

INJURIES

ACCIDENTS ANALYSED: 9142 reported investigated accidents of the Dutch Labour Inspectorate have been analysed. These accidents are distributed across 36 storybuilds (graphical structures in the software StoryBuilder). For 03 Contact with falling objects not cranes, 03 Contact with falling objects - cranes, and 08.1 Contact with moving parts of machine, only accidents between 2002 to 2003 were analysed. The rest of the analysed accidents occurred between 1998 and end February 2004. This information sheet gives top scorers for different body parts and injury types irrespective of outcome of death, permanent injury or recoverable injury (see Consequence Ratios for this information)

Table 1: Most frequent hazard per body part injured

Body part	Hazard	Mean accidents per year
Upper Extremities	08.1 Contact with moving parts of machine	360
Finger(s)	08.1 Contact with moving parts of machine	294
Lower Extremities	03 Contact with falling objects NOT cranes	70
Head	04 Contact with flying/ ejected objects	48
Leg	03 Contact with falling objects NOT cranes	47
Hand	08.1 Contact with moving parts of machine	42
Back	01.1.3 Fall from height - roof/platform/floor	40
Arm, including elbow	08.1 Contact with moving parts of machine	35
Rib cage, ribs including joints and shoulder blades	01.1.3 Fall from height - roof/platform/floor	30
Torso and organs	0.1.1.1 Fall from height ladders	26
Hip and hip joint	0.1.1.1 Fall from height ladders	17
Facial area	12 Contact with electricity	14
Pelvic area	01.1.3 Fall from height - roof/platform/floor	14
Chest area	01.1.3 Fall from height - roof/platform/floor	12
Whole body and multiple sites	0.1.1.1 Fall from height ladders	9
Neck	03 Contact with falling objects NOT cranes	8
eye(s)	04 Contact with flying/ ejected objects	30
ear(s)	27 Explosion	4
Teeth	01.1.3 Fall from height - roof/platform/floor	2

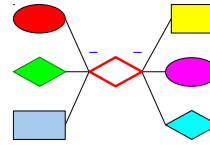
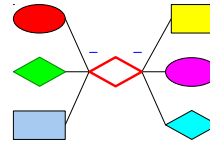


Table 2: Body part most frequently injured per hazard type

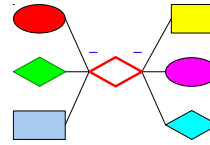
Hazard	Body part	Mean accidents per year
08.1 Contact with moving parts of machine	50 Upper Extremities, not further specified	360
03 Contact with falling objects NOT cranes	60 Lower Extremities, not further specified	70
0.1.1.1 Fall from height ladders	60 Lower Extremities, not further specified	62
02 Struck by moving vehicle	60 Lower Extremities, not further specified	58
04 Contact with flying/ ejected objects	10 Head, not further specified	43
01.1.3 Fall from height - roof/platform/floor	30 Back, including spine and vertebra in the back	40
11 In or on moving vehicle with loss of control	60 Lower Extremities, not further specified	37
01.2 Fall on same level	60 Lower Extremities, not further specified	35
08.3 Trapped between/ against	50 Upper Extremities, not further specified	33
06 Contact with object used/ carried	50 Upper Extremities, not further specified	32
0.1.1.2 Fall from height scaffold	60 Lower Extremities, not further specified	29
03 Contact with falling objects - cranes	60 Lower Extremities, not further specified	23
07 Contact with handheld tools	50 Upper Extremities, not further specified	22
08.2 contact with swinging/hanging objects	50 Upper Extremities, not further specified	16
12 Contact with electricity	53 Hand	15
27 Explosion	10 Head, not further specified	15
15 Loss of Containment from normally closed containment	10 Head, not further specified	15
09 Moving into an object	50 Upper Extremities, not further specified	12
17 Fire	50 Upper Extremities, not further specified	11
01.1.5.3 Fall from height - working on height unprotected	30 Back, including spine and vertebra in the back	11
01.1.5.2 Fall from height - non-moving vehicle	10 Head, not further specified	10
01.3 Fall down stairs or ramp	60 Lower Extremities, not further specified	9
14.1 Loss of Containment from open containment	10 Head, not further specified	9
01.1.5.1 Fall from height - moveable platform	10 Head, not further specified	9
05 Hit by rolling/sliding object and person	60 Lower Extremities, not further specified	8
14.2 Contact with hazardous substance without LOC	40 Torso and organs, not further specified	5
25 Extreme muscular exertion	60 Lower Extremities, not further specified	5
22.1 Contact with hazardous atmosphere in confined space	70 Whole body and multiple sites, not further specified	4



