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Athlete demographics:

Description	type	code	Options	Years Collected
Injured Player ID Code (Unique to each player) *not distributed	Open Text	Q2		2005/06-present
Injured Athletes Year in School	Categorical	Q3	1. FR 2. SO 3. JR 4. SR	2005/06-present
Age of Athlete	Continuous	Q4		2005/06-present
Athletes Height (inches)	Continuous	Q5		2005/06-present
Injured Athletes Weight	Continuous	Q6		2005/06-present
Sex of athlete	Categorical	Q500	1. Male 2. female	2009/10-present
Sport Athlete was participating in	Categorical, open text	Q8	1. Boys football 2. Boys soccer 3. Girls soccer 4. Girls volleyball 5. Boys basketball 6. Girls basketball 7. Boys wrestling 8. Boys baseball 9. Girls softball	2005/06-present
			10. Girls field hockey 11. Girls gymnastics 12. Boys Ice Hockey 13. Boys Lacrosse 14. Girls Lacrosse 15. Boys Swimming/Diving 16. Girls Swimming/Diving 17. Boys track and field 18. Girls track and field	2008/09-present  Gymnastics: 2008/09-2011/12
			19. Boys volleyball	2009/10-2011/12
			20. Cheerleading 21. Other, describe If other, please describe	2009/10-present
			22. Boys cross country 23. Girls cross country	2012/13-present
			24. Boys Tennis 25. Girls Tennis	2014/15-present
Describe other sport	Open Text	Q8A		2009/10-present
Has the athlete played the same sport outside of the school setting in the past year	Categorical	Q267	1. Yes 2. No 3. Unknown	2008/09-present

Was the athlete currently playing the same sport outside of the school setting	Categorical	Q501	1. Yes 2. No 3. unknown	2009/10-present
Has the athlete sustained a time loss injury when playing this sport outside the school setting in the past year	Categorical	Q268	1. Yes 2. No 3. unknown	2008/09-present
How many months of the year outside the high school sanctioned season does the athlete play this sport	Categorical	Q600	1. 1 2. 2 3. 3 4. 4 5. 5 6. 6 7. 7 8. 8 9. 9 10. 10 11. 11 12. 12	2013/14-present

#### Injury Information:

Description	type	code	Options	Years Collected
Principal Body Part Injured	Categorical/ Dichotomous, (check all that apply)	Q18	1. head/face 2. eye(s)	2005/06-present
	Dichotomous, check all that apply	Q502A	Corneal abrasion	2009/10-present (502A-502H)
		Q502B	Laceration of the cornea/sclera	
		Q502C	Periorbital contusion	
		Q502D	Ruptured globe(eyeball)	
		Q502E	Retinal detachment	
		Q502F	Laceration of the eyebrow/eyelid	
		Q502G	Legal blindness	
		Q502H	Enucleation (removal of eye ball)	
	Categorical		3. ear(s)	2005/06-present
			4. nose	
			5. mouth	
			6. teeth	
			7. neck/cervical spine	
			8. shoulder	
			9. upper arm	
			10. elbow	
			11. forearm	



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			12. wrist 13. hand/finger 14. chest/t-spine/ribs 15. abdomen 16. lower back/l-spine/pelvis 17. hip 18. thigh/upper leg 19. knee(check all that apply)	
	Dichotomous, check all that apply	Q18B Q18C Q18D Q18E Q18F Q18G Q18N	Lateral Collateral Ligament Medial Collateral Ligament Anterior Cruciate Ligament Posterior Cruciate Ligament Torn Cartilage Patella and/or patellar tendon Other, describe	2007/08-present
	Categorical		20. lower leg 21. ankle(check all that apply)	
	Dichotomous, check all that apply	Q18H Q18I Q18J Q18K Q18L Q18q	Anterior talofibular ligament Anterior tibiofibular ligament Posterior talofibular ligament Posterior tibiofibular ligament Calcaneofibular ligament Other, please describe	2007/08-present
	Categorical		22. foot/toe 23. Other 24. Mouth/teeth 25. Clavicle/collar bone 26. Male Genitalia	2005/06-present
	Dichotomous, check all that apply	Q584B Q584C Q584D Q584E	Testicular Scrotum Penile Other	2012/13-present
If other, please describe	Open Text	Q18O		2007/08-present
If other, please describe	Open Text	Q584F		2012/13-present
Was athlete wearing a mouth guard at time of injury	Categorical	Q194	1. no 2. yes, self-fitted 3. yes, professionally fitted 4. unknown	2007/08-present
Was the athlete wearing eye protection at the time of injury	Categorical	Q220	1. no 2. yes, off the shelf 3. yes, prescription/custom fit 5. unknown	2008/09-13/14

