

STable 1. Number of injury and control enrollees and estimated average per-person one-year number and associated value of lost work days due to non-fatal injuries (by mechanism) initially treated in an emergency department during October 1, 2014 through September 30, 2015, Marketscan – Employer health insurance enrollees age 18-64 years, ED disposition: All (2015 USD)

Mechanism	Measure	Work absence	Short-term disability	Workers' compensation	Total days and cost
Cut/pierce	Injury patients, n	700	3,364	2,245	
	With >0 absences, n patients	551	322	54	
	No. absences (patients with >0), mean n days	36.22	40.39	42.46	
	No. absences (all patients), mean n days	28.51	3.87	1.02	
	Control enrollees, n	3,153	16,430	10,807	
	With >0 absences, n enrollees	2,399	897	229	
	No. absences (enrollees with >0), mean n days	34.10	41.26	46.67	
	No. absences (all enrollees), mean n days	25.94	2.25	0.99	
	Estimated attributable absences and cost				
	Absent days, simple mean	2.57	1.62	0.03	4.2
Absent days, regression-adjusted mean (95% CI)	2.1 (0.1-4.0)	1.9 (1.2-2.7)	NS	3.9 (2.4-5.4)	
Estimated cost, mean (95% CI)	\$288 (13-564)	\$267 (162-373)	NS	\$555 (344-754)	
Drowning/submersion	Injury patients, n	1	12	9	
	With >0 absences, n patients	0	3	0	
	No. absences (patients with >0), mean n days	0.00	24.05	0.00	
	No. absences (all patients), mean n days	0.00	6.01	0.00	
	Control enrollees, n	5	57	41	
	With >0 absences, n enrollees	4	3	1	
	No. absences (enrollees with >0), mean n days	28.63	11.67	2.14	
	No. absences (all enrollees), mean n days	22.90	0.61	0.05	
	Estimated attributable absences and cost				
	Absent days, simple mean	NC	NC	NC	NC
Absent days, regression-adjusted mean (95% CI)	NC	NC	NC	NC	
Estimated cost, mean (95% CI)	NC	NC	NC	NC	
Fall	Injury patients, n	1,167	6,654	4,142	
	With >0 absences, n patients	903	1,372	162	
	No. absences (patients with >0), mean n days	41.54	55.09	53.46	
	No. absences (all patients), mean n days	32.14	11.36	2.09	
	Control enrollees, n	5,159	32,284	19,765	
	With >0 absences, n enrollees	3,978	2,064	444	
	No. absences (enrollees with >0), mean n days	33.27	42.17	44.78	
	No. absences (all enrollees), mean n days	25.65	2.70	1.01	
	Estimated attributable absences and cost				
	Absent days, simple mean	6.49	8.66	1.08	16.2
Absent days, regression-adjusted mean (95% CI)	5.3 (3.6-7.0)	10.5 (9.4-11.6)	1.0 (0.5-1.6)	16.8 (15.4-18.4)	
Estimated cost, mean (95% CI)	\$744 (501-987)	\$1,476 (1,322-1,631)	\$142 (65-221)	\$2,362 (2,164-2,582)	
Fire/burn	Injury patients, n	55	302	192	
	With >0 absences, n patients	43	43	4	
	No. absences (patients with >0), mean n days	39.56	34.15	41.79	
	No. absences (all patients), mean n days	30.92	4.86	0.87	
	Control enrollees, n	239	1,456	915	
	With >0 absences, n enrollees	192	77	15	
	No. absences (enrollees with >0), mean n days	34.99	40.64	40.52	
	No. absences (all enrollees), mean n days	28.11	2.15	0.66	

	Estimated attributable absences and cost				
	Absent days, simple mean	NC	NC	NC	NC
	Absent days, regression-adjusted mean (95% CI)	NC	NC	NC	NC
	Estimated cost, mean (95% CI)	NC	NC	NC	NC
Fire/flame	Injury patients, n	14	65	51	
	With >0 absences, n patients	11	16	0	
	No. absences (patients with >0), mean n days	44.82	48.53	0.00	
	No. absences (all patients), mean n days	35.22	11.95	0.00	
	Control enrollees, n	60	316	239	
	With >0 absences, n enrollees	46	14	4	
	No. absences (enrollees with >0), mean n days	34.22	30.20	52.32	
	No. absences (all enrollees), mean n days	26.23	1.34	0.88	
	Estimated attributable absences and cost				
	Absent days, simple mean	NC	NC	NC	NC
	Absent days, regression-adjusted mean (95% CI)	NC	NC	NC	NC
	Estimated cost, mean (95% CI)	NC	NC	NC	NC
Hot object/substance	Injury patients, n	41	237	141	
	With >0 absences, n patients	32	27	4	
	No. absences (patients with >0), mean n days	37.74	25.63	41.79	
	No. absences (all patients), mean n days	29.46	2.92	1.19	
	Control enrollees, n	179	1,140	676	
	With >0 absences, n enrollees	146	63	11	
	No. absences (enrollees with >0), mean n days	35.24	42.96	36.23	
	No. absences (all enrollees), mean n days	28.74	2.37	0.59	
	Estimated attributable absences and cost				
	Absent days, simple mean	NC	NC	NC	NC
	Absent days, regression-adjusted mean (95% CI)	NC	NC	NC	NC
	Estimated cost, mean (95% CI)	NC	NC	NC	NC
Firearm	Injury patients, n	12	46	25	
	With >0 absences, n patients	9	13	1	
	No. absences (patients with >0), mean n days	44.81	61.15	1.43	
	No. absences (all patients), mean n days	33.61	17.28	0.06	
	Control enrollees, n	48	213	111	
	With >0 absences, n enrollees	30	12	3	
	No. absences (enrollees with >0), mean n days	33.47	33.33	56.90	
	No. absences (all enrollees), mean n days	20.92	1.88	1.54	
	Estimated attributable absences and cost				
	Absent days, simple mean	NC	NC	NC	NC
	Absent days, regression-adjusted mean (95% CI)	NC	NC	NC	NC
	Estimated cost, mean (95% CI)	NC	NC	NC	NC
Machinery	Injury patients, n	32	140	104	
	With >0 absences, n patients	26	25	4	
	No. absences (patients with >0), mean n days	33.47	33.34	38.21	
	No. absences (all patients), mean n days	27.20	5.95	1.47	
	Control enrollees, n	141	674	487	
	With >0 absences, n enrollees	116	32	12	
	No. absences (enrollees with >0), mean n days	32.53	55.69	57.74	
	No. absences (all enrollees), mean n days	26.77	2.64	1.42	
	Estimated attributable absences and cost				
	Absent days, simple mean	NC	NC	NC	NC
	Absent days, regression-adjusted mean (95% CI)	NC	NC	NC	NC

	Estimated cost, mean (95% CI)	NC	NC	NC	NC
Motor vehicle traffic	Injury patients, n	659	3,389	2,172	
	With >0 absences, n patients	519	796	83	
	No. absences (patients with >0), mean n days	44.34	56.71	63.61	
	No. absences (all patients), mean n days	34.92	13.32	2.43	
	Control enrollees, n	2,905	16,405	10,281	
	With >0 absences, n enrollees	2,276	1,112	227	
	No. absences (enrollees with >0), mean n days	33.41	39.98	46.75	
	No. absences (all enrollees), mean n days	26.18	2.71	1.03	
	Estimated attributable absences and cost				
	Absent days, simple mean	8.74	10.61	1.40	20.8
Absent days, regression-adjusted mean (95% CI)	6.6 (4.1-9.2)	14.7 (12.5-16.9)	2.2 (0.9-3.4)	23.5 (20.9-26.0)	
Estimated cost, mean (95% CI)	\$931 (574-1,287)	\$2,065 (1,758-2,373)	\$302 (131-472)	\$3,298 (2,932-3,650)	
Occupant	Injury patients, n	417	2,297	1,442	
	With >0 absences, n patients	328	503	62	
	No. absences (patients with >0), mean n days	41.25	56.88	66.65	
	No. absences (all patients), mean n days	32.44	12.46	2.87	
	Control enrollees, n	1,825	11,084	6,806	
	With >0 absences, n enrollees	1,407	769	153	
	No. absences (enrollees with >0), mean n days	32.37	41.08	50.52	
	No. absences (all enrollees), mean n days	24.96	2.85	1.14	
	Estimated attributable absences and cost				
	Absent days, simple mean	7.48	9.61	1.73	18.8
Absent days, regression-adjusted mean (95% CI)	5.4 (2.5-8.2)	13.4 (10.7-16.0)	3.3 (1.2-5.4)	22.0 (18.8-25.2)	
Estimated cost, mean (95% CI)	\$755 (354-1,156)	\$1,881 (1,509-2,254)	\$463 (166-758)	\$3,099 (2,650-3,545)	
Motorcyclist	Injury patients, n	117	350	267	
	With >0 absences, n patients	94	133	5	
	No. absences (patients with >0), mean n days	58.61	56.08	38.29	
	No. absences (all patients), mean n days	47.09	21.31	0.72	
	Control enrollees, n	518	1,717	1,276	
	With >0 absences, n enrollees	442	83	27	
	No. absences (enrollees with >0), mean n days	36.86	35.65	36.22	
	No. absences (all enrollees), mean n days	31.45	1.72	0.77	
	Estimated attributable absences and cost				
	Absent days, simple mean	15.64	19.59	NC	35.2
Absent days, regression-adjusted mean (95% CI)	12.4 (4.9-19.9)	31.7 (18.6-44.8)	NC	44.1 (33.2-54.8)	
Estimated cost, mean (95% CI)	\$1,741 (683-2,797)	\$4,456 (2,618-6,293)	NC	\$6,196 (4,662-7,702)	
Pedal cyclist	Injury patients, n	12	39	21	
	With >0 absences, n patients	10	8	0	
	No. absences (patients with >0), mean n days	42.53	54.11	0.00	
	No. absences (all patients), mean n days	35.44	11.10	0.00	
	Control enrollees, n	54	190	97	
	With >0 absences, n enrollees	41	6	2	
	No. absences (enrollees with >0), mean n days	35.93	46.79	17.50	
	No. absences (all enrollees), mean n days	27.28	1.48	0.36	
	Estimated attributable absences and cost				
	Absent days, simple mean	NC	NC	NC	NC
Absent days, regression-adjusted mean (95% CI)	NC	NC	NC	NC	
Estimated cost, mean (95% CI)	NC	NC	NC	NC	
Pedestrian	Injury patients, n	14	64	36	
	With >0 absences, n patients	11	21	4	

	No. absences (patients with >0), mean n days	32.75	68.06	38.57	
	No. absences (all patients), mean n days	25.73	22.33	4.29	
	Control enrollees, n	63	315	171	
	With >0 absences, n enrollees	49	20	3	
	No. absences (enrollees with >0), mean n days	33.52	42.79	46.90	
	No. absences (all enrollees), mean n days	26.07	2.72	0.82	
	Estimated attributable absences and cost				
	Absent days, simple mean	NC	NC	NC	NC
	Absent days, regression-adjusted mean (95% CI)	NC	NC	NC	NC
	Estimated cost, mean (95% CI)	NC	NC	NC	NC
Unspecified MV	Injury patients, n	92	599	381	
	With >0 absences, n patients	70	121	11	
	No. absences (patients with >0), mean n days	42.05	56.87	72.79	
	No. absences (all patients), mean n days	32.00	11.49	2.10	
	Control enrollees, n	413	2,907	1,810	
	With >0 absences, n enrollees	312	224	39	
	No. absences (enrollees with >0), mean n days	32.53	37.42	42.47	
	No. absences (all enrollees), mean n days	24.57	2.88	0.92	
	Estimated attributable absences and cost				
	Absent days, simple mean	7.43	8.61	NC	16.0
Absent days, regression-adjusted mean (95% CI)	NS	11.3 (7.2-15.3)	NC	11.3 (7.2-15.3)	
Estimated cost, mean (95% CI)	NS	\$1,586 (1,017-2,155)	NC	\$1,586 (1,017-2,155)	
Other pedal cyclist	Injury patients, n	131	513	298	
	With >0 absences, n patients	96	73	2	
	No. absences (patients with >0), mean n days	37.95	41.06	54.64	
	No. absences (all patients), mean n days	27.81	5.84	0.37	
	Control enrollees, n	584	2,509	1,434	
	With >0 absences, n enrollees	444	116	28	
	No. absences (enrollees with >0), mean n days	35.97	34.72	54.21	
	No. absences (all enrollees), mean n days	27.35	1.61	1.06	
	Estimated attributable absences and cost				
	Absent days, simple mean	0.46	4.23	NC	4.7
Absent days, regression-adjusted mean (95% CI)	NS	6.4 (3.0-9.8)	NC	6.4 (3.0-9.8)	
Estimated cost, mean (95% CI)	NS	\$900 (418-1,381)	NC	\$900 (418-1,381)	
Other pedestrian	Injury patients, n	5	17	14	
	With >0 absences, n patients	5	3	0	
	No. absences (patients with >0), mean n days	57.75	53.57	0.00	
	No. absences (all patients), mean n days	57.75	9.45	0.00	
	Control enrollees, n	22	82	67	
	With >0 absences, n enrollees	19	2	2	
	No. absences (enrollees with >0), mean n days	34.17	67.86	110.00	
	No. absences (all enrollees), mean n days	29.51	1.66	3.28	
	Estimated attributable absences and cost				
	Absent days, simple mean	NC	NC	NC	NC
Absent days, regression-adjusted mean (95% CI)	NC	NC	NC	NC	
Estimated cost, mean (95% CI)	NC	NC	NC	NC	
Other transport	Injury patients, n	92	422	292	
	With >0 absences, n patients	66	96	8	
	No. absences (patients with >0), mean n days	45.93	53.86	25.36	
	No. absences (all patients), mean n days	32.95	12.25	0.69	
	Control enrollees, n	423	2,057	1,378	