23 Impact by immersion in liquid	70 Whole body and multiple sites, not further specified	4
01.1.4 Fall from height - hole in the ground	62 Leg, including knee	3
20.1 Victim of Human Aggression	10 Head, not further specified	2
20.2 Victim of animal behaviour	10 Head, not further specified	2
22.2 Contact with hazardous atmosphere through breathing apparatus	70 Whole body and multiple sites, not further specified	1
10 Buried by bulk mass	41 Rib cage, ribs including joints and shoulder blades	1
13 Contact with extreme hot or cold surfaces or open flame	53 Hand	1
24 Too rapid (de)compression	10 Head, not further specified	<1

Table 3: Most frequent injury type per hazard type

Hazard	Injury type	Mean accidents per year
08.1 Contact with moving parts of machine	040 Traumatic amputations (Loss of body parts)	221
01.1.3 Fall from height - roof/platform/floor	020 Bone fractures	109
0.1.1.1 Fall from height ladders	020 Bone fractures	107
03 Contact with falling objects NOT cranes	020 Bone fractures	93
02 Struck by moving vehicle	020 Bone fractures	51
0.1.1.2 Fall from height scaffold	020 Bone fractures	48
01.2 Fall on same level	020 Bone fractures	47
11 In or on moving vehicle with loss of control	020 Bone fractures	44
01.1.5.3 Fall from height - working on height unprotected	020 Bone fractures	29
01.1.5.2 Fall from height - non-moving vehicle	020 Bone fractures	24
14.1 Loss of Containment from Open containments	060 Burns, scalds and frostbites	17
15 Loss of Containment from normally closed containments	060 Burns, scalds and frostbites	22
03 Contact with falling objects - cranes	020 Bone fractures	21
12 Contact with electricity	061 Burns and scalds (thermal)	21
07 Contact with handheld tools	010 Wounds and superficial injuries	20
08.3 Trapped between/ against	040 Traumatic amputations (Loss of body parts)	20
01.1.5.1 Fall from height - moveable platform	020 Bone fractures	20
04 Contact with flying/ ejected objects	010 Wounds and superficial injuries	18
06 Contact with object used/ carried	010 Wounds and superficial injuries	18
17 Fire	060 Burns, scalds and frostbites	17



08.2 contact with swinging/hanging objects	020 Bone fractures	15
27 Explosion	060 Burns, scalds and frostbites	12
01.3 Fall down stairs or ramp	020 Bone fractures	11
09 Moving into an object	010 Wounds and superficial injuries	8
05 Hit by rolling/sliding object and person	020 Bone fractures	7
14.2 Contact with hazardous substance without LOC	060 Burns, scalds and frostbites	7
20.1 Victim of Human Aggression	010 Wounds and superficial injuries	4
23 Impact by immersion in liquid	080 Drowning and asphyxiation	4
25 Extreme muscular exertion	020 Bone fractures	3
20.2 Victim of animal behaviour	020 Bone fractures	3
22.1 Contact with hazardous atmosphere in confined space	080 Drowning and asphyxiation	2
01.1.4 Fall from height - hole in the ground	052 Internal injuries and bruises	2
10 Buried by bulk mass	020 Bone fractures	2
13 Contact with extreme hot or cold surfaces or open flame	061 Burns and scalds (thermal)	2
22.2 Contact with hazardous atmosphere through breathing apparatus	080 Drowning and asphyxiation	1
24 Too rapid (de)compression	000 Type of injury unknown or unspecified	0