

## Illness and injury among Norwegian Olympic athletes during preparation for five consecutive Summer and Winter Games

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### Supplementary Material

**Supplementary table 1.** Pattern of 1439 injuries distributed among 441 Norwegian Olympic athletes between 2011 and 2020, presented by body region and tissue type. Specific OSIIIS-13 diagnoses are presented if five or more of the same diagnoses were recorded

Region	Injuries	Incidence	Median time loss	Burden
Tissue type	n	Injuries per athlete year [95% CI]	Days (25th, 75th percentile)	Time loss days per athlete year [95% CI]
<i>OSIIIS-13 Diagnosis</i>				
<b>Head</b>	<b>56</b>	<b>0.12 [0.09, 0.15]</b>	<b>3 (1, 7)</b>	<b>0.64 [0.58, 0.72]</b>
Nervous	26	0.05 [0.04, 0.08]	6 (2, 10)	0.40 [0.34, 0.46]
<i>Concussion</i>	25	0.05 [0.03, 0.08]	7 (3, 10)	0.39 [0.34, 0.45]
Bone	6	0.01 [0.01, 0.03]	4 (2, 5)	0.05 [0.04, 0.08]
Superficial tissues/skin	2	0.00 [0, 0.01]	2 (1, 2)	0.01 [0, 0.02]
Vessels	6	0.01 [0.01, 0.03]	2 (1, 6)	0.08 [0.06, 0.11]
<i>Head/facial contusion/haematoma</i>	5	0.01 [0, 0.02]	1 (1, 3)	0.03 [0.01, 0.04]
Internal organs	1	0.00 [0, 0.01]	4 (4, 4)	0.01 [0, 0.02]
Non-specific	15	0.03 [0.02, 0.05]	2 (1, 3)	0.10 [0.07, 0.13]
<b>Neck</b>	<b>47</b>	<b>0.10 [0.07, 0.13]</b>	<b>0 (0, 2)</b>	<b>0.16 [0.13, 0.2]</b>
Muscle/tendon	14	0.03 [0.02, 0.05]	1 (0, 3)	0.05 [0.03, 0.08]
<i>Neck muscle strain</i>	12	0.03 [0.01, 0.04]	1 (0, 3)	0.05 [0.03, 0.07]
Cartilage/synovium/bursa	4	0.01 [0, 0.02]	2 (0, 5)	0.03 [0.02, 0.05]
Ligament/joint capsule	2	0.00 [0, 0.01]	0 (0, 1)	0.00 [0, 0.01]
Non-specific	27	0.06 [0.04, 0.08]	0 (0, 2)	0.08 [0.05, 0.1]
<i>Neck muscle and/or tendon strain/spasm/trigger points</i>	7	0.01 [0.01, 0.03]	0 (0, 1)	0.02 [0.01, 0.04]
<b>Shoulder</b>	<b>113</b>	<b>0.24 [0.2, 0.28]</b>	<b>0 (0, 3)</b>	<b>1.03 [0.95, 1.13]</b>
Muscle/tendon	49	0.10 [0.08, 0.13]	0 (0, 2)	0.24 [0.2, 0.28]
<i>Shoulder contusion/haematoma</i>	5	0.01 [0, 0.02]	1 (0, 2)	0.01 [0.01, 0.03]
<i>Rotator cuff tendon pathology</i>	20	0.04 [0.03, 0.06]	0 (0, 3)	0.10 [0.08, 0.13]
<i>Subacromial impingement</i>	7	0.01 [0.01, 0.03]	0 (0, 0)	0.01 [0, 0.02]