	With >0 absences, n enrollees	330	101	33	
	No. absences (enrollees with >0), mean n days	35.05	39.98	42.97	
	No. absences (all enrollees), mean n days	27.34	1.96	1.03	
	Estimated attributable absences and cost				
	Absent days, simple mean	5.61	10.29	NC	15.9
	Absent days, regression-adjusted mean (95% CI)	NS	17.8 (9.6-25.9)	NC	17.8 (9.6-25.9)
	Estimated cost, mean (95% CI)	NS	\$2,496 (1,344-3,647)	NC	\$2,496 (1,344-3,647)
Natural/enviromental	Injury patients, n	38	137	87	
	With >0 absences, n patients	29	15	4	
	No. absences (patients with >0), mean n days	41.37	42.57	101.07	
	No. absences (all patients), mean n days	31.57	4.66	4.65	
	Control enrollees, n	180	675	425	
	With >0 absences, n enrollees	147	46	10	
	No. absences (enrollees with >0), mean n days	35.07	50.92	42.36	
	No. absences (all enrollees), mean n days	28.64	3.47	1.00	
	Estimated attributable absences and cost				
Absent days, simple mean	NC	NC	NC	NC	
Absent days, regression-adjusted mean (95% CI)	NC	NC	NC	NC	
Estimated cost, mean (95% CI)	NC	NC	NC	NC	
Bites and stings	Injury patients, n	279	1,409	903	
	With >0 absences, n patients	206	125	34	
	No. absences (patients with >0), mean n days	37.67	39.60	48.91	
	No. absences (all patients), mean n days	27.81	3.51	1.84	
	Control enrollees, n	1,251	6,892	4,366	
	With >0 absences, n enrollees	959	423	98	
	No. absences (enrollees with >0), mean n days	34.06	38.64	50.81	
	No. absences (all enrollees), mean n days	26.11	2.37	1.14	
	Estimated attributable absences and cost				
Absent days, simple mean	1.70	1.14	NC	2.8	
Absent days, regression-adjusted mean (95% CI)	NS	1.5 (0.4-2.6)	NC	1.5 (0.4-2.6)	
Estimated cost, mean (95% CI)	NS	\$210 (51-370)	NC	\$210 (51-370)	
Overexertion	Injury patients, n	516	2,763	1,860	
	With >0 absences, n patients	402	487	75	
	No. absences (patients with >0), mean n days	37.57	49.64	64.00	
	No. absences (all patients), mean n days	29.27	8.75	2.58	
	Control enrollees, n	2,308	13,416	8,850	
	With >0 absences, n enrollees	1,739	818	207	
	No. absences (enrollees with >0), mean n days	32.59	42.20	51.07	
	No. absences (all enrollees), mean n days	24.55	2.57	1.19	
	Estimated attributable absences and cost				
Absent days, simple mean	4.72	6.18	1.39	12.3	
Absent days, regression-adjusted mean (95% CI)	3.8 (1.4-6.2)	7.8 (6.2-9.3)	1.2 (0.2-2.1)	12.7 (10.6-14.8)	
Estimated cost, mean (95% CI)	\$533 (200-868)	\$1,091 (877-1,305)	\$162 (32-290)	\$1,786 (1,488-2,084)	
Poisoning	Injury patients, n	57	299	176	
	With >0 absences, n patients	45	80	11	
	No. absences (patients with >0), mean n days	62.40	51.06	34.68	
	No. absences (all patients), mean n days	49.26	13.66	2.17	
	Control enrollees, n	248	1,429	817	
	With >0 absences, n enrollees	207	121	23	
No. absences (enrollees with >0), mean n days	43.78	44.46	41.37		
No. absences (all enrollees), mean n days	36.54	3.76	1.16		

	Estimated attributable absences and cost				
	Absent days, simple mean	NC	9.90	NC	9.9
	Absent days, regression-adjusted mean (95% CI)	NC	13.0 (7.3-18.7)	NC	13.0 (7.3-18.7)
	Estimated cost, mean (95% CI)	NC	\$1,826 (1,028-2,625)	NC	\$1,826 (1,028-2,625)
Struck by/against	Injury patients, n	640	3,224	2,020	
	With >0 absences, n patients	515	450	61	
	No. absences (patients with >0), mean n days	35.17	46.05	76.87	
	No. absences (all patients), mean n days	28.30	6.43	2.32	
	Control enrollees, n	2,830	15,635	9,623	
	With >0 absences, n enrollees	2,211	859	194	
	No. absences (enrollees with >0), mean n days	33.57	38.42	51.53	
	No. absences (all enrollees), mean n days	26.23	2.11	1.04	
	Estimated attributable absences and cost				
	Absent days, simple mean	2.07	4.32	1.28	7.7
	Absent days, regression-adjusted mean (95% CI)	NS	4.6 (3.6-5.6)	NS	4.6 (3.6-5.6)
	Estimated cost, mean (95% CI)	NS	\$644 (509-780)	NS	\$644 (509-780)
Suffocation	Injury patients, n	7	35	29	
	With >0 absences, n patients	5	5	0	
	No. absences (patients with >0), mean n days	26.89	56.57	0.00	
	No. absences (all patients), mean n days	19.21	8.08	0.00	
	Control enrollees, n	29	173	143	
	With >0 absences, n enrollees	24	7	5	
	No. absences (enrollees with >0), mean n days	29.22	40.20	34.14	
	No. absences (all enrollees), mean n days	24.18	1.63	1.19	
	Estimated attributable absences and cost				
	Absent days, simple mean	NC	NC	NC	NC
	Absent days, regression-adjusted mean (95% CI)	NC	NC	NC	NC
	Estimated cost, mean (95% CI)	NC	NC	NC	NC
Other specified, classifiable	Injury patients, n	251	1,181	806	
	With >0 absences, n patients	177	120	32	
	No. absences (patients with >0), mean n days	34.37	48.32	33.44	
	No. absences (all patients), mean n days	24.23	4.91	1.33	
	Control enrollees, n	1,138	5,716	3,860	
	With >0 absences, n enrollees	854	324	93	
	No. absences (enrollees with >0), mean n days	34.52	40.86	45.58	
	No. absences (all enrollees), mean n days	25.90	2.32	1.10	
	Estimated attributable absences and cost				
	Absent days, simple mean	-1.67	2.59	NC	.9
	Absent days, regression-adjusted mean (95% CI)	NS	3.1 (1.5-4.6)	NC	3.1 (1.5-4.6)
	Estimated cost, mean (95% CI)	NS	\$433 (214-651)	NC	\$433 (214-651)
Other specified NEC	Injury patients, n	264	1,524	1,071	
	With >0 absences, n patients	205	257	50	
	No. absences (patients with >0), mean n days	43.18	50.06	57.21	
	No. absences (all patients), mean n days	33.53	8.44	2.67	
	Control enrollees, n	1,215	7,372	5,095	
	With >0 absences, n enrollees	919	420	109	
	No. absences (enrollees with >0), mean n days	34.11	41.20	52.02	
	No. absences (all enrollees), mean n days	25.80	2.35	1.11	
	Estimated attributable absences and cost				
	Absent days, simple mean	7.73	6.09	1.56	15.4
	Absent days, regression-adjusted mean (95% CI)	5.4 (1.6-9.2)	6.7 (4.8-8.5)	1.4 (0.2-2.6)	13.5 (10.3-16.7)

	Estimated cost, mean (95% CI)	\$758 (218-1,299)	\$935 (678-1,192)	\$200 (28-370)	\$1,893 (1,452-2,349)
Unspecified	Injury patients, n	226	1,418	962	
	With >0 absences, n patients	152	250	31	
	No. absences (patients with >0), mean n days	37.28	49.58	51.34	
	No. absences (all patients), mean n days	25.07	8.74	1.65	
	Control enrollees, n	968	6,885	4,563	
	With >0 absences, n enrollees	680	473	100	
	No. absences (enrollees with >0), mean n days	31.19	43.22	43.75	
	No. absences (all enrollees), mean n days	21.91	2.97	0.96	
	Estimated attributable absences and cost				
	Absent days, simple mean	3.16	5.77	NC	8.9
Absent days, regression-adjusted mean (95% CI)	NS	7.1 (5.0-9.1)	NC	7.1 (5.0-9.1)	
Estimated cost, mean (95% CI)	NS	\$995 (707-1,282)	NC	\$995 (707-1,282)	
Adverse effects	Injury patients, n	4	35	20	
	With >0 absences, n patients	4	4	0	
	No. absences (patients with >0), mean n days	103.94	94.64	0.00	
	No. absences (all patients), mean n days	103.94	10.82	0.00	
	Control enrollees, n	18	174	95	
	With >0 absences, n enrollees	15	10	2	
	No. absences (enrollees with >0), mean n days	28.71	36.50	68.57	
	No. absences (all enrollees), mean n days	23.92	2.10	1.44	
	Estimated attributable absences and cost				
	Absent days, simple mean	NC	NC	NC	NC
Absent days, regression-adjusted mean (95% CI)	NC	NC	NC	NC	
Estimated cost, mean (95% CI)	NC	NC	NC	NC	
Ecode missing	Injury patients, n	6,146	40,937	25,682	
	With >0 absences, n patients	4,535	6,553	1,088	
	No. absences (patients with >0), mean n days	37.84	49.24	53.87	
	No. absences (all patients), mean n days	27.92	7.88	2.28	
	Control enrollees, n	27,545	199,633	123,078	
	With >0 absences, n enrollees	20,033	12,101	2,798	
	No. absences (enrollees with >0), mean n days	31.89	41.48	46.25	
	No. absences (all enrollees), mean n days	23.19	2.51	1.05	
	Estimated attributable absences and cost				
	Absent days, simple mean	4.73	5.37	1.23	11.3
Absent days, regression-adjusted mean (95% CI)	3.6 (2.9-4.3)	6.3 (6.0-6.7)	1.3 (1.0-1.5)	11.2 (10.6-11.8)	
Estimated cost, mean (95% CI)	\$508 (406-607)	\$889 (839-939)	\$180 (145-215)	\$1,576 (1,493-1,658)	
Total	Injury patients, n	11,282	67,821	43,109	
	With >0 absences, n patients	8,493	11,092	1,704	
	No. absences (patients with >0), mean n days	38.64	49.96	54.54	
	No. absences (all patients), mean n days	29.09	8.17	2.16	
	Control enrollees, n	50,409	330,167	206,201	
	With >0 absences, n enrollees	37,576	20,018	4,633	
	No. absences (enrollees with >0), mean n days	32.73	41.32	46.78	
	No. absences (all enrollees), mean n days	24.40	2.51	1.05	
	Estimated attributable absences and cost				
	Absent days, simple mean	4.69	5.66	1.11	11.5
Absent days, regression-adjusted mean (95% CI)	3.6 (3.1-4.1)	6.6 (6.3-6.9)	1.1 (0.9-1.3)	11.3 (10.8-11.8)	
Estimated cost, mean (95% CI)	\$505 (429-581)	\$928 (889-966)	\$153 (127-179)	\$1,586 (1,518-1,652)	

Notes. All costs are 2015 USD. NC = not calculated, due to low number of observations (<50 injury or control enrollees with >0 absences) in the data source. NEC = Not elsewhere classifiable. NS = not significant, the regression-adjusted attributable number of lost work days due to the injury type was not statistically significantly higher among injured patients compared to control enrollees.

Values are mean (95% confidence interval [CI] or prediction interval [PI])—in the case that multiple estimates by absence type were probabilistically combined). For injury types with just one attributable absence type value reported, "Total" days reflects that absence type's mean (95% CI) regression-adjusted value. Otherwise, variance for "Total" days estimates was based on a probabilistic combination of variance for multiple absence type estimates (e.g., workplace absence + short-term disability absence estimates for Cut/pierce injuries) using Excel Palisade @RISK (Ithaca, NY). For those calculations, 1,000 sums drawn from Pert distributions representing each absence type—with mean (95% CI) estimates of absent days by type included as the distributions' most likely, minimum, and maximum values—were computed, and the middle 95% of resulting values comprise the reported PI range. Total cost was assessed as the mean number of days and 95% CI or PI values multiplied by the estimated value of lost work days described in the Methods text (\$141).

Source data: MarketScan Health and Productivity Management dataset, 2014-2016. Injury classification is based on the ICD-9-CM E-code Matrix (www.cdc.gov/nchs/injury/injury_tools.htm).

STable 2. Number of injury and control enrollees and estimated average per-person one-year number and associated value of lost work days due to non-fatal injuries (by body region) initially treated in an emergency department during October 1, 2014 through September 30, 2015, Marketscan – Employer health insurance enrollees age 18-64 years, ED disposition: All (2015 USD)

Body Region	Body Region	Measure	Work absence	Short-term disability	Workers' compensation	Total days and cost
Head and neck	Traumatic brain injury	Injury patients, n	293	1,764	1,063	
		With >0 absences, n patients	224	339	39	
		No. absences (patients with >0), mean n days	42.18	55.97	50.22	
		No. absences (all patients), mean n days	32.25	10.76	1.84	
		Control enrollees, n	1,292	8,563	5,017	
		With >0 absences, n enrollees	948	541	98	
		No. absences (enrollees with >0), mean n days	32.76	40.80	51.34	
		No. absences (all enrollees), mean n days	24.03	2.58	1.00	
		Estimated attributable absences and cost				
	Absent days, simple mean	8.22	8.18	NC	16.4	
	Absent days, regression-adjusted mean (95% CI)	7.6 (3.3-11.9)	12.2 (9.2-15.2)	NC	19.8 (15.8-23.5)	
	Estimated cost, mean (95% CI)	\$1,066 (464-1,668)	\$1,721 (1,299-2,141)	NC	\$2,787 (2,227-3,304)	
	Other head, face, and neck	Injury patients, n	1,591	9,684	5,918	
		With >0 absences, n patients	1,190	1,114	227	
		No. absences (patients with >0), mean n days	34.21	45.81	47.63	
No. absences (all patients), mean n days		25.59	5.27	1.83		
Control enrollees, n		7,117	47,100	28,302		
With >0 absences, n enrollees		5,347	2,694	627		
No. absences (enrollees with >0), mean n days		32.42	40.73	43.48		
No. absences (all enrollees), mean n days		24.36	2.33	0.96		
Estimated attributable absences and cost						
Absent days, simple mean	1.23	2.94	0.87	5.0		
Absent days, regression-adjusted mean (95% CI)	NS	3.2 (2.6-3.8)	0.8 (0.4-1.3)	4.0 (3.5-4.6)		
Estimated cost, mean (95% CI)	NS	\$450 (370-530)	\$117 (56-177)	\$567 (487-643)		
Head and neck, Total	Injury patients, n	1,884	11,448	6,981		
	With >0 absences, n patients	1,414	1,453	266		
	No. absences (patients with >0), mean n days	35.47	48.18	48.01		
	No. absences (all patients), mean n days	26.62	6.12	1.83		
	Control enrollees, n	8,409	55,663	33,319		
	With >0 absences, n enrollees	6,295	3,235	725		
	No. absences (enrollees with >0), mean n days	32.47	40.74	44.54		
	No. absences (all enrollees), mean n days	24.31	2.37	0.97		
	Estimated attributable absences and cost					
Absent days, simple mean	2.31	3.75	0.86	6.9		
Absent days, regression-adjusted mean (95% CI)	1.9 (0.6-3.1)	4.4 (3.8-5.0)	0.8 (0.4-1.2)	7.0 (6.0-8.1)		
Estimated cost, mean (95% CI)	\$262 (89-434)	\$619 (531-706)	\$107 (52-162)	\$987 (841-1,134)		
Spine and back	Spinal cord (SCI)	Injury patients, n	0	14	7	
		With >0 absences, n patients	0	6	0	
		No. absences (patients with >0), mean n days	0.00	119.52	0.00	
		No. absences (all patients), mean n days	0.00	51.22	0.00	
		Control enrollees, n	0	64	31	
		With >0 absences, n enrollees	0	6	1	
		No. absences (enrollees with >0), mean n days	0.00	56.90	25.71	
		No. absences (all enrollees), mean n days	0.00	5.33	0.83	
		Estimated attributable absences and cost				
	Absent days, simple mean	NC	NC	NC	NC	
	Absent days, regression-adjusted mean (95% CI)	NC	NC	NC	NC	
	Estimated cost, mean (95% CI)	NC	NC	NC	NC	
Vertebral column (VCI)	Injury patients, n	1,234	7,382	4,784		

