

**KENTUCKY INJURY PREVENTION
AND RESEARCH CENTER**

**Inpatient and Emergency Department
Traumatic Injury Data
Kentucky 2010**

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2010 Kentucky Inpatient and Emergency Department Trauma Data

Introduction

This edition of the Kentucky Inpatient and Emergency Department Trauma Data Report provides a broad overview of 2010 hospital care provided to Kentucky residents whose primary diagnosis was some form of physical trauma. It is important to note that the data sources for these tables are the hospital discharge and emergency department (ED) datasets for all Kentucky general acute-care hospitals. These figures are not the same as those reported in the Kentucky Trauma Registry, which includes more detailed data from the 7 Kentucky hospitals that have been verified by the American College of Surgeons (ACS) as trauma facilities. As Kentucky moves toward a broader and deeper network for trauma care, review of the full statewide hospital discharge and ED datasets gives a comprehensive account of trauma-related hospitalizations across the full range of facilities in the state.

This report sheds light on the magnitude of trauma as a public health issue because it includes many hospitalizations that do not require the services of a verified trauma center. The inpatient and ED datasets are notable for their size: on average, 52.6 Kentuckians per day were admitted to a Kentucky hospital for injury care in 2010, and an additional 788 received care for injuries in EDs. This figure does not include Kentuckians who receive care out-of-state, such as those treated at Cincinnati or Nashville facilities, nor does it include non-Kentuckians who receive injury-related care at Kentucky facilities. The tables that follow include detailed county-specific information for Kentucky hospitalizations and ED visits,¹ including causes of injury and 5-year cumulative figures for inpatient data.²

The report is based on the Kentucky inpatient hospital discharge (HD) uniform billing electronic records from 2001 to 2010 from all Kentucky general acute care hospitals, as well as the electronic emergency department (ED) visits records for 2010. All personal identifiers were removed from the data sets by the maintaining agency before our receipt. Reported frequencies reflect the number of visits or hospitalizations. They do not necessarily correspond to the number of injuries because follow-up care for an existing injury could not be identified and removed from the datasets. The hospital discharge data is coded according to the International Classification of Diseases, Clinical Modification, ninth revision (ICD-9-CM). The ICD system describes an injury using diagnosis codes and E-codes. An injury diagnosis code is a single code that describes the nature of the injury (e.g., fracture, open wound, etc.) and the body region (head, arm, skull, etc.). The first diagnosis code is called the principal diagnosis code and reflects the primary reason for the patient's hospital stay based on clinical findings. For the purpose of this report a case was selected as a traumatic injury case if the principal diagnosis was in the following range of codes 800-897, 900, 901, 902, 903, 904, 925, 926, 927, 928, 929, 940-949, 950-959.

Injury diagnoses should be supplemented (when circumstances of the injury are known) with E-codes, which include three groups: external-cause-of-injury E-codes, place-of-injury E-codes, and activity E-codes. The external-cause-of-injury E-code is a single code that describes the mechanism of injury (e.g., fall, motor-vehicle collision, firearm, etc.) and the intent of injury (e.g., unintentional, assault, self-inflicted, or undetermined). The state HD and ED electronic record systems currently support up to three E-codes. On average, about 85 percent of the HD and ED cases with principal injury diagnoses are supplemented with valid external-cause-of-injury E-codes. The completeness and validity of E-codes is

¹ County-specific reports of fewer than 5 patients are excluded in keeping with state data reporting standards that protect the identities of individual patients.

² Kentucky has only reported statewide ED data since 2008 and the 2010 report includes important reclassifications of visits that make it impossible to compare 2010 data with earlier years.

very important for successful injury surveillance, to identify priority areas and populations at higher risk to be targeted by injury prevention programs.

Inpatient Data

As in previous years, nearly four-fifths (78.8%) of hospitalizations were for unintentional injuries, that is injuries not the result of an interpersonal or self-directed intention to cause harm. It is likely that this proportion would be even higher if we had complete information for the 17.4% of trauma hospitalizations for which a cause was not noted (Table 6). With regard to cause, falls accounted for over two-thirds (69.1%) of all unintentional injury hospitalizations and over half (54.4%) of all inpatient stays regardless of cause (Table 7).

The most common age group among hospitalized patients with trauma diagnoses was age 65 and older; these individuals accounted for half (51.5%) of all trauma hospitalizations (Table 2). This age distribution is quite different from that of the Kentucky Trauma Registry, where over 60% of patients in any reporting year are in the 18-55 age range and fewer than 10% are over 65. The difference is primarily the result of including fall-related fractures, which are the leading cause of inpatient stays in those 65 and older. Isolated hip fracture, the most common cause of hospitalization following serious falls in older adults, is not included in the diagnostic categories reported in state trauma registries. This distinction also affects the distribution by gender (Table 1), which includes more women (56.4%) than men. In contrast, trauma registry data typically show a ratio of about 2 male patients for every female patient. For statewide trauma system planning, the inclusion of the large group of older adults hospitalized for injuries has important implications because identifies a substantial group that can usually be managed safely at community facilities.

The overrepresentation of older adults is also likely to account for the high proportion of discharges to skilled nursing facilities, 25.6%, home health, 10.5%, and inpatient rehabilitation, 11% (Table 5). Less than half (43.3%) of discharges were classified as routine or to home/self-care. This finding is particularly important because it indicates an ongoing cost of post-discharge care: nearly half of Kentuckians hospitalized for traumatic injury in 2010 required additional formal health services in the period immediately following discharge. While the proportion who died was relatively small (2.5%), it nonetheless reflects the deaths of 480 Kentuckians who survived traumatic injury to the point of hospitalization.

Trauma accounted for a total of 98,077 inpatient days in 2010, or an average of 5.1 days per inpatient stay (Table 3). While cost data are not reported in the hospital discharge dataset, inpatient care often costs thousands of dollars per day, suggesting the enormous financial burden this figure represents. The cost is borne disproportionately by public programs: Medicare and Medicaid total 64% of the payment mix (Table 4). Only 4.5% of inpatient hospitalizations were coded as self-pay or uninsured.

Inpatient hospitalizations for trauma have varied by about 4% over the past decade, reaching a high of 19,965 in 2007 and dropping to the decade's lowest level in 2010 (Fig. 1); population-based rates of hospitalization have likewise declined (Fig. 2). This finding is plausible in light of two related facts. First, the state's motor vehicle fatalities have dropped 22.8% between 2005 and 2010 and are at their lowest level since 1999. Second, health care continues to move from inpatient to outpatient settings, so the number of patients who avoid hospital admission, holding injury nature and severity constant, would be expected to increase. This phenomenon may be reflected in the substantial decline in the number of patients with a single day of inpatient care over the past decade, from nearly 17% to 14% (Table 3).

Emergency Department Data

Emergency department (ED) data has been collected statewide in Kentucky only since January 2008, and important reclassifications in the 2010 data make it impossible to compare trauma data with prior years. Regardless, the number of ED visits for traumatic injuries, 287,774, is large enough to warrant attention.

As with the inpatient data, falls are the most commonly reported cause of unintentional injury at 34.4% of the total (Table 12). Overexertion, the second most common cause of injury (15.2%), includes excessive physical effort and injuries due to lifting, pulling and pushing; this term also points to musculoskeletal injuries such as sprains or strains. The proportion of missing information regarding the cause of injury is higher in the ED dataset than for inpatient data, with 53,595 (18.6%) reported ED encounters for traumatic injury missing an indication of cause.

Unintentional injuries again account for the large majority (78.6%) of encounters and would undoubtedly be even greater if cause-of-injury data were available for all ED visits (Table 12). With regard to the manner of intentional injury, self-inflicted injuries are a much smaller factor than assaults by others (7,105 versus 598, Table 17), in contrast with their relative impact as causes of death. The non-traumatic nature of overdose, the most common means of suicide, is likely to be the primary reason for this discrepancy.

Teens and young adults had the largest proportion of ED visits, with nearly half (45.7%) falling in the 10 to 34-year-old range (Table 13). The difference between this finding and the preponderance of older adults in the inpatient dataset may reflect the relative underlying health status of these two age groups. Chronic conditions that complicate recovery from traumatic injuries are more common in older age groups. The ED data is roughly equal with regard to gender (47% female:53% male, Table 14), in contrast with the Kentucky Trauma Registry's typical 70% male composition.

Payment source data reflects a very different mix for ED trauma visits than for inpatient stays (Table 15). One-fifth of ED visits classified as either self-pay (21.4%) or charity (2.7%), categories indicating that the patient had no health insurance. These patients are often covered by either state Disproportionate Share Hospital funding through Medicaid, or by the facility itself, potentially shifting the cost to other payers. Another 24.9% were billed to Medicaid. The total for these two categories, 49%, is an important indicator of trauma's financial burden on state and local payers.

Conclusion

The Kentucky Hospital Discharge and Emergency Department datasets provide a broad and detailed perspective on traumatic injury across the state. A comprehensive statewide trauma network will help address injury care in a more systematic manner, but a stronger emphasis on injury prevention in policy and practice will be essential if Kentucky is to reduce the toll of injury on its residents and its economy.

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Figure 1: Traumatic injury hospitalizations for KY residents treated in acute care hospitals in KY

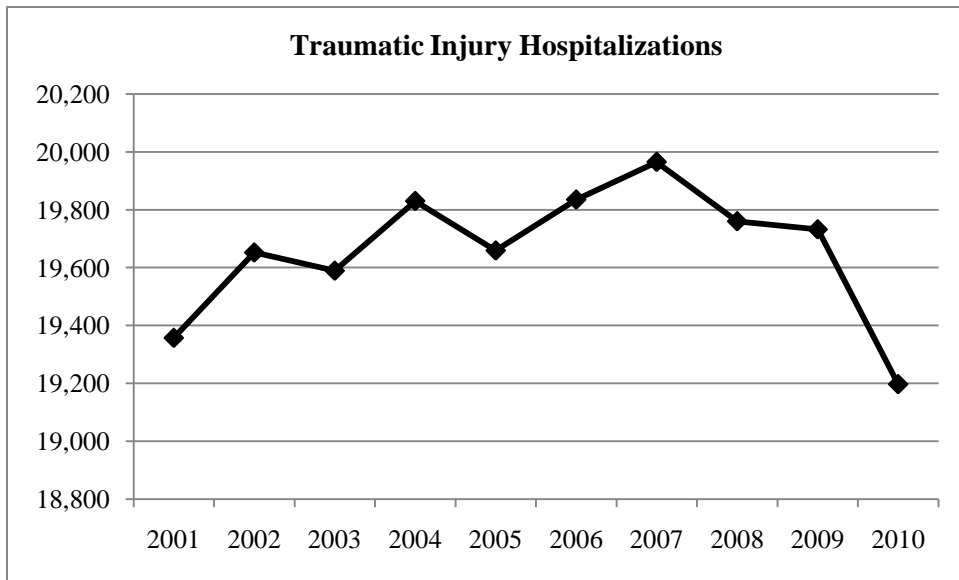
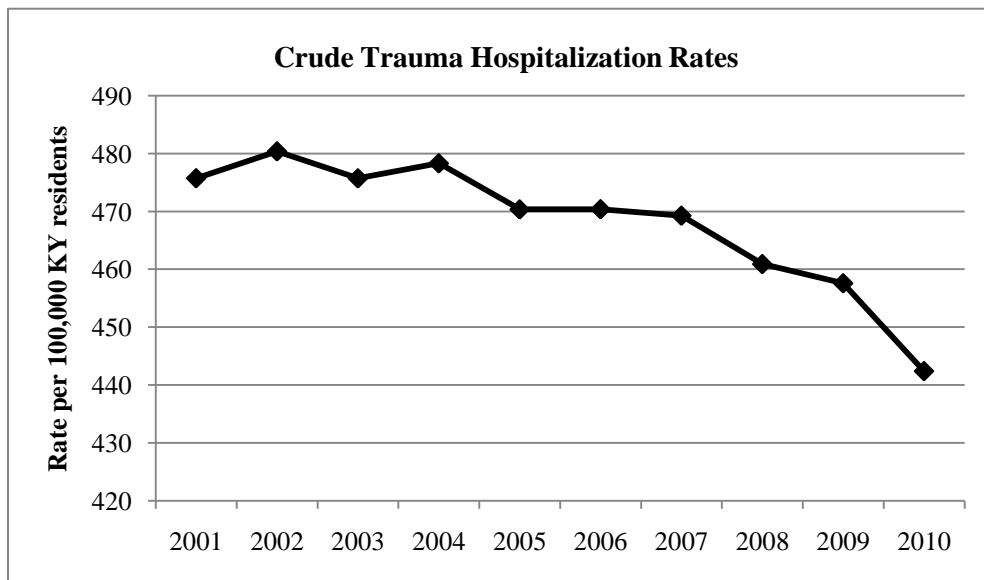