What type of eye protection was the athlete wearing at the time of injury	Categorical,	Q808	1. glasses 2. sunglasses 3. sport goggles 4. face shield 5. unknown 6. other	2010/11-present
If other, please specify	Open Text	Q808A		2010/11-present
Was the athlete wearing any type of eyewear	Categorical	Q220	1. no 2. yes, a polycarbonate protective eye goggle 3. yes, a wire protective goggle with protrusion of the nose piece 4. yes, a wire protective goggle without protrusion of the nose piece 5. yes, regular (i.e prescription) glasses 6. yes, regular sunglasses 7. other	2014/15-present
Was the athlete wearing a brace at the time of injury	Categorical	Q221	1. yes 2. no 3. unknown	2008/09-present
Type of brace athlete was wearing	Categorical	Q222	1. lace up 2. ridged frame 3. neoprene/sleeve 4. other, describe briefly ____	2008/09-present
Describe Knee or Ankle brace	Open text	Q222A		2008/09-present
Was the joint taped (if body part was knee or ankle?)	Categorical	Q223	1. yes 2. no 3. unknown	2008/09-present
Who applied the tape	Categorical	Q224	1. AT 2. Coach 3. Athlete 4. Parent 5. Other	2008/09- present
Describe who applied the tape	Open Text	Q224A		2008/09-present
Was the athlete wearing a protective cup? (if male genitalia and male sport)	Categorical	Q586	1. Yes 2. No 3. unknown	2012/13-present
Side of body injured	Categorical	Q192	1. Right 2. Left 3. Middle 4. N/A	2006/07-2008/09
			1. Right 2. Left 3. Middle	2009/10-present



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			1. Bilateral 2. N/A	
Primary Type of Injury	Categorical/ Dichotomous, (check all that apply)	Q20	1. Abrasion 2. Blister 3. Burn 4. Bursitis 5. Concussion 6. Contusion	2005/06-present
			7. Dehydration	2005/06-2011/12
			8. Dislocation 9. Fracture	2005/06-present
			10. Heatstroke/heat exhaustion	2005/06-2011/12
			11. Hemorrhage	2005/06-2007/08
			12. Hernia 13. Hyperextension 14. Infection (including skin infection) 15. Inflammation 16. Internal injury (non- hemorrhage) 17. Laceration	2005/06-present
			18. Ligament sprain (complete tear) 19. Ligament sprain (incomplete tear) 20. Muscle strain (complete tear) 21. Muscle Strain (incomplete tear)	2005/06-2008/09
			22. Nerve injury 23. Separation 24. Stress fracture 25. Tendonitis	2005/06-present
			26. Tendon strain (complete tear) 27. Tendon strain (incomplete tear)	2005/06-2008/09
			28. Torn cartilage 29. Other, describe briefly  30. Avulsion	2005/06-present

			31. Frostbite/cold related	2008/09-present
			32. Ligament sprain, severity unknown	2007/08-2008-09
			33. Muscle strain, severity unknown	
			34. Tendon strain, severity unknown	
			35. Multiple injuries	2005/06-2008/09
			36. Subluxation	2005/06-present
			37. Skin infection	2007/08-present
			38. Infection (other than skin)	2009-10-present
			39. Ligament sprain	
			40. Muscle sprain	
			41. Tendon sprain	2010/11-present
			42. Cardiac event (acute)	
			43. Chronic disease/trait (diabetes, sickle cell)	
			44. Respiratory event (Acute)	2011/12-present
			45. Apophysitis	
			46. Plantar fasciitis	
			47. Shin splints	
			48. Spondylolysis	
			49. Heat illness/injury	
Describe Diagnosis	Open Text	Q20A		2010/11-present
Describe Cardiac Event		Q20B		
Describe Chronic disease		Q20C		
Describe Respiratory Event		Q20D		
Ligament tear severity	categorical	Q201	1. Complete 2. Incomplete 3. No tear	2007/08-present
Muscle tear severity	Categorical	Q202	1. Complete 2. Incomplete 3. No tear	2007/08-present