		With >0 absences, n patients	935	1,397	224	
		No. absences (patients with >0), mean n days	39.83	49.89	57.16	
		No. absences (all patients), mean n days	30.18	9.44	2.68	
		Control enrollees, n	5,534	35,872	22,805	
		With >0 absences, n enrollees	4,043	2,381	448	
		No. absences (enrollees with >0), mean n days	32.13	39.92	47.47	
		No. absences (all enrollees), mean n days	23.47	2.65	0.93	
		Estimated attributable absences and cost				
		Absent days, simple mean	6.71	6.79	1.75	15.3
		Absent days, regression-adjusted mean (95% CI)	5.4 (3.6-7.2)	8.4 (7.4-9.4)	2.3 (1.5-3.2)	16.1 (14.6-17.7)
		Estimated cost, mean (95% CI)	\$754 (503-1,005)	\$1,184 (1,046-1,320)	\$328 (210-444)	\$2,265 (2,053-2,491)
	Spine and back, Total	Injury patients, n	1,234	7,396	4,791	
		With >0 absences, n patients	935	1,403	224	
		No. absences (patients with >0), mean n days	39.83	50.19	57.16	
		No. absences (all patients), mean n days	30.18	9.52	2.67	
		Control enrollees, n	5,534	35,936	22,836	
		With >0 absences, n enrollees	4,043	2,387	449	
		No. absences (enrollees with >0), mean n days	32.13	39.97	47.42	
		No. absences (all enrollees), mean n days	23.47	2.65	0.93	
		Estimated attributable absences and cost				
		Absent days, simple mean	6.71	6.87	1.74	15.3
		Absent days, regression-adjusted mean (95% CI)	5.4 (3.6-7.2)	8.5 (7.5-9.5)	2.3 (1.5-3.2)	16.2 (14.5-17.7)
		Estimated cost, mean (95% CI)	\$754 (503-1,005)	\$1,195 (1,057-1,333)	\$326 (210-444)	\$2,275 (2,045-2,487)
Torso	Torso	Injury patients, n	919	5,477	3,592	
		With >0 absences, n patients	698	984	142	
		No. absences (patients with >0), mean n days	40.67	50.97	58.35	
		No. absences (all patients), mean n days	30.89	9.16	2.31	
		Control enrollees, n	4,079	26,667	17,142	
		With >0 absences, n enrollees	3,076	1,647	428	
		No. absences (enrollees with >0), mean n days	33.67	42.23	48.36	
		No. absences (all enrollees), mean n days	25.39	2.61	1.21	
		Estimated attributable absences and cost				
		Absent days, simple mean	5.50	6.55	1.10	13.2
		Absent days, regression-adjusted mean (95% CI)	3.7 (1.7-5.6)	7.9 (6.8-9.1)	0.9 (0.3-1.5)	12.5 (10.8-14.2)
		Estimated cost, mean (95% CI)	\$513 (242-783)	\$1,115 (952-1,278)	\$131 (48-215)	\$1,759 (1,513-1,992)
Extremities	Upper extremities	Injury patients, n	3,640	21,173	13,532	
		With >0 absences, n patients	2,735	3,261	508	
		No. absences (patients with >0), mean n days	37.63	48.74	57.76	
		No. absences (all patients), mean n days	28.27	7.51	2.17	
		Control enrollees, n	16,383	103,213	64,948	
		With >0 absences, n enrollees	12,254	5,840	1,449	
		No. absences (enrollees with >0), mean n days	32.62	41.57	46.87	
		No. absences (all enrollees), mean n days	24.40	2.35	1.05	
		Estimated attributable absences and cost				
		Absent days, simple mean	3.87	5.16	1.12	10.2
		Absent days, regression-adjusted mean (95% CI)	3.1 (2.1-4.0)	6.2 (5.7-6.6)	1.1 (0.8-1.4)	10.3 (9.5-11.1)
		Estimated cost, mean (95% CI)	\$429 (301-557)	\$865 (799-931)	\$155 (108-201)	\$1,448 (1,342-1,557)
	Lower extremities	Injury patients, n	2,717	17,190	10,910	
		With >0 absences, n patients	2,034	3,276	406	
		No. absences (patients with >0), mean n days	40.60	52.03	53.97	
		No. absences (all patients), mean n days	30.40	9.92	2.01	
		Control enrollees, n	12,053	83,662	52,147	
		With >0 absences, n enrollees	8,952	5,341	1,183	
		No. absences (enrollees with >0), mean n days	32.63	41.26	45.67	
		No. absences (all enrollees), mean n days	24.24	2.63	1.04	
		Estimated attributable absences and cost				

		Absent days, simple mean	6.16	7.29	0.97	14.4
		Absent days, regression-adjusted mean (95% CI)	4.6 (3.5-5.8)	8.6 (8.0-9.2)	1.0 (0.6-1.3)	14.2 (13.3-15.2)
		Estimated cost, mean (95% CI)	\$652 (491-814)	\$1,208 (1,122-1,294)	\$138 (89-187)	\$1,998 (1,864-2,132)
	Torso, Total	Injury patients, n	6,357	38,363	24,442	
		With >0 absences, n patients	4,769	6,537	914	
		No. absences (patients with >0), mean n days	38.90	50.39	56.08	
		No. absences (all patients), mean n days	29.18	8.59	2.10	
		Control enrollees, n	28,436	186,875	117,095	
		With >0 absences, n enrollees	21,206	11,181	2,632	
		No. absences (enrollees with >0), mean n days	32.63	41.42	46.33	
		No. absences (all enrollees), mean n days	24.33	2.48	1.04	
		Estimated attributable absences and cost				
		Absent days, simple mean	4.85	6.11	1.06	12.0
		Absent days, regression-adjusted mean (95% CI)	3.7 (3.0-4.5)	7.2 (6.9-7.6)	1.0 (0.8-1.3)	12.0 (11.4-12.6)
		Estimated cost, mean (95% CI)	\$524 (425-626)	\$1,018 (965-1,071)	\$145 (111-177)	\$1,687 (1,598-1,771)
	Unclassifiable by site	Other or multiple				
		Injury patients, n	304	1,719	1,146	
		With >0 absences, n patients	231	284	51	
		No. absences (patients with >0), mean n days	39.67	48.34	59.27	
		No. absences (all patients), mean n days	30.15	7.99	2.64	
		Control enrollees, n	1,350	8,375	5,469	
		With >0 absences, n enrollees	990	547	147	
		No. absences (enrollees with >0), mean n days	33.10	45.76	47.70	
		No. absences (all enrollees), mean n days	24.27	2.99	1.28	
		Estimated attributable absences and cost				
		Absent days, simple mean	5.88	5.00	1.36	12.2
		Absent days, regression-adjusted mean (95% CI)	4.1 (1.0-7.3)	6.3 (4.4-8.2)	1.6 (0.2-3.0)	12.0 (9.2-14.7)
		Estimated cost, mean (95% CI)	\$581 (142-1,019)	\$887 (624-1,150)	\$224 (28-419)	\$1,691 (1,288-2,071)
	System-wide	Injury patients, n	584	3,418	2,157	
		With >0 absences, n patients	446	431	107	
		No. absences (patients with >0), mean n days	39.74	47.49	44.82	
		No. absences (all patients), mean n days	30.35	5.99	2.22	
		Control enrollees, n	2,601	16,651	10,340	
		With >0 absences, n enrollees	1,966	1,021	252	
		No. absences (enrollees with >0), mean n days	34.23	41.36	53.58	
		No. absences (all enrollees), mean n days	25.88	2.54	1.31	
		Estimated attributable absences and cost				
		Absent days, simple mean	4.47	3.45	0.91	8.8
		Absent days, regression-adjusted mean (95% CI)	3.8 (1.4-6.2)	2.9 (2.0-3.8)	1.2 (0.2-2.2)	7.9 (5.9-9.8)
		Estimated cost, mean (95% CI)	\$531 (194-869)	\$405 (284-527)	\$172 (30-314)	\$1,108 (831-1,384)
	Unclassifiable by site, Total	Injury patients, n	888	5,137	3,303	
		With >0 absences, n patients	677	715	158	
		No. absences (patients with >0), mean n days	39.72	47.83	49.48	
		No. absences (all patients), mean n days	30.28	6.66	2.37	
		Control enrollees, n	3,951	25,026	15,809	
		With >0 absences, n enrollees	2,956	1,568	399	
		No. absences (enrollees with >0), mean n days	33.85	42.90	51.41	
		No. absences (all enrollees), mean n days	25.33	2.69	1.30	
		Estimated attributable absences and cost				
		Absent days, simple mean	4.95	3.97	1.07	10.0
		Absent days, regression-adjusted mean (95% CI)	3.9 (2.0-5.8)	4.1 (3.2-4.9)	1.4 (0.5-2.3)	9.4 (7.8-11.1)
		Estimated cost, mean (95% CI)	\$551 (284-817)	\$571 (451-690)	\$202 (76-329)	\$1,324 (1,090-1,567)
All body regions	All body regions	Injury patients, n	11,282	67,821	43,109	
		With >0 absences, n patients	8,493	11,092	1,704	
		No. absences (patients with >0), mean n days	38.64	49.96	54.54	
		No. absences (all patients), mean n days	29.09	8.17	2.16	

	Control enrollees, n	50,409	330,167	206,201	
	With >0 absences, n enrollees	37,576	20,018	4,633	
	No. absences (enrollees with >0), mean n days	32.73	41.32	46.78	
	No. absences (all enrollees), mean n days	24.40	2.51	1.05	
	Estimated attributable absences and cost				
	Absent days, simple mean	4.69	5.66	1.11	11.5
	Absent days, regression-adjusted mean (95% CI)	3.6 (3.1-4.1)	6.6 (6.3-6.9)	1.1 (0.9-1.3)	11.3 (10.8-11.7)
	Estimated cost, mean (95% CI)	\$506 (430-582)	\$927 (887-966)	\$155 (128-180)	\$1,587 (1,520-1,650)

Notes. All costs are 2015 USD. NC = not calculated, due to low number of observations (<50 injury or control enrollees with >0 absences) in the data source. NS = not significant, the regression-adjusted attributable number of lost work days due to the injury type was not statistically significantly higher among injured patients compared to control enrollees.

Values are mean (95% confidence interval [CI] or prediction interval [PI])—in the case that multiple estimates by absence type were probabilistically combined using @RISK. For injury types with just one attributable absence type value reported, "Total" days reflects that absence type's mean (95% CI) regression-adjusted value. Otherwise, variance for "Total" days estimates was based on a probabilistic combination of variance for multiple absence type estimates (e.g., workplace absence + short-term disability absence estimates for Traumatic brain injuries) using Excel Palisade @RISK (Ithaca, NY). For those calculations, 1,000 sums drawn from Pert distributions representing each absence type—with mean (95% CI) estimates of absent days by type included as the distributions' most likely, minimum, and maximum values—were computed, and the middle 95% of resulting values comprise the reported PI range. Total cost was assessed as the mean number of days and 95% CI or PI values multiplied by the estimated value of lost work days described in the Methods text (\$141).

Source data: MarketScan Health and Productivity Management dataset, 2014-2016. Injury classification is based on the ICD-9-CM Barrell Matrix (www.cdc.gov/nchs/injury/injury_tools.htm).

STable 3. Number of injury and control enrollees and estimated average per-person one-year number and associated value of lost work days due to non-fatal injuries (by mechanism) initially treated in an emergency department during October 1, 2014 through September 30, 2015, Marketscan – Employer health insurance enrollees age 18-64 years, ED disposition: Hospitalized (2015 USD)

Mechanism	Measure	Work absence	Short-term disability	Workers' compensation	Total days and cost
Cut/pierce	Injury patients, n	1	7	3	
	With >0 absences, n patients	1	2	0	
	No. absences (patients with >0), mean n days	49.38	112.14	0.00	
	No. absences (all patients), mean n days	49.38	32.04	0.00	
	Control enrollees, n	5	35	15	
	With >0 absences, n enrollees	5	4	1	
	No. absences (enrollees with >0), mean n days	49.82	16.61	55.71	
	No. absences (all enrollees), mean n days	49.82	1.90	3.71	
	Estimated attributable absences and cost				
	Absent days, simple mean	NC	NC	NC	NC
Absent days, regression-adjusted mean (95% CI)	NC	NC	NC	NC	
Estimated cost, mean (95% CI)	NC	NC	NC	NC	
Drowning/submersion	Injury patients, n	0	1	0	
	With >0 absences, n patients	0	1	0	
	No. absences (patients with >0), mean n days	0.00	30.00	0.00	
	No. absences (all patients), mean n days	0.00	30.00	0.00	
	Control enrollees, n	0	5	0	
	With >0 absences, n enrollees	0	0	0	
	No. absences (enrollees with >0), mean n days	0.00	0.00	0.00	
	No. absences (all enrollees), mean n days	0.00	0.00	0.00	
	Estimated attributable absences and cost				
	Absent days, simple mean	NC	NC	NC	NC
Absent days, regression-adjusted mean (95% CI)	NC	NC	NC	NC	
Estimated cost, mean (95% CI)	NC	NC	NC	NC	
Fall	Injury patients, n	63	299	191	
	With >0 absences, n patients	46	137	5	
	No. absences (patients with >0), mean n days	57.15	72.30	113.00	
	No. absences (all patients), mean n days	41.73	33.13	2.96	
	Control enrollees, n	275	1,469	916	
	With >0 absences, n enrollees	214	113	17	
	No. absences (enrollees with >0), mean n days	34.29	41.25	52.77	
	No. absences (all enrollees), mean n days	26.68	3.17	0.98	
	Estimated attributable absences and cost				
	Absent days, simple mean	NC	29.96	NC	30.0
Absent days, regression-adjusted mean (95% CI)	NC	49.5 (29.7-69.2)	NC	49.5 (29.7-69.2)	
Estimated cost, mean (95% CI)	NC	\$6,956 (4,182-9,728)	NC	\$6,956 (4,182-9,728)	
Fire/burn	Injury patients, n	3	17	14	
	With >0 absences, n patients	2	11	1	
	No. absences (patients with >0), mean n days	102.12	57.27	30.00	
	No. absences (all patients), mean n days	68.08	37.06	2.14	
	Control enrollees, n	11	81	65	
	With >0 absences, n enrollees	10	3	0	
	No. absences (enrollees with >0), mean n days	37.55	50.71	0.00	
	No. absences (all enrollees), mean n days	34.13	1.88	0.00	
	Estimated attributable absences and cost				
	Absent days, simple mean	NC	NC	NC	NC