Figure 2: Crude traumatic injury hospitalization rates for KY residents treated in KY acute care hospitals



Source for the denominator data: <http://www.census.gov/popest/eval-estimates/eval-est2010.html>

Figure 3: Crude traumatic injury hospitalization rates for KY residents treated in KY acute care hospitals, by gender

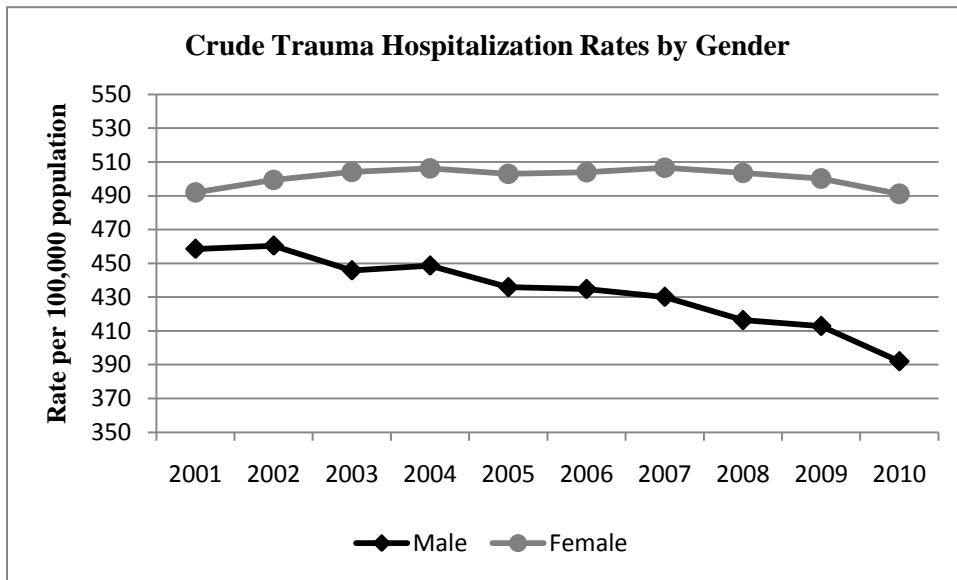


Figure 4: Percent of traumatic injury hospitalizations with valid external code of injury E-code, KY residents treated in KY acute care hospitals

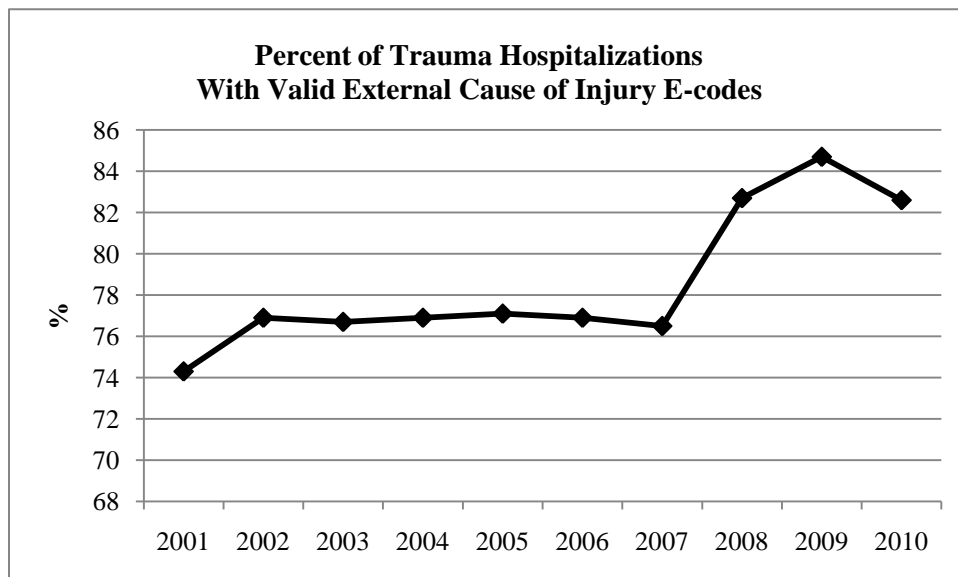


Table 1: Traumatic injury hospitalizations for KY residents treated in KY acute care hospitals, by gender

Trauma Hospitalizations	Year									
	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
	N	N	N	N	N	N	N	N	N	N
By Gender										
Female	10,226	10,434	10,613	10,706	10,719	10,845	10,981	11,012	10,989	10,827
Male	9,130	9,218	8,976	9,122	8,940	8,989	8,984	8,748	8,743	8,370

Table 2: Traumatic injury hospitalizations for KY residents treated in KY acute care hospitals in 2010, by age group

Hospitalizations for Traumatic Injuries KY Residents Treated in KY Acute Care Hospitals in 2010				
Age Group	# Hospitalizations	Percent	KY 2010 Population*	Hospitalization Rate per 100,000 Population
<5	316	1.2	282,367	111.9
5-9	226	1.2	282,888	79.9
10-14	297	1.6	284,154	104.5
15-19	581	3.0	296,795	195.8
20-24	618	3.2	289,968	213.1
25-29	652	3.4	285,296	228.5
30-34	649	3.4	280,920	231.0
35-39	734	3.8	285,411	257.2
40-44	778	4.1	291,251	267.1
45-49	934	4.9	323,642	288.6
50-54	1099	5.7	319,455	344.0
55-59	1203	6.3	288,027	417.7
60-64	1208	6.3	250,966	481.3
65-69	1279	6.7	185,664	688.9
70-74	1429	7.4	139,650	1023.3
75-79	1769	9.2	105,392	1678.5
80-84	2119	11.0	78,313	2705.8
85+	3306	17.2	69,208	4776.9

*http://ksdc.louisville.edu/census/2010demoprofiles/Kentucky_dp2010.pdf

Table 3: Length of stay for KY residents with traumatic injuries treated in KY acute care hospitals

Hospitalizations for Traumatic Injuries KY Residents Treated in KY Acute Care Hospitals												
Length of Stay	Year											
	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	Total	
Frequency Col Pct												
1 day	3,283 16.96	3,120 15.88	2,962 15.12	2,849 14.37	2,644 13.45	2,616 13.19	2,688 13.46	2,585 13.08	2,741 13.89	2,699 14.06	28,187	
2-6 days	11,670 60.29	11,999 61.06	12,012 61.32	12,605 63.57	12,580 63.99	12,664 63.85	12,673 63.48	12,564 63.58	12,667 64.20	12,419 64.69	123,853	
7-13 days	3,279 16.94	3,366 17.13	3,509 17.91	3,350 16.89	3,393 17.26	3,454 17.41	3,412 17.09	3,470 17.56	3,246 16.45	3,102 16.16	33,581	
14-20 days	625 3.23	658 3.35	625 3.19	596 3.01	620 3.15	600 3.02	687 3.44	633 3.20	623 3.16	537 2.80	6,204	
21-30 days	272 1.41	296 1.51	302 1.54	275 1.39	265 1.35	317 1.60	281 1.41	324 1.64	278 1.41	278 1.45	2,888	
31-60 days	195 1.01	183 0.93	156 0.80	137 0.69	135 0.69	164 0.83	192 0.96	156 0.79	159 0.81	140 0.73	1,617	
61+ days	33 0.17	30 0.15	23 0.12	18 0.09	22 0.11	20 0.10	32 0.16	28 0.14	18 0.09	22 0.11	246	
Total hospitalizations	19,357	19,652	19,589	19,830	19,659	19,835	19,965	19,760	19,732	19,197	196,576	
Total inpatient days	102,401	104,370	103,858	101,735	102,051	104,865	108,056	106,089	102,346	98,077	1,033,848	

Table 4: Primary payer billed for traumatic injury hospitalizations of KY residents treated in KY acute care hospitals

Hospitalizations for Traumatic Injuries KY Residents Treated in KY Acute Care Hospitals												
By Primary Payer	Year											
	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	Total	
Frequency Col Pct												
Champus	38 0.20	50 0.25	66 0.34	60 0.30	90 0.46	124 0.63	84 0.42	95 0.48	132 0.67	123 0.64	862	
Commercial Insurance	6,672 34.47	6,720 34.19	6,193 31.61	5,219 26.32	4,752 24.17	4,722 23.81	4,737 23.73	5,966 30.19	4,601 23.32	4,645 24.20	54,227	
Medicaid/Passport	1,398 7.22	1,493 7.60	1,610 8.22	1,665 8.40	1,641 8.35	1,795 9.05	1,703 8.53	1,616 8.18	1,701 8.62	2,077 10.82	16,699	
Medicare	8,349 43.13	8,352 42.50	8,742 44.63	8,891 44.84	8,879 45.17	9,537 48.08	9,727 48.72	10,031 50.76	10,157 51.47	10,217 53.22	92,882	
Other	1,214 6.27	1,376 7.00	1,422 7.26	1,759 8.87	1,970 10.02	1,516 7.64	1,487 7.45	1,003 5.08	1,815 9.20	774 4.03	14,336	
Self	792 4.09	823 4.19	768 3.92	1,405 7.09	1,507 7.67	1,358 6.85	1,492 7.47	926 4.69	895 4.54	869 4.53	10,835	
Workers Comp	894 4.62	838 4.26	788 4.02	831 4.19	820 4.17	783 3.95	735 3.68	123 0.62	431 2.18	492 2.56	6,735	
Total	19,357	19,652	19,589	19,830	19,659	19,835	19,965	19,760	19,732	19,197	196,576	

Table 5: Discharge status for traumatic injury hospitalizations of KY residents treated in KY acute care hospitals in 2010

Traumatic Injury Hospitalizations for KY Residents Treated in KY Acute Care Hospitals, 2010		
By Discharge Status	Frequency	Percent
Routine discharge (home/self care)	8,311	43.3
Skilled nursing facility (SNF)	4,912	25.6
Discharge/transferred to rehab facility or hospital unit	2,117	11.0
Home health	2,008	10.5
Expired/Did not recover	479	2.5
Transfer w/in institution to Medicare swing bed	374	2.0
Inpatient-other short-term hospital	333	1.7
Discharge/transferred to long-term care hospital	111	0.6
Designated Cancer Center or Children's Hospital	102	0.5
Intermediate care facility (ICF)	93	0.5
Hospice-medical facility	82	0.4
Left/discontinued care AMA	73	0.4
Other	62	0.3
Hospice-home	58	0.3
Discharged/transferred to psychiatric hospital or psychiatric distinct part unit of a hospital	50	0.3
Discharged/transferred to a federal hospital	22	0.1
Discharged/transferred to nursing facility certified under Medicaid - not Medicare	10	0.1
All	19,197	100.0

Table 6: Traumatic injury hospitalizations for KY residents treated in KY acute care hospitals, by intent of injury