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Tendon tear severity	Categorical	Q203	1. Complete 2. Incomplete 3. No tear	2007/08-present
Did the athlete sustain any additional injuries during the same injury event(i.e a head laceration in addition to a concussion)	Dichotomous	Q633	1. No 2. yes, describe briefly	2014/15-present
If yes, please describe briefly	Open text	Q634		2014/15-present
Where did the injury occur (if heatstroke/ exhaustion)	Categorical	Q503	1. Indoors 2. Outdoors 3. unknown	2009/10-present
What was the temperature of practice/competition location when the heat illness/injury occurred	Categorical	Q560	1. <74 degrees F 2. 75-79 degrees F 3. 80-84 degrees F 4. 85-89 degrees F 5. 90-94 degrees F 6. 95-99 degrees F 7. > 100 degrees F	2012/13-present
What was the on-site wet globe temperature (WBGT) of practice/competition when heat illness occurred	Categorical	Q587	1. 50 degrees F or less 2. 50.1-65 degrees F 3. 65.1-72 degrees F 4. 72.1-78 degrees F 5. 78.1-82 degrees F 6. 82.1-86 degrees F 7. 86.1-90 degrees F 8. >90.1 degrees F 9. unknown	2012/13-present
Do you know the on-site relative humidity of practice/competition when the heat illness/injury occurred	Categorical	Q588	1. Yes, please report humidity_____ 2. No	2012/13-present
What was the on-site relative humidity of the practice/completion where the injury occurred	Open text	Q588A		2012/13-present
What aid did the athlete receive (if injury is heat illness)	Check all that apply	Q561B	Athlete removed from play	2012/13-present
		Q561C	Athlete moved to shade	
		Q561D	Given fluids via. Mouth	
		Q561E	Given IV fluids	



		Q561F	Equipment removed	
		Q561G	Clothing removed	
		Q561H	Cooled by wet towels/ice bags	
		Q561I	Cooled by ice bath/cold-water immersion	
		Q561J	cooled by fans	
		Q561K	Athlete taken into air conditioning	
		Q561L	Athlete transported to hospital by EMS/other transport	
		Q561M	Athlete received no aid related to heat illness	
		Q561N	Other	
If other, describe briefly	Open Text	Q561O		2012/13-present
Who initially provided care to the athlete	Categorical	Q562	<ol style="list-style-type: none"> <li>1. AT present at the onset/time of heat illness/injury</li> <li>2. AT not present at the onset/time of heat illness/injury</li> <li>3. Coach present at the onset/time of heat illness/injury</li> <li>4. Physician present at the onset/time of heat illness/injury</li> <li>5. Physician not present at the onset/time of heat illness/injury</li> <li>6. EMS</li> <li>7. Other</li> </ol>	2012/13-present
If other, describe briefly	Open text	Q562A		2012/13-present
Type of skin infection (if injury type is skin infection)	Categorical ,  Open text	Q504  Q504A	<ol style="list-style-type: none"> <li>1. bacterial infection</li> <li>2. herpetic lesions</li> <li>3. tinea lesions</li> <li>4. other, describe_____</li> <li>5. Conjunctivitis(pink eye)</li> <li>6. Molluscum Contagiosum</li> </ol> <p>If other, please describe</p>	2009/10-present

Area of thigh/upper leg injured(if thigh/upper leg sprain/strain)		Q554	1. Quadricep 2. Hamstring 3. other	2011/12-present
If other, describe briefly		Q554A		2011/12-present
Has the athlete had a prior bone injury (If injury type = stress fracture)	Dichotomous, check all that apply	Q269A	Yes, fracture at same time	2008/09-present
		Q269b	Yes, fracture at different time	
		Q269C	Yes, stress fracture at same site	
		Q269D	Yes, stress fracture at different site	
		Q269E	No	
		Q269F	Unknown	
Concussion Symptoms	Dichotomous, check all that apply	Q21B	Amnesia	2005/06-present
		Q21C	Concentration difficulty	
		Q21D	Confusion/disorientation	
		Q21E	Dizziness/unsteadiness	
		Q21F	Drowsiness	
		Q21G	headache	
		Q21H	Hyper Excitability	
		Q21I	Irritability	
		Q21J	Loss of consciousness	
		Q21K	Nausea	
		Q21L	Tinnitus	
		Q21M	Sensitivity to light	
		Q21N	Sensitivity to noise	
		Q21O	Other Symptoms	
Describe concussion symptoms	Open text	Q21A		2005/06-present
Where did loss of consciousness occur	Categorical	Q505	1. On playing field/court 2. On bench/sideline 3. In the locker room 4. Other	2009/10-present
If other, please describe	Open Text	Q505A		2009/10-present



