

Table 6D.1: Frequency of Acute Injuries by Location and Diagnosis (Barell Matrix), U.S. Army Active Duty Incident Hospitalizations, 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
Head and Neck															
Traumatic Brain Injury (TBI)															
Type 1 TBI	76	0	0	184	0	0	0	0	0	0	0	0	0	260	
Type 2 TBI	23	0	0	155	0	0	0	0	0	0	0	0	0	178	
Type 3 TBI	10	0	0	0	0	0	0	0	0	0	0	0	0	10	
TBI Unspec	0	0	0	0	0	0	0	0	0	0	0	22	0	22	15.2%
Other Head, Face, Neck															
Other head	0	0	0	0	21	0	0	0	0	1	0	0	0	22	
Face	190	0	0	0	26	0	0	0	0	5	0	0	0	221	
Eye	0	0	0	0	9	0	0	6	0	0	0	0	0	15	
Neck	3	0	0	0	10	0	0	0	2	1	0	0	0	16	
Head, Face, Neck Unspec	0	0	0	0	0	0	3	31	1	12	0	6	0	53	10.6%
Spine and Back															
Spinal Cord (SCI)															
Cervical SCI	9	0	0	8	0	0	0	0	0	0	0	0	0	17	
Thoracic/Dorsal SCI	10	0	0	1	0	0	0	0	0	0	0	0	0	11	
Lumbar SCI	3	0	0	1	0	0	0	0	0	0	0	0	0	4	
Sacrum, Coccyx SCI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Spine, Back Unspec SCI	0	0	0	6	0	0	0	0	0	0	0	0	0	6	1.2%
Vertebral Column (VCI)															
Cervical VCI	25	2	17	0	0	0	0	0	0	0	0	0	0	44	
Thoracic/Dorsal VCI	34	0	0	0	0	0	0	0	0	0	0	0	0	34	
Lumbar VCI	46	2	4	0	0	0	0	0	0	0	0	0	0	52	
Sacrum Coccyx VCI	8	0	0	0	0	0	0	0	0	0	0	0	0	8	
Spine, Back Unspec VCI	3	0	0	0	0	0	0	0	0	0	0	0	0	3	4.6%
Torso															
Chest (thorax)	30	0	0	71	5	0	0	5	0	2	0	0	0	113	
Abdomen	0	0	0	67	9	0	3	6	0	1	0	0	0	86	
Pelvis,Urogenital	37	2	7	3	6	0	0	2	1	0	0	0	0	58	
Trunk	2	0	0	0	0	0	0	9	0	0	1	10	0	22	
Back, Buttock	0	0	3	0	2	0	0	6	0	6	0	0	0	17	9.6%
Extremities															
Upper															
Shoulder, Upper Arm	93	35	29	0	14	2	0	2	1	1	0	5	0	182	
Forearm, Elbow	83	6	0	0	26	2	0	0	2	7	0	0	0	126	
Wrist, Hand, Fingers	91	11	6	0	76	6	0	7	8	17	0	4	0	226	
Other & Unspec	1	0	0	0	4	0	7	9	0	1	9	8	0	39	18.5%
Lower															
Hip	27	9	5	0	0	0	0	4	0	0	0	0	0	45	
Upper leg, Thigh	64	0	0	0	0	3	0	6	0	0	0	0	0	73	
Knee	15	37	46	0	0	0	0	2	0	0	0	0	0	100	
Lower leg, Ankle	401	7	24	0	0	7	0	5	0	4	0	0	0	448	
Foot, Toes	100	5	1	0	10	2	0	6	5	0	0	0	0	129	
Other & Unspec	6	0	18	0	77	11	6	6	0	5	0	16	0	145	30.4%
Unclassified by Site															
Other Unspecified															
Other/Multiple	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0.1%
Unspec Site	6	1	5	1	11	0	0	9	0	4	1	60	0	98	3.2%
System-wide and Late Effects	0	0	0	0	0	0	0	0	0	0	0	0	208	208	6.7%
Total	1,396	117	165	497	306	33	19	121	20	67	13	131	208	3093	100%
% of Total	45.1%	3.8%	5.3%	16.1%	9.9%	1.1%	0.6%	3.9%	0.6%	2.2%	0.4%	4.2%	6.7%	100%	

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