Hospitalizations for Trauma Injuries KY Residents Treated in KY Acute Care Hospitals	Year									
	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
By Intent of Injury	N	N	N	N	N	N	N	N	N	N
Unintentional	13,619	14,384	14,312	14,484	14,405	14,499	14,568	15,640	15,976	15,120
Intentional	706	692	676	724	723	700	654	653	697	705
Other/Undetermined	65	45	44	42	34	48	45	47	36	38
Missing E-code*	4,967	4,531	4,557	4,580	4,497	4,588	4,698	3,420	3,023	3,334
All	19,357	19,652	19,589	19,830	19,659	19,835	19,965	19,760	19,732	19,197

*Cases without valid external cause of injury E-codes cannot be classified by intent of injury

Table 7: Unintentional traumatic injury hospitalizations for KY residents treated in KY acute care hospitals, by cause of injury

Unintentional Traumatic Injury Hospitalizations KY Residents Treated in KY Acute Care Hospitals	Year									
	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
	N	N	N	N	N	N	N	N	N	N
By Cause of Injury										
MV Traffic	3,455	3,671	3,480	3,542	3,357	3,327	2,937	2,870	2,965	2,335
Firearm	123	110	108	109	81	112	87	88	96	64
Falls	7,273	7,853	8,111	8,232	8,419	8,559	9,035	10,098	10,345	10,449
Fire/Burn	324	305	336	333	318	296	248	300	278	216
Cut/Pierce	188	161	149	145	156	151	133	142	160	123
Struck by/against	387	390	390	389	348	359	372	335	436	337
Machinery	185	208	192	164	153	136	130	131	120	144
Other Pedal Cycle	93	127	112	126	105	110	100	92	115	96
Other Pedestrian	38	37	28	36	29	24	22	25	31	18
Other Trans.	697	689	647	672	710	726	711	707	595	502
Natural/Environ.	94	130	145	121	121	112	136	125	123	118
Overexertion	237	236	211	226	195	196	198	219	207	196
Other Specified	205	180	181	155	166	161	181	187	193	204
Other or Not Specified	320	287	222	234	247	230	278	321	312	318
All	13,619	14,384	14,312	14,484	14,405	14,499	14,568	15,640	15,976	15,120

Recommended framework on E-code grouping for presenting injury data by cause and intent
http://www.cdc.gov/injury/wisqars/ecode_matrix.html

Table 8: Traumatic injury hospitalizations for KY residents treated in KY acute care hospitals, by county of patient's residence

County of patient's residence	Traumatic Injury Hospitalizations for KY Residents in KY Acute Care Hospitals									
	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Adair	130	85	77	117	98	95	111	104	110	86
Allen	87	83	96	76	90	111	96	91	95	75
Anderson	81	62	64	84	76	72	96	82	83	90
Ballard	41	43	34	32	37	35	42	41	41	33
Barren	240	240	211	244	233	229	224	211	197	178
Bath	46	51	51	49	63	57	65	69	54	55
Bell	215	216	219	224	172	169	162	148	150	140
Boone	175	199	202	215	220	247	269	308	273	246
Bourbon	102	97	91	77	82	89	100	91	99	106
Boyd	263	278	258	236	298	228	243	233	277	243
Boyle	151	126	134	139	145	136	159	157	165	139
Bracken	32	48	38	38	32	30	44	41	30	27
Breathitt	133	149	160	173	116	128	137	109	102	91
Breckinridge	100	68	86	78	79	100	92	90	83	80
Bullitt	235	211	232	213	260	278	267	286	228	240
Butler	68	66	55	75	72	53	56	51	49	50
Caldwell	74	85	78	84	68	60	64	77	54	59
Calloway	199	137	199	170	182	175	180	164	137	156
Campbell	252	273	259	250	251	275	282	268	266	256
Carlisle	33	41	35	44	32	37	34	43	51	35
Carroll	66	58	53	51	44	56	50	53	57	55
Carter	124	118	133	127	124	122	114	113	125	103
Casey	85	94	89	93	89	63	95	80	83	108
Christian	146	195	187	161	159	172	174	150	137	143
Clark	144	133	121	129	147	171	175	188	133	191
Clay	130	114	115	156	132	144	147	154	136	161
Clinton	94	96	115	111	89	80	82	98	85	65
Crittenden	63	65	58	62	66	42	62	73	60	49
Cumberland	54	63	69	65	66	61	63	49	55	54
Daviess	547	608	565	547	502	497	475	507	521	433
Edmonson	49	57	52	49	44	39	50	34	54	31
Elliott	19	33	26	29	26	24	25	16	22	23
Estill	62	68	84	66	82	86	74	83	89	76
Fayette	847	867	896	907	959	956	1,059	1,001	1,019	1,141
Fleming	88	77	88	105	101	75	75	87	81	73

County of patient's residence	Traumatic Injury Hospitalizations for KY Residents in KY Acute Care Hospitals									
	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Floyd	227	214	199	209	170	171	209	205	207	178
Franklin	256	256	222	205	206	211	191	220	219	204
Fulton	38	39	48	45	48	28	27	35	29	34
Gallatin	26	23	25	20	21	31	27	34	34	38
Garrard	51	71	81	81	80	83	81	75	84	80
Grant	83	87	81	92	78	98	90	91	87	78
Graves	273	298	292	266	297	301	315	285	277	232
Grayson	154	153	162	168	159	159	128	150	142	131
Green	61	65	56	78	63	68	73	79	67	66
Greenup	170	155	134	181	152	150	140	139	135	135
Hancock	55	68	53	45	47	56	42	46	39	30
Hardin	339	372	347	375	390	398	403	371	390	434
Harlan	208	168	147	135	129	104	104	92	137	114
Harrison	99	111	96	68	103	105	102	89	99	119
Hart	111	91	105	90	100	80	90	108	93	76
Henderson	243	223	233	164	184	195	169	155	178	137
Henry	87	90	79	99	96	104	97	113	101	107
Hickman	34	27	25	40	37	26	26	29	25	28
Hopkins	280	276	297	296	279	245	242	271	257	199
Jackson	59	74	77	88	73	84	84	94	104	79
Jefferson	3,545	3,596	3,640	3,716	3,749	3,796	3,683	3,605	3,612	3,689
Jessamine	138	132	162	142	160	159	181	192	191	177
Johnson	118	127	105	121	103	107	111	91	93	75
Kenton	479	468	424	447	444	439	503	539	495	488
Knott	106	113	116	135	84	126	99	97	111	92
Knox	137	183	128	163	168	168	171	151	139	147
Larue	59	61	68	80	63	58	68	51	61	65
Laurel	210	252	235	303	274	255	292	239	247	276
Lawrence	65	80	73	62	63	70	50	51	44	92
Lee	51	72	73	55	68	55	48	45	51	64
Leslie	82	85	85	76	62	83	83	69	91	72
Letcher	160	139	177	128	153	154	141	141	117	109
Lewis	33	49	55	39	45	65	37	46	29	35
Lincoln	131	125	119	125	123	151	136	123	138	144
Livingston	95	81	71	75	68	56	70	80	93	73
Logan	120	102	115	139	101	103	109	96	90	78
Lyon	40	60	42	46	42	46	45	47	54	55
McCracken	416	441	465	403	427	384	428	486	469	462

County of patient's residence	Traumatic Injury Hospitalizations for KY Residents in KY Acute Care Hospitals									
	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
McCreary	67	70	47	56	52	73	80	83	73	59
McLean	57	81	67	67	69	70	51	56	51	47
Madison	156	161	226	303	241	274	276	280	325	293
Magoffin	78	77	78	82	64	53	70	59	60	51
Marion	86	96	96	100	127	92	108	106	108	92
Marshall	234	201	222	200	184	164	179	196	217	177
Martin	44	46	49	52	43	37	43	27	32	36
Mason	94	102	71	84	76	107	76	73	76	72
Meade	70	83	96	75	104	76	69	97	83	89
Menifee	24	21	34	24	41	31	43	26	31	39
Mercer	110	120	109	117	130	128	130	135	130	125
Metcalfe	81	51	76	65	68	75	64	67	65	39
Monroe	105	116	85	110	108	99	87	92	78	77
Montgomery	89	83	98	103	91	129	123	115	144	125
Morgan	45	60	60	58	60	45	71	62	64	67
Muhlenberg	217	211	222	222	176	171	176	164	140	131
Nelson	233	242	206	266	257	248	257	235	252	274
Nicholas	49	59	48	41	53	38	61	53	54	37
Ohio	116	128	127	142	138	149	131	137	133	115
Oldham	168	181	170	203	174	201	196	202	221	205
Owen	35	41	42	42	42	53	53	46	54	37
Owsley	57	77	54	57	52	63	65	48	36	61
Pendleton	37	48	48	40	51	39	49	53	51	49
Perry	288	274	285	253	264	304	225	253	304	285
Pike	378	365	311	284	276	313	287	310	277	249
Powell	57	52	59	66	68	81	71	63	77	62
Pulaski	336	358	357	352	361	349	377	381	419	426
Robertson	14	10	19	13	17	18	14	12	12	12
Rockcastle	85	88	69	74	91	106	94	97	103	82
Rowan	72	89	92	85	93	126	101	102	97	99
Russell	102	95	90	111	109	99	98	115	110	117
Scott	130	109	131	132	129	144	161	160	164	173
Shelby	154	126	153	158	165	161	179	143	173	158
Simpson	61	62	71	58	77	86	74	76	61	55
Spencer	71	69	72	70	85	68	90	54	74	71
Taylor	127	138	161	159	147	163	167	160	152	153
Todd	38	39	30	29	35	33	42	25	28	33
Trigg	41	42	67	54	57	53	47	62	41	56

County of patient's residence	Traumatic Injury Hospitalizations for KY Residents in KY Acute Care Hospitals									
	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Trimble	46	39	34	49	45	46	42	47	62	41
Union	75	65	65	56	52	58	61	51	38	30
Warren	432	416	431	431	451	406	375	356	370	353
Washington	58	64	53	49	55	76	91	70	58	71
Wayne	91	107	102	114	92	101	93	106	87	111
Webster	101	81	83	89	81	68	71	67	71	58
Whitley	194	212	214	197	206	239	262	287	282	252
Wolfe	62	84	80	76	70	74	66	59	66	69
Woodford	78	82	87	86	87	84	81	112	98	101
KY statewide	19,357	19,652	19,589	19,830	19,659	19,835	19,965	19,760	19,732	19,197

Table 9: Traumatic injury hospitalization rates for KY residents treated in KY acute care hospitals, by county of patient's residence

