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Biostatistics/epidemiology	General Principles	2-8%
Basic Science Principles 1-3%	•	0-2%
Spine 3-9%	Legal/ethical	1-3%
Cervical	Basic Science Principles	1-3%
Thoracolumbar	Spine	3-9%
Nonspecific site 0-2%	Cervical	1-3%
Upper Extremities	Thoracolumbar	2-4%
Clavicle/AC/SC joint 1-3% Scapula 0-2% Shoulder joint 4-12% Humerus 2-8% 1-9% Radius/ulna (fracture) 2-14% Wrist joint 0-8% Hand 0-6%	Nonspecific site	0-2%
Clavicle/AC/SC joint 1-3% Scapula 0-2% Shoulder joint 4-12% Shoulder joint 4-12% Humerus 2-8% Elbow joint 1-9% Radius/ulna (fracture) 2-14% Wrist joint 0-8% Hand 0-6%	Upper Extremities	11-64%
Shoulder joint	Clavicle/AC/SC joint	1-3%
Humerus 1-9% Radius/ulna (fracture) 2-14% Wrist joint 0-8% Hand 0-6%	Scapula	0-2%
Elbow joint 1-9% Radius/ulna (fracture) 2-14% Wrist joint 0-8% Hand 0-6%	Shoulder joint	4-12%
Radius/ulna (fracture) 2-14% Wrist joint 0-8% Hand 0-6% Lower Extremities 15-66% Hip joint 3-11% Femur fractures 2-9% Knee joint 5-17% Pediatric knee injuries (bony and ligamentous) 0-2% Tibia/fibula fractures 1-7% Ankle joint 3-11% Foot 1-9% Multiple Sites 1-13% Multiple Sites 1-13% Multiple trauma 0-2% Compartment syndrome 0-2% Complications following surgical procedures 1-3% Medical aspects of sports medicine 0-2% Inflammatory disease 0-2% Metabolic bone disease/osteoporosis 0-2% Outcome Management 2-4% Infection and medical optimization 2-4% Neoplasms 0-6% Benign 0-2%	Humerus	2-8%
Wrist joint Hand 0-8% Hand 0-6% Lower Extremities Hip joint Femur fractures Knee joint Pediatric knee injuries (bony and ligamentous) Tibia/fibula fractures Ankle joint Foot 1-7% Ankle joint Foot 1-9% Multiple Sites Multiple Sites Multiple trauma Compartment syndrome Complications following surgical procedures Medical aspects of sports medicine Inflammatory disease Metabolic bone disease/osteoporosis Outcome Management Infection and medical optimization Neoplasms Benign 0-6% Benign		1-9%
Hand Lower Extremities Hip joint Femur fractures Knee joint Pediatric knee injuries (bony and ligamentous) Tibia/fibula fractures Ankle joint Foot Multiple Sites Multiple Sites Multiple sites Multiple sites Compartment syndrome Complications following surgical procedures Medical aspects of sports medicine Inflammatory disease Metabolic bone disease/osteoporosis Outcome Management Infection and medical optimization Neoplasms Benign 0-6% Benign	Radius/ulna (fracture)	2-14%
Lower Extremities Hip joint Femur fractures 2-9% Knee joint Pediatric knee injuries (bony and ligamentous) Tibia/fibula fractures Ankle joint Foot 3-11% Foot 1-7% Ankle joint Foot 1-9% Multiple Sites 1-13% Multiple Sites 0-2% Compartment syndrome Compartment syndrome Complications following surgical procedures Medical aspects of sports medicine Inflammatory disease Metabolic bone disease/osteoporosis 0-2% Outcome Management Infection and medical optimization Neoplasms Benign 0-6% Benign		
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Femur fractures 2-9%	Lower Extremities	15-66%
Knee joint Pediatric knee injuries (bony and ligamentous) Tibia/fibula fractures 1-7% Ankle joint Foot 1-9% Multiple Sites 1-13% Multiple trauma 0-2% Compartment syndrome 0-2% Complications following surgical procedures Medical aspects of sports medicine 1-3% Medical aspects of sports medicine 1-2% Inflammatory disease Metabolic bone disease/osteoporosis Outcome Management Infection and medical optimization Neoplasms Benign 0-6% Neoplasms Benign	Hip joint	3-11%
