%	1	0.04%	378	0.3%
Foreign body in nose	5	0.1%	560	1.9%	75	0.3%	9	0.03%	1	0.01%	1	0.01%	0	0%	651	0.5%
Foreign body in respiratory tract	20	0.5%	74	0.2%	34	0.1%	22	0.07%	4	0.03%	10	0.05%	3	0.1%	167	0.1%
Foreign body in alimentary tract	91	2.2%	496	1.7%	199	0.8%	62	0.2%	16	0.1%	27	0.1%	4	0.2%	895	0.7%
Foreign body in genito-urinary tract	1	0.02%	7	0.02%	1	<0.01%	4	0.01%	0	0%	1	0.01%	0	0%	14	0.01%
Foreign body in soft tissue	8	0.2%	179	0.6%	245	1.0%	205	0.7%	69	0.6%	239	1.3%	19	0.7%	964	0.8%

**NATURE OF INJURY**

NATURE	NUMBER AND PERCENT WITHIN AGE GROUP															
	<1 year		1-4 years		5-9 years		10-14 years		15-19 years		20-64 years		65 + years		All years	
Other foreign body	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
Minor head injury	1,374	32.6%	3,270	11.0%	1,765	7.0%	1,349	4.6%	449	3.7%	313	1.7%	43	1.6%	8,563	7.0%
Concussion	28	0.7%	190	0.6%	323	1.3%	376	1.3%	164	1.3%	104	0.6%	6	0.2%	1,191	1.0%
Intracranial injury	25	0.6%	33	0.1%	51	0.2%	58	0.2%	34	0.3%	95	0.5%	40	1.5%	336	0.3%
Poisoning or toxic effect	67	1.6%	911	3.1%	101	0.4%	313	1.1%	357	2.9%	218	1.2%	11	0.4%	1,978	1.6%
Drowning or immersion	7	0.2%	23	0.08%	10	0.04%	8	0.03%	5	0.04%	2	0.01%	0	0%	55	0.04%
Asphyxia or other threat to breathing	16	0.4%	33	0.1%	11	0.04%	18	0.06%	18	0.1%	30	0.2%	0	0%	126	0.1%
Systemic over-exertion; heat/cold stress	0	0%	1	<0.01%	2	0.01%	5	0.02%	4	0.03%	11	0.06%	0	0%	23	0.02%
Other specified nature of injury	0	0%	0	0%	0	0%	0	0%	0	0%	1	0.01%	0	0%	1	<0.01%
Multiple injuries of more than one nature	5	0.1%	17	0.06%	35	0.1%	50	0.2%	47	0.4%	127	0.7%	21	0.8%	302	0.2%
No injury detected	292	6.9%	629	2.1%	287	1.1%	202	0.7%	90	0.7%	167	0.9%	25	1.0%	1,692	1.4%
Unknown	51	1.2%	379	1.3%	254	1.0%	204	0.7%	113	0.9%	144	0.8%	6	0.2%	1,151	0.9%
<b>TOTAL</b>	<b>4,212</b>	<b>100.0%</b>	<b>29,861</b>	<b>100.0%</b>	<b>25,368</b>	<b>100.0%</b>	<b>29,538</b>	<b>100.0%</b>	<b>12,221</b>	<b>100.0%</b>	<b>18,709</b>	<b>100.0%</b>	<b>2,611</b>	<b>100.0%</b>	<b>122,520</b>	<b>100.0%</b>

This variable indicates the type of injury suffered by the injured person.

Note: As many as three injuries may be listed on each patient's record. For this reason, the sum of injuries in each age group will exceed the number of patients in that age group.