County of patient's residence	Crude Rates* for Traumatic Injury Hospitalizations for KY Residents in KY Acute Care Hospitals									
	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Adair	74.5	48.4	43.7	66.4	55.4	53.3	62.0	58.2	61.1	48.2
Allen	48.8	46.1	52.9	41.5	48.8	59.4	50.9	47.7	50.1	39.3
Anderson	41.7	32.0	32.6	42.3	37.7	34.7	45.1	38.2	38.1	41.0
Ballard	49.9	52.8	41.3	38.9	44.9	42.8	51.5	49.8	50.1	40.1
Barren	62.4	62.2	54.1	61.9	58.2	56.5	54.5	50.9	47.2	42.7
Bath	40.7	44.6	44.5	42.7	54.5	49.2	56.4	58.9	46.5	47.0
Bell	72.6	72.6	74.0	76.2	58.8	58.0	55.9	50.9	51.8	48.3
Boone	19.4	21.3	20.8	21.3	20.8	22.5	23.8	26.5	23.1	20.4
Bourbon	52.6	50.1	46.8	39.3	41.6	45.5	50.9	46.1	50.2	54.0
Boyd	53.1	56.3	52.1	48.0	60.9	46.8	50.1	48.0	57.0	49.9
Boyle	54.6	45.4	48.1	49.0	50.8	47.3	55.0	53.8	56.3	47.0
Bracken	38.3	56.8	45.0	43.8	37.1	34.9	51.2	47.6	34.7	31.1
Breathitt	83.8	94.7	102.2	110.1	73.9	81.9	88.0	69.5	65.4	58.4
Breckinridge	53.5	36.2	45.6	41.3	41.5	52.8	48.3	47.0	43.7	42.1
Bullitt	37.2	32.6	34.9	30.9	36.6	38.4	36.2	38.3	30.2	31.5
Butler	51.9	50.3	41.7	56.1	54.2	39.6	42.1	38.2	36.7	37.1
Caldwell	57.7	66.5	61.1	66.0	53.3	47.0	50.0	59.7	41.8	45.8
Calloway	57.9	39.8	57.3	48.4	51.3	48.6	49.7	45.2	37.6	42.4
Campbell	28.4	30.9	29.5	28.6	28.7	31.5	32.3	30.6	30.0	28.7
Carlisle	62.1	77.1	66.3	83.1	60.9	70.4	65.8	83.4	98.3	67.5
Carroll	64.8	56.4	51.3	49.4	42.1	53.6	47.6	49.8	53.0	51.5
Carter	46.1	43.6	48.8	46.7	45.4	44.6	41.7	41.8	46.3	38.4
Casey	54.4	59.5	56.1	58.1	55.2	38.8	58.3	48.7	50.4	65.3
Christian	19.5	25.7	24.7	20.9	20.4	21.9	21.5	18.9	17.0	17.6
Clark	43.0	39.6	35.7	37.6	42.4	48.6	49.0	52.5	36.7	52.5
Clay	53.1	46.6	47.3	64.7	55.1	60.3	62.1	64.7	57.6	68.6
Clinton	98.2	100.6	120.9	117.1	94.4	85.6	86.9	103.5	90.8	69.7
Crittenden	68.0	71.0	63.4	68.8	73.4	46.2	68.2	79.3	66.1	54.0
Cumberland	75.7	88.5	97.4	91.6	94.9	87.9	92.5	72.5	82.3	81.1
Daviess	59.7	66.3	61.2	59.2	54.1	53.2	50.5	53.5	54.5	45.1
Edmonson	41.7	48.4	44.1	41.6	36.9	32.8	41.7	28.2	44.9	25.7
Elliott	28.3	49.1	38.2	42.8	37.7	32.4	33.0	19.8	26.5	27.0
Estill	40.6	44.7	55.8	44.1	55.3	57.9	49.7	55.8	60.0	51.2
Fayette	32.0	32.5	33.0	33.0	34.4	33.7	36.9	34.3	34.4	38.0
Fleming	62.6	54.4	61.3	72.8	69.8	51.8	51.2	59.3	55.2	49.3

County of patient's residence	Crude Rates* for Traumatic Injury Hospitalizations for KY Residents in KY Acute Care Hospitals									
	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Floyd	53.8	50.7	47.2	49.6	40.4	40.8	49.7	48.8	49.4	42.5
Franklin	53.1	53.1	46.1	42.4	42.5	43.5	39.3	44.8	44.7	41.6
Fulton	49.0	51.5	64.6	61.8	67.7	40.8	39.4	50.3	42.7	49.8
Gallatin	32.7	29.4	31.4	25.1	26.2	38.7	33.5	42.0	41.6	46.3
Garrard	33.8	45.7	51.2	50.7	48.8	49.8	47.7	44.0	49.3	46.8
Grant	36.0	37.0	33.9	38.0	32.0	39.6	35.8	35.6	34.1	30.5
Graves	73.8	80.6	78.5	71.6	79.5	80.5	83.8	75.8	73.3	60.8
Grayson	63.8	63.2	65.9	67.6	63.5	63.2	50.6	59.1	55.8	51.1
Green	52.8	56.3	48.4	68.3	55.2	59.2	63.7	68.7	58.6	58.4
Greenup	46.1	42.1	36.2	49.0	41.1	40.1	37.2	36.7	35.6	35.7
Hancock	65.3	80.7	62.9	53.6	55.1	65.3	48.9	53.3	45.2	34.7
Hardin	36.4	39.9	37.4	40.2	41.3	41.9	42.1	38.4	40.0	42.3
Harlan	64.3	52.0	46.2	43.2	41.5	33.5	33.5	29.8	44.3	37.1
Harrison	55.1	61.8	53.0	37.5	56.7	57.3	55.0	47.6	53.0	64.0
Hart	64.1	51.6	59.0	50.3	55.2	43.9	49.2	58.4	50.6	41.3
Henderson	54.2	49.6	51.8	36.4	40.8	43.2	37.4	34.1	39.2	30.0
Henry	57.4	59.2	51.3	63.9	61.6	66.1	61.5	71.2	63.4	67.6
Hickman	65.1	51.9	48.5	79.2	73.9	52.6	53.2	59.4	51.4	58.3
Hopkins	60.8	59.7	64.0	63.8	60.4	53.0	52.3	58.4	55.6	43.1
Jackson	43.5	54.8	57.3	65.8	54.2	62.6	62.5	69.7	78.3	59.3
Jefferson	51.0	51.6	52.1	53.1	53.4	53.9	51.8	50.2	50.0	50.8
Jessamine	34.7	32.5	39.2	33.7	37.0	35.6	39.7	40.9	40.1	36.8
Johnson	50.5	54.3	44.8	51.3	43.3	44.8	46.4	38.0	38.8	31.0
Kenton	31.5	30.8	27.8	29.2	28.9	28.3	32.0	34.1	31.1	30.6
Knott	60.6	64.2	66.2	77.7	48.2	73.1	57.9	56.5	64.7	54.2
Knox	43.5	58.1	40.5	51.4	52.5	52.3	53.0	46.5	42.4	44.8
Larue	44.2	45.6	51.3	59.9	46.8	42.8	50.1	37.5	44.8	47.8
Laurel	39.3	46.4	42.6	54.6	48.9	45.0	50.9	41.6	42.7	47.4
Lawrence	41.5	50.7	46.2	38.8	39.1	43.2	30.6	31.0	26.5	55.4
Lee	64.9	91.8	92.6	72.8	91.5	74.3	65.2	62.4	73.2	92.5
Leslie	67.2	69.7	70.5	64.0	52.2	70.7	71.0	59.5	79.0	62.8
Letcher	64.6	56.2	71.7	52.4	63.3	64.1	58.9	59.4	49.4	45.8
Lewis	23.4	35.5	39.9	28.1	32.4	46.4	26.3	33.0	20.9	25.4
Lincoln	55.2	52.3	49.1	51.1	49.4	60.3	54.1	49.2	54.9	57.3
Livingston	97.1	83.1	73.5	78.1	70.3	58.2	73.3	84.0	97.4	75.9
Logan	45.0	38.2	43.1	51.9	37.5	38.1	40.0	35.3	33.0	28.6
Lyon	49.1	73.7	51.4	55.8	50.6	54.9	53.9	56.5	65.3	66.7
McCracken	64.2	68.3	72.1	62.7	66.3	59.4	65.9	74.4	71.3	70.4

County of patient's residence	Crude Rates* for Traumatic Injury Hospitalizations for KY Residents in KY Acute Care Hospitals									
	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
McCreary	39.3	40.9	27.6	32.9	30.2	42.3	46.2	48.0	42.3	34.1
McLean	57.9	81.4	68.0	68.1	70.4	72.2	52.5	57.9	53.3	49.3
Madison	21.5	21.8	30.0	39.3	30.4	33.9	33.9	34.0	39.0	34.8
Magoffin	59.2	58.2	59.0	62.1	48.5	40.4	53.2	45.1	45.6	38.8
Marion	46.8	52.0	51.7	52.8	66.6	47.9	56.1	54.6	55.4	47.1
Marshall	77.7	66.5	73.0	65.5	59.9	52.9	57.3	62.8	69.6	56.7
Martin	35.5	37.2	39.9	39.5	31.7	27.6	32.4	20.4	24.4	27.7
Mason	56.0	60.7	42.5	50.1	45.1	62.7	44.2	42.0	43.7	41.3
Meade	24.6	28.9	33.5	25.6	35.5	26.3	24.1	34.2	29.9	31.8
Menifee	36.0	31.3	51.0	35.8	61.1	46.1	64.5	39.0	47.3	59.4
Mercer	52.9	57.1	51.3	54.8	60.4	59.4	59.9	61.9	59.4	56.8
Metcalfe	80.6	51.3	76.5	65.2	67.7	74.4	63.1	66.2	64.8	38.7
Monroe	89.3	99.1	72.7	94.7	91.8	84.3	74.7	79.8	67.4	66.1
Montgomery	39.0	35.9	41.8	43.5	37.6	52.1	48.9	45.0	55.6	48.1
Morgan	32.1	42.4	42.3	40.5	42.2	31.7	49.9	43.9	45.7	47.7
Muhlenberg	68.3	66.8	70.4	70.4	55.9	54.4	55.9	52.4	44.7	41.8
Nelson	61.0	62.3	52.1	66.2	62.8	59.3	60.5	54.5	57.8	61.8
Nicholas	71.6	84.9	68.8	58.5	76.0	54.7	88.1	76.9	78.8	54.1
Ohio	50.5	55.5	55.1	61.0	58.9	63.6	55.7	57.7	56.4	49.0
Oldham	35.2	37.0	33.5	39.0	32.7	36.5	34.7	35.0	38.2	35.1
Owen	32.9	37.8	38.6	37.8	37.7	47.4	46.6	40.2	47.4	32.6
Owsley	119.1	162.8	114.8	119.6	110.5	135.9	141.1	103.8	78.9	132.6
Pendleton	25.4	32.7	32.4	27.0	34.2	26.0	32.7	35.5	34.3	32.6
Perry	98.6	93.4	97.0	86.4	90.6	104.2	77.2	86.7	103.9	97.2
Pike	55.9	54.1	46.5	42.9	42.0	47.6	43.8	47.4	42.3	38.2
Powell	42.8	39.3	44.5	49.1	50.0	60.0	52.2	46.5	57.0	45.7
Pulaski	59.2	62.6	61.9	60.3	61.2	58.6	62.8	62.7	68.7	69.5
Robertson	62.4	43.9	83.0	57.2	76.5	79.1	63.3	53.7	53.4	53.6
Rockcastle	51.6	53.3	41.8	44.8	55.1	64.3	56.9	58.4	62.8	50.3
Rowan	32.3	40.0	41.4	38.6	42.0	56.1	44.6	44.8	42.3	43.2
Russell	62.7	58.2	54.8	66.6	64.9	58.3	57.6	66.8	63.6	68.1
Scott	37.7	30.7	35.8	34.9	32.8	34.7	37.4	35.8	35.8	36.9
Shelby	45.2	36.2	42.7	42.9	43.4	40.7	44.0	34.5	41.1	36.9
Simpson	36.8	37.4	42.7	34.6	45.6	50.6	43.4	44.6	35.7	32.0
Spencer	56.3	51.8	51.2	48.0	55.8	42.5	53.5	31.0	42.0	39.9
Taylor	55.4	59.1	68.9	67.6	61.9	68.0	69.3	65.9	62.3	62.2
Todd	31.7	32.7	25.3	24.7	29.6	27.7	35.0	20.6	22.8	27.0
Trigg	32.4	33.1	52.8	41.6	43.6	40.4	35.4	46.7	31.0	42.2