Nervous	2	0.00 [0, 0.01]	6 (5, 6)	0.02 [0.01, 0.04]
Bone	2	0.00 [0, 0.01]	4 (3, 4)	0.01 [0.01, 0.03]
Cartilage/synovium/bursa	9	0.02 [0.01, 0.03]	0 (0, 27)	0.46 [0.4, 0.52]
Ligament/joint capsule	10	0.02 [0.01, 0.04]	6 (4, 12)	0.19 [0.15, 0.23]
Vessels	1	0.00 [0, 0.01]	19 (19, 19)	0.04 [0.02, 0.06]
Non-specific	40	0.08 [0.06, 0.11]	0 (0, 1)	0.08 [0.06, 0.11]
<b>Upper arm</b>	<b>2</b>	<b>0.00 [0, 0.01]</b>	<b>0 (0, 0)</b>	<b>0.00 [0, 0.01]</b>
Muscle/tendon	2	0.00 [0, 0.01]	0 (0, 0)	0.00 [0, 0.01]
<b>Elbow</b>	<b>35</b>	<b>0.07 [0.05, 0.1]</b>	<b>1 (0, 2)</b>	<b>0.41 [0.36, 0.47]</b>
Muscle/tendon	8	0.02 [0.01, 0.03]	0 (0, 2)	0.01 [0.01, 0.03]
<i>Tennis elbow (lateral epicondyle pain)</i>	5	0.01 [0, 0.02]	2 (0, 2)	0.01 [0.01, 0.03]
Bone	2	0.00 [0, 0.01]	2 (1, 4)	0.01 [0, 0.02]
Cartilage/synovium/bursa	2	0.00 [0, 0.01]	2 (2, 3)	0.01 [0, 0.02]
Ligament/joint capsule	11	0.02 [0.01, 0.04]	2 (1, 14)	0.36 [0.31, 0.42]
Superficial tissues/skin	3	0.01 [0, 0.02]	0 (0, 1)	0.00 [0, 0.01]
Vessels	2	0.00 [0, 0.01]	0 (0, 0)	0.00 [0, 0.01]
Non-specific	7	0.01 [0.01, 0.03]	1 (0, 2)	0.01 [0.01, 0.03]
<b>Forearm</b>	<b>17</b>	<b>0.04 [0.02, 0.06]</b>	<b>0 (0, 1)</b>	<b>0.04 [0.03, 0.07]</b>
Muscle/tendon	9	0.02 [0.01, 0.03]	0 (0, 0)	0.02 [0.01, 0.03]

Bone	2	0.00 [0, 0.01]	6 (4, 7)	0.02 [0.01, 0.04]
Non-specific	6	0.01 [0.01, 0.03]	0 (0, 1)	0.00 [0, 0.01]
<b>Wrist</b>	<b>39</b>	<b>0.08 [0.06, 0.11]</b>	<b>0 (0, 2)</b>	<b>0.92 [0.83, 1.01]</b>
Muscle/tendon	8	0.02 [0.01, 0.03]	2 (0, 9)	0.36 [0.31, 0.42]
Bone	1	0.00 [0, 0.01]	0 (0, 0)	0.00 [0, 0.01]
Cartilage/synovium/bursa	2	0.00 [0, 0.01]	76 (38, 114)	0.32 [0.27, 0.37]
Ligament/joint capsule	6	0.01 [0.01, 0.03]	2 (1, 3)	0.20 [0.16, 0.25]
<i>Sprained/jarred wrist joint</i>	6	0.01 [0.01, 0.03]	2 (1, 3)	0.20 [0.16, 0.25]
Superficial tissues/skin	4	0.01 [0, 0.02]	1 (1, 2)	0.01 [0, 0.02]
Vessels	2	0.00 [0, 0.01]	0 (0, 0)	0.00 [0, 0.01]
Non-specific	16	0.03 [0.02, 0.05]	0 (0, 1)	0.03 [0.01, 0.04]
<b>Hand</b>	<b>47</b>	<b>0.10 [0.07, 0.13]</b>	<b>0 (0, 2)</b>	<b>0.36 [0.31, 0.41]</b>
Muscle/tendon	6	0.01 [0.01, 0.03]	0 (0, 2)	0.03 [0.02, 0.05]
<i>Hand muscle bruising/haematoma</i>	5	0.01 [0, 0.02]	0 (0, 0)	0.00 [0, 0.01]
Bone	15	0.03 [0.02, 0.05]	2 (0, 12)	0.26 [0.21, 0.3]