**BODY PART INJURED**

BODY PART	NUMBER AND PERCENT WITHIN AGE GROUP															
	<1 year		1-4 years		5-9 years		10-14 years		15-19 years		20-64 years		65 + years		All years	
Head	473	11.2%	2,510	8.4%	1,642	6.5%	718	2.4%	329	2.7%	524	2.8%	122	4.7%	6,318	5.2%
Face	624	14.8%	6,766	22.7%	4,145	16.3%	2,198	7.4%	1,129	9.2%	1,559	8.3%	204	7.8%	16,625	13.6%
Internal mouth	118	2.8%	907	3.0%	357	1.4%	129	0.4%	45	0.4%	36	0.2%	3	0.1%	1,595	1.3%
Specified head injury	1,533	36.4%	5,285	17.7%	3,309	13.0%	2,461	8.3%	917	7.5%	1,640	8.8%	125	4.8%	15,270	12.5%
Neck	14	0.3%	243	0.8%	375	1.5%	619	2.1%	304	2.5%	603	3.2%	29	1.1%	2,187	1.8%
<b>Subtotal - head and neck</b>	<b>2,762</b>	<b>65.6%</b>	<b>15,711</b>	<b>52.6%</b>	<b>9,828</b>	<b>38.7%</b>	<b>6,125</b>	<b>20.7%</b>	<b>2,724</b>	<b>22.3%</b>	<b>4,362</b>	<b>23.3%</b>	<b>483</b>	<b>18.5%</b>	<b>41,995</b>	<b>34.3%</b>
<b>Spine and/or spinal cord</b>	<b>0</b>	<b>0%</b>	<b>4</b>	<b>0.01%</b>	<b>36</b>	<b>0.1%</b>	<b>68</b>	<b>0.2%</b>	<b>52</b>	<b>0.4%</b>	<b>181</b>	<b>1.0%</b>	<b>46</b>	<b>1.8%</b>	<b>387</b>	<b>0.3%</b>
Thorax	59	1.4%	357	1.2%	265	1.0%	374	1.3%	194	1.6%	701	3.7%	173	6.6%	2,123	1.7%
Upper Back	6	0.1%	62	0.2%	180	0.7%	249	0.8%	113	0.9%	227	1.2%	22	0.8%	859	0.7%
Abdomen	88	2.1%	550	1.8%	356	1.4%	293	1.0%	100	0.8%	107	0.6%	15	0.6%	1,509	1.2%
Lower Back	6	0.1%	113	0.4%	308	1.2%	493	1.7%	232	1.9%	819	4.4%	74	2.8%	2,045	1.7%
Pelvis	1	0.02%	15	0.05%	62	0.2%	68	0.2%	37	0.3%	72	0.4%	32	1.2%	287	0.2%
Perineum, external genitalia, and anus	8	0.2%	179	0.6%	260	1.0%	115	0.4%	33	0.3%	25	0.1%	3	0.1%	623	0.5%
<b>Subtotal - trunk</b>	<b>168</b>	<b>4.0%</b>	<b>1,276</b>	<b>4.3%</b>	<b>1,431</b>	<b>5.6%</b>	<b>1,592</b>	<b>5.4%</b>	<b>709</b>	<b>5.8%</b>	<b>1,951</b>	<b>10.4%</b>	<b>319</b>	<b>12.2%</b>	<b>7,446</b>	<b>6.1%</b>
Shoulder	25	0.6%	161	0.5%	244	1.0%	641	2.2%	389	3.2%	652	3.5%	96	3.7%	2,208	1.8%
Clavicle	32	0.8%	463	1.6%	363	1.4%	455	1.5%	155	1.3%	91	0.5%	6	0.2%	1,565	1.3%
Upper arm	48	1.1%	297	1.0%	482	1.9%	404	1.4%	98	0.8%	184	1.0%	91	3.5%	1,604	1.3%
Elbow	179	4.2%	2,955	9.9%	1,376	5.4%	1,189	4.0%	337	2.8%	333	1.8%	70	2.7%	6,439	5.3%
Forearm	61	1.4%	1,211	4.1%	2,242	8.8%	2,496	8.5%	540	4.4%	703	3.8%	169	6.5%	7,422	6.1%
Wrist	18	0.4%	407	1.4%	1,045	4.1%	2,226	7.5%	679	5.6%	646	3.5%	114	4.4%	5,135	4.2%
Hand	96	2.3%	714	2.4%	707	2.8%	1,526	5.2%	886	7.2%	1,360	7.3%	94	3.6%	5,383	4.4%
Finger or Thumb	126	3.0%	1,666	5.6%	2,111	8.3%	3,754	12.7%	1,391	11.4%	2,555	13.7%	197	7.5%	11,800	9.6%
<b>Subtotal - upper extremity</b>	<b>585</b>	<b>13.9%</b>	<b>7,874</b>	<b>26.4%</b>	<b>8,570</b>	<b>33.8%</b>	<b>12,691</b>	<b>43.0%</b>	<b>4,475</b>	<b>36.6%</b>	<b>6,524</b>	<b>34.9%</b>	<b>837</b>	<b>32.1%</b>	<b>41,556</b>	<b>33.9%</b>
Hip	6	0.1%	87	0.3%	118	0.5%	215	0.7%	88	0.7%	174	0.9%	351	13.4%	1,039	0.8%

