

TABLE E-1 Diagnostic Groups Used in Study and Corresponding ICD-10 Codes*

Blocks of ICD Chapter XIX	Diagnostic Group
S52.5: Fracture of the distal end of the radius	Wrist fracture
S52.6: Fracture of lower end of both ulna and radius	
S62: Fracture at wrist and hand level	
S62.0: Scaphoid fracture	
S62.1: Fracture other carpal bones	
S62: Fracture at wrist and hand level (S62.2-S62.8)	Fracture of hand and fingers
S63: Dislocation, sprain, and strain of joints and ligaments at wrist and hand level (S63.0-S63.7)	Dislocation, sprain, strained wrist, hand and/or fingers
S64: Injury of nerves at wrist and hand level (S64.0-S64.9)	Injury of upper extremity nerves
T11.3: Injury of unspecified nerve of upper limb, level unspecified	
S65: Injury of blood vessels at wrist and hand level	Complex soft-tissue injury of the upper extremity
S66: Injury of muscle and tendon at wrist and hand level	
S67: Crushing injury of wrist and hand	
S68: Traumatic amputation of wrist and hand	
S69: Other and unspecified injuries of wrist and hand	
T04.2: Crushing injuries involving multiple regions of upper limb(s)	
T05.0: Traumatic amputation of both hands	
T05.1: Traumatic amputation of one hand and other arm (any level, except hand)	
T11.4: Injury of unspecified blood vessel of upper limb, level unspecified	
T11.5: Injury of unspecified muscle and tendon of upper limb, level unspecified	
T11.6: Traumatic amputation of upper limb, level unspecified	
T11.7: Traumatic amputation of arm, level specified	
T11.8: Other specified injuries of upper limb, level unspecified	
T11.9: Unspecified injury of upper limb, level unspecified	
S60: Superficial injury of wrist and hand (S60.0-S60.9)	Superficial injury of wrist and hand
S61: Open wound of wrist and hand (S61.0-S61.9)	Open wounds

*ICD-10 = International Classification of Diseases, Tenth Revision

TABLE E-2 Health-Care and Productivity Costs of Hand and Wrist Injuries in The Netherlands in 2007

	No. of Cases	Cases (per 100,000)	Health-Care Costs* (millions)	Health-Care Costs per Case*	Productivity Costs* (millions)	Productivity Costs per Case*	Total Costs* (millions)
Hand and finger fractures							
0-19 years	19,000	480	19	1000	8	400	27
20-64 years	28,000	280	44	1600	192	6900	236
≥65 years	4000	170	15	380	–	–	15
Subtotal†	51,000	310	78	1500	200	3900	278
Wrist fractures							
0-19 years	24,000	600	29	1200	4	170	33
20-64 years	13,000	130	25	1900	82	6300	107
≥65 years	10,000	420	60	6000	–	–	60
Subtotal†	47,000	290	114	2400	86	1800	200
Open wounds							
0-19 years	12,000	310	7	600	1	90	8
20-64 years	47,000	470	34	700	31	700	65
≥65 years	3800	160	6	1600	–	–	6
Subtotal†	62,800	390	47	750	32	500	79
Superficial injuries							
0-19 years	32,000	810	18	560	1	30	19
20-64 years	39,000	390	31	800	16	400	47
≥65 years	3900	160	8	2000	–	–	8
Subtotal†	74,900	460	57	750	17	230	74
Complex soft-tissue injuries							
0-19 years	1700	43	3	1800	1	600	4
20-64 years	5700	57	14	2500	50	8800	54
≥65 years	480	20	2	4200	–	–	12
Subtotal†	7880	48	19	2400	51	6500	70
Dislocations, sprains, strains							
0-19 years	4600	120	4	900	1	200	5
20-64 years	7100	70	9	1300	24	3400	33
≥65 years	810	34	1	1200	–	–	1
Subtotal†	12,510	76	14	1100	25	2000	39
Injury of the upper extremity nerves	90‡	0.53‡	–	–	–	–	*
Total	260,000	1575	329	1265	411	1580	740

*The values are given in U.S. dollars. †The values in three columns (Cases, Health-Care Costs per Case, and Productivity Costs per Case) are given as the average. ‡The number of patients was too low for reliable estimation of costs.