County of patient's residence	Crude Rates* for Traumatic Injury Hospitalizations for KY Residents in KY Acute Care Hospitals									
	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Trimble	54.3	45.3	39.0	54.9	50.7	51.3	46.5	51.6	68.7	45.6
Union	49.0	42.4	42.5	36.6	34.3	38.5	41.0	34.3	25.7	20.3
Warren	46.0	43.9	44.6	44.0	45.0	39.5	35.9	33.4	34.0	32.0
Washington	52.8	57.5	47.4	43.7	48.8	66.9	78.9	61.2	50.8	61.0
Wayne	45.7	53.4	50.3	55.9	45.1	49.5	45.3	51.4	42.2	53.7
Webster	72.4	57.9	59.6	63.7	57.8	49.0	51.1	49.0	51.7	42.5
Whitley	53.2	57.8	57.8	52.7	54.6	63.1	68.6	74.5	73.0	65.6
Wolfe	89.2	120.4	114.5	108.8	98.8	104.0	92.2	83.0	92.3	96.8
Woodford	33.4	35.0	36.8	36.1	36.2	34.6	33.2	45.2	39.2	39.9
KY statewide	47.6	48.0	47.6	47.8	47.0	47.0	46.9	46.1	45.8	44.2

*Rates based on less than 20 hospitalizations are not stable and should be interpreted with caution. These rates are unstable because they can change dramatically with the addition or subtraction of one case

Table 10: Traumatic Injury Hospitalizations, KY Residents Treated in KY Acute Care Hospitals in 2010, by county of residence and intent of injury

Hospitalizations for Trauma Injuries, KY Residents Treated in KY Acute Care Hospitals, 2010	By Intent of Injury			All
	Unintentional	Intentional	Undetermined/Missing**	
	N	N	N	N
By County				
Adair	67	*	15	86
Allen	54	*	20	75
Anderson	75	*	14	90
Ballard	30	.	*	33
Barren	157	*	18	178
Bath	50	*	*	55
Bell	111	6	23	140
Boone	205	7	34	246
Bourbon	86	5	15	106
Boyd	213	*	26	243
Boyle	122	*	13	139
Bracken	18	*	8	27
Breathitt	72	5	14	91
Breckinridge	54	*	25	80
Bullitt	170	11	59	240
Butler	38	*	11	50
Caldwell	42	*	14	59
Calloway	140	*	14	156
Campbell	202	*	50	256
Carlisle	31	*	*	35
Carroll	36	5	14	55
Carter	92	*	10	103
Casey	85	*	21	108
Christian	109	11	23	143
Clark	153	11	27	191
Clay	119	12	30	161
Clinton	51	*	12	65
Crittenden	39	.	10	49
Cumberland	34	.	20	54
Daviess	345	16	72	433
Edmonson	22	.	9	31
Elliott	19	*	*	23
Estill	66	*	9	76
Fayette	882	67	192	1141
Fleming	64	*	8	73
Floyd	127	*	49	178
Franklin	168	6	30	204
Fulton	27	*	*	34
Gallatin	33	*	*	38
Garrard	68	*	10	80
Grant	68	.	10	78
Graves	210	*	18	232
Grayson	87	*	41	131

Hospitalizations for Trauma Injuries, KY Residents Treated in KY Acute Care Hospitals, 2010	By Intent of Injury			All
	Unintentional	Intentional	Undetermined/Missing**	
	N	N	N	
Green	49	.	17	66
Greenup	114	*	19	135
Hancock	23	*	6	30
Hardin	368	*	58	434
Harlan	93	*	18	114
Harrison	105	*	11	119
Hart	54	.	22	76
Henderson	115	*	20	137
Henry	74	5	28	107
Hickman	22	*	*	28
Hopkins	189	5	5	199
Jackson	71	*	6	79
Jefferson	2690	249	750	3689
Jessamine	132	*	41	177
Johnson	65	*	7	75
Kenton	435	7	46	488
Knott	69	*	21	92
Knox	123	6	18	147
Larue	51	*	13	65
Laurel	246	10	20	276
Lawrence	75	*	16	92
Lee	54	*	8	64
Leslie	47	*	23	72
Letcher	71	*	36	109
Lewis	25	*	9	35
Lincoln	116	*	27	144
Livingston	53	*	19	73
Logan	64	*	12	78
Lyon	43	*	10	55
McCracken	394	22	46	462
McCreary	49	*	9	59
McLean	41	*	*	47
Madison	230	9	54	293
Magoffin	46	.	5	51
Marion	56	*	32	92
Marshall	118	*	57	177
Martin	28	.	8	36
Mason	60	*	11	72
Meade	68	6	15	89
Menifee	31	*	6	39
Mercer	103	*	19	125
Metcalfe	30	*	8	39
Monroe	55	*	20	77
Montgomery	94	6	25	125
Morgan	56	.	11	67
Muhlenberg	107	*	21	131
Nelson	214	6	54	274
Nicholas	27	*	8	37

Hospitalizations for Trauma Injuries, KY Residents Treated in KY Acute Care Hospitals, 2010	By Intent of Injury			All
	Unintentional	Intentional	Undetermined/Missing**	
	N	N	N	N
Ohio	75	*	37	115
Oldham	157	7	41	205
Owen	26	*	9	37
Owsley	48	*	11	61
Pendleton	42	*	6	49
Perry	208	9	68	285
Pike	212	6	31	249
Powell	52	*	9	62
Pulaski	353	*	69	426
Robertson	10	*	*	12
Rockcastle	69	5	8	82
Rowan	81	*	16	99
Russell	96	*	18	117
Scott	140	10	23	173
Shelby	99	6	53	158
Simpson	39	.	16	55
Spencer	49	*	20	71
Taylor	124	*	25	153
Todd	26	.	7	33
Trigg	45	.	11	56
Trimble	31	*	6	41
Union	25	.	5	30
Warren	281	*	69	353
Washington	48	.	23	71
Wayne	81	*	26	111
Webster	55	*	*	58
Whitley	232	*	17	252
Wolfe	47	*	20	69
Woodford	85	*	15	101
All	15,120	705	3,372	19,197

*Totals less than 5 were suppressed by state data management policy

** Cases without valid external cause of injury E-codes cannot be classified by intent of injury

Table 11: Traumatic injury hospitalizations by cause of injury and county of residence, 5-year totals, 2006-2010

Hospitalizations for Traumatic Injuries, KY Residents Treated in KY Acute Care Hospitals	Traumatic Injury Hospitalizations by Cause of Injury									All
	5-year totals, 2006-2010									
	MVTC	Fire arm	Fall	Fire/ Burn	Cut/ Pierce	Struck by/ against	Other Trans	Other	Missing E-codes	
N	N	N	N	N	N	N	N	N	N	
By County										
Adair	98	*	229	12	10	12	25	41	75	506
Allen	46	*	243	*	6	6	16	24	122	468
Anderson	71	5	214	*	*	8	16	25	78	423
Ballard	24	.	116	.	*	*	9	12	24	192
Barren	162	9	630	18	10	21	33	39	117	1,039
Bath	64	*	103	8	5	13	19	21	65	300
Bell	77	12	396	22	18	20	43	56	125	769
Boone	77	*	715	8	6	34	24	94	383	1,343
Bourbon	98	9	170	*	14	6	19	30	136	485
Boyd	79	6	838	12	13	8	17	62	189	1,224
Boyle	90	8	446	*	10	15	15	36	132	756
Bracken	30	*	75	.	*	*	5	12	44	172
Breathitt	102	11	200	11	12	16	49	51	115	567
Breckinridge	97	5	184	5	5	14	18	40	77	445
Bullitt	267	16	533	23	22	31	53	88	266	1,299
Butler	33	.	137	*	*	6	13	13	52	259
Caldwell	8	*	200	*	*	13	17	21	43	314
Calloway	86	*	562	7	14	18	20	34	67	812
Campbell	49	.	738	10	10	23	13	65	439	1,347
Carlisle	26	*	117	*	*	6	9	13	25	200
Carroll	44	*	102	5	7	12	10	28	61	271
Carter	74	6	318	14	*	13	28	35	86	577
Casey	84	*	183	6	7	6	24	21	96	429
Christian	63	11	471	7	28	25	19	74	78	776
Clark	150	9	402	10	13	18	23	35	198	858
Clay	170	15	236	15	18	28	78	37	145	742
Clinton	83	7	164	32	*	11	17	31	61	410
Crittenden	31	*	181	*	*	*	10	10	43	286
Cumberland	34	5	131	6	5	11	19	11	60	282
Daviess	286	27	1,333	35	44	87	54	149	418	2,433
Edmonson	42	*	90	*	*	5	13	18	34	208
Elliott	19	*	55	.	*	*	5	6	19	110
Estill	91	12	166	*	10	6	22	15	84	408
Fayette	736	95	2,301	54	107	140	88	291	1,364	5,176
Fleming	69	5	194	9	8	10	19	31	46	391
Floyd	123	10	404	13	8	24	46	77	265	970
Franklin	139	7	591	8	11	29	34	44	182	1,045
Fulton	15	*	78	*	8	7	*	18	22	153
Gallatin	30	.	67	*	*	*	*	10	44	164
Garrard	76	8	173	*	*	8	18	28	86	403
Grant	52	*	215	*	*	9	12	26	122	444
Graves	213	8	819	11	20	48	57	72	162	1,410

Hospitalizations for Traumatic Injuries, KY Residents Treated in KY Acute Care Hospitals	Traumatic Injury Hospitalizations by Cause of Injury									All N
	5-year totals, 2006-2010									
	MVTC	Fire arm	Fall	Fire/ Burn	Cut/ Pierce	Struck by/ against	Other Trans	Other	Missing E-codes	
	N	N	N	N	N	N	N	N	N	
Grayson	139	8	334	11	6	23	32	32	125	710
Green	44	*	177	*	*	8	13	21	81	353
Greenup	68	*	442	*	10	19	19	31	106	699
Hancock	30	*	106	*	7	10	15	7	33	213
Hardin	369	22	1,075	36	27	54	58	128	227	1,996
Harlan	51	*	291	22	7	25	17	47	89	551
Harrison	97	*	278	6	*	15	16	27	68	514
Hart	82	5	218	9	5	11	19	31	67	447
Henderson	123	6	473	26	11	26	26	59	84	834
Henry	87	8	221	10	7	13	33	35	108	522
Hickman	18	*	72	.	*	6	5	11	19	134
Hopkins	110	10	770	21	20	41	52	119	71	1,214
Jackson	116	8	164	10	6	16	32	20	73	445
Jefferson	2,548	512	9,116	329	343	671	225	1,107	3,534	18,385
Jessamine	169	12	343	*	20	22	41	49	240	900
Johnson	44	*	235	6	5	14	15	43	112	477
Kenton	112	*	1,435	9	13	42	26	138	687	2,464
Knott	81	7	207	9	8	22	35	33	123	525
Knox	146	9	323	11	14	28	55	53	137	776
Larue	66	*	163	5	*	8	13	14	32	303
Laurel	275	14	624	22	23	37	71	84	159	1,309
Lawrence	20	*	173	*	6	9	*	25	66	307
Lee	72	5	90	*	13	*	14	16	46	263
Leslie	60	5	125	*	5	15	39	23	123	398
Letcher	102	7	246	10	13	22	26	39	197	662
Lewis	39	.	103	.	*1	7	12	10	40	212
Lincoln	152	12	301	8	6	15	31	35	132	692
Livingston	44	5	188	5	*	12	33	28	55	372
Logan	43	.	265	13	*	15	13	26	97	476
Lyon	19	*	155	*	*	10	7	15	34	247
McCracken	264	17	1,388	17	33	72	53	153	232	2,229
McCreary	60	6	161	.	*	10	12	23	93	368
McLean	42	5	153	*	5	10	11	14	31	275
Madison	253	18	512	17	26	33	58	84	447	1,448
Magoffin	38	*	135	5	*	11	7	32	58	293
Marion	80	*	169	12	7	19	29	16	170	506
Marshall	135	8	478	6	12	17	36	49	192	933
Martin	22	.	71	*	8	*	8	17	43	175
Mason	82	*	189	*	5	*	12	20	87	404
Meade	112	7	181	*	7	12	15	26	50	414
Menifee	40	*	57	*	*	6	9	14	39	170
Mercer	110	13	314	5	*	8	15	37	143	648
Metcalfe	60	*	146	8	*	13	14	26	37	310
Monroe	44	6	238	11	*	10	21	22	78	433
Montgomery	147	7	197	9	5	15	31	26	199	636
Morgan	65	*	106	10	8	5	19	26	67	309

