

**Table 6D.2: Frequency of Acute Injuries by Location and Diagnosis (Barell Matrix), U.S. Army Active Duty Incident Outpatient Visits, 2012**

	Diagnosis												Total	% By Body Region	
	Fracture	Dislocation	Sprains/Strains	Internal	Open Wound	Ampu-tations	Blood Vessel	Contusion/Superficial	Crush	Burns	Nerves	Unspec			System-wide & Late Effects
<b>Head and Neck</b>															
<b>Traumatic Brain Injury (TBI)</b>															
Type 1 TBI	122	0	0	2,034	0	0	0	0	0	0	3	0	0	2,159	
Type 2 TBI	150	0	0	4,942	0	0	0	0	0	0	0	0	0	5,092	
Type 3 TBI	56	0	0	0	0	0	0	0	0	0	0	0	0	56	
TBI Unspec	0	0	0	0	0	0	0	0	0	0	0	3,011	0	3,011	4.3%
<b>Other Head, Face, Neck</b>															
Other head	0	0	0	0	1,320	0	0	0	0	7	47	0	0	1,374	
Face	1,428	39	61	0	3,584	0	0	0	0	49	0	0	0	5,161	
Eye	0	0	0	0	273	0	0	3,904	0	107	15	0	0	4,299	
Neck	7	0	1	0	82	0	0	0	22	41	9	0	0	162	
Head, Face, Neck Unspec	0	0	0	0	0	0	30	3,637	11	117	4	1,529	0	5,328	6.8%
<b>Spine and Back</b>															
<b>Spinal Cord (SCI)</b>															
Cervical SCI	50	0	0	27	0	0	0	0	0	0	0	0	0	77	
Thoracic/Dorsal SCI	63	0	0	15	0	0	0	0	0	0	0	0	0	78	
Lumbar SCI	42	0	0	15	0	0	0	0	0	0	0	0	0	57	
Sacrum, Coccyx SCI	5	0	0	5	0	0	0	0	0	0	0	0	0	10	
Spine, Back Unspec SCI	10	0	0	68	0	0	0	0	0	0	0	0	0	78	0.1%
<b>Vertebral Column (VCI)</b>															
Cervical VCI	138	16	5,574	0	0	0	0	0	0	0	0	0	0	5,728	
Thoracic/Dorsal VCI	262	4	2,113	0	0	0	0	0	0	0	0	0	0	2,379	
Lumbar VCI	372	10	7,331	0	0	0	0	0	0	0	0	0	0	7,713	
Sacrum Coccyx VCI	161	38	369	0	0	0	0	0	0	0	0	0	0	568	
Spine, Back Unspec VCI	53	1	0	0	0	0	0	0	0	0	0	0	0	54	6.8%
<b>Torso</b>															
Chest (thorax)	672	18	1,739	294	108	0	9	1,674	0	26	1	0	0	4,541	
Abdomen	0	0	0	241	147	0	7	318	0	21	17	0	0	751	
Pelvis,Urogenital	211	13	4,963	50	303	0	2	127	10	11	2	0	0	5,692	
Trunk	6	0	0	0	64	0	0	1,255	2	17	0	3,751	0	5,095	
Back, Buttock	0	0	3,120	0	107	0	0	684	4	43	0	0	0	3,958	8.3%
<b>Extremities</b>															
<b>Upper</b>															
Shoulder, Upper Arm	1,118	2,341	16,267	0	260	11	0	1,278	13	58	0	1,747	0	23,093	
Forearm, Elbow	1,331	111	1,097	0	888	14	0	800	22	196	0	0	0	4,459	
Wrist, Hand, Fingers	6,624	585	6,859	0	7,517	128	0	5,677	622	581	0	1,893	0	30,486	
Other & Unspec	49	0	0	0	232	19	35	1,136	7	73	530	1,206	0	3,287	25.5%
<b>Lower</b>															
Hip	213	67	6,886	0	0	0	0	465	2	0	0	0	0	7,633	
Upper leg, Thigh	262	0	0	0	0	80	0	270	5	51	0	0	0	668	
Knee	175	4,567	4,331	0	0	0	0	1,655	12	7	0	0	0	10,747	
Lower leg, Ankle	3,155	102	21,039	0	0	165	0	872	33	109	0	0	0	25,475	
Foot, Toes	3,895	129	3,151	0	1,330	28	0	6,575	198	90	0	0	0	15,396	
Other & Unspec	219	0	18,276	0	2,039	130	46	2,609	3	56	0	6,943	0	30,321	37.6%
<b>Unclassified by Site</b>															
<b>Other Unspecified</b>															
Other/Multiple	13	0	0	0	0	0	0	0	0	1	184	0	0	198	0.1%
Unspec Site	466	51	6,549	195	1,774	0	10	8,069	66	721	148	1,566	0	19,615	8.2%
System-wide and Late Effects	0	0	0	0	0	0	0	0	0	0	0	0	5,500	5,500	2.3%
<b>Total</b>	<b>21,328</b>	<b>8,092</b>	<b>109,726</b>	<b>7,886</b>	<b>20,028</b>	<b>575</b>	<b>139</b>	<b>41,005</b>	<b>1,032</b>	<b>2,382</b>	<b>960</b>	<b>21,646</b>	<b>5,500</b>	<b>240,299</b>	<b>100%</b>
<b>% of Total</b>	<b>8.9%</b>	<b>3.4%</b>	<b>45.7%</b>	<b>3.3%</b>	<b>8.3%</b>	<b>0.2%</b>	<b>0.1%</b>	<b>17.1%</b>	<b>0.4%</b>	<b>1.0%</b>	<b>0.4%</b>	<b>9.0%</b>	<b>2.3%</b>	<b>100%</b>	

Source: Defense Medical Surveillance System, 2013; Prepared by Army Institute of Public Health, Injury Prevention Program