<i>Avulsion fracture phalanx</i>	5	0.01 [0, 0.02]	0 (0, 0)	0.00 [0, 0.01]
Ligament/joint capsule	12	0.03 [0.01, 0.04]	0 (0, 1)	0.03 [0.02, 0.05]
<i>Thumb sprain</i>	5	0.01 [0, 0.02]	0 (0, 0)	0.00 [0, 0.01]
Superficial tissues/skin	3	0.01 [0, 0.02]	0 (0, 2)	0.01 [0, 0.02]
Non-specific	11	0.02 [0.01, 0.04]	0 (0, 2)	0.04 [0.02, 0.06]
<i>Other finger pain</i>	11	0.02 [0.01, 0.04]	0 (0, 2)	0.04 [0.02, 0.06]
<b>Chest</b>	<b>17</b>	<b>0.04 [0.02, 0.06]</b>	<b>2 (1, 9)</b>	<b>0.20 [0.16, 0.24]</b>
Muscle/tendon	5	0.01 [0, 0.02]	2 (1, 6)	0.05 [0.03, 0.07]
Bone	9	0.02 [0.01, 0.03]	1 (1, 6)	0.10 [0.08, 0.14]
<i>Fractured rib(s)</i>	6	0.01 [0.01, 0.03]	1 (0, 2)	0.04 [0.02, 0.06]
Cartilage/synovium/bursa	1	0.00 [0, 0.01]	1 (1, 1)	0.00 [0, 0.01]
Internal organs	1	0.00 [0, 0.01]	9 (9, 9)	0.02 [0.01, 0.03]
Non-specific	1	0.00 [0, 0.01]	11 (11, 11)	0.02 [0.01, 0.04]
<b>Thoracic spine</b>	<b>35</b>	<b>0.07 [0.05, 0.1]</b>	<b>0 (0, 0)</b>	<b>0.04 [0.02, 0.06]</b>
Muscle/tendon	11	0.02 [0.01, 0.04]	0 (0, 0)	0.01 [0.01, 0.03]
<i>Thoracic muscle strain/spasm/trigger points</i>	9	0.02 [0.01, 0.03]	0 (0, 0)	0.01 [0.01, 0.03]
Ligament/joint capsule	3	0.01 [0, 0.02]	0 (0, 0)	0.00 [0, 0.01]
Non-specific	21	0.04 [0.03, 0.07]	0 (0, 1)	0.02 [0.01, 0.04]
<b>Lumbosacral</b>	<b>177</b>	<b>0.37 [0.32, 0.43]</b>	<b>0 (0, 3)</b>	<b>1.60 [1.49, 1.72]</b>
Muscle/tendon	17	0.04 [0.02, 0.06]	1 (0, 4)	0.13 [0.1, 0.17]
<i>Gluteal muscle strain</i>	10	0.02 [0.01, 0.04]	0 (0, 3)	0.07 [0.05, 0.1]
Nervous	2	0.00 [0, 0.01]	0 (0, 0)	0.00 [0, 0.01]
Bone	5	0.01 [0, 0.02]	5 (0, 31)	0.16 [0.12, 0.19]
Cartilage/synovium/bursa	17	0.04 [0.02, 0.06]	2 (0, 11)	0.25 [0.21, 0.3]
<i>Disc degeneration</i>	12	0.03 [0.01, 0.04]	0 (0, 4)	0.08 [0.06, 0.11]
Ligament/joint capsule	3	0.01 [0, 0.02]	3 (2, 6)	0.03 [0.01, 0.04]
Superficial tissues/skin	1	0.00 [0, 0.01]	0 (0, 0)	0.00 [0, 0.01]
Non-specific	132	0.28 [0.23, 0.33]	0 (0, 2)	1.03 [0.95, 1.13]
<b>Abdomen</b>	<b>25</b>	<b>0.05 [0.03, 0.08]</b>	<b>1 (0, 4)</b>	<b>0.20 [0.16, 0.24]</b>
Muscle/tendon	10	0.02 [0.01, 0.04]	2 (0, 6)	0.15 [0.11, 0.18]
Internal organs	5	0.01 [0, 0.02]	1 (1, 5)	0.03 [0.02, 0.05]