**BODY PART INJURED**

BODY PART	NUMBER AND PERCENT WITHIN AGE GROUP															
	<1 year		1-4 years		5-9 years		10-14 years		15-19 years		20-64 years		65 + years		All years	
Thigh	69	1.6%	242	0.8%	355	1.4%	405	1.4%	172	1.4%	250	1.3%	61	2.3%	1,554	1.3%
Knee	16	0.4%	252	0.8%	868	3.4%	1,741	5.9%	760	6.2%	991	5.3%	110	4.2%	4,738	3.9%
Lower leg	77	1.8%	820	2.7%	714	2.8%	1,049	3.6%	360	2.9%	615	3.3%	99	3.8%	3,734	3.0%
Ankle	24	0.6%	383	1.3%	1,074	4.2%	2,669	9.0%	1,505	12.3%	1,583	8.5%	137	5.2%	7,375	6.0%
Foot	39	0.9%	896	3.0%	1,204	4.7%	1,475	5.0%	495	4.1%	965	5.2%	77	2.9%	5,151	4.2%
Toe	26	0.6%	284	1.0%	448	1.8%	670	2.3%	220	1.8%	377	2.0%	27	1.0%	2,052	1.7%
<b>Subtotal - lower extremity</b>	<b>257</b>	<b>6.1%</b>	<b>2,964</b>	<b>9.9%</b>	<b>4,781</b>	<b>18.8%</b>	<b>8,224</b>	<b>27.8%</b>	<b>3,600</b>	<b>29.5%</b>	<b>4,955</b>	<b>26.5%</b>	<b>862</b>	<b>33.0%</b>	<b>25,643</b>	<b>20.9%</b>
<b>Multiple injuries of more than one body part</b>	<b>6</b>	<b>0.1%</b>	<b>44</b>	<b>0.1%</b>	<b>56</b>	<b>0.2%</b>	<b>89</b>	<b>0.3%</b>	<b>73</b>	<b>0.6%</b>	<b>162</b>	<b>0.9%</b>	<b>22</b>	<b>0.8%</b>	<b>452</b>	<b>0.4%</b>
<b>Systemic injury; body part not applicable</b>	<b>383</b>	<b>9.1%</b>	<b>1,609</b>	<b>5.4%</b>	<b>412</b>	<b>1.6%</b>	<b>545</b>	<b>1.8%</b>	<b>474</b>	<b>3.9%</b>	<b>430</b>	<b>2.3%</b>	<b>36</b>	<b>1.4%</b>	<b>3,889</b>	<b>3.2%</b>
<b>Unknown</b>	<b>51</b>	<b>1.2%</b>	<b>379</b>	<b>1.3%</b>	<b>254</b>	<b>1.0%</b>	<b>204</b>	<b>0.7%</b>	<b>114</b>	<b>0.9%</b>	<b>144</b>	<b>0.8%</b>	<b>6</b>	<b>0.2%</b>	<b>1,152</b>	<b>0.9%</b>
<b>TOTAL</b>	<b>4,212</b>	<b>100.0%</b>	<b>29,861</b>	<b>100.0%</b>	<b>25,368</b>	<b>100.0%</b>	<b>29,538</b>	<b>100.0%</b>	<b>12,221</b>	<b>100.0%</b>	<b>18,709</b>	<b>100.0%</b>	<b>2,611</b>	<b>100.0%</b>	<b>122,520</b>	<b>100.0%</b>

This variable indicates the body part affected by the injury.

Note: As many as three injuries may be listed on each patient's record. For this reason, the sum of injuries in each age group will exceed the number of patients in that age group.