	Absent days, regression-adjusted mean (95% CI)	NC	NC	NC	NC
	Estimated cost, mean (95% CI)	NC	NC	NC	NC
Fire/flame	Injury patients, n	3	9	8	
	With >0 absences, n patients	2	7	0	
	No. absences (patients with >0), mean n days	102.12	79.39	0.00	
	No. absences (all patients), mean n days	68.08	61.75	0.00	
	Control enrollees, n	11	43	35	
	With >0 absences, n enrollees	10	2	0	
	No. absences (enrollees with >0), mean n days	37.55	13.93	0.00	
	No. absences (all enrollees), mean n days	34.13	0.65	0.00	
	Estimated attributable absences and cost				
	Absent days, simple mean	NC	NC	NC	NC
Absent days, regression-adjusted mean (95% CI)	NC	NC	NC	NC	
Estimated cost, mean (95% CI)	NC	NC	NC	NC	
Hot object/substance	Injury patients, n	0	8	6	
	With >0 absences, n patients	0	4	1	
	No. absences (patients with >0), mean n days	0.00	18.57	30.00	
	No. absences (all patients), mean n days	0.00	9.29	5.00	
	Control enrollees, n	0	38	30	
	With >0 absences, n enrollees	0	1	0	
	No. absences (enrollees with >0), mean n days	0.00	124.29	0.00	
	No. absences (all enrollees), mean n days	0.00	3.27	0.00	
	Estimated attributable absences and cost				
	Absent days, simple mean	NC	NC	NC	NC
Absent days, regression-adjusted mean (95% CI)	NC	NC	NC	NC	
Estimated cost, mean (95% CI)	NC	NC	NC	NC	
Firearm	Injury patients, n	2	9	3	
	With >0 absences, n patients	2	6	1	
	No. absences (patients with >0), mean n days	72.92	54.52	1.43	
	No. absences (all patients), mean n days	72.92	36.35	0.48	
	Control enrollees, n	10	37	15	
	With >0 absences, n enrollees	9	2	1	
	No. absences (enrollees with >0), mean n days	46.10	25.71	32.14	
	No. absences (all enrollees), mean n days	41.49	1.39	2.14	
	Estimated attributable absences and cost				
	Absent days, simple mean	NC	NC	NC	NC
Absent days, regression-adjusted mean (95% CI)	NC	NC	NC	NC	
Estimated cost, mean (95% CI)	NC	NC	NC	NC	
Machinery	Injury patients, n	1	5	4	
	With >0 absences, n patients	1	4	0	
	No. absences (patients with >0), mean n days	36.00	53.04	0.00	
	No. absences (all patients), mean n days	36.00	42.43	0.00	
	Control enrollees, n	5	23	20	
	With >0 absences, n enrollees	5	2	1	
	No. absences (enrollees with >0), mean n days	37.34	48.57	40.00	
	No. absences (all enrollees), mean n days	37.34	4.22	2.00	
	Estimated attributable absences and cost				
	Absent days, simple mean	NC	NC	NC	NC
Absent days, regression-adjusted mean (95% CI)	NC	NC	NC	NC	
Estimated cost, mean (95% CI)	NC	NC	NC	NC	
Motor vehicle traffic	Injury patients, n	73	290	200	
	With >0 absences, n patients	60	163	3	
	No. absences (patients with >0), mean n days	77.39	80.20	1.43	

	No. absences (all patients), mean n days	63.61	45.08	0.02	
	Control enrollees, n	321	1,397	949	
	With >0 absences, n enrollees	260	77	27	
	No. absences (enrollees with >0), mean n days	35.66	36.05	46.83	
	No. absences (all enrollees), mean n days	28.89	1.99	1.33	
	Estimated attributable absences and cost				
	Absent days, simple mean	34.72	43.09	NC	77.8
	Absent days, regression-adjusted mean (95% CI)	28.2 (16.0-40.5)	131.1 (61.3-200.9)	NC	159.3 (108.6-209.8)
	Estimated cost, mean (95% CI)	\$3,969 (2,251-5,687)	\$18,433 (8,620-28,247)	NC	\$22,403 (15,272-29,498)
Occupant	Injury patients, n	18	109	66	
	With >0 absences, n patients	16	60	2	
	No. absences (patients with >0), mean n days	83.15	85.54	1.43	
	No. absences (all patients), mean n days	73.91	47.08	0.04	
	Control enrollees, n	76	520	317	
	With >0 absences, n enrollees	60	31	7	
	No. absences (enrollees with >0), mean n days	36.28	41.27	56.53	
	No. absences (all enrollees), mean n days	28.64	2.46	1.25	
	Estimated attributable absences and cost				
	Absent days, simple mean	NC	NC	NC	NC
	Absent days, regression-adjusted mean (95% CI)	NC	NC	NC	NC
	Estimated cost, mean (95% CI)	NC	NC	NC	NC
Motorcyclist	Injury patients, n	34	97	76	
	With >0 absences, n patients	26	56	0	
	No. absences (patients with >0), mean n days	78.20	83.09	0.00	
	No. absences (all patients), mean n days	59.80	47.97	0.00	
	Control enrollees, n	142	468	355	
	With >0 absences, n enrollees	120	24	12	
	No. absences (enrollees with >0), mean n days	36.30	31.55	36.55	
	No. absences (all enrollees), mean n days	30.67	1.62	1.24	
	Estimated attributable absences and cost				
	Absent days, simple mean	NC	NC	NC	NC
	Absent days, regression-adjusted mean (95% CI)	NC	NC	NC	NC
	Estimated cost, mean (95% CI)	NC	NC	NC	NC
Pedal cyclist	Injury patients, n	2	3	3	
	With >0 absences, n patients	2	2	0	
	No. absences (patients with >0), mean n days	56.63	15.00	0.00	
	No. absences (all patients), mean n days	56.63	10.00	0.00	
	Control enrollees, n	10	15	15	
	With >0 absences, n enrollees	10	0	0	
	No. absences (enrollees with >0), mean n days	36.10	0.00	0.00	
	No. absences (all enrollees), mean n days	36.10	0.00	0.00	
	Estimated attributable absences and cost				
	Absent days, simple mean	NC	NC	NC	NC
	Absent days, regression-adjusted mean (95% CI)	NC	NC	NC	NC
	Estimated cost, mean (95% CI)	NC	NC	NC	NC
Pedestrian	Injury patients, n	1	9	5	
	With >0 absences, n patients	1	7	0	
	No. absences (patients with >0), mean n days	76.38	74.29	0.00	
	No. absences (all patients), mean n days	76.38	57.78	0.00	
	Control enrollees, n	5	45	25	
	With >0 absences, n enrollees	4	3	1	
	No. absences (enrollees with >0), mean n days	23.88	29.29	138.57	
	No. absences (all enrollees), mean n days	19.10	1.95	5.54	

	Estimated attributable absences and cost				
	Absent days, simple mean	NC	NC	NC	NC
	Absent days, regression-adjusted mean (95% CI)	NC	NC	NC	NC
	Estimated cost, mean (95% CI)	NC	NC	NC	NC
Unspecified MV	Injury patients, n	17	67	47	
	With >0 absences, n patients	14	35	0	
	No. absences (patients with >0), mean n days	72.67	74.35	0.00	
	No. absences (all patients), mean n days	59.85	38.84	0.00	
	Control enrollees, n	83	324	222	
	With >0 absences, n enrollees	61	19	7	
	No. absences (enrollees with >0), mean n days	32.71	34.29	41.63	
	No. absences (all enrollees), mean n days	24.04	2.01	1.31	
	Estimated attributable absences and cost				
	Absent days, simple mean	NC	NC	NC	NC
	Absent days, regression-adjusted mean (95% CI)	NC	NC	NC	NC
	Estimated cost, mean (95% CI)	NC	NC	NC	NC
Other pedal cyclist	Injury patients, n	9	42	21	
	With >0 absences, n patients	7	14	0	
	No. absences (patients with >0), mean n days	32.65	47.76	0.00	
	No. absences (all patients), mean n days	25.39	15.92	0.00	
	Control enrollees, n	33	208	98	
	With >0 absences, n enrollees	26	14	4	
	No. absences (enrollees with >0), mean n days	32.83	32.91	98.75	
	No. absences (all enrollees), mean n days	25.87	2.21	4.03	
	Estimated attributable absences and cost				
	Absent days, simple mean	NC	NC	NC	NC
	Absent days, regression-adjusted mean (95% CI)	NC	NC	NC	NC
	Estimated cost, mean (95% CI)	NC	NC	NC	NC
Other pedestrian	Injury patients, n	1	1	1	
	With >0 absences, n patients	1	1	0	
	No. absences (patients with >0), mean n days	21.50	40.00	0.00	
	No. absences (all patients), mean n days	21.50	40.00	0.00	
	Control enrollees, n	5	5	5	
	With >0 absences, n enrollees	4	0	0	
	No. absences (enrollees with >0), mean n days	35.69	0.00	0.00	
	No. absences (all enrollees), mean n days	28.55	0.00	0.00	
	Estimated attributable absences and cost				
	Absent days, simple mean	NC	NC	NC	NC
	Absent days, regression-adjusted mean (95% CI)	NC	NC	NC	NC
	Estimated cost, mean (95% CI)	NC	NC	NC	NC
Other transport	Injury patients, n	13	48	42	
	With >0 absences, n patients	9	18	1	
	No. absences (patients with >0), mean n days	72.89	74.44	24.29	
	No. absences (all patients), mean n days	50.46	27.92	0.58	
	Control enrollees, n	62	240	210	
	With >0 absences, n enrollees	49	8	5	
	No. absences (enrollees with >0), mean n days	34.54	52.86	58.00	
	No. absences (all enrollees), mean n days	27.30	1.76	1.38	
	Estimated attributable absences and cost				
	Absent days, simple mean	NC	NC	NC	NC
	Absent days, regression-adjusted mean (95% CI)	NC	NC	NC	NC
	Estimated cost, mean (95% CI)	NC	NC	NC	NC
Natural/environmental	Injury patients, n	0	4	2	

	With >0 absences, n patients	0	3	0	
	No. absences (patients with >0), mean n days	0.00	31.90	0.00	
	No. absences (all patients), mean n days	0.00	23.93	0.00	
	Control enrollees, n	0	20	10	
	With >0 absences, n enrollees	0	1	0	
	No. absences (enrollees with >0), mean n days	0.00	1.43	0.00	
	No. absences (all enrollees), mean n days	0.00	0.07	0.00	
	Estimated attributable absences and cost				
	Absent days, simple mean	NC	NC	NC	NC
	Absent days, regression-adjusted mean (95% CI)	NC	NC	NC	NC
	Estimated cost, mean (95% CI)	NC	NC	NC	NC
Bites and stings	Injury patients, n	5	22	11	
	With >0 absences, n patients	4	3	2	
	No. absences (patients with >0), mean n days	96.44	50.24	27.14	
	No. absences (all patients), mean n days	77.15	6.85	4.94	
	Control enrollees, n	18	110	53	
	With >0 absences, n enrollees	13	9	0	
	No. absences (enrollees with >0), mean n days	30.69	28.25	0.00	
	No. absences (all enrollees), mean n days	22.17	2.31	0.00	
	Estimated attributable absences and cost				
	Absent days, simple mean	NC	NC	NC	NC
	Absent days, regression-adjusted mean (95% CI)	NC	NC	NC	NC
	Estimated cost, mean (95% CI)	NC	NC	NC	NC
Overexertion	Injury patients, n	2	13	6	
	With >0 absences, n patients	2	5	0	
	No. absences (patients with >0), mean n days	35.22	60.00	0.00	
	No. absences (all patients), mean n days	35.22	23.08	0.00	
	Control enrollees, n	9	63	30	
	With >0 absences, n enrollees	9	1	0	
	No. absences (enrollees with >0), mean n days	27.56	50.71	0.00	
	No. absences (all enrollees), mean n days	27.56	0.80	0.00	
	Estimated attributable absences and cost				
	Absent days, simple mean	NC	NC	NC	NC
	Absent days, regression-adjusted mean (95% CI)	NC	NC	NC	NC
	Estimated cost, mean (95% CI)	NC	NC	NC	NC
Poisoning	Injury patients, n	18	98	56	
	With >0 absences, n patients	12	37	3	
	No. absences (patients with >0), mean n days	89.76	48.17	46.90	
	No. absences (all patients), mean n days	59.84	18.19	2.51	
	Control enrollees, n	77	472	264	
	With >0 absences, n enrollees	61	48	10	
	No. absences (enrollees with >0), mean n days	46.23	44.24	56.00	
	No. absences (all enrollees), mean n days	36.62	4.50	2.12	
	Estimated attributable absences and cost				
	Absent days, simple mean	NC	NC	NC	NC
	Absent days, regression-adjusted mean (95% CI)	NC	NC	NC	NC
	Estimated cost, mean (95% CI)	NC	NC	NC	NC
Struck by/against	Injury patients, n	7	18	13	
	With >0 absences, n patients	6	7	0	
	No. absences (patients with >0), mean n days	39.16	94.49	0.00	
	No. absences (all patients), mean n days	33.56	36.75	0.00	
	Control enrollees, n	32	88	61	
	With >0 absences, n enrollees	26	3	0	

	No. absences (enrollees with >0), mean n days	31.77	68.57	0.00	
	No. absences (all enrollees), mean n days	25.81	2.34	0.00	
	Estimated attributable absences and cost				
	Absent days, simple mean	NC	NC	NC	NC
	Absent days, regression-adjusted mean (95% CI)	NC	NC	NC	NC
	Estimated cost, mean (95% CI)	NC	NC	NC	NC
Suffocation	Injury patients, n	2	3	1	
	With >0 absences, n patients	1	0	0	
	No. absences (patients with >0), mean n days	21.13	0.00	0.00	
	No. absences (all patients), mean n days	10.56	0.00	0.00	
	Control enrollees, n	7	15	5	
	With >0 absences, n enrollees	6	1	2	
	No. absences (enrollees with >0), mean n days	35.02	37.14	20.36	
	No. absences (all enrollees), mean n days	30.01	2.48	8.14	
	Estimated attributable absences and cost				
	Absent days, simple mean	NC	NC	NC	NC
	Absent days, regression-adjusted mean (95% CI)	NC	NC	NC	NC
	Estimated cost, mean (95% CI)	NC	NC	NC	NC
Other specified, calssifiable	Injury patients, n	5	19	12	
	With >0 absences, n patients	4	6	1	
	No. absences (patients with >0), mean n days	38.02	38.69	85.00	
	No. absences (all patients), mean n days	30.41	12.22	7.08	
	Control enrollees, n	25	93	60	
	With >0 absences, n enrollees	19	4	1	
	No. absences (enrollees with >0), mean n days	34.28	50.36	14.29	
	No. absences (all enrollees), mean n days	26.06	2.17	0.24	
	Estimated attributable absences and cost				
	Absent days, simple mean	NC	NC	NC	NC
	Absent days, regression-adjusted mean (95% CI)	NC	NC	NC	NC
	Estimated cost, mean (95% CI)	NC	NC	NC	NC
Other specified, NEC	Injury patients, n	1	12	9	
	With >0 absences, n patients	0	2	0	
	No. absences (patients with >0), mean n days	0.00	64.64	0.00	
	No. absences (all patients), mean n days	0.00	10.77	0.00	
	Control enrollees, n	5	59	42	
	With >0 absences, n enrollees	4	5	2	
	No. absences (enrollees with >0), mean n days	29.54	17.86	35.36	
	No. absences (all enrollees), mean n days	23.64	1.51	1.68	
	Estimated attributable absences and cost				
	Absent days, simple mean	NC	NC	NC	NC
	Absent days, regression-adjusted mean (95% CI)	NC	NC	NC	NC
	Estimated cost, mean (95% CI)	NC	NC	NC	NC
Unspecified	Injury patients, n	10	42	39	
	With >0 absences, n patients	7	22	1	
	No. absences (patients with >0), mean n days	64.17	59.16	1.43	
	No. absences (all patients), mean n days	44.92	30.99	0.04	
	Control enrollees, n	42	197	180	
	With >0 absences, n enrollees	34	19	5	
	No. absences (enrollees with >0), mean n days	37.32	53.87	16.14	
	No. absences (all enrollees), mean n days	30.21	5.20	0.45	
	Estimated attributable absences and cost				
	Absent days, simple mean	NC	NC	NC	NC
	Absent days, regression-adjusted mean (95% CI)	NC	NC	NC	NC