<i>Trunk and abdominal injury</i>	5	0.01 [0, 0.02]	1 (1, 5)	0.03 [0.02, 0.05]
Non-specific	10	0.02 [0.01, 0.04]	0 (0, 2)	0.02 [0.01, 0.04]
<b>Hip/groin</b>	<b>114</b>	<b>0.24 [0.2, 0.28]</b>	<b>0 (0, 3)</b>	<b>1.19 [1.1, 1.3]</b>
Muscle/tendon	53	0.11 [0.08, 0.14]	0 (0, 3)	0.29 [0.24, 0.34]
<i>Hip and groin muscle strain/tear</i>	13	0.03 [0.02, 0.05]	0 (0, 1)	0.03 [0.01, 0.04]
<i>Iliopsoas muscle strain/tear</i>	17	0.04 [0.02, 0.06]	1 (0, 3)	0.08 [0.06, 0.11]
<i>contusion/haematoma, hip region</i>	5	0.01 [0, 0.02]	2 (0, 3)	0.02 [0.01, 0.03]
<i>Unspecified or multiple adductor tendon injury</i>	5	0.01 [0, 0.02]	3 (0, 8)	0.10 [0.07, 0.13]
<i>Adductor longus tendon strain</i>	7	0.01 [0.01, 0.03]	2 (0, 8)	0.06 [0.04, 0.09]
Bone	6	0.01 [0.01, 0.03]	46 (13, 69)	0.67 [0.6, 0.74]
Cartilage/synovium/bursa	3	0.01 [0, 0.02]	0 (0, 0)	0.00 [0, 0.01]
Ligament/joint capsule	4	0.01 [0, 0.02]	0 (0, 0)	0.00 [0, 0.01]
Non-specific	48	0.10 [0.07, 0.13]	1 (0, 2)	0.24 [0.2, 0.28]
<b>Thigh</b>	<b>126</b>	<b>0.26 [0.22, 0.31]</b>	<b>1 (0, 3)</b>	<b>0.67 [0.6, 0.75]</b>
Muscle/tendon	90	0.19 [0.15, 0.23]	1 (0, 3)	0.48 [0.42, 0.54]
<i>Hamstring strain/tear</i>	19	0.04 [0.02, 0.06]	1 (0, 4)	0.19 [0.16, 0.23]
<i>Gluteus medius/minimus strain</i>	8	0.02 [0.01, 0.03]	2 (0, 4)	0.04 [0.02, 0.06]
<i>Thigh muscle strain/spasm/trigger points</i>	25	0.05 [0.03, 0.08]	0 (0, 1)	0.09 [0.07, 0.12]
<i>Contusion/haematoma of thigh</i>	8	0.02 [0.01, 0.03]	1 (1, 2)	0.03 [0.02, 0.05]
<i>Gluteus med/min tendinopathy</i>	5	0.01 [0, 0.02]	1 (1, 3)	0.03 [0.02, 0.05]
Bone	2	0.00 [0, 0.01]	7 (7, 7)	0.03 [0.02, 0.05]
Superficial tissues/skin	1	0.00 [0, 0.01]	5 (5, 5)	0.01 [0, 0.02]
Non-specific	33	0.07 [0.05, 0.1]	1 (0, 2)	0.15 [0.12, 0.19]
<b>Knee</b>	<b>262</b>	<b>0.55 [0.48, 0.62]</b>	<b>1 (0, 5)</b>	<b>12.37 [12.06, 12.69]</b>
Muscle/tendon	61	0.13 [0.1, 0.16]	1 (0, 3)	1.08 [0.99, 1.18]
<i>Quadriceps tendinopathy +/- suprapatellar bursitis</i>	8	0.02 [0.01, 0.03]	1 (0, 1)	0.02 [0.01, 0.04]
<i>Patellar tendinopathy</i>	32	0.07 [0.05, 0.09]	2 (0, 6)	0.93 [0.85, 1.02]
<i>Iliotibial band syndrome</i>	13	0.03 [0.02, 0.05]	1 (0, 1)	0.12 [0.09, 0.15]
Bone	5	0.01 [0, 0.02]	1 (1, 2)	0.02 [0.01, 0.03]
Cartilage/synovium/bursa	58	0.12 [0.09, 0.16]	1 (0, 4)	0.79 [0.71, 0.87]