Hospitalizations for Traumatic Injuries, KY Residents Treated in KY Acute Care Hospitals	Traumatic Injury Hospitalizations by Cause of Injury									All
	5-year totals, 2006-2010									
	MVTC	Fire arm	Fall	Fire/Burn	Cut/Pierce	Struck by/against	Other Trans	Other	Missing E-codes	
N	N	N	N	N	N	N	N	N	N	
Muhlenberg	97	6	400	15	16	13	26	65	144	782
Nelson	211	15	666	22	13	41	55	71	172	1,266
Nicholas	32	6	116	*	*	10	10	16	49	243
Ohio	128	9	234	12	9	13	34	34	192	665
Oldham	160	9	508	15	21	27	37	73	175	1,025
Owen	40	*	101	*	*	7	8	19	60	243
Owsley	54	6	87	*	9	6	19	26	62	273
Pendleton	27	*	112	.	*	*	10	19	68	241
Perry	225	20	576	18	40	57	88	62	285	1,371
Pike	216	10	716	10	19	72	59	93	241	1,436
Powell	83	6	141	5	*	13	17	20	67	354
Pulaski	352	19	883	23	19	50	77	123	406	1,952
Robertson	12	.	28	.	*	*	*	7	17	68
Rockcastle	102	9	197	*	8	15	21	41	85	482
Rowan	112	*	231	6	6	12	20	34	100	525
Russell	104	*	248	8	7	12	25	34	98	539
Scott	188	12	338	6	17	17	31	45	148	802
Shelby	130	8	271	12	15	30	34	37	277	814
Simpson	30	*	212	*	*	*	*	12	86	352
Spencer	81	*	123	11	5	14	17	28	76	357
Taylor	129	*	402	12	13	24	34	54	124	795
Todd	10	.	102	*	*	8	5	7	26	161
Trigg	26	*	177	*	*	5	9	13	26	259
Trimble	55	*	83	10	5	15	14	13	42	238
Union	37	5	129	6	*	8	*	19	28	238
Warren	157	8	1,149	7	19	53	39	119	309	1,860
Washington	67	*	146	*	5	8	16	17	101	366
Wayne	86	8	222	9	9	15	22	26	101	498
Webster	57	*	175	*	6	18	12	42	20	335
Whitley	206	17	747	23	29	25	59	108	108	1,322
Wolfe	88	7	96	9	10	8	30	16	70	334
Woodford	75	*	202	6	*	5	22	34	129	476
All	14,465	1,323	48,546	1,387	1,536	2,856	3,241	6,062	19,073	98,489

*Totals less than 5 were suppressed by state data management policy

Table 12: Traumatic injury ED visits for KY residents treated in KY ED facilities, 2010

Traumatic injury ED visits for KY residents treated in KY facilities, 2010					
By Cause	By Intent				
	Unintentional	Intentional	Other/ Undetermined	Missing information on intent	Total
MV Traffic	30,037	10	*	0	30,048
Firearm	288	109	26	0	423
Poisonings	30	5	7	0	42
Falls	77,814	9	43	0	77,866
Suffocation	*	24	*	0	27
Drowning	25	*	*	0	27
Fire/burn	4,123	20	26	0	4,169
Cut/pierce	22,792	889	21	0	23,702
Struck by/against	27,269	3,804	94	0	31,167
Machinery	1,115	0	0	0	1,115
Other pedal cyclist	2,370	0	0	0	2,370
Other pedestrian	140	0	0	0	140
Other transportation	4,320	0	0	0	4,320
Natural/Environmental	4,571	0	0	0	4,571
Overexertion	34,329	0	0	0	34,329
Other Specified and classifiable	5,199	241	*	0	5,444
Other specified, not elsewhere classifiable	4,111	1,333	46	0	5,490
Not specified	7,648	1,258	23	0	8,929
Missing information on cause of injury	48	0	0	53,547	53,595
Total	226,231	7,703	293	53,547	287,774

*Totals less than 5 were suppressed by state data management policy

**Cases without valid external cause of injury E-codes cannot be classified by intent and/or cause

*** Recommended framework on E-code grouping for presenting injury data by cause and intent

http://www.cdc.gov/injury/wisqars/ecode_matrix.html

Table 13: Traumatic injury ED visits for KY residents to KY ED facilities, 2010, by age groups

ED Visits for Traumatic Injuries				
KY Residents Treated in KY ED Facilities in 2010				
Age Group	# ED Visits	Percent	KY 2010 Population*	Rate per 100,000 Population
<5	18,303	6.4	282,367	6,482
5-9	16,576	5.8	282,888	5,860
10-14	23,053	8.0	284,154	8,113
15-19	26,753	9.3	296,795	9,014
20-24	27,763	9.7	289,968	9,575
25-29	28,225	9.8	285,296	9,893
30-34	25,767	8.9	280,920	9,172
35-39	22,180	7.7	285,411	7,771
40-44	19,820	6.9	291,251	6,805
45-49	18,765	6.5	323,642	5,798
50-54	15,651	5.4	319,455	4,899
55-59	11,295	3.9	288,027	3,922
60-64	8,429	2.9	250,966	3,359
65-69	6,382	2.2	185,664	3,437
70-74	5,059	1.8	139,650	3,623
75-79	4,500	1.6	105,392	4,270
80-84	4,236	1.5	78,313	5,409
85+	5,017	1.7	69,208	7,249
Crude rate of traumatic injury ED visits for KY residents treated in KY ED	287,774	100.0	4,339,367	6,632

*http://ksdc.louisville.edu/census/2010demoprofiles/Kentucky_dp2010.pdf

Table 14: Traumatic injury ED visits for KY residents to KY ED facilities, 2010, by gender

ED Visits for Traumatic Injuries				
KY Residents Treated in KY ED Facilities in 2010				
By Gender	# ED Visits	Percent	KY 2010 Population*	Rate per 100,000 Population
Female	136,066	47.3	2,204,415	6,172
Male	151,700	52.7	2,134,952	7,106

*http://ksdc.louisville.edu/census/2010demoprofiles/Kentucky_dp2010.pdf

Table 15: Primary payer billed for traumatic injury ED visits of KY residents

By Primary Payer	ED Visits for Traumatic Injuries, 2010	
	# ED Visits	Percent
Champus	2,584	0.9
Charity	7,641	2.7
Commercial Insurance	93,166	32.4
Medicaid/Passport	71,684	24.9
Medicare	35,041	12.2
Other	3,516	1.2
Self	61,666	21.4
Workers Comp	12,476	4.3

Table 16: Traumatic injury ED visits for KY residents treated in KY ED, 2010, by discharge status

Traumatic Injury ED Visits for KY residents to KY ED Facilities, 2010		
By Discharge Status	Frequency	Percent
Routine discharge (home/self care)	278,019	96.61
Inpatient-other short-term hospital	5,469	1.90
Left/discontinued care AMA	1,446	0.50
Skilled nursing facility (SNF)	687	0.24
Discharged/transferred to another type of healthcare institution not otherwise defined	575	0.20
Designated Cancer Center or Children's Hospital	457	0.16
Other discharge	315	0.11
Intermediate care facility (ICF)	158	0.05
Discharge/transfer to psych hosp or psych distinct part unit of a hospital	137	0.05
Discharge/transfer to critical access hospital (CAH)	103	0.04
Admitted as inpatient to this hospital (Medicare only)	87	0.03
Home health	82	0.03
Expired/Did not recover	61	0.02
Discharge/transfer to nursing facility certified under Medicaid -not Medicare	53	0.02
Discharge/transfer to long-term care hospital	37	0.01
Discharged/transferred to a federal hospital	27	0.01
Still Patient	19	0.01
Discharge/transfer to rehab facility or hospital unit	17	0.01
Hospice-home	17	0.01
Hospice-medical facility	7	0.00
Transfer w/in institution to Medicare swing bed	*	0.00
All	287,774	100.01

*Totals less than 5 were suppressed by state data management policy

Table 17: Traumatic injury ED visits for KY residents treated in KY ED, by county of patient's residence and intent of injury

	Traumatic Injury ED Visits for KY Residents Treated in KY ED Facilities in 2010					Total N
	Unintentional	Self-inflicted	Assault	Other/ Undetermined	Missing information on intent	
	N	N	N	N	N	
By County						
Adair	1,164	8	28	*	180	1,381
Allen	1,032	*	18	.	202	1,256
Anderson	1,087	.	17	*	160	1,265
Ballard	234	*	*	.	86	325
Barren	2,003	8	56	*	575	2,644
Bath	1,022	*	26	*	197	1,250
Bell	2,557	7	57	*	569	3,193
Boone	5,728	6	148	*	529	6,416
Bourbon	1,186	6	47	*	419	1,659
Boyd	3,679	10	138	*	772	4,603
Boyle	1,423	.	40	.	355	1,818
Bracken	429	*	15	.	214	660
Breathitt	1,154	5	19	*	263	1,442
Breckinridge	1,094	*	19	.	190	1,304
Bullitt	1,205	*	38	*	2,560	3,810
Butler	465	*	10	.	48	524
Caldwell	816	*	23	.	114	957
Calloway	1,159	*	16	.	103	1,282
Campbell	5,171	11	241	15	451	5,889
Carlisle	235	.	*	*	57	296
Carroll	861	*	35	*	204	1,104
Carter	1,307	*	26	*	197	1,535
Casey	348	*	6	.	835	1,191
Christian	2,304	9	78	13	490	2,894
Clark	1,445	7	59	.	1,164	2,675
Clay	1,809	*	59	.	897	2,768
Clinton	696	*	29	*	48	775
Crittenden	563	.	10	.	69	642

	Traumatic Injury ED Visits for KY Residents Treated in KY ED Facilities in 2010					Total
	Unintentional	Self- inflicted	Assault	Other/ Undetermined	Missing information on intent	
	N	N	N	N	N	
Cumberland	604	*	7	*	157	772
Daviess	4,618	9	204	*	734	5,568
Edmonson	385	.	6	.	60	451
Elliott	282	.	13	.	32	327
Estill	1,407	8	47	.	171	1,633
Fayette	11,195	44	478	16	2,170	13,903
Fleming	1,221	.	21	*	119	1,362
Floyd	3,736	13	103	12	243	4,107
Franklin	2,898	6	74	*	381	3,362
Fulton	354	.	15	.	19	388
Gallatin	637	*	11	.	63	712
Garrard	685	*	21	.	486	1,194
Grant	2,835	*	59	*	331	3,231
Graves	2,384	7	30	.	463	2,884
Grayson	1,656	*	48	*	742	2,449
Green	763	*	18	.	180	962
Greenup	1,627	*	32	*	673	2,336
Hancock	196	.	6	.	23	225
Hardin	4,291	12	107	6	708	5,124
Harlan	1,964	7	45	.	241	2,257
Harrison	1,832	*	52	*	332	2,221
Hart	396	.	12	*	402	811
Henderson	2,981	17	70	6	155	3,229
Henry	817	.	12	*	366	1,197
Hickman	189	.	.	.	29	218
Hopkins	2,926	6	93	*	146	3,174
Jackson	809	*	17	.	175	1,002
Jefferson	34,114	101	1,597	67	11,735	47,614
Jessamine	3,101	6	130	6	925	4,168
Johnson	2,427	*	41	6	96	2,572
Kenton	9,814	25	482	16	1,197	11,534
Knott	765	*	21	*	104	896
Knox	1,328	*	27	.	373	1,730