	Estimated cost, mean (95% CI)	NC	NC	NC	NC
Adverse effects	Injury patients, n	0	2	1	
	With >0 absences, n patients	0	1	0	
	No. absences (patients with >0), mean n days	0.00	68.57	0.00	
	No. absences (all patients), mean n days	0.00	34.29	0.00	
	Control enrollees, n	0	10	5	
	With >0 absences, n enrollees	0	1	0	
	No. absences (enrollees with >0), mean n days	0.00	40.71	0.00	
	No. absences (all enrollees), mean n days	0.00	4.07	0.00	
	Estimated attributable absences and cost				
	Absent days, simple mean	NC	NC	NC	NC
Absent days, regression-adjusted mean (95% CI)	NC	NC	NC	NC	
Estimated cost, mean (95% CI)	NC	NC	NC	NC	
Ecode Missing	Injury patients, n	172	1,031	605	
	With >0 absences, n patients	135	435	16	
	No. absences (patients with >0), mean n days	53.51	69.98	33.30	
	No. absences (all patients), mean n days	42.00	29.53	0.88	
	Control enrollees, n	747	5,011	2,885	
	With >0 absences, n enrollees	568	299	73	
	No. absences (enrollees with >0), mean n days	33.71	42.60	48.76	
	No. absences (all enrollees), mean n days	25.63	2.54	1.23	
	Estimated attributable absences and cost				
	Absent days, simple mean	16.37	26.99	NC	43.4
Absent days, regression-adjusted mean (95% CI)	13.8 (8.1-19.5)	39.3 (30.7-47.8)	NC	53.0 (45.9-60.1)	
Estimated cost, mean (95% CI)	\$1,938 (1,136-2,738)	\$5,519 (4,322-6,715)	NC	\$7,456 (6,450-8,444)	
Total	Injury patients, n	388	1,983	1,234	
	With >0 absences, n patients	300	878	34	
	No. absences (patients with >0), mean n days	60.76	70.17	42.33	
	No. absences (all patients), mean n days	46.98	31.07	1.17	
	Control enrollees, n	1,689	9,638	5,888	
	With >0 absences, n enrollees	1,322	614	149	
	No. absences (enrollees with >0), mean n days	34.96	41.45	48.99	
	No. absences (all enrollees), mean n days	27.36	2.64	1.24	
	Estimated attributable absences and cost				
	Absent days, simple mean	19.62	28.43	NC	48.1
Absent days, regression-adjusted mean (95% CI)	16.1 (11.6-20.5)	44.5 (37.3-51.6)	NC	60.5 (54.6-66.7)	
Estimated cost, mean (95% CI)	\$2,257 (1,630-2,884)	\$6,254 (5,249-7,259)	NC	\$8,511 (7,681-9,372)	

Notes. All costs are 2015 USD. NC = not calculated, due to low number of observations (<50 injury or control enrollees with >0 absences) in the data source. NEC = Not elsewhere classifiable. NS = not significant, the regression-adjusted attributable number of lost work days due to the injury type was not statistically significantly higher among injured patients compared to control enrollees.

Values are mean (95% confidence interval [CI] or prediction interval [PI])—in the case that multiple estimates by absence type were probabilistically combined). For injury types with just one attributable absence type value reported, "Total" days reflects that absence type's mean (95% CI) regression-adjusted value. Otherwise, variance for "Total" days estimates was based on a probabilistic combination of variance for multiple absence type estimates (e.g., workplace absence + short-term disability absence estimates for Cut/pierce injuries) using Excel Palisade @RISK (Ithaca, NY). For those calculations, 1,000 sums drawn from Pert distributions representing each absence type—with mean (95% CI) estimates of absent days by type included as the distributions' most likely, minimum, and maximum values—were computed, and the middle 95% of resulting values comprise the reported PI range. Total cost was assessed as the mean number of days and 95% CI or PI values multiplied by the estimated value of lost work days described in the Methods text (\$141).

Source data: MarketScan Health and Productivity Management dataset, 2014-2016. Injury classification is based on the ICD-9-CM E-code Matrix (www.cdc.gov/nchs/injury/injury_tools.htm).

STable 4. Number of injury and control enrollees and estimated average per-person one-year number and associated value of lost work days due to non-fatal injuries (by mechanism) initially treated in an emergency department during October 1, 2014 through September 30, 2015, Marketscan – Employer health insurance enrollees age 18-64 years, ED disposition: Treated and released (2015 USD)

Mechanism	Measure	Work absence	Short-term disability	Workers' compensation	Total days and cost
Cut/pierce	Injury patients, n	699	3,357	2,242	
	With >0 absences, n patients	550	320	54	
	No. absences (patients with >0), mean n days	36.20	39.94	42.46	
	No. absences (all patients), mean n days	28.48	3.81	1.02	
	Control enrollees, n	3,148	16,395	10,792	
	With >0 absences, n enrollees	2,394	893	228	
	No. absences (enrollees with >0), mean n days	34.06	41.37	46.63	
	No. absences (all enrollees), mean n days	25.90	2.25	0.99	
	Estimated attributable absences and cost				
	Absent days, simple mean	2.58	1.56	0.03	4.2
Absent days, regression-adjusted mean (95% CI)	2.1 (0.1-4.0)	1.8 (1.1-2.6)	NS	3.9 (2.3-5.3)	
Estimated cost, mean (95% CI)	\$288 (13-564)	\$256 (152-360)	NS	\$544 (325-750)	
Drowning/submersion	Injury patients, n	1	11	9	
	With >0 absences, n patients	0	2	0	
	No. absences (patients with >0), mean n days	0.00	21.07	0.00	
	No. absences (all patients), mean n days	0.00	3.83	0.00	
	Control enrollees, n	5	52	41	
	With >0 absences, n enrollees	4	3	1	
	No. absences (enrollees with >0), mean n days	28.63	11.67	2.14	
	No. absences (all enrollees), mean n days	22.90	0.67	0.05	
	Estimated attributable absences and cost				
	Absent days, simple mean	NC	NC	NC	NC
Absent days, regression-adjusted mean (95% CI)	NC	NC	NC	NC	
Estimated cost, mean (95% CI)	NC	NC	NC	NC	
Fall	Injury patients, n	1,104	6,355	3,951	
	With >0 absences, n patients	857	1,235	157	
	No. absences (patients with >0), mean n days	40.70	53.18	51.56	
	No. absences (all patients), mean n days	31.60	10.33	2.05	
	Control enrollees, n	4,884	30,815	18,849	
	With >0 absences, n enrollees	3,764	1,951	427	
	No. absences (enrollees with >0), mean n days	33.21	42.22	44.46	
	No. absences (all enrollees), mean n days	25.59	2.67	1.01	
	Estimated attributable absences and cost				
	Absent days, simple mean	6.01	7.66	1.04	14.7
Absent days, regression-adjusted mean (95% CI)	4.8 (3.1-6.5)	9.2 (8.2-10.3)	1.0 (0.4-1.5)	15.0 (13.6-16.5)	
Estimated cost, mean (95% CI)	\$676 (437-917)	\$1,298 (1,152-1,444)	\$135 (58-211)	\$2,109 (1,907-2,321)	
Fire/burn	Injury patients, n	52	285	178	
	With >0 absences, n patients	41	32	3	
	No. absences (patients with >0), mean n days	36.50	26.21	45.71	
	No. absences (all patients), mean n days	28.78	2.94	0.77	
	Control enrollees, n	228	1,375	850	
	With >0 absences, n enrollees	182	74	15	
	No. absences (enrollees with >0), mean n days	34.85	40.23	40.52	
	No. absences (all enrollees), mean n days	27.82	2.17	0.72	
	Estimated attributable absences and cost				

	Absent days, simple mean	NC	NC	NC	NC
	Absent days, regression-adjusted mean (95% CI)	NC	NC	NC	NC
	Estimated cost, mean (95% CI)	NC	NC	NC	NC
Fire/flame	Injury patients, n	11	56	43	
	With >0 absences, n patients	9	9	0	
	No. absences (patients with >0), mean n days	32.09	24.52	0.00	
	No. absences (all patients), mean n days	26.25	3.94	0.00	
	Control enrollees, n	49	273	204	
	With >0 absences, n enrollees	36	12	4	
	No. absences (enrollees with >0), mean n days	33.29	32.92	52.32	
	No. absences (all enrollees), mean n days	24.46	1.45	1.03	
	Estimated attributable absences and cost				
	Absent days, simple mean	NC	NC	NC	NC
Absent days, regression-adjusted mean (95% CI)	NC	NC	NC	NC	
Estimated cost, mean (95% CI)	NC	NC	NC	NC	
Hot object/substance	Injury patients, n	41	229	135	
	With >0 absences, n patients	32	23	3	
	No. absences (patients with >0), mean n days	37.74	26.86	45.71	
	No. absences (all patients), mean n days	29.46	2.70	1.02	
	Control enrollees, n	179	1,102	646	
	With >0 absences, n enrollees	146	62	11	
	No. absences (enrollees with >0), mean n days	35.24	41.65	36.23	
	No. absences (all enrollees), mean n days	28.74	2.34	0.62	
	Estimated attributable absences and cost				
	Absent days, simple mean	NC	NC	NC	NC
Absent days, regression-adjusted mean (95% CI)	NC	NC	NC	NC	
Estimated cost, mean (95% CI)	NC	NC	NC	NC	
Firearm	Injury patients, n	10	37	22	
	With >0 absences, n patients	7	7	0	
	No. absences (patients with >0), mean n days	36.78	66.84	0.00	
	No. absences (all patients), mean n days	25.74	12.64	0.00	
	Control enrollees, n	38	176	96	
	With >0 absences, n enrollees	21	10	2	
	No. absences (enrollees with >0), mean n days	28.06	34.86	69.29	
	No. absences (all enrollees), mean n days	15.51	1.98	1.44	
	Estimated attributable absences and cost				
	Absent days, simple mean	NC	NC	NC	NC
Absent days, regression-adjusted mean (95% CI)	NC	NC	NC	NC	
Estimated cost, mean (95% CI)	NC	NC	NC	NC	
Machinery	Injury patients, n	31	135	100	
	With >0 absences, n patients	25	21	4	
	No. absences (patients with >0), mean n days	33.37	29.59	38.21	
	No. absences (all patients), mean n days	26.91	4.60	1.53	
	Control enrollees, n	136	651	467	
	With >0 absences, n enrollees	111	30	11	
	No. absences (enrollees with >0), mean n days	32.32	56.17	59.35	
	No. absences (all enrollees), mean n days	26.38	2.59	1.40	
	Estimated attributable absences and cost				
	Absent days, simple mean	NC	NC	NC	NC
Absent days, regression-adjusted mean (95% CI)	NC	NC	NC	NC	
Estimated cost, mean (95% CI)	NC	NC	NC	NC	
Motor vehicle traffic	Injury patients, n	586	3,099	1,972	

	With >0 absences, n patients	459	633	80	
	No. absences (patients with >0), mean n days	40.02	50.66	65.95	
	No. absences (all patients), mean n days	31.35	10.35	2.68	
	Control enrollees, n	2,584	15,008	9,332	
	With >0 absences, n enrollees	2,016	1,035	200	
	No. absences (enrollees with >0), mean n days	33.12	40.28	46.74	
	No. absences (all enrollees), mean n days	25.84	2.78	1.00	
	Estimated attributable absences and cost				
	Absent days, simple mean	5.51	7.57	1.68	14.8
	Absent days, regression-adjusted mean (95% CI)	4.0 (1.6-6.3)	9.5 (7.9-11.1)	2.5 (1.2-3.9)	16.0 (13.6-18.4)
	Estimated cost, mean (95% CI)	\$560 (229-890)	\$1,337 (1,114-1,561)	\$353 (165-541)	\$2,250 (1,910-2,592)
Occupant	Injury patients, n	399	2,188	1,376	
	With >0 absences, n patients	312	443	60	
	No. absences (patients with >0), mean n days	39.10	53.00	68.82	
	No. absences (all patients), mean n days	30.57	10.73	3.00	
	Control enrollees, n	1,749	10,564	6,489	
	With >0 absences, n enrollees	1,347	738	146	
	No. absences (enrollees with >0), mean n days	32.20	41.08	50.23	
	No. absences (all enrollees), mean n days	24.80	2.87	1.13	
	Estimated attributable absences and cost				
	Absent days, simple mean	5.77	7.86	1.87	15.5
	Absent days, regression-adjusted mean (95% CI)	4.1 (1.3-6.9)	10.5 (8.3-12.7)	3.4 (1.3-5.5)	18.0 (14.8-21.0)
	Estimated cost, mean (95% CI)	\$574 (177-972)	\$1,475 (1,163-1,788)	\$477 (180-772)	\$2,526 (2,087-2,949)
Motorcyclist	Injury patients, n	83	253	191	
	With >0 absences, n patients	68	77	5	
	No. absences (patients with >0), mean n days	51.12	36.44	38.29	
	No. absences (all patients), mean n days	41.88	11.09	1.00	
	Control enrollees, n	376	1,249	921	
	With >0 absences, n enrollees	322	59	15	
	No. absences (enrollees with >0), mean n days	37.07	37.31	35.95	
	No. absences (all enrollees), mean n days	31.75	1.76	0.59	
	Estimated attributable absences and cost				
	Absent days, simple mean	10.13	9.33	NC	19.5
	Absent days, regression-adjusted mean (95% CI)	8.4 (1.0-15.8)	15.0 (7.9-22.0)	NC	23.4 (15.6-30.4)
	Estimated cost, mean (95% CI)	\$1,181 (145-2,216)	\$2,103 (1,107-3,099)	NC	\$3,284 (2,199-4,280)
Pedal cyclist	Injury patients, n	10	36	18	
	With >0 absences, n patients	8	6	0	
	No. absences (patients with >0), mean n days	39.00	67.14	0.00	
	No. absences (all patients), mean n days	31.20	11.19	0.00	
	Control enrollees, n	44	175	82	
	With >0 absences, n enrollees	31	6	2	
	No. absences (enrollees with >0), mean n days	35.87	46.79	17.50	
	No. absences (all enrollees), mean n days	25.27	1.60	0.43	
	Estimated attributable absences and cost				
	Absent days, simple mean	NC	NC	NC	NC
	Absent days, regression-adjusted mean (95% CI)	NC	NC	NC	NC
	Estimated cost, mean (95% CI)	NC	NC	NC	NC
Pedestrian	Injury patients, n	13	55	31	
	With >0 absences, n patients	10	14	4	
	No. absences (patients with >0), mean n days	28.39	64.95	38.57	
	No. absences (all patients), mean n days	21.84	16.53	4.98	
	Control enrollees, n	58	270	146	