<i>Medial meniscal tear</i>	8	0.02 [0.01, 0.03]	2 (1, 5)	0.27 [0.22, 0.32]
<i>Patellofemoral joint chondral pain</i>	25	0.05 [0.03, 0.08]	0 (0, 2)	0.11 [0.09, 0.15]
<i>Infrapatella fat pad contusion/haematoma +/- bursitis</i>	7	0.01 [0.01, 0.03]	0 (0, 21)	0.20 [0.16, 0.24]
Ligament/joint capsule	51	0.11 [0.08, 0.14]	16 (1, 266)	10.13 [9.85, 10.42]
<i>ACL rupture</i>	16	0.03 [0.02, 0.05]	266 (266, 266)	8.86 [8.6, 9.13]
<i>Grade 1 MCL tear knee</i>	16	0.03 [0.02, 0.05]	1 (0, 6)	0.18 [0.14, 0.22]
<i>Grade 2 MCL tear knee</i>	7	0.01 [0.01, 0.03]	31 (8, 52)	0.45 [0.39, 0.51]
Vessels	14	0.03 [0.02, 0.05]	1 (0, 4)	0.09 [0.06, 0.12]
<i>Knee contusion/haematoma (extraarticular)</i>	14	0.03 [0.02, 0.05]	1 (0, 4)	0.09 [0.06, 0.12]
Non-specific	73	0.15 [0.12, 0.19]	0 (0, 1)	0.26 [0.22, 0.31]
<b>Lower leg</b>	<b>93</b>	<b>0.19 [0.16, 0.24]</b>	<b>1 (0, 3)</b>	<b>0.83 [0.75, 0.92]</b>
Muscle/tendon	65	0.14 [0.11, 0.17]	1 (0, 3)	0.39 [0.33, 0.45]
<i>Gastrocnemius muscle injury/strain</i>	9	0.02 [0.01, 0.03]	2 (1, 2)	0.05 [0.03, 0.07]
<i>Lower leg muscle Injury</i>	8	0.02 [0.01, 0.03]	2 (1, 3)	0.03 [0.02, 0.05]

<i>Tenoperiostitis of lower leg</i>	8	0.02 [0.01, 0.03]	2 (0, 4)	0.05 [0.04, 0.08]
<i>Medial tibial stress syndrome</i>	5	0.01 [0, 0.02]	0 (0, 0)	0.00 [0, 0.01]
<i>Achilles tendinopathy</i>	22	0.05 [0.03, 0.07]	0 (0, 3)	0.12 [0.09, 0.15]
Bone	3	0.01 [0, 0.02]	12 (8, 78)	0.33 [0.28, 0.39]
Cartilage/synovium/bursa	1	0.00 [0, 0.01]	2 (2, 2)	0.00 [0, 0.01]
Superficial tissues/skin	2	0.00 [0, 0.01]	10 (6, 14)	0.04 [0.03, 0.06]
Non-specific	22	0.05 [0.03, 0.07]	0 (0, 2)	0.07 [0.05, 0.09]
<b>Ankle</b>	<b>93</b>	<b>0.19 [0.16, 0.24]</b>	<b>1 (0, 3)</b>	<b>0.92 [0.84, 1.01]</b>
Muscle/tendon	6	0.01 [0.01, 0.03]	2 (1, 3)	0.04 [0.02, 0.06]
Bone	1	0.00 [0, 0.01]	26 (26, 26)	0.05 [0.04, 0.08]
Cartilage/synovium/bursa	7	0.01 [0.01, 0.03]	1 (0, 26)	0.23 [0.19, 0.27]
<i>Ankle synovitis/impingement/bursitis</i>	5	0.01 [0, 0.02]	0 (0, 1)	0.01 [0, 0.02]
Ligament/joint capsule	39	0.08 [0.06, 0.11]	1 (0, 4)	0.32 [0.27, 0.37]
<i>Sprain lateral collateral ligament ankle</i>	6	0.01 [0.01, 0.03]	0 (0, 1)	0.01 [0, 0.02]