	Traumatic Injury ED Visits for KY Residents Treated in KY ED Facilities in 2010					Total
	Unintentional	Self- inflicted	Assault	Other/ Undetermined	Missing information on intent	
	N	N	N	N	N	
Larue	642	*	15	.	109	767
Laurel	4,137	5	99	5	438	4,684
Lawrence	1,318	.	39	*	201	1,559
Lee	549	*	12	.	83	646
Leslie	716	.	30	*	359	1,106
Letcher	1,736	6	28	*	178	1,949
Lewis	384	*	7	.	153	546
Lincoln	814	*	28	.	1,117	1,963
Livingston	547	.	11	*	106	665
Logan	1,304	8	13	.	143	1,468
Lyon	335	*	*	.	68	410
McCracken	3,192	6	107	*	1,079	4,388
McCreary	461	.	22	.	36	519
McLean	496	*	9	*	43	550
Madison	5,097	15	103	.	1,054	6,269
Magoffin	970	5	24	.	46	1,045
Marion	410	.	16	*	984	1,411
Marshall	1,577	6	11	.	540	2,134
Martin	818	*	26	*	96	945
Mason	735	*	25	.	530	1,293
Meade	530	*	12	*	103	649
Menifee	462	.	6	*	95	565
Mercer	1,292	*	27	.	448	1,771
Metcalfe	559	.	12	*	134	706
Monroe	720	*	25	*	145	892
Montgomery	2,371	10	101	*	593	3,077
Morgan	900	*	23	.	81	1,008
Muhlenberg	2,396	6	35	*	289	2,728
Nelson	1,099	*	28	*	326	1,457
Nicholas	595	*	21	*	62	680
Ohio	1,819	*	31	.	124	1,975
Oldham	2,160	13	56	*	268	2,498
Owen	728	*	9	.	35	773

	Traumatic Injury ED Visits for KY Residents Treated in KY ED Facilities in 2010					Total
	Unintentional	Self- inflicted	Assault	Other/ Undetermined	Missing information on intent	
	N	N	N	N	N	
Owsley	374	*	5	.	87	469
Pendleton	975	.	21	*	117	1,114
Perry	1,439	10	60	*	302	1,813
Pike	4,278	14	104	6	629	5,031
Powell	943	*	30	.	422	1,398
Pulaski	3,428	11	121	6	320	3,886
Robertson	142	.	8	.	28	178
Rockcastle	1,403	5	29	.	75	1,512
Rowan	1,913	*	18	*	175	2,110
Russell	1,133	5	19	.	145	1,302
Scott	2,771	6	64	*	513	3,358
Shelby	475	.	6	.	1,642	2,123
Simpson	877	.	24	.	160	1,061
Spencer	378	*	*	.	451	833
Taylor	1,593	6	42	*	348	1,990
Todd	345	*	5	.	45	396
Trigg	773	*	21	*	31	828
Trimble	356	*	8	.	50	415
Union	1,288	.	30	.	52	1,370
Warren	4,865	9	133	7	561	5,575
Washington	235	.	5	.	383	623
Wayne	1,313	*	33	*	108	1,457
Webster	864	.	19	*	35	919
Whitley	2,971	*	73	9	423	3,477
Wolfe	578	*	14	*	123	718
Woodford	1,239	*	30	*	277	1,551
Total	226,231	598	7,105	293	53,547	287,774

Table 18: Unintentional traumatic injury ED visits for KY residents treated in KY ED, by county of patient's residence and cause of injury, 2010

County	Unintentional traumatic injury ED visits for KY residents treated in KY ED, 2010								All
	MV Traffic	Firearm	Falls	Fire/ Burn	Cut/ Pierce	Struck By/ Against	Other Transport.	Other	
	N	N	N	N	N	N	N	N	
Adair	145	5	334	24	153	150	48	305	1,164
Allen	126	.	359	21	141	122	14	249	1,032
Anderson	153	*	326	*	119	159	23	300	1,087
Ballard	25	.	90	9	22	23	*	61	234
Barren	276	*	670	37	204	197	29	588	2,003
Bath	110	.	355	14	119	100	27	297	1,022
Bell	241	6	856	85	310	281	64	714	2,557
Boone	678	*	2,033	36	495	877	88	1,519	5,728
Bourbon	125	*	421	29	152	161	23	273	1,186
Boyd	410	*	1,389	36	353	456	113	920	3,679
Boyle	146	.	490	39	101	193	21	433	1,423
Bracken	75	*	145	7	34	48	18	101	429
Breathitt	107	5	434	29	109	116	45	309	1,154
Breckinridge	141	*	395	24	129	139	38	226	1,094
Bullitt	246	*	395	9	77	151	17	309	1,205
Butler	61	*	164	*	58	57	18	102	465
Caldwell	78	*	329	13	113	96	18	168	816
Calloway	108	*	390	29	137	121	18	354	1,159
Campbell	468	*	1,824	34	496	800	44	1,501	5,171
Carlisle	18	.	74	*	28	26	*	83	235
Carroll	58	*	308	21	123	119	16	215	861
Carter	194	*	418	14	129	145	67	339	1,307
Casey	52	*	117	15	23	31	18	91	348
Christian	350	*	844	34	151	295	23	604	2,304
Clark	204	*	868	18	58	89	19	187	1,445
Clay	406	8	690	52	197	181	65	210	1,809
Clinton	79	*	236	38	109	53	14	163	696
Crittenden	59	*	189	14	65	69	13	153	563
Cumberland	66	.	258	28	72	65	18	97	604

	Unintentional traumatic injury ED visits for KY residents treated in KY ED, 2010								All
	MV Traffic	Firearm	Falls	Fire/ Burn	Cut/ Pierce	Struck By/ Against	Other Transport.	Other	
	N	N	N	N	N	N	N	N	
Daviess	531	*	1,452	113	463	569	72	1,414	4,618
Edmonson	60	.	135	*	37	46	19	84	385
Elliott	27	*	101	5	38	27	10	73	282
Estill	157	*	452	7	160	138	32	457	1,407
Fayette	1,371	13	4,006	248	1,214	1,606	100	2,637	11,195
Fleming	89	*	428	30	173	144	44	309	1,221
Floyd	503	7	1,079	99	401	378	106	1,163	3,736
Franklin	343	*	988	28	280	377	39	840	2,898
Fulton	24	.	105	10	34	47	6	128	354
Gallatin	63	.	212	12	68	80	17	185	637
Garrard	86	*	213	17	73	92	18	184	685
Grant	253	*	995	44	261	367	64	849	2,835
Graves	189	*	777	46	295	300	27	747	2,384
Grayson	220	*	630	30	134	184	43	413	1,656
Green	93	.	321	11	85	70	20	163	763
Greenup	217	*	590	16	241	165	55	341	1,627
Hancock	23	.	67	*	18	31	10	45	196
Hardin	693	7	1,520	106	396	589	66	914	4,291
Harlan	226	5	608	72	255	238	47	513	1,964
Harrison	187	.	636	38	240	256	59	416	1,832
Hart	58	*	128	*	36	47	14	109	396
Henderson	326	*	967	78	370	338	40	860	2,981
Henry	100	*	250	12	95	95	29	235	817
Hickman	9	*	58	*	32	36	*	48	189
Hopkins	313	*	939	51	289	301	66	964	2,926
Jackson	131	*	245	29	84	72	34	211	809
Jefferson	6,495	37	11,209	570	2,699	4,140	227	8,737	34,114
Jessamine	183	*	1,200	65	275	570	47	758	3,101
Johnson	272	*	788	32	208	219	58	847	2,427
Kenton	941	*	3,649	72	891	1,397	87	2,775	9,814
Knott	153	*	216	27	84	69	32	183	765
Knox	223	.	437	22	153	135	46	312	1,328
Larue	81	.	233	21	81	68	19	139	642

	Unintentional traumatic injury ED visits for KY residents treated in KY ED, 2010								All
	MV Traffic	Firearm	Falls	Fire/ Burn	Cut/ Pierce	Struck By/ Against	Other Transport.	Other	
	N	N	N	N	N	N	N	N	
Laurel	614	*	1,195	85	451	360	124	1,306	4,137
Lawrence	164	*	453	9	143	112	36	399	1,318
Lee	51	*	193	5	47	52	17	183	549
Leslie	113	*	218	21	72	69	33	187	716
Letcher	250	*	533	55	222	155	39	480	1,736
Lewis	37	*	152	8	40	51	10	85	384
Lincoln	119	*	302	10	51	78	21	232	814
Livingston	55	*	199	19	51	51	23	147	547
Logan	149	*	400	11	196	137	19	390	1,304
Lyon	39	*	133	*	38	33	9	79	335
McCracken	439	6	1,163	56	333	337	34	824	3,192
McCreary	92	*	140	17	40	49	14	106	461
McLean	48	.	163	11	56	47	9	162	496
Madison	600	7	1,855	84	508	653	71	1,319	5,097
Magoffin	131	.	285	13	86	73	44	338	970
Marion	92	.	207	7	11	13	13	67	410
Marshall	216	*	625	37	172	146	41	338	1,577
Martin	122	*	259	15	73	74	32	241	818
Mason	107	.	296	14	75	62	14	167	735
Meade	93	.	174	8	48	60	19	128	530
Menifee	70	*	159	*	55	45	14	114	462
Mercer	148	*	499	30	162	150	18	282	1,292
Metcalfe	69	.	200	13	70	60	10	137	559
Monroe	81	.	254	20	118	83	19	145	720
Montgomery	270	*	944	35	211	301	49	558	2,371
Morgan	110	*	286	19	101	114	26	243	900
Muhlenberg	256	*	844	52	214	261	47	721	2,396
Nelson	239	*	362	24	53	118	38	263	1,099
Nicholas	50	.	184	12	68	83	25	173	595
Ohio	206	*	584	37	241	201	49	498	1,819
Oldham	248	*	737	23	194	360	32	565	2,160
Owen	63	*	246	14	83	108	17	195	728
Owsley	52	*	133	9	34	36	15	93	374

	Unintentional traumatic injury ED visits for KY residents treated in KY ED, 2010								All
	MV Traffic	Firearm	Falls	Fire/ Burn	Cut/ Pierce	Struck By/ Against	Other Transport.	Other	
	N	N	N	N	N	N	N	N	
Pendleton	141	.	320	8	82	129	26	269	975
Perry	277	*	483	37	147	134	72	286	1,439
Pike	611	7	1,527	98	454	477	126	978	4,278
Powell	108	.	410	17	75	95	20	218	943
Pulaski	519	*	1,176	80	314	344	88	904	3,428
Robertson	17	.	53	5	18	10	10	29	142
Rockcastle	160	7	441	25	139	137	42	452	1,403
Rowan	173	*	567	15	264	173	49	671	1,913
Russell	125	.	400	37	149	135	28	259	1,133
Scott	328	*	880	49	302	373	51	787	2,771
Shelby	70	.	144	10	34	67	6	144	475
Simpson	104	.	295	24	116	105	10	223	877
Spencer	81	.	138	*	23	44	8	80	378
Taylor	174	*	578	36	195	222	35	351	1,593
Todd	47	*	124	*	41	40	7	82	345
Trigg	66	.	288	24	95	114	21	165	773
Trimble	49	*	113	8	39	43	13	90	356
Union	109	*	405	30	150	165	23	405	1,288
Warren	728	5	1,606	67	531	640	64	1,224	4,865
Washington	66	*	83	*	13	22	8	40	235
Wayne	147	7	461	41	185	141	21	310	1,313
Webster	104	.	280	11	86	105	29	249	864
Whitley	414	10	1,001	32	363	278	64	809	2,971
Wolfe	78	.	214	14	59	54	20	139	578
Woodford	103	*	415	26	161	179	17	335	1,239
All	30,037	288	77,814	4,123	22,792	27,269	4,320	59,588	226,231

Table 19: Crude rates for traumatic injury ED visits by county, 2010

	Traumatic Injury ED Visits and Crude Rates** for KY Residents Treated in KY ED Facilities in 2010									
	Unintentional Traumatic Injury ED Visits						Intentional Traumatic Injury ED visits		All Traumatic Injuries	
	All	All	MV Traffic	MV Traffic	Falls	Falls	All	All	All Injuries	All Injuries
	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate
By County										
Adair	1,164	6,513	145	811	334	1,869	36	201	1,381	7,727
Allen	1,032	5,419	126	662	359	1,885	22	116	1,256	6,595
Anderson	1,087	4,966	153	699	326	1,489	17	78	1,265	5,779
Ballard	234	2,846	25	304	90	1,094	5	61	325	3,952
Barren	2,003	4,799	276	661	670	1,605	64	153	2,644	6,335
Bath	1,022	8,755	110	942	355	3,041	30	257	1,250	10,708
Bell	2,557	8,821	241	831	856	2,953	64	221	3,193	11,015
Boone	5,728	4,778	678	565	2,033	1,696	154	128	6,416	5,351
Bourbon	1,186	6,037	125	636	421	2,143	53	270	1,659	8,444
Boyd	3,679	7,558	410	842	1,389	2,854	148	304	4,603	9,456
Boyle	1,423	4,820	146	495	490	1,660	40	135	1,818	6,158
Bracken	429	4,947	75	865	145	1,672	17	196	660	7,611
Breathitt	1,154	7,402	107	686	434	2,784	24	154	1,442	9,249
Breckinridge	1,094	5,754	141	742	395	2,077	20	105	1,304	6,858
Bullitt	1,205	1,584	246	323	395	519	41	54	3,810	5,010
Butler	465	3,460	61	454	164	1,220	11	82	524	3,899
Caldwell	816	6,329	78	605	329	2,552	27	209	957	7,423
Calloway	1,159	3,159	108	294	390	1,063	20	55	1,282	3,494
Campbell	5,171	5,800	468	525	1,824	2,046	252	283	5,889	6,605
Carlisle	235	4,531	18	347	74	1,427	*	*	296	5,708
Carroll	861	8,047	58	542	308	2,879	37	346	1,104	10,318
Carter	1,307	4,861	194	721	418	1,554	30	112	1,535	5,708
Casey	348	2,107	52	315	117	708	8	48	1,191	7,212
Christian	2,304	2,840	350	431	844	1,040	87	107	2,894	3,568
Clark	1,445	3,977	204	561	868	2,389	66	182	2,675	7,362
Clay	1,809	7,692	406	1,726	690	2,934	62	264	2,768	11,769
Clinton	696	7,451	79	846	236	2,526	30	321	775	8,297
Crittenden	563	6,204	59	650	189	2,083	10	110	642	7,074
Cumberland	604	9,060	66	990	258	3,870	9	135	772	11,579
Daviess	4,618	4,818	531	554	1,452	1,515	213	222	5,568	5,810

	Traumatic Injury ED Visits and Crude Rates** for KY Residents Treated in KY ED Facilities in 2010									
	Unintentional Traumatic Injury ED Visits						Intentional Traumatic Injury ED visits		All Traumatic Injuries	
	All	All	MV Traffic	MV Traffic	Falls	Falls	All	All	All Injuries	All Injuries
	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate
Edmonson	385	3,190	60	497	135	1,118	6	50	451	3,737
Elliott	282	3,332	27	319	101	1,193	13	154	327	3,864
Estill	1,407	9,477	157	1,057	452	3,044	55	370	1,633	10,999
Fayette	11,195	3,740	1,371	458	4,006	1,338	522	174	13,903	4,644
Fleming	1,221	8,267	89	603	428	2,898	21	142	1,362	9,221
Floyd	3,736	8,917	503	1,201	1,079	2,575	116	277	4,107	9,802
Franklin	2,898	5,914	343	700	988	2,016	80	163	3,362	6,861
Fulton	354	5,188	24	352	105	1,539	15	220	388	5,687
Gallatin	637	7,770	63	768	212	2,586	12	146	712	8,685
Garrard	685	4,012	86	504	213	1,247	23	135	1,194	6,993
Grant	2,835	11,105	253	991	995	3,898	62	243	3,231	12,657
Graves	2,384	6,267	189	497	777	2,042	37	97	2,884	7,581
Grayson	1,656	6,475	220	860	630	2,463	50	195	2,449	9,575
Green	763	6,728	93	820	321	2,830	19	168	962	8,482
Greenup	1,627	4,296	217	573	590	1,558	35	92	2,336	6,169
Hancock	196	2,266	23	266	67	775	6	69	225	2,601
Hardin	4,291	4,239	693	685	1,520	1,502	119	118	5,124	5,062
Harlan	1,964	6,375	226	734	608	1,974	52	169	2,257	7,326
Harrison	1,832	9,837	187	1,004	636	3,415	54	290	2,221	11,925
Hart	396	2,151	58	315	128	695	12	65	811	4,405
Henderson	2,981	6,538	326	715	967	2,121	87	191	3,229	7,082
Henry	817	5,153	100	631	250	1,577	12	76	1,197	7,550
Hickman	189	3,922	9	187	58	1,204	0	0	218	4,524
Hopkins	2,926	6,340	313	678	939	2,035	99	215	3,174	6,877
Jackson	809	6,080	131	985	245	1,841	18	135	1,002	7,531
Jefferson	34,114	4,700	6,495	895	11,209	1,544	1,698	234	47,614	6,560
Jessamine	3,101	6,461	183	381	1,200	2,500	136	283	4,168	8,684
Johnson	2,427	10,048	272	1,126	788	3,262	43	178	2,572	10,648
Kenton	9,814	6,155	941	590	3,649	2,288	507	318	11,534	7,233
Knott	765	4,497	153	899	216	1,270	25	147	896	5,267
Knox	1,328	4,051	223	680	437	1,333	29	88	1,730	5,277
Larue	642	4,722	81	596	233	1,714	16	118	767	5,641

	Traumatic Injury ED Visits and Crude Rates** for KY Residents Treated in KY ED Facilities in 2010									
	Unintentional Traumatic Injury ED Visits						Intentional Traumatic Injury ED visits		All Traumatic Injuries	
	All	All	MV Traffic	MV Traffic	Falls	Falls	All	All	All Injuries	All Injuries
	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate
Laurel	4,137	7,121	614	1,057	1,195	2,057	104	179	4,684	8,063
Lawrence	1,318	7,939	164	988	453	2,729	39	235	1,559	9,390
Lee	549	7,919	51	736	193	2,784	14	202	646	9,318
Leslie	716	6,239	113	985	218	1,899	30	261	1,106	9,637
Letcher	1,736	7,301	250	1,051	533	2,241	34	143	1,949	8,196
Lewis	384	2,782	37	268	152	1,101	9	65	546	3,955
Lincoln	814	3,237	119	473	302	1,201	32	127	1,963	7,805
Livingston	547	5,697	55	573	199	2,072	11	115	665	6,926
Logan	1,304	4,780	149	546	400	1,466	21	77	1,468	5,381
Lyon	335	4,062	39	473	133	1,613	7	85	410	4,972
McCracken	3,192	4,859	439	668	1,163	1,770	113	172	4,388	6,680
McCreary	461	2,664	92	532	140	809	22	127	519	2,999
McLean	496	5,201	48	503	163	1,709	10	105	550	5,768
Madison	5,097	6,065	600	714	1,855	2,207	118	140	6,269	7,459
Magoffin	970	7,382	131	997	285	2,169	29	221	1,045	7,953
Marion	410	2,099	92	471	207	1,060	16	82	1,411	7,222
Marshall	1,577	5,055	216	692	625	2,003	17	54	2,134	6,840
Martin	818	6,282	122	937	259	1,989	27	207	945	7,257
Mason	735	4,220	107	614	296	1,700	28	161	1,293	7,425
Meade	530	1,898	93	333	174	623	15	54	649	2,324
Menifee	462	7,042	70	1,067	159	2,423	6	91	565	8,611
Mercer	1,292	5,875	148	673	499	2,269	31	141	1,771	8,053
Metcalfe	559	5,558	69	686	200	1,988	12	119	706	7,019
Monroe	720	6,192	81	697	254	2,184	26	224	892	7,671
Montgomery	2,371	9,131	270	1,040	944	3,635	111	427	3,077	11,850
Morgan	900	6,416	110	784	286	2,039	27	192	1,008	7,186
Muhlenberg	2,396	7,652	256	818	844	2,695	41	131	2,728	8,712
Nelson	1,099	2,490	239	542	362	820	31	70	1,457	3,302
Nicholas	595	8,699	50	731	184	2,690	22	322	680	9,942
Ohio	1,819	7,736	206	876	584	2,484	32	136	1,975	8,400
Oldham	2,160	3,709	248	426	737	1,265	69	118	2,498	4,289
Owen	728	6,410	63	555	246	2,166	10	88	773	6,806

	Traumatic Injury ED Visits and Crude Rates** for KY Residents Treated in KY ED Facilities in 2010									
	Unintentional Traumatic Injury ED Visits						Intentional Traumatic Injury ED visits		All Traumatic Injuries	
	All	All	MV Traffic	MV Traffic	Falls	Falls	All	All	All Injuries	All Injuries
	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate
Owsley	374	8,143	52	1,132	133	2,896	8	174	469	10,211
Pendleton	975	6,510	141	941	320	2,136	21	140	1,114	7,438
Perry	1,439	4,911	277	945	483	1,649	70	239	1,813	6,188
Pike	4,278	6,554	611	936	1,527	2,339	118	181	5,031	7,707
Powell	943	6,960	108	797	410	3,026	33	244	1,398	10,318
Pulaski	3,428	5,601	519	848	1,176	1,921	132	216	3,886	6,349
Robertson	142	6,339	17	759	53	2,366	8	357	178	7,946
Rockcastle	1,403	8,590	160	980	441	2,700	34	208	1,512	9,258
Rowan	1,913	8,350	173	755	567	2,475	19	83	2,110	9,210
Russell	1,133	6,583	125	726	400	2,324	24	139	1,302	7,564
Scott	2,771	5,948	328	704	880	1,889	70	150	3,358	7,207
Shelby	475	1,115	70	164	144	338	6	14	2,123	4,982
Simpson	877	5,106	104	605	295	1,718	24	140	1,061	6,177
Spencer	378	2,129	81	456	138	777	*	*	833	4,691
Taylor	1,593	6,486	174	708	578	2,354	48	195	1,990	8,103
Todd	345	2,824	47	385	124	1,015	6	49	396	3,242
Trigg	773	5,828	66	498	288	2,171	23	173	828	6,243
Trimble	356	3,956	49	545	113	1,256	9	100	415	4,612
Union	1,288	8,730	109	739	405	2,745	30	203	1,370	9,286
Warren	4,865	4,426	728	662	1,606	1,461	142	129	5,575	5,072
Washington	235	2,028	66	570	83	716	5	43	623	5,378
Wayne	1,313	6,359	147	712	461	2,233	34	165	1,457	7,056
Webster	864	6,319	104	761	280	2,048	19	139	919	6,721
Whitley	2,971	7,720	414	1,076	1,001	2,601	74	192	3,477	9,035
Wolfe	578	8,101	78	1,093	214	2,999	16	224	718	10,063
Woodford	1,239	4,907	103	408	415	1,643	32	127	1,551	6,142
All	226,231	5,222	30,037	693	77,814	1,796	7,703	178	287,774	6,642

*Totals less than 5 were suppressed by state data management policy

**Rates based on less than 20 ED visits are unstable and should be interpreted with caution. These rates are unstable because they can change dramatically with the addition or subtraction of one case