	With >0 absences, n enrollees	45	17	2	
	No. absences (enrollees with >0), mean n days	34.38	45.17	1.07	
	No. absences (all enrollees), mean n days	26.67	2.84	0.01	
	Estimated attributable absences and cost				
	Absent days, simple mean	NC	NC	NC	NC
	Absent days, regression-adjusted mean (95% CI)	NC	NC	NC	NC
	Estimated cost, mean (95% CI)	NC	NC	NC	NC
Unspecified MV	Injury patients, n	75	532	334	
	With >0 absences, n patients	56	86	11	
	No. absences (patients with >0), mean n days	34.40	49.76	72.79	
	No. absences (all patients), mean n days	25.68	8.04	2.40	
	Control enrollees, n	330	2,583	1,588	
	With >0 absences, n enrollees	251	205	32	
	No. absences (enrollees with >0), mean n days	32.48	37.71	42.66	
	No. absences (all enrollees), mean n days	24.71	2.99	0.86	
	Estimated attributable absences and cost				
	Absent days, simple mean	0.97	5.05	NC	6.0
Absent days, regression-adjusted mean (95% CI)	NS	5.5 (3.0-8.1)	NC	5.5 (3.0-8.1)	
Estimated cost, mean (95% CI)	NS	\$776 (418-1,135)	NC	\$776 (418-1,135)	
Other pedal cyclist	Injury patients, n	122	471	277	
	With >0 absences, n patients	89	59	2	
	No. absences (patients with >0), mean n days	38.36	39.47	54.64	
	No. absences (all patients), mean n days	27.99	4.94	0.39	
	Control enrollees, n	551	2,301	1,336	
	With >0 absences, n enrollees	418	102	24	
	No. absences (enrollees with >0), mean n days	36.17	34.96	46.79	
	No. absences (all enrollees), mean n days	27.44	1.55	0.84	
	Estimated attributable absences and cost				
	Absent days, simple mean	0.55	3.39	NC	3.9
Absent days, regression-adjusted mean (95% CI)	NS	5.0 (2.0-8.0)	NC	5.0 (2.0-8.0)	
Estimated cost, mean (95% CI)	NS	\$704 (278-1,129)	NC	\$704 (278-1,129)	
Other pedestrian	Injury patients, n	4	16	13	
	With >0 absences, n patients	4	2	0	
	No. absences (patients with >0), mean n days	66.82	60.36	0.00	
	No. absences (all patients), mean n days	66.82	7.54	0.00	
	Control enrollees, n	17	77	62	
	With >0 absences, n enrollees	15	2	2	
	No. absences (enrollees with >0), mean n days	33.77	67.86	110.00	
	No. absences (all enrollees), mean n days	29.80	1.76	3.55	
	Estimated attributable absences and cost				
	Absent days, simple mean	NC	NC	NC	NC
Absent days, regression-adjusted mean (95% CI)	NC	NC	NC	NC	
Estimated cost, mean (95% CI)	NC	NC	NC	NC	
Other transport	Injury patients, n	79	374	250	
	With >0 absences, n patients	57	78	7	
	No. absences (patients with >0), mean n days	41.68	49.11	25.51	
	No. absences (all patients), mean n days	30.07	10.24	0.71	
	Control enrollees, n	361	1,817	1,168	
	With >0 absences, n enrollees	281	93	28	
	No. absences (enrollees with >0), mean n days	35.14	38.87	40.28	
	No. absences (all enrollees), mean n days	27.35	1.99	0.97	
	Estimated attributable absences and cost				

	Absent days, simple mean	2.72	8.25	NC	11.0
	Absent days, regression-adjusted mean (95% CI)	NS	14.2 (7.2-21.2)	NC	14.2 (7.2-21.2)
	Estimated cost, mean (95% CI)	NS	\$1,998 (1,017-2,979)	NC	\$1,998 (1,017-2,979)
Natural/enviromental	Injury patients, n	38	133	85	
	With >0 absences, n patients	29	12	4	
	No. absences (patients with >0), mean n days	41.37	45.24	101.07	
	No. absences (all patients), mean n days	31.57	4.08	4.76	
	Control enrollees, n	180	655	415	
	With >0 absences, n enrollees	147	45	10	
	No. absences (enrollees with >0), mean n days	35.07	52.02	42.36	
	No. absences (all enrollees), mean n days	28.64	3.57	1.02	
	Estimated attributable absences and cost				
	Absent days, simple mean	NC	NC	NC	NC
	Absent days, regression-adjusted mean (95% CI)	NC	NC	NC	NC
	Estimated cost, mean (95% CI)	NC	NC	NC	NC
Bites and stings	Injury patients, n	274	1,387	892	
	With >0 absences, n patients	202	122	32	
	No. absences (patients with >0), mean n days	36.51	39.34	50.27	
	No. absences (all patients), mean n days	26.91	3.46	1.80	
	Control enrollees, n	1,233	6,782	4,313	
	With >0 absences, n enrollees	946	414	98	
	No. absences (enrollees with >0), mean n days	34.11	38.86	50.81	
	No. absences (all enrollees), mean n days	26.17	2.37	1.15	
	Estimated attributable absences and cost				
	Absent days, simple mean	0.74	1.09	NC	1.8
	Absent days, regression-adjusted mean (95% CI)	NS	1.5 (0.3-2.6)	NC	1.5 (0.3-2.6)
	Estimated cost, mean (95% CI)	NS	\$204 (45-363)	NC	\$204 (45-363)
Overexertion	Injury patients, n	514	2,750	1,854	
	With >0 absences, n patients	400	482	75	
	No. absences (patients with >0), mean n days	37.58	49.53	64.00	
	No. absences (all patients), mean n days	29.25	8.68	2.59	
	Control enrollees, n	2,299	13,353	8,820	
	With >0 absences, n enrollees	1,730	817	207	
	No. absences (enrollees with >0), mean n days	32.61	42.19	51.07	
	No. absences (all enrollees), mean n days	24.54	2.58	1.20	
	Estimated attributable absences and cost				
	Absent days, simple mean	4.71	6.10	1.39	12.2
	Absent days, regression-adjusted mean (95% CI)	3.8 (1.4-6.2)	7.7 (6.2-9.2)	1.2 (0.2-2.1)	12.6 (10.5-14.6)
	Estimated cost, mean (95% CI)	\$531 (195-866)	\$1,083 (869-1,296)	\$162 (32-291)	\$1,776 (1,472-2,059)
Poisoning	Injury patients, n	39	201	120	
	With >0 absences, n patients	33	43	8	
	No. absences (patients with >0), mean n days	52.45	53.55	30.09	
	No. absences (all patients), mean n days	44.38	11.46	2.01	
	Control enrollees, n	171	957	553	
	With >0 absences, n enrollees	146	73	13	
	No. absences (enrollees with >0), mean n days	42.76	44.60	30.11	
	No. absences (all enrollees), mean n days	36.51	3.40	0.71	
	Estimated attributable absences and cost				
	Absent days, simple mean	NC	NC	NC	NC
	Absent days, regression-adjusted mean (95% CI)	NC	NC	NC	NC
	Estimated cost, mean (95% CI)	NC	NC	NC	NC
Struck by/against	Injury patients, n	633	3,206	2,007	

	With >0 absences, n patients	509	443	61	
	No. absences (patients with >0), mean n days	35.12	45.28	76.87	
	No. absences (all patients), mean n days	28.24	6.26	2.34	
	Control enrollees, n	2,798	15,547	9,562	
	With >0 absences, n enrollees	2,185	856	194	
	No. absences (enrollees with >0), mean n days	33.60	38.31	51.53	
	No. absences (all enrollees), mean n days	26.24	2.11	1.05	
	Estimated attributable absences and cost				
	Absent days, simple mean	2.00	4.15	1.29	7.4
	Absent days, regression-adjusted mean (95% CI)	NS	4.5 (3.5-5.4)	NS	4.5 (3.5-5.4)
	Estimated cost, mean (95% CI)	NS	\$629 (494-763)	NS	\$629 (494-763)
Suffocation	Injury patients, n	5	32	28	
	With >0 absences, n patients	4	5	0	
	No. absences (patients with >0), mean n days	28.33	56.57	0.00	
	No. absences (all patients), mean n days	22.66	8.84	0.00	
	Control enrollees, n	22	158	138	
	With >0 absences, n enrollees	18	6	3	
	No. absences (enrollees with >0), mean n days	27.29	40.71	43.33	
	No. absences (all enrollees), mean n days	22.32	1.55	0.94	
	Estimated attributable absences and cost				
	Absent days, simple mean	NC	NC	NC	NC
Absent days, regression-adjusted mean (95% CI)	NC	NC	NC	NC	
Estimated cost, mean (95% CI)	NC	NC	NC	NC	
Other specified, calssifiable	Injury patients, n	246	1,162	794	
	With >0 absences, n patients	173	114	31	
	No. absences (patients with >0), mean n days	34.28	48.83	31.77	
	No. absences (all patients), mean n days	24.11	4.79	1.24	
	Control enrollees, n	1,113	5,623	3,800	
	With >0 absences, n enrollees	835	320	92	
	No. absences (enrollees with >0), mean n days	34.52	40.74	45.92	
	No. absences (all enrollees), mean n days	25.90	2.32	1.11	
	Estimated attributable absences and cost				
	Absent days, simple mean	-1.79	2.47	NC	.7
Absent days, regression-adjusted mean (95% CI)	NS	2.9 (1.4-4.5)	NC	2.9 (1.4-4.5)	
Estimated cost, mean (95% CI)	NS	\$411 (193-627)	NC	\$411 (193-627)	
Other specified, NEC	Injury patients, n	263	1,512	1,062	
	With >0 absences, n patients	205	255	50	
	No. absences (patients with >0), mean n days	43.18	49.95	57.21	
	No. absences (all patients), mean n days	33.66	8.42	2.69	
	Control enrollees, n	1,210	7,313	5,053	
	With >0 absences, n enrollees	915	415	107	
	No. absences (enrollees with >0), mean n days	34.13	41.48	52.34	
	No. absences (all enrollees), mean n days	25.81	2.35	1.11	
	Estimated attributable absences and cost				
	Absent days, simple mean	7.85	6.07	1.58	15.5
Absent days, regression-adjusted mean (95% CI)	5.6 (1.7-9.4)	6.6 (4.8-8.5)	1.5 (0.2-2.7)	13.6 (10.3-16.9)	
Estimated cost, mean (95% CI)	\$780 (238-1,323)	\$932 (673-1,190)	\$204 (30-377)	\$1,916 (1,448-2,375)	
Unspecified	Injury patients, n	216	1,376	923	
	With >0 absences, n patients	145	228	30	
	No. absences (patients with >0), mean n days	35.98	48.66	53.00	
	No. absences (all patients), mean n days	24.16	8.06	1.72	
	Control enrollees, n	926	6,688	4,383	

	With >0 absences, n enrollees	646	454	95	
	No. absences (enrollees with >0), mean n days	30.87	42.77	45.20	
	No. absences (all enrollees), mean n days	21.54	2.90	0.98	
	Estimated attributable absences and cost				
	Absent days, simple mean	2.62	5.16	NC	7.8
	Absent days, regression-adjusted mean (95% CI)	NS	6.4 (4.4-8.3)	NC	6.4 (4.4-8.3)
	Estimated cost, mean (95% CI)	NS	\$893 (617-1,170)	NC	\$893 (617-1,170)
Adverse effects	Injury patients, n	4	33	19	
	With >0 absences, n patients	4	3	0	
	No. absences (patients with >0), mean n days	103.94	103.33	0.00	
	No. absences (all patients), mean n days	103.94	9.39	0.00	
	Control enrollees, n	18	164	90	
	With >0 absences, n enrollees	15	9	2	
	No. absences (enrollees with >0), mean n days	28.71	36.03	68.57	
	No. absences (all enrollees), mean n days	23.92	1.98	1.52	
	Estimated attributable absences and cost				
	Absent days, simple mean	NC	NC	NC	NC
	Absent days, regression-adjusted mean (95% CI)	NC	NC	NC	NC
	Estimated cost, mean (95% CI)	NC	NC	NC	NC
Ecode missing	Injury patients, n	5,974	39,906	25,077	
	With >0 absences, n patients	4,400	6,118	1,072	
	No. absences (patients with >0), mean n days	37.36	47.76	54.17	
	No. absences (all patients), mean n days	27.52	7.32	2.32	
	Control enrollees, n	26,798	194,622	120,193	
	With >0 absences, n enrollees	19,465	11,802	2,725	
	No. absences (enrollees with >0), mean n days	31.84	41.45	46.18	
	No. absences (all enrollees), mean n days	23.13	2.51	1.05	
	Estimated attributable absences and cost				
	Absent days, simple mean	4.39	4.81	1.27	10.5
	Absent days, regression-adjusted mean (95% CI)	3.3 (2.6-4.0)	5.6 (5.3-5.9)	1.3 (1.1-1.6)	10.2 (9.6-10.8)
	Estimated cost, mean (95% CI)	\$468 (367-568)	\$785 (738-831)	\$183 (148-218)	\$1,435 (1,351-1,517)
Total	Injury patients, n	10,894	65,838	41,875	
	With >0 absences, n patients	8,193	10,214	1,670	
	No. absences (patients with >0), mean n days	37.83	48.22	54.79	
	No. absences (all patients), mean n days	28.45	7.48	2.18	
	Control enrollees, n	48,720	320,529	200,313	
	With >0 absences, n enrollees	36,254	19,404	4,484	
	No. absences (enrollees with >0), mean n days	32.65	41.32	46.71	
	No. absences (all enrollees), mean n days	24.29	2.50	1.05	
	Estimated attributable absences and cost				
	Absent days, simple mean	4.16	4.98	1.13	10.3
	Absent days, regression-adjusted mean (95% CI)	3.2 (2.6-3.7)	5.7 (5.5-6.0)	1.1 (0.9-1.3)	10.0 (9.5-10.4)
	Estimated cost, mean (95% CI)	\$444 (370-519)	\$803 (766-839)	\$155 (129-181)	\$1,402 (1,336-1,467)

Notes. All costs are 2015 USD. NC = not calculated, due to low number of observations (<50 injury or control enrollees with >0 absences) in the data source. NEC = Not elsewhere classifiable. NS = not significant, the regression-adjusted attributable number of lost work days due to the injury type was not statistically significantly higher among injured patients compared to control enrollees.

Values are mean (95% confidence interval [CI] or prediction interval [PI])—in the case that multiple estimates by absence type were probabilistically combined). For injury types with just one attributable absence type value reported, "Total" days reflects that absence type's mean (95% CI) regression-adjusted value. Otherwise, variance for "Total" days estimates was based on a probabilistic combination of variance for multiple absence type estimates (e.g., workplace absence + short-term disability absence estimates for Cut/pierce injuries) using Excel Palisade @RISK (Ithaca, NY). For those calculations, 1,000 sums drawn from Pert distributions representing each absence type—with mean (95% CI) estimates of absent days by type included as the distributions' most likely, minimum, and maximum values—were computed, and the middle 95% of resulting values comprise the reported PI range. Total cost was assessed as the mean number of days and 95% CI or PI values multiplied by the estimated value of lost work days described in the Methods text (\$141).