<i>Lateral ligaments rupture (grade 3 injury)</i>	14	0.03 [0.02, 0.05]	2 (0, 6)	0.19 [0.16, 0.24]
<i>Anterior talofibular ligament sprain</i>	11	0.02 [0.01, 0.04]	1 (0, 2)	0.05 [0.03, 0.07]
Superficial tissues/skin	2	0.00 [0, 0.01]	2 (1, 2)	0.01 [0, 0.02]
Vessels	7	0.01 [0.01, 0.03]	3 (1, 3)	0.03 [0.02, 0.05]
<i>Ankle contusion/haematoma</i>	7	0.01 [0.01, 0.03]	3 (1, 3)	0.03 [0.02, 0.05]
Non-specific	31	0.06 [0.04, 0.09]	0 (0, 2)	0.24 [0.2, 0.29]
<b>Foot</b>	<b>101</b>	<b>0.21 [0.17, 0.25]</b>	<b>1 (0, 4)</b>	<b>0.87 [0.79, 0.96]</b>
Muscle/tendon	14	0.03 [0.02, 0.05]	1 (0, 2)	0.06 [0.04, 0.09]
<i>Plantar heel pain (fasciitis/strain/calcaneal spur)</i>	7	0.01 [0.01, 0.03]	0 (0, 4)	0.04 [0.02, 0.06]
Nervous	1	0.00 [0, 0.01]	0 (0, 0)	0.00 [0, 0.01]
Bone	10	0.02 [0.01, 0.04]	6 (1, 26)	0.35 [0.3, 0.41]
Cartilage/synovium/bursa	3	0.01 [0, 0.02]	10 (8, 20)	0.10 [0.07, 0.13]
Ligament/joint capsule	4	0.01 [0, 0.02]	2 (1, 2)	0.01 [0.01, 0.03]
Superficial tissues/skin	2	0.00 [0, 0.01]	1 (0, 2)	0.00 [0, 0.01]
Vessels	13	0.03 [0.02, 0.05]	1 (0, 2)	0.05 [0.03, 0.07]
<i>Heel bruising/haematoma incl. fat pad contusion</i>	5	0.01 [0, 0.02]	3 (0, 4)	0.04 [0.02, 0.06]
<i>Foot contusion/haematoma</i>	7	0.01 [0.01, 0.03]	1 (0, 1)	0.01 [0, 0.02]
Non-specific	54	0.11 [0.09, 0.15]	1 (0, 4)	0.30 [0.25, 0.35]
<b>Region unspecified</b>	<b>3</b>	<b>0.01 [0, 0.02]</b>	<b>0 (0, 2)</b>	<b>0.01 [0, 0.02]</b>
Muscle/tendon	3	0.01 [0, 0.02]	0 (0, 2)	0.01 [0, 0.02]

OSIICS = Orchard Sports Injury and Illness Classification System; CI = Confidence interval

**Supplementary table 2.** Pattern of 1371 illnesses distributed among 381 Norwegian Olympic athletes between 2011 and 2020, presented by organ system and aetiology. Specific OSICS-13 diagnoses are presented if five or more of the same diagnoses were recorded

Organ system	Illnesses	Incidence	Median time loss	Burden
Aetiology	n	Illnesses per athlete year [95% CI]	Days (25th, 75th percentile)	Time loss days per athlete year [95% CI]
<i>OSICS-13 Diagnosis</i>				
<b>Cardiovascular</b>	<b>9</b>	<b>0.02 [0.01, 0.03]</b>	<b>3 (1, 7)</b>	<b>0.13 [0.1, 0.17]</b>
Thrombotic/haemorrhagic	1	0.00 [0, 0.01]	3 (3, 3)	0.01 [0, 0.02]
Degenerative or chronic condition	2	0.00 [0, 0.01]	5 (4, 6)	0.02 [0.01, 0.04]