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Length of time until all concussion symptoms resolution time	Categorical	Q22	1. <15 minutes 2. 15 to 29 minutes 3. 30 to 59 minutes 4. 1 hour to 11 hours 5. 12 hours to 23 hours	2005/06-present
			6. 1 day to 3 days 7. 4 days to 6 days 8. 1 week to 1 month 9. More than 1 month	2005/06-2010/11
			10. 1 day to days 11. 3 days to 6 days 12. 7 days to 9 days 13. 10 days to 21 days 14. 22 days or more	2011/12-present
Grade of concussion	Categorical		1. grade 1 concussion 2. grade 2 concussion 3. grade 3 concussion 4. undetermined/unknown	2007/08-2008/09
Who removed athlete from play (if concussion)	Categorical	Q805	1. certified athletic trainer 2. other appropriate healthcare professional 3. coach 4. official 5. parent 6. athlete 7. other, please describe_____ 8. N/A- athlete completed activity	2009/10-present
If other, please specify	Open Text	Q805A		2009/10-present
What post-concussion evaluations were conducted?	Dichotomous,	Q829B	Symptomology	2005/06-present
		Q829C	Standard Assessment	
		Q829D	Computerized neuropsychologic testing	
		Q829E	Balance testing	
		Q829F	Unknown	
		Q829G	None	
		Q829H	Other	
		Q829I	If symptomology checklist, please specify	
		Q829J	If standard assessment	
		Q829K	If computerized neuropsychologic testing	
		Q829L	If balance testing	
If other, describe briefly	Open text	Q829M		2005/06-present



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Did injury Require Surgery	Categorical	Q23	1. Yes 2. no	2005/06-2008/09
			2. No 3. Yes, injury was repaired with surgery prior to athlete's return to play 4. Yes, but athlete postponed surgery to continue to play	2008/09-present
Post-initial injury assessment, injury was managed by and/or athlete was assessed by	Dichotomous, Check all that apply	Q24B	Certified Athletic trainer	2005/06-present
		Q24C	physician	
		Q24D	Dentist/oral surgeon	
		Q24E	nurse practioner	
		Q24F	physician's assistant	
		Q24G	other, describe briefly_	
		Q24H	Orthopedic physician	
		Q24I	Chiropractor	
		Q24J	Neurologist/neuropsychologist	
Describe who assessed injury	Open text	Q24A		2005/06-present
Assessment method(check all that apply)	Dichotomous, check all that apply	Q25b	Evaluation	2005/06-present
		Q25C	X-ray	
		Q25D	MRI	
		Q25E	CT-Scan	
		Q25F	Surgery	
		Q25G	Blood work/lab test	
		Q25H	Other, describe briefly	
Describe Assessment method	Open text	Q25A		2005/06-present
Was a medical professional on site when injury occurred	Dichotomous, check all that apply	Q532B	Yes, I was on site	2008/09-2013/14
		Q532C	Yes, a physician was on site	
		Q532D	Yes, some other personnel was on site	
		Q532E	No	
		Q532F	Unknown	
			1. yes, I was on site 2. yes, another AT from our school was on site 3. yes, an AT from another school was on-site 4. yes, a physician was on-site 5. yes, some other medical personnel(nurse, EMT, etc) 6. no 7. unknown	2014/15-present



