

## Supplement 1

### Number of athletes participating during the London 2012 and Rio 2016 Summer Paralympic Games by impairment type and sport

SPORT	ALL	BD	LD	NMD	SCI	VI	OTH
All	7222	1165	1243	604	1607	1347	1256
Archery	241	14	39	16	91	0	81
Athletics	1868	416	339	114	285	450	265
Boccia	196	136	2	36	6	0	16
Canoe †	52	3	18	4	21	0	6
Cycling (Road +track)	392	79	94	31	88	77	23
Equestrian	140	55	12	16	35	5	17
Football 5-a-side *	140	0	0	0	0	112	28
Football 7-a-side **	208	208	0	0	0	0	0
Goalball *	211	0	0	0	0	211	0
Judo *	230	0	0	0	0	230	0
Powerlifting	304	10	30	137	58	0	69
Rowing	179	7	24	19	37	26	66
Sailing	146	9	53	7	59	6	12
Shooting	163	6	32	22	83	0	20
Sitting Volleyball	281	2	135	13	6	0	125
Swimming	991	126	216	86	124	220	219
Table Tennis	449	64	33	38	170	0	144
Triathlon †	58	1	31	7	5	10	4
Wheelchair Basketball	430	3	91	36	219	0	81
Wheelchair Fencing	167	19	35	7	76	0	30
Wheelchair Rugby	175	2	14	10	14	0	9
Wheelchair Tennis	200	5	45	5	104	0	41

\*Sport contested mostly by athletes with VI.

\*\*Sport contested only by athletes with BD

† Sport contested only during the RIO 2016 S-PGs.

**Abbreviations:** BD=brain disorder, LD=limb deficiency, NMD=neuromuscular disorder, SCI=spinal cord injuries, VI=visual impairment, OTH=all others.

## Supplement 2

### Injuries sustained by athletes during the London and Rio summer Paralympic Games by sport and impairment type with the highest incidence of injury

<b>Sport and impairment type</b>	<b>Total number of injuries (percentage of total number of injuries)</b>	<b>Number of athletes with an injury</b>	<b>Total number of athletes competing</b>	<b>Total number of athlete days</b>	<b>Proportion of athletes with an injury</b>	<b>Injury incidence: number of injuries/1000 athlete days (95% CI)</b>
<b>ALL</b>	<b>1143 (100%)</b>	<b>980</b>	<b>7222</b>	<b>101 108</b>	<b>13.6</b>	<b>11.1 (10.4-11.9)</b>
<b>Football 5-a-side</b>	44 (3.85%)	35	140	1960	25.0	25.9 (18.1-36.9)
<b>VI</b>	41 (3.59%)	32	112	1568	28.6	26.3 (19.3-35.7)
<b>Wheelchair Fencing</b>	40 (3.50%)	33	167	2338	19.8	17.1 (11.8-24.6)
<b>SCI</b>	22 (1.92%)	17	76	1064	22.4	20.5 (12.0-35.0)
<b>Judo</b>	50 (4.37%)	38	230	3220	16.5	15.5 (11.3-21.3)
<b>VI</b>	50 (4.37%)	38	230	3220	16.5	15.5 (11.3-21.3)
<b>Powerlifting</b>	66 (5.77%)	60	304	4256	19.7	15.4 (12.0-19.7)
<b>NMD</b>	36 (3.15%)	33	137	1918	24.1	18.3 (13.3-25.3)
<b>Wheelchair Rugby</b>	38 (3.32%)	29	175	2450	16.6	15.2 (10.07-23.0)
<b>SCI</b>	32 (2.80%)	23	140	1960	16.4	16.2 (10.2-25.6)
<b>Football 7-a-side</b>	39 (3.41%)	35	208	2912	16.8	13.4 (9.9-18.3)
<b>BD</b>	39 (3.41%)	35	208	2912	16.8	13.4 (9.9-18.3)
<b>Athletics</b>	342 (29.92%)	291	1869	26166	15.6	13.1 (11.6-14.6)
<b>VI</b>	107 (9.36%)	82	450	6300	18.2	17.1 (13.7-21.2)
<b>Wheelchair Basketball</b>	75 (6.56%)	65	430	6020	15.1	12.3 (9.6-15.8)
<b>NMD</b>	9 (0.70%)	8	36	504	22.2	17.5 (8.4-36.4)

<b>Wheelchair Tennis</b>	34 (2.97%)	30	200	2800	15.0	12.3 (8.7-17.5)
<b>OTH</b>	8 (0.70%)	8	41	574	19.5	14.4 (7.9-26.5)
<b>Goalball</b>	36 (3.15%)	30	211	2954	14.2	12.0 (8.4-17.3)
<b>VI</b>	36 (3.15%)	30	211	2954	14.2	12.0 (8.4-17.3)
<b>Triathlon</b>	8 (0.70%)	7	58	812	12.1	11.1 (8.2-15.2)
<b>LD</b>	3 (0.26%)	3	31	434	9.7	7.1 (2.5-20.1)
<b>Table Tennis</b>	67 (5.86%)	58	449	6286	12.9	10.6 (8.07-13.9)
<b>LD</b>	11 (0.96%)	9	33	462	27.3	23.4 (11.5-47.4)
<b>Swimming</b>	111 (9.71%)	94	991	13874	9.5	9.9 (4.8-20.5)
<b>SCI</b>	20 (1.75%)	13	124	1736	10.5	11.6 (6.5-20.6)
<b>Canoe</b>	7(0.61%)	6	52	728	11.5	9.7 (4.4-21.3)
<b>SCI</b>	3 (0.26%)	3	21	294	14.3	10.3 (3.7-29.0)
<b>Archery</b>	31 (2.71%)	28	241	3374	11.6	9.1 (6.4-19.9)
<b>LD</b>	7 (0.61%)	5	39	546	12.8	13.2 (5.6-31.1)
<b>Equestrian</b>	16 (1.40%)	15	140	1960	10.7	8.2 (5.04-13.3)
<b>BD</b>	5 (0.44%)	5	55	770	9.1	6.5 (2.9-14.5)
<b>Sitting Volleyball</b>	44 (3.85%)	39	281	3934	13.9	7.9 (6.4-9.9)
<b>NMD</b>	4 (0.35%)	3	13	182	23.1	21.2 (8.4-53.4)
<b>Cycling (Road +track)</b>	38 (3.32%)	35	392	5488	8.9	6.9 (5.03-9.6)
<b>NMD</b>	5 (0.44%)	5	31	434	16.1	11.9 (5.3-26.9)
<b>Sailing</b>	13 (1.14%)	12	146	2044	8.2	6.4 (3.7-11.06)
<b>SCI</b>	8 (0.70%)	7	59	826	11.9	9.8 (4.8-20.1)
<b>Boccia</b>	17 (1.49%)	15	193	2744	7.6	6.2 (3.8-10.3)
<b>NMD</b>	4 (0.35%)	3	36	504	8.3	7.9 (2.6-24.1)
<b>Shooting</b>	13 (1.14%)	12	163	2282	7.4	5.7 (3.3-10.0)

<b>NMD</b>	2 (0.17%)	2	22	308	9.1	6.8 (1.8-25.8)
<b>Rowing</b>	14 (1.22%)	13	179	2506	7.3	5.6 (3.3-9.5)
<b>LD</b>	3 (0.26%)	2	24	336	8.3	9.4 (2.4-37.3)

Abbreviations: VI= visual impairment, SCI=spinal cord injuries, NMD=neuromuscular disorder, BD=brain disorder, OTH=all others, LD=limb deficiency. impairment