Source data: MarketScan Health and Productivity Management dataset, 2014-2016. Injury classification is based on the ICD-9-CM E-code Matrix

STable 5. Number of injury and control enrollees and estimated average per-person one-year number and associated value of lost work days due to non-fatal injuries (by body region) initially treated in an emergency department during October 1, 2014 through September 30, 2015, Marketscan – Employer health insurance enrollees age 18-64 years, ED disposition: Hospitalized (2015 USD)

Body Region	Body Region	Measure	Work absence	Short-term disability	Workers' compensation	Total days and cost	
Head and neck	Traumatic brain injury	Injury patients, n	37	202	115		
		With >0 absences, n patients	29	91	3		
		No. absences (patients with >0), mean n days	60.81	64.77	6.19		
		No. absences (all patients), mean n days	47.66	29.18	0.16		
		Control enrollees, n	148	987	538		
		With >0 absences, n enrollees	123	56	13		
		No. absences (enrollees with >0), mean n days	33.27	44.03	49.73		
		No. absences (all enrollees), mean n days	27.65	2.50	1.20		
		Estimated attributable absences and cost					
		Absent days, simple mean	NC	26.68	NC	26.7	
		Absent days, regression-adjusted mean (95% CI)	NC	77.0 (15.8-138.2)	NC	77.0 (15.8-138.2)	
		Estimated cost, mean (95% CI)	NC	\$10,828 (2,219-19,437)	NC	\$10,828 (2,219-19,437)	
	Other head, face, and neck	Injury patients, n	31	132	84		
		With >0 absences, n patients	23	70	4		
		No. absences (patients with >0), mean n days	42.91	69.45	8.93		
		No. absences (all patients), mean n days	31.83	36.83	0.43		
		Control enrollees, n	136	641	396		
		With >0 absences, n enrollees	107	37	9		
		No. absences (enrollees with >0), mean n days	33.96	37.34	16.35		
		No. absences (all enrollees), mean n days	26.72	2.16	0.37		
		Estimated attributable absences and cost					
		Absent days, simple mean	NC	NC	NC	NC	
		Absent days, regression-adjusted mean (95% CI)	NC	NC	NC	NC	
		Estimated cost, mean (95% CI)	NC	NC	NC	NC	
Head and neck, Total	Injury patients, n	68	334	199			
	With >0 absences, n patients	52	161	7			
	No. absences (patients with >0), mean n days	52.89	66.81	7.76			
	No. absences (all patients), mean n days	40.44	32.20	0.27			
	Control enrollees, n	284	1,628	934			
	With >0 absences, n enrollees	230	93	22			
	No. absences (enrollees with >0), mean n days	33.59	41.37	36.07			
	No. absences (all enrollees), mean n days	27.20	2.36	0.85			
	Estimated attributable absences and cost						
	Absent days, simple mean	13.24	29.84	NC	43.1		
	Absent days, regression-adjusted mean (95% CI)	10.7 (0.9-20.5)	59.7 (31.9-87.6)	NC	70.4 (48.7-90.5)		
	Estimated cost, mean (95% CI)	\$1,504 (127-2,881)	\$8,395 (4,478-12,314)	NC	\$9,900 (6,844-12,727)		
Spine and back	Spinal cord (SCI)	Injury patients, n	0	5	2		
		With >0 absences, n patients	0	3	0		
		No. absences (patients with >0), mean n days	0.00	217.14	0.00		
		No. absences (all patients), mean n days	0.00	130.29	0.00		
		Control enrollees, n	0	22	10		
		With >0 absences, n enrollees	0	0	0		
		No. absences (enrollees with >0), mean n days	0.00	0.00	0.00		
		No. absences (all enrollees), mean n days	0.00	0.00	0.00		
		Estimated attributable absences and cost					
		Absent days, simple mean	NC	NC	NC	NC	
		Absent days, regression-adjusted mean (95% CI)	NC	NC	NC	NC	
		Estimated cost, mean (95% CI)	NC	NC	NC	NC	
	Vertebral column (VCI)	Injury patients, n	55	238	159		
		With >0 absences, n patients	44	125	4		
		No. absences (patients with >0), mean n days	81.69	80.97	81.43		
		No. absences (all patients), mean n days	65.35	42.53	2.05		

		Control enrollees, n	240	1,156	748	
		With >0 absences, n enrollees	181	72	11	
		No. absences (enrollees with >0), mean n days	33.05	37.30	25.78	
		No. absences (all enrollees), mean n days	24.93	2.32	0.38	
		Estimated attributable absences and cost				
		Absent days, simple mean	NC	40.21	NC	40.2
		Absent days, regression-adjusted mean (95% CI)	NC	61.9 (35.3-88.4)	NC	61.9 (35.3-88.4)
		Estimated cost, mean (95% CI)	NC	\$8,696 (4,965-12,428)	NC	\$8,696 (4,965-12,428)
	Spine and back, Total	Injury patients, n	55	243	161	
		With >0 absences, n patients	44	128	4	
		No. absences (patients with >0), mean n days	81.69	84.16	81.43	
		No. absences (all patients), mean n days	65.35	44.33	2.02	
		Control enrollees, n	240	1,178	758	
		With >0 absences, n enrollees	181	72	11	
		No. absences (enrollees with >0), mean n days	33.05	37.30	25.78	
		No. absences (all enrollees), mean n days	24.93	2.28	0.37	
		Estimated attributable absences and cost				
		Absent days, simple mean	NC	42.05	NC	42.1
		Absent days, regression-adjusted mean (95% CI)	NC	62.8 (37.7-88.0)	NC	62.8 (37.7-88.0)
		Estimated cost, mean (95% CI)	NC	\$8,834 (5,297-12,372)	NC	\$8,834 (5,297-12,372)
Torso	Torso	Injury patients, n	80	392	243	
		With >0 absences, n patients	64	169	8	
		No. absences (patients with >0), mean n days	57.64	65.25	35.00	
		No. absences (all patients), mean n days	46.11	28.13	1.15	
		Control enrollees, n	373	1,925	1,184	
		With >0 absences, n enrollees	291	112	34	
		No. absences (enrollees with >0), mean n days	35.76	39.71	57.42	
		No. absences (all enrollees), mean n days	27.90	2.31	1.65	
		Estimated attributable absences and cost				
		Absent days, simple mean	18.21	25.82	NC	44.0
		Absent days, regression-adjusted mean (95% CI)	16.8 (8.0-25.6)	62.5 (33.0-92.1)	NC	79.3 (56.8-101.4)
		Estimated cost, mean (95% CI)	\$2,359 (1,121-3,597)	\$8,789 (4,634-12,944)	NC	\$11,148 (7,984-14,255)
Extremities	Upper extremities	Injury patients, n	45	247	156	
		With >0 absences, n patients	35	100	6	
		No. absences (patients with >0), mean n days	42.05	68.53	102.86	
		No. absences (all patients), mean n days	32.71	27.74	3.96	
		Control enrollees, n	197	1,206	747	
		With >0 absences, n enrollees	157	67	15	
		No. absences (enrollees with >0), mean n days	33.17	37.67	48.29	
		No. absences (all enrollees), mean n days	26.44	2.09	0.97	
		Estimated attributable absences and cost				
		Absent days, simple mean	NC	25.65	NC	25.7
		Absent days, regression-adjusted mean (95% CI)	NC	44.8 (22.6-66.9)	NC	44.8 (22.6-66.9)
		Estimated cost, mean (95% CI)	NC	\$6,296 (3,179-9,412)	NC	\$6,296 (3,179-9,412)
	Lower extremities	Injury patients, n	83	440	290	
		With >0 absences, n patients	65	208	4	
		No. absences (patients with >0), mean n days	61.52	78.33	17.32	
		No. absences (all patients), mean n days	48.18	37.03	0.24	
		Control enrollees, n	368	2,134	1,396	
		With >0 absences, n enrollees	284	138	40	
		No. absences (enrollees with >0), mean n days	35.64	42.45	50.20	
		No. absences (all enrollees), mean n days	27.50	2.75	1.44	
		Estimated attributable absences and cost				
		Absent days, simple mean	20.68	34.28	NC	55.0
		Absent days, regression-adjusted mean (95% CI)	18.7 (8.1-29.2)	69.2 (41.6-96.9)	NC	87.9 (67.2-109.4)
		Estimated cost, mean (95% CI)	\$2,626 (1,140-4,111)	\$9,734 (5,848-13,622)	NC	\$12,361 (9,443-15,378)
	Torso, Total	Injury patients, n	128	687	446	
		With >0 absences, n patients	100	308	10	
		No. absences (patients with >0), mean n days	54.71	75.15	68.64	

		No. absences (all patients), mean n days	42.74	33.69	1.54		
		Control enrollees, n	565	3,340	2,143		
		With >0 absences, n enrollees	441	205	55		
		No. absences (enrollees with >0), mean n days	34.76	40.89	49.68		
		No. absences (all enrollees), mean n days	27.13	2.51	1.27		
		Estimated attributable absences and cost					
		Absent days, simple mean	15.61	31.18	NC	46.8	
		Absent days, regression-adjusted mean (95% CI)	12.6 (5.2-20.0)	48.5 (34.9-62.1)	NC	61.1 (49.8-72.3)	
		Estimated cost, mean (95% CI)	\$1,770 (724-2,816)	\$6,819 (4,906-8,733)	NC	\$8,589 (6,997-10,161)	
Unclassifiable by site	Other or multiple	Injury patients, n	7	23	16		
		With >0 absences, n patients	5	7	0		
		No. absences (patients with >0), mean n days	70.84	53.37	0.00		
		No. absences (all patients), mean n days	50.60	16.24	0.00		
		Control enrollees, n	31	112	75		
		With >0 absences, n enrollees	25	4	3		
		No. absences (enrollees with >0), mean n days	37.59	33.93	14.05		
		No. absences (all enrollees), mean n days	30.31	1.21	0.56		
		Estimated attributable absences and cost					
		Absent days, simple mean	NC	NC	NC	NC	
	Absent days, regression-adjusted mean (95% CI)	NC	NC	NC	NC		
	Estimated cost, mean (95% CI)	NC	NC	NC	NC		
	System-wide	Injury patients, n	50	304	169		
		With >0 absences, n patients	35	105	5		
		No. absences (patients with >0), mean n days	67.72	52.74	18.57		
		No. absences (all patients), mean n days	47.40	18.22	0.55		
		Control enrollees, n	196	1,455	794		
		With >0 absences, n enrollees	154	128	24		
		No. absences (enrollees with >0), mean n days	37.87	46.52	62.35		
		No. absences (all enrollees), mean n days	29.76	4.09	1.88		
Estimated attributable absences and cost							
Absent days, simple mean		NC	14.13	NC	14.1		
Absent days, regression-adjusted mean (95% CI)	NC	20.2 (12.8-27.5)	NC	20.2 (12.8-27.5)			
Estimated cost, mean (95% CI)	NC	\$2,835 (1,800-3,868)	NC	\$2,835 (1,800-3,868)			
Unclassifiable by site, Total	Injury patients, n	57	327	185			
	With >0 absences, n patients	40	112	5			
	No. absences (patients with >0), mean n days	68.11	52.78	18.57			
	No. absences (all patients), mean n days	47.79	18.08	0.50			
	Control enrollees, n	227	1,567	869			
	With >0 absences, n enrollees	179	132	27			
	No. absences (enrollees with >0), mean n days	37.83	46.14	56.98			
	No. absences (all enrollees), mean n days	29.83	3.89	1.77			
	Estimated attributable absences and cost						
	Absent days, simple mean	NC	14.19	NC	14.2		
Absent days, regression-adjusted mean (95% CI)	NC	22.9 (14.4-31.3)	NC	22.9 (14.4-31.3)			
Estimated cost, mean (95% CI)	NC	\$3,216 (2,029-4,402)	NC	\$3,216 (2,029-4,402)			
All body regions	All body regions	Injury patients, n	388	1,983	1,234		
		With >0 absences, n patients	300	878	34		
		No. absences (patients with >0), mean n days	60.76	70.17	42.33		
		No. absences (all patients), mean n days	46.98	31.07	1.17		
		Control enrollees, n	1,689	9,638	5,888		
		With >0 absences, n enrollees	1,322	614	149		
		No. absences (enrollees with >0), mean n days	34.96	41.45	48.99		
		No. absences (all enrollees), mean n days	27.36	2.64	1.24		
		Estimated attributable absences and cost					
		Absent days, simple mean	19.62	28.43	NC	48.1	
Absent days, regression-adjusted mean (95% CI)	16.3 (11.8-20.9)	43.8 (37.0-50.6)	NC	60.1 (54.2-65.9)			
Estimated cost, mean (95% CI)	\$2,292 (1,654-2,932)	\$6,154 (5,200-7,109)	NC	\$8,446 (7,615-9,270)			

Notes. All costs are 2015 USD. NC = not calculated, due to low number of observations (<50 injury or control enrollees with >0 absences) in the data source. NS = not significant, the regression-adjusted attributable number of lost work days due to the injury type was not statistically significantly higher among injured patients compared to control enrollees. Values are mean (95% confidence interval [CI] or prediction interval [PI])—in the case that multiple estimates by absence type were probabilistically combined using @RISK). For injury types with just one attributable absence type value reported, "Total" days reflects that absence type's mean (95% CI) regression-adjusted value. Otherwise, variance for "Total" days estimates was based on a probabilistic combination of variance for multiple absence type estimates (e.g., workplace absence + short-term disability absence estimates for Traumatic brain injuries) using Excel Palisade @RISK (Ithaca, NY). For those calculations, 1,000 sums drawn from Pert distributions representing each absence type—with mean (95% CI) estimates of absent days by type included as the distributions' most likely, minimum, and maximum values—were computed, and the middle 95% of resulting values comprise the reported PI range. Total cost was assessed as the mean number of days and 95% CI or PI values multiplied by the estimated value of lost work days described in the Methods text (\$141). Source data: MarketScan Health and Productivity Management dataset, 2014-2016. Injury classification is based on the ICD-9-CM Barrell Matrix (www.cdc.gov/nchs/injury/injury_tools.htm).

STable 6. Number of injury and control enrollees and estimated average per-person one-year number and associated value of lost work days due to non-fatal injuries (by body region) initially treated in an emergency department during October 1, 2014 through September 30, 2015, Marketscan – Employer health insurance enrollees age 18-64 years, ED disposition: Treated and released (2015 USD)

Body Region	Body Region	Measure	Work absence	Short-term disability	Workers' compensation	Total days and cost
Head and neck	Traumatic brain injury	Injury patients, n	256	1,562	948	
		With >0 absences, n patients	195	248	36	
		No. absences (patients with >0), mean n days	39.41	52.74	53.89	
		No. absences (all patients), mean n days	30.02	8.37	2.05	
		Control enrollees, n	1,144	7,576	4,479	
		With >0 absences, n enrollees	825	485	85	
		No. absences (enrollees with >0), mean n days	32.68	40.42	51.59	
		No. absences (all enrollees), mean n days	23.57	2.59	0.98	
		Estimated attributable absences and cost				
	Absent days, simple mean	6.45	5.78	NC	12.2	
	Absent days, regression-adjusted mean (95% CI)	6.3 (2.0-10.6)	8.1 (5.7-10.5)	NC	14.4 (10.8-18.0)	
	Estimated cost, mean (95% CI)	\$884 (280-1,489)	\$1,140 (799-1,481)	NC	\$2,024 (1,515-2,526)	
	Other head, face, and neck	Injury patients, n	1,560	9,552	5,834	
		With >0 absences, n patients	1,167	1,044	223	
		No. absences (patients with >0), mean n days	34.04	44.22	48.32	
		No. absences (all patients), mean n days	25.47	4.83	1.85	
		Control enrollees, n	6,981	46,459	27,906	
		With >0 absences, n enrollees	5,240	2,657	618	
		No. absences (enrollees with >0), mean n days	32.39	40.78	43.87	
No. absences (all enrollees), mean n days		24.31	2.33	0.97		
Estimated attributable absences and cost						
Absent days, simple mean	1.16	2.50	0.88	4.5		
Absent days, regression-adjusted mean (95% CI)	NS	2.7 (2.2-3.2)	0.8 (0.4-1.3)	3.5 (3.0-4.0)		
Estimated cost, mean (95% CI)	NS	\$378 (302-454)	\$118 (56-180)	\$496 (423-567)		
Head and neck, Total	Injury patients, n	1,816	11,114	6,782		
	With >0 absences, n patients	1,362	1,292	259		
	No. absences (patients with >0), mean n days	34.81	45.86	49.10		
	No. absences (all patients), mean n days	26.11	5.33	1.88		
	Control enrollees, n	8,125	54,035	32,385		
	With >0 absences, n enrollees	6,065	3,142	703		
	No. absences (enrollees with >0), mean n days	32.43	40.72	44.81		
	No. absences (all enrollees), mean n days	24.21	2.37	0.97		
	Estimated attributable absences and cost					
Absent days, simple mean	1.90	2.96	0.91	5.8		
Absent days, regression-adjusted mean (95% CI)	1.5 (0.3-2.7)	3.3 (2.8-3.9)	0.8 (0.4-1.2)	5.6 (4.7-6.6)		
Estimated cost, mean (95% CI)	\$214 (42-385)	\$467 (389-544)	\$112 (56-169)	\$793 (655-930)		
Spine and back	Spinal cord (SCI)	Injury patients, n	0	9	5	
		With >0 absences, n patients	0	3	0	
		No. absences (patients with >0), mean n days	0.00	21.90	0.00	
		No. absences (all patients), mean n days	0.00	7.30	0.00	
		Control enrollees, n	0	42	21	
		With >0 absences, n enrollees	0	6	1	
		No. absences (enrollees with >0), mean n days	0.00	56.90	25.71	
		No. absences (all enrollees), mean n days	0.00	8.13	1.22	
		Estimated attributable absences and cost				
	Absent days, simple mean	NC	NC	NC	NC	
	Absent days, regression-adjusted mean (95% CI)	NC	NC	NC	NC	
	Estimated cost, mean (95% CI)	NC	NC	NC	NC	
	Vertebral column (VCI)	Injury patients, n	1,179	7,144	4,625	
		With >0 absences, n patients	891	1,272	220	
		No. absences (patients with >0), mean n days	37.76	46.84	56.72	