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Tibia/fibula fractures Ankle joint Foot 3-11% Foot 1-9% Multiple Sites Multiple trauma Compartment syndrome Complications following surgical procedures Medical aspects of sports medicine Inflammatory disease Metabolic bone disease/osteoporosis Outcome Management Infection and medical optimization Neoplasms Benign 1-7% 3-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11% 5-11%	Knee joint	5-17%
Ankle joint Foot Foot 1-9% Multiple Sites Multiple trauma Compartment syndrome Complications following surgical procedures Medical aspects of sports medicine Inflammatory disease Metabolic bone disease/osteoporosis Outcome Management Infection and medical optimization Neoplasms Benign 3-11% 3-11% 1-9% 1-13% 1-13% 0-2% 0-2% 0-2% 0-2% 0-2% 0-2% 0-2% 0-2	Pediatric knee injuries (bony and ligamentous)	0-2%
Foot 1-9% Multiple Sites 1-13% Multiple trauma 0-2% Compartment syndrome 0-2% Complications following surgical procedures 1-3% Medical aspects of sports medicine 0-2% Inflammatory disease 0-2% Metabolic bone disease/osteoporosis 0-2% Outcome Management 1-9% Infection and medical optimization 2-4% Neoplasms 0-6% Benign 0-2%	Tibia/fibula fractures	1-7%
Multiple Sites1-13%Multiple trauma0-2%Compartment syndrome0-2%Complications following surgical procedures1-3%Medical aspects of sports medicine0-2%Inflammatory disease0-2%Metabolic bone disease/osteoporosis0-2%Outcome Management2-4%Infection and medical optimization2-4%Neoplasms0-6%Benign0-2%		
Multiple trauma Compartment syndrome Complications following surgical procedures Medical aspects of sports medicine Inflammatory disease Metabolic bone disease/osteoporosis Outcome Management Infection and medical optimization Neoplasms Benign 0-2% 0-2% 0-2% 0-2% 0-2% 0-2% 0-2% 0-2%	Foot	1-9%
Compartment syndrome Complications following surgical procedures Medical aspects of sports medicine Inflammatory disease Metabolic bone disease/osteoporosis Outcome Management Infection and medical optimization Neoplasms Benign O-2%	Multiple Sites	1-13%
Complications following surgical procedures Medical aspects of sports medicine Inflammatory disease O-2% Metabolic bone disease/osteoporosis Outcome Management Infection and medical optimization Neoplasms Benign 1-3% 0-2% 0-2% 0-2% 0-2% 0-2% 0-2% 0-2% 0-2	Multiple trauma	0-2%
Medical aspects of sports medicine0-2%Inflammatory disease0-2%Metabolic bone disease/osteoporosis0-2%Outcome Management2-4%Infection and medical optimization2-4%Neoplasms0-6%Benign0-2%	Compartment syndrome	0-2%
Inflammatory disease Metabolic bone disease/osteoporosis Outcome Management Infection and medical optimization Neoplasms Benign 0-2% 0-2% 0-2%	. , , , , , , , , , , , , , , , , , , ,	1-3%
Metabolic bone disease/osteoporosis0-2%Outcome Management Infection and medical optimization2-4%Neoplasms Benign0-6% 0-2%		0-2%
Outcome Management Infection and medical optimization Neoplasms Benign O-6% 0-2%		
Infection and medical optimization Neoplasms Benign 0-6% 0-2%	Metabolic bone disease/osteoporosis	0-2%
Infection and medical optimization 2-4% Neoplasms Benign 0-6% 0-2%	Outcome Management	2-4%
Benign 0-2%	Infection and medical optimization	2-4%
Benign 0-2%	Neoplasms	0-6%
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General Principles	2-8%
Biostatistics/epidemiology	0-2%
Interpretation of epidemiologic information	
Study design and interpretation	
 Hypothesis testing and statistical interference 	
Legal/ethical	1-3%
Basic Science Principles	1-3%