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New or Recurrent Injury	Categorical	Q26	1. New injury 2. Recurrence (this academic year) 3. Recurrence (previous academic year) 4. Other	2005/06-2014/15
				2015/16-present
Describe new or reoccurrence	Open Text	Q26A		2005/06-present
Rehabilitation from previous injury	Categorical	Q65	1. yes 2. no 3. unknown	2007/08-present
Describe Therapy	Open Text	Q65A		2007/08-present
Outcome	Categorical	Q28	1. Returned to activity in 1-2 days 2. Returned to activity in 3-6 days 3. Returned to activity in 7-9 days 4. Returned to activity in 10-21 days 5. Returned to activity in 22 days or more 6. Medical disqualification for season 7. Medical disqualification for career 8. Athlete chooses not to continue (no medical disqualification) 9. Athlete released from team (no medical disqualification) 10. Permanent paralysis 11. Fatality 12. Other 13. Returned to activity in less than 1 day (should only be chosen for fractures, concussions, and/or dental injuries)Season ended before athlete returned to activity 14. Season ended before athlete returned to activity	2005/06-present
				2007/08-present (13 only)
Who made the decision to allow the athlete to return to play or keep the athlete from returning to play (if season ended before return or medical disqualification for season/career)	Categorical	Q506	1. Certified athletic trainer 2. Physician 3. Coach 4. Parent 5. Athlete 6. Unknown	2009/10-present



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If other, please describe	open text	Q506A		2009/10-present
In your professional opinion, do you believe the athlete returned to play before being fully recovered?	Dichotomous	Q225	1. Yes 2. No	2008/09-present
In your professional opinion, how long would it have taken the athlete to return to play if the season had not ended	Categorical	Q66	1. would have returned to activity in 1-2 days 2. would have returned to activity in 3-6 days 3. would have returned to activity in 7-9 days 4. would have returned to activity in 10-21 days 5. would have returned to activity in 22 days or more	2007/08-present
Has player had an unrelated injury reported this season	Dichotomous	Q27	1. Yes 2. No	2005/06-present
Is the athlete part of the substudy? Can Anthropometric Measurements Explain Gender Differences in concussion rates among high school baseball, soccer and lacrosse	Dichotomous	Q835	1. yes 2. no	2011/12
Athletes study ID, If in substudy	Open text			2011/12
Is this athlete part of the substudy "Functional Pre-Participation Physical Evaluation F-PPE project	dichotomous	Q590	1. Yes 2. no	2013/14
What is the athlete's study ID? (This is the study ID you assigned each athlete on testing day (e.g., 00-000-00-0-0))?	Open text	Q590A		2013/14
Is the athlete part of the substudy using the Spotlight RIO Concussion App?	Dichotomous	Q635	1. Yes 2. no	2014/15

What was the athlete's study ID	Open text	Q636		2014/15
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**Injury Event Information:**

Description	type	code	Options	Years Collected
Level of Play	Categorical	Q193	1. Varsity 2. JV 3. Freshman 4. Combined (practice/competition) 5. Other	2006/07-present
Describe Play Level	Open Text	193A		2006/07-present
Type of Exposure	Categorical	Q10	1. Competition 2. Practice 3. Performance (cheerleading only) 4. other training (e.g organized weight lifting, conditioning, etc)	2005/06-present
Injured occurred during	Categorical	Q9	1. Preseason 2. Regular season 3. postseason	2005/06-present
			4. off-season	2014/15-present
Place of competition/performance	Categorical	Q11	1. Home 2. Away 3. Neutral Site	2005/06-present
Time of Injury during practice	Categorical	Q14	1. First ½ hour 2. Second ½ hour 3. Third ½ hour 4. Fourth ½ hour 5. >2 hours into practice	2005/06-present
Basic Injury Mechanism	Categorical	Q31	1. Contact with another player 2. Contact with playing surface 3. Contact with playing apparatus 4. Contact with out of bounds object 5. No contact (pulled muscle, rotation around foot, etc) 6. Overuse/chronic 7. Illness 8. Other	2006/07-present
Describe Basic Injury Mechanism	Open Text	Q31A		2006/07-present
Type of contact that occurred during the injury (If head/face and injury mechanism is contact with another player)	Categorical	Q226	1. Head to head 2. Head to other body site 3. Head to playing surface following contact	2008/09-present

Position of head during contact	Categorical	Q227	1. Head up 2. Head down 3. No flexion 4. Other 5. unknown	2008/09-present
Describe other head position	Open Text	Q227A		2008/09-present
Direction of impact	Categorical	Q228	1. front 2. back 3. side 4. top 5. unknown	2008/09-present
Did the athlete see the impact/blow coming	Categorical	Q507	1. yes 2. no 3. unknown	2009/10-present
Weather/ Field Conditions	Categorical	Q17	1. NA, injury occurred inside 2. no precipitation 3. rain 4. snow 5. no precipitation but wet/muddy	2005/06-present
Do you believe the addition of protective equipment or the more appropriate use of protective equipment could have prevented or reduced the severity