Unknown, or not specified	6	0.01 [0.01, 0.03]	2 (0, 6)	0.11 [0.08, 0.14]
<b>Dermatological</b>	<b>16</b>	<b>0.03 [0.02, 0.05]</b>	<b>2 (0, 3)</b>	<b>0.07 [0.05, 0.09]</b>
Immunological/inflammatory	2	0.00 [0, 0.01]	0 (0, 0)	0.00 [0, 0.01]
Infection	6	0.01 [0.01, 0.03]	4 (2, 5)	0.04 [0.03, 0.06]
Neoplasm	1	0.00 [0, 0.01]	1 (1, 1)	0.00 [0, 0.01]
Unknown, or not specified	7	0.01 [0.01, 0.03]	2 (0, 2)	0.02 [0.01, 0.04]
<b>Endocrinological</b>	<b>13</b>	<b>0.03 [0.02, 0.05]</b>	<b>1 (0, 3)</b>	<b>0.21 [0.17, 0.25]</b>
Immunological/inflammatory	13	0.03 [0.02, 0.05]	1 (0, 3)	0.21 [0.17, 0.25]
<i>Chronic fatigue syndrome</i>	11	0.02 [0.01, 0.04]	1 (0, 4)	0.21 [0.17, 0.25]
<b>Gastrointestinal</b>	<b>148</b>	<b>0.31 [0.26, 0.36]</b>	<b>2 (1, 3)</b>	<b>0.83 [0.76, 0.92]</b>
Immunological/inflammatory	4	0.01 [0, 0.02]	3 (2, 5)	0.03 [0.02, 0.05]
Infection	68	0.14 [0.11, 0.18]	2 (1, 4)	0.53 [0.46, 0.59]
<i>Gastrointestinal infection</i>	66	0.14 [0.11, 0.17]	2 (1, 4)	0.39 [0.34, 0.45]
Multiple	76	0.16 [0.13, 0.2]	1 (0, 2)	0.28 [0.24, 0.33]
<i>Gastrointestinal illness</i>	59	0.12 [0.09, 0.16]	1 (0, 2)	0.20 [0.16, 0.24]
<i>Diarrhoea</i>	17	0.04 [0.02, 0.06]	2 (1, 3)	0.09 [0.06, 0.11]
<b>Genitourinary</b>	<b>3</b>	<b>0.01 [0, 0.02]</b>	<b>2 (2, 13)</b>	<b>0.06 [0.04, 0.08]</b>
Immunological/inflammatory	1	0.00 [0, 0.01]	2 (2, 2)	0.00 [0, 0.01]
Infection	2	0.00 [0, 0.01]	12 (7, 18)	0.05 [0.03, 0.08]
<b>Musculoskeletal</b>	<b>3</b>	<b>0.01 [0, 0.02]</b>	<b>0 (0, 1)</b>	<b>0.00 [0, 0.01]</b>
Immunological/inflammatory	2	0.00 [0, 0.01]	0 (0, 0)	0.00 [0, 0.01]
Unknown, or not specified	1	0.00 [0, 0.01]	2 (2, 2)	0.00 [0, 0.01]
<b>Neurological</b>	<b>39</b>	<b>0.08 [0.06, 0.11]</b>	<b>1 (1, 2)</b>	<b>0.16 [0.13, 0.2]</b>
Immunological/inflammatory	6	0.01 [0.01, 0.03]	0 (0, 2)	0.01 [0.01, 0.03]
<i>Migraine</i>	6	0.01 [0.01, 0.03]	0 (0, 2)	0.01 [0.01, 0.03]
Developmental anomaly	1	0.00 [0, 0.01]	3 (3, 3)	0.01 [0, 0.02]
Unknown, or not specified	32	0.07 [0.05, 0.09]	1 (1, 2)	0.14 [0.11, 0.18]
<b>Ophthalmological</b>	<b>5</b>	<b>0.01 [0, 0.02]</b>	<b>0 (0, 0)</b>	<b>0.00 [0, 0.01]</b>
Unknown, or not specified	5	0.01 [0, 0.02]	0 (0, 0)	0.00 [0, 0.01]
<b>Otological</b>	<b>2</b>	<b>0.00 [0, 0.01]</b>	<b>2 (1, 4)</b>	<b>0.01 [0, 0.02]</b>
Infection	2	0.00 [0, 0.01]	2 (1, 4)	0.01 [0, 0.02]
<b>Psychiatric/psychological</b>	<b>15</b>	<b>0.03 [0.02, 0.05]</b>	<b>1 (1, 4)</b>	<b>0.18 [0.15, 0.22]</b>
Environmental – non-exercise	3	0.01 [0, 0.02]	6 (4, 6)	0.03 [0.02, 0.05]
Multiple	10	0.02 [0.01, 0.04]	2 (1, 4)	0.15 [0.12, 0.19]
<i>Depression</i>	8	0.02 [0.01, 0.03]	1 (1, 2)	0.14 [0.11, 0.17]
Unknown, or not specified	2	0.00 [0, 0.01]	1 (1, 1)	0.00 [0, 0.01]

<b>Respiratory</b>	<b>914</b>	<b>1.91 [1.78, 2.03]</b>	<b>2 (0, 4)</b>	<b>5.76 [5.54, 5.97]</b>
Allergic	13	0.03 [0.02, 0.05]	0 (0, 2)	0.03 [0.01, 0.04]
<i>Allergy - rhinitis/sinusitis/hayfever</i>	9	0.02 [0.01, 0.03]	0 (0, 2)	0.01 [0.01, 0.03]
Environmental – exercise-related	4	0.01 [0, 0.02]	2 (2, 4)	0.02 [0.01, 0.04]
Infection	889	1.85 [1.73, 1.98]	2 (0, 4)	5.67 [5.46, 5.89]
<i>Respiratory infection</i>	876	1.83 [1.71, 1.95]	2 (0, 4)	5.60 [5.39, 5.81]
<i>Pneumonia/bronchitis/lower RTI</i>	11	0.02 [0.01, 0.04]	3 (0, 4)	0.06 [0.04, 0.09]
Multiple	5	0.01 [0, 0.02]	2 (2, 2)	0.02 [0.01, 0.03]
<i>Respiratory disease</i>	5	0.01 [0, 0.02]	2 (2, 2)	0.02 [0.01, 0.03]
Unknown, or not specified	3	0.01 [0, 0.02]	3 (2, 3)	0.02 [0.01, 0.03]
<b>Multiple systems</b>	<b>138</b>	<b>0.29 [0.24, 0.34]</b>	<b>2 (0, 4)</b>	<b>1.20 [1.11, 1.3]</b>
Environmental – non-exercise	1	0.00 [0, 0.01]	3 (3, 3)	0.01 [0, 0.02]
Infection	113	0.24 [0.2, 0.28]	3 (0, 5)	1.09 [1, 1.19]
<i>Glandular fever</i>	9	0.02 [0.01, 0.03]	4 (2, 40)	0.39 [0.33, 0.45]
<i>Virus proven by serology</i>	67	0.14 [0.11, 0.18]	3 (0, 4)	0.41 [0.35, 0.47]
<i>Infection, other</i>	37	0.08 [0.06, 0.11]	2 (0, 4)	0.30 [0.25, 0.35]
Metabolic/nutritional	24	0.05 [0.03, 0.07]	1 (0, 3)	0.10 [0.08, 0.13]
<i>Tired athlete undiagnosed</i>	22	0.05 [0.03, 0.07]	1 (0, 3)	0.10 [0.08, 0.13]
<b>Unknown or not specified</b>	<b>10</b>	<b>0.02 [0.01, 0.04]</b>	<b>0 (0, 2)</b>	<b>0.04 [0.02, 0.06]</b>
Multiple	10	0.02 [0.01, 0.04]	0 (0, 2)	0.04 [0.02, 0.06]
<i>Medical illness undiagnosed/other</i>	10	0.02 [0.01, 0.04]	0 (0, 2)	0.04 [0.02, 0.06]

OSIICS = Orchard Sports Injury and Illness Classification System; CI = Confidence interval