- · Biology
- Biomechanics

Spine	3-9%
Cervical	1-3%
Fracture/dislocations/instability	
Herniated nucleus pulposus	
· Arthritis	
Thoracolumbar	2-4%
Fracture/dislocations/instability	
Herniated nucleus pulposus	
· Arthritis	
Nonspecific site	0-2%
· Infection	

- Scoliosis not otherwise classified

Upper Extremities	11-64%
Clavicle/AC/SC joint	1-3%
Scapula	0-2%
Shoulder joint	4-12%
Dislocations/Instability	1-3%
· Arthritis	1-3%
Muscle/tendon/ adhesive capsulitis	2-4%
· Osteonecrosis, nerve injury/compression, infection	0-2%
Humerus (fracture)	2-8%
· Proximal	1-3%
· Shaft	0-2%
• Distal	
• Pediatric	1-2%
· Adult	0-1%
Elbow joint	1-9%
Dislocations/Instability	0-2%
· Arthritis	0-2%
 Muscle/tendon/ligament/tendinitis 	1-3%
· Osteochondritis, nerve injury/compression	0-2%
Radius/ulna (fracture)	2-14%
· Proximal	
• Pediatric	0-2%
· Adult	0-2%
· Shaft	
• Pediatric	1-3%
· Adult	0-2%
· Distal	
• Pediatric	0-2%
· Adult	1-3%

Wrist joint	0-8%
· Dislocations/Instability/fracture	0-2%
· Arthritis	0-2%
· Tendon/muscle	0-2%
Nerve compression/injury	0-2%
Hand	0-6%
• Dislocations/Instability/fracture	0-2%
· Arthritis	0-2%
Tendon/muscle/nerve compression/injury	0-2%
· Other (human bite, Dupuytren's, nail bed injuries, amputations, infection)	1-2%

Lower Extremities	15-66%
Hip joint	3-11%
Dislocations/Fracture (pelvis, acetabular)	0-2%
Arthritis/osteonecrosis	2-4%
· Other (bursitis, FAI, labrum, tendon/tear)	0-2%
· Pediatric hip (Infection, SCFE, DDH, Perthes)	1-3%
Femur fractures	2-9%
Proximal (neck, peritrochanteric, subtrochanteric)	2-3%
• Shaft	0-2%
• Distal	0-2%
· Periprosthetic	0-2%
Knee joint	5-17%
Instability/ligamentous injury	1-3%
• Dislocations	0-2%
· Arthritis/osteonecrosis	3-5%
· Tendon/muscle	0-2%
· Cartilage/meniscal	0-2%
Patellofemoral (dislocations/instability/fracture)	1-3%
Pediatric knee injuries (bony and ligamentous)	0-2%
Tibia/fibula fractures	1-7%
· Proximal	1-3%
Shaft (includes stress)	0-2%
• Distal	0-2%
Ankle joint	3-11%
Fractures/dislocations (malleolar, pilon)	2-4%
Instability/sprains	0-2%
Arthritis/OCD	0-2%
· Tendon/muscle	1-3%

(continued)

Foot	1-9%
 Hindfoot/midfoot/forefoot fracture/dislocations 	1-3%
Neuropathic foot (inc diabetes and infection)	0-2%
 Forefoot pathology (eg, hallux valgus, hallux rigidus, hammertoe, Morton's neuroma)" 	0-2%
Other/multiple sites (eg, puncture wounds, plantar fasciitis)	0-2%

Multiple Sites	1-13%
Multiple trauma (Blood loss, pneumothorax)	0-2%
Compartment syndrome (upper and lower, exertional)	0-2%
Complications following surgical procedures (includes deep vein thrombosis, PE, fat emboli)	1-3%
Medical aspects of sports medicine (including concussion, asthma, sudden cardiac death, environmental exposure)	0-2%
Inflammatory disease (including Lyme, gout, septic arthritis, JRA)	0-2%
Metabolic bone disease/osteoporosis	0-2%

Outcome Management	2-4%
Infection and medical optimization, including nutrition, smoking cessation, glucose management/diabetes, weight loss, MRSA screening, multimodal/opioid pain management, prehabilitation, inflammatory arthritis evaluation and management	2-4%

Neoplasms	0-6%
Benign	0-2%
Malignant	0-4%
· Primary	0-2%
Metastatic	0-2%