		No. absences (all patients), mean n days	28.54	8.34	2.70	
		Control enrollees, n	5,294	34,716	22,057	
		With >0 absences, n enrollees	3,862	2,309	437	
		No. absences (enrollees with >0), mean n days	32.09	40.01	48.02	
		No. absences (all enrollees), mean n days	23.41	2.66	0.95	
		Estimated attributable absences and cost				
		Absent days, simple mean	5.13	5.68	1.75	12.6
		Absent days, regression-adjusted mean (95% CI)	4.1 (2.4-5.8)	6.8 (6.0-7.7)	2.3 (1.5-3.2)	13.2 (11.7-14.7)
		Estimated cost, mean (95% CI)	\$574 (330-817)	\$962 (839-1,083)	\$328 (210-447)	\$1,863 (1,651-2,070)
	Spine and back, Total	Injury patients, n	1,179	7,153	4,630	
		With >0 absences, n patients	891	1,275	220	
		No. absences (patients with >0), mean n days	37.76	46.78	56.72	
		No. absences (all patients), mean n days	28.54	8.34	2.70	
		Control enrollees, n	5,294	34,758	22,078	
		With >0 absences, n enrollees	3,862	2,315	438	
		No. absences (enrollees with >0), mean n days	32.09	40.05	47.96	
		No. absences (all enrollees), mean n days	23.41	2.67	0.95	
		Estimated attributable absences and cost				
		Absent days, simple mean	5.13	5.67	1.75	12.6
		Absent days, regression-adjusted mean (95% CI)	4.1 (2.4-5.8)	6.8 (6.0-7.7)	2.3 (1.5-3.2)	13.2 (11.7-14.8)
		Estimated cost, mean (95% CI)	\$574 (330-817)	\$960 (839-1,083)	\$328 (210-447)	\$1,862 (1,650-2,081)
Torso	Torso	Injury patients, n	839	5,085	3,349	
		With >0 absences, n patients	634	815	134	
		No. absences (patients with >0), mean n days	38.95	48.02	59.74	
		No. absences (all patients), mean n days	29.44	7.70	2.39	
		Control enrollees, n	3,706	24,742	15,958	
		With >0 absences, n enrollees	2,785	1,535	394	
		No. absences (enrollees with >0), mean n days	33.45	42.42	47.58	
		No. absences (all enrollees), mean n days	25.14	2.63	1.17	
		Estimated attributable absences and cost				
		Absent days, simple mean	4.30	5.07	1.22	10.6
		Absent days, regression-adjusted mean (95% CI)	2.4 (0.5-4.3)	5.4 (4.5-6.3)	1.1 (0.5-1.7)	8.9 (7.3-10.4)
		Estimated cost, mean (95% CI)	\$339 (70-607)	\$759 (633-887)	\$153 (63-243)	\$1,252 (1,032-1,457)
Extremities	Upper extremities	Injury patients, n	3,595	20,926	13,376	
		With >0 absences, n patients	2,700	3,161	502	
		No. absences (patients with >0), mean n days	37.57	48.11	57.22	
		No. absences (all patients), mean n days	28.22	7.27	2.15	
		Control enrollees, n	16,186	102,007	64,201	
		With >0 absences, n enrollees	12,097	5,773	1,434	
		No. absences (enrollees with >0), mean n days	32.61	41.62	46.85	
		No. absences (all enrollees), mean n days	24.38	2.36	1.05	
		Estimated attributable absences and cost				
		Absent days, simple mean	3.84	4.91	1.10	9.9
		Absent days, regression-adjusted mean (95% CI)	3.1 (2.2-4.0)	5.9 (5.4-6.3)	1.0 (0.7-1.4)	10.0 (9.2-10.7)
		Estimated cost, mean (95% CI)	\$430 (302-560)	\$827 (762-891)	\$146 (101-190)	\$1,403 (1,293-1,511)
	Lower extremities	Injury patients, n	2,634	16,750	10,620	
		With >0 absences, n patients	1,969	3,068	402	
		No. absences (patients with >0), mean n days	39.91	50.25	54.33	
		No. absences (all patients), mean n days	29.84	9.20	2.06	
		Control enrollees, n	11,685	81,528	50,751	
		With >0 absences, n enrollees	8,668	5,203	1,143	
		No. absences (enrollees with >0), mean n days	32.53	41.23	45.51	
		No. absences (all enrollees), mean n days	24.13	2.63	1.02	
		Estimated attributable absences and cost				
		Absent days, simple mean	5.71	6.57	1.04	13.3
		Absent days, regression-adjusted mean (95% CI)	4.2 (3.1-5.4)	7.6 (7.0-8.2)	1.0 (0.7-1.4)	12.8 (11.9-13.8)
		Estimated cost, mean (95% CI)	\$593 (433-752)	\$1,067 (988-1,146)	\$146 (96-197)	\$1,807 (1,677-1,936)
	Torso, Total	Injury patients, n	6,229	37,676	23,996	
		With >0 absences, n patients	4,669	6,229	904	

		No. absences (patients with >0), mean n days	38.56	49.17	55.94		
		No. absences (all patients), mean n days	28.90	8.13	2.11		
		Control enrollees, n	27,871	183,535	114,952		
		With >0 absences, n enrollees	20,765	10,976	2,577		
		No. absences (enrollees with >0), mean n days	32.58	41.43	46.26		
		No. absences (all enrollees), mean n days	24.27	2.48	1.04		
		Estimated attributable absences and cost					
		Absent days, simple mean	4.63	5.65	1.07	11.4	
		Absent days, regression-adjusted mean (95% CI)	3.6 (2.8-4.3)	6.6 (6.3-7.0)	1.0 (0.8-1.3)	11.2 (10.6-11.8)	
		Estimated cost, mean (95% CI)	\$499 (399-600)	\$934 (883-984)	\$145 (111-177)	\$1,578 (1,496-1,661)	
Unclassifiable by site	Other or multiple	Injury patients, n	297	1,696	1,130		
		With >0 absences, n patients	226	277	51		
		No. absences (patients with >0), mean n days	38.98	48.21	59.27		
		No. absences (all patients), mean n days	29.66	7.87	2.68		
		Control enrollees, n	1,319	8,263	5,394		
		With >0 absences, n enrollees	965	543	144		
	No. absences (enrollees with >0), mean n days	32.98	45.85	48.40			
	No. absences (all enrollees), mean n days	24.13	3.01	1.29			
			Estimated attributable absences and cost				
			Absent days, simple mean	5.53	4.86	1.39	11.8
			Absent days, regression-adjusted mean (95% CI)	3.9 (0.8-7.0)	5.9 (4.1-7.7)	1.6 (0.2-3.0)	11.4 (8.7-14.3)
			Estimated cost, mean (95% CI)	\$548 (108-988)	\$831 (578-1,083)	\$228 (30-426)	\$1,607 (1,220-2,004)
		System-wide	Injury patients, n	534	3,114	1,988	
			With >0 absences, n patients	411	326	102	
			No. absences (patients with >0), mean n days	37.36	45.80	46.11	
			No. absences (all patients), mean n days	28.75	4.79	2.37	
			Control enrollees, n	2,405	15,196	9,546	
			With >0 absences, n enrollees	1,812	893	228	
	No. absences (enrollees with >0), mean n days	33.93	40.62	52.66			
	No. absences (all enrollees), mean n days	25.56	2.39	1.26			
		Estimated attributable absences and cost					
		Absent days, simple mean	3.19	2.40	1.11	6.7	
		Absent days, regression-adjusted mean (95% CI)	3.1 (0.8-5.3)	2.1 (1.3-2.9)	1.6 (0.4-2.7)	6.7 (4.8-8.6)	
		Estimated cost, mean (95% CI)	\$433 (117-749)	\$294 (181-408)	\$221 (60-382)	\$948 (670-1,216)	
	Unclassifiable by site, Total	Injury patients, n	831	4,810	3,118		
		With >0 absences, n patients	637	603	153		
		No. absences (patients with >0), mean n days	37.93	46.91	50.49		
		No. absences (all patients), mean n days	29.08	5.88	2.48		
		Control enrollees, n	3,724	23,459	14,940		
		With >0 absences, n enrollees	2,777	1,436	372		
	No. absences (enrollees with >0), mean n days	33.60	42.60	51.01			
	No. absences (all enrollees), mean n days	25.05	2.61	1.27			
		Estimated attributable absences and cost					
		Absent days, simple mean	4.03	3.27	1.21	8.5	
		Absent days, regression-adjusted mean (95% CI)	3.4 (1.6-5.3)	3.4 (2.6-4.2)	1.7 (0.7-2.7)	8.5 (6.9-10.0)	
		Estimated cost, mean (95% CI)	\$484 (225-741)	\$479 (366-593)	\$236 (101-373)	\$1,199 (977-1,407)	
All body regions	All body regions	Injury patients, n	10,894	65,838	41,875		
		With >0 absences, n patients	8,193	10,214	1,670		
		No. absences (patients with >0), mean n days	37.83	48.22	54.79		
		No. absences (all patients), mean n days	28.45	7.48	2.18		
		Control enrollees, n	48,720	320,529	200,313		
		With >0 absences, n enrollees	36,254	19,404	4,484		
		No. absences (enrollees with >0), mean n days	32.65	41.32	46.71		
		No. absences (all enrollees), mean n days	24.29	2.50	1.05		
		Estimated attributable absences and cost					
		Absent days, simple mean	4.16	4.98	1.13	10.3	
		Absent days, regression-adjusted mean (95% CI)	3.2 (2.6-3.7)	5.7 (5.4-5.9)	1.1 (0.9-1.3)	10.0 (9.5-10.4)	
		Estimated cost, mean (95% CI)	\$446 (370-520)	\$799 (763-835)	\$156 (131-183)	\$1,401 (1,337-1,465)	

Notes. All costs are 2015 USD. NC = not calculated, due to low number of observations (<50 injury or control enrollees with >0 absences) in the data source. NS = not significant, the regression-adjusted attributable number of lost work days due to the injury type was not statistically significantly higher among injured patients compared to control enrollees. Values are mean (95% confidence interval [CI] or prediction interval [PI])—in the case that multiple estimates by absence type were probabilistically combined using @RISK). For injury types with just one attributable absence type value reported, "Total" days reflects that absence type's mean (95% CI) regression-adjusted value. Otherwise, variance for "Total" days estimates was based on a probabilistic combination of variance for multiple absence type estimates (e.g., workplace absence + short-term disability absence estimates for Traumatic brain injuries) using Excel Palisade @RISK (Ithaca, NY). For those calculations, 1,000 sums drawn from Pert distributions representing each absence type—with mean (95% CI) estimates of absent days by type included as the distributions' most likely, minimum, and maximum values—were computed, and the middle 95% of resulting values comprise the reported PI range. Total cost was assessed as the mean number of days and 95% CI or PI values multiplied by the estimated value of lost work days described in the Methods text (\$141).
Source data: MarketScan Health and Productivity Management dataset, 2014-2016. Injury classification is based on the ICD-9-CM Barrell Matrix (www.cdc.gov/nchs/injury/injury_tools.htm).

STable 7. Characteristics of injury patients and control enrollees after matching

Measure	Absence			Short-term disability			Workers' compensation		
	Injury n (%)	Non-injury n (%)	p-value n (%)	Injury n (%)	Non-injury n (%)	p-value n (%)	Injury n (%)	Non-injury n (%)	p-value n (%)
Total	11,282	50,409		67,821	330,167		43,109	206,201	
Age (Mean±SE)	45.0 (0.11)	45.2 (0.05)	0.0884	44.5 (0.04)	44.6 (0.02)	0.0015	44.9 (0.05)	45.1 (0.02)	<.0001
Sex			<.0001			0.249			0.0169
Male	7,947 (70.4)	36,520 (72.4)		39,332 (58.0)	192,268 (58.2)		26,472 (61.4)	127,889 (62.0)	
Female	3,335 (29.6)	13,889 (27.6)		28,489 (42.0)	137,899 (41.8)		16,637 (38.6)	78,312 (38.0)	
Region			0.0003			<.0001			<.0001
Northeast	1,550 (13.7)	6,337 (12.6)		10,590 (15.6)	51,279 (15.5)		5,979 (13.9)	28,081 (13.6)	
North central	2,811 (24.9)	12,158 (24.1)		18,042 (26.6)	86,813 (26.3)		14,279 (33.1)	67,776 (32.9)	
South	4,322 (38.3)	20,066 (39.8)		27,604 (40.7)	135,867 (41.2)		17,388 (40.3)	84,784 (41.1)	
West	2,597 (23.0)	11,846 (23.5)		11,500 (17.0)	55,982 (17.0)		5,440 (12.6)	25,517 (12.4)	
Unknown/missing	2 (0.0)	2 (0.0)		85 (0.1)	226 (0.1)		23 (0.1)	43 (0.0)	
Health Insurance Plan Type			<.0001			<.0001			<.0001
Comprehensive	3 (0.0)	3 (0.0)		2,663 (3.9)	10,927 (3.3)		2,363 (5.5)	9,663 (4.7)	
Exclusive Provider Organization	152 (1.3)	439 (0.9)		308 (0.5)	884 (0.3)		211 (0.5)	564 (0.3)	
Health Maintenance Organization	1,610 (14.3)	6,600 (13.1)		5,738 (8.5)	27,460 (8.3)		4,276 (9.9)	19,938 (9.7)	
Non-Capitated Point-of-Service	364 (3.2)	1,201 (2.4)		2,489 (3.7)	10,394 (3.1)		2,873 (6.7)	12,378 (6.0)	
Preferred Provider Organization	5,058 (44.8)	23,722 (47.1)		38,111 (56.2)	189,817 (57.5)		22,200 (51.5)	110,198 (53.4)	
Consumer-Driven Health Plan	3,759 (33.3)	17,394 (34.5)		11,819 (17.4)	58,264 (17.6)		7,836 (18.2)	38,034 (18.4)	
High Deductible Health Plan	336 (3.0)	1,050 (2.1)		6,693 (9.9)	32,421 (9.8)		3,350 (7.8)	15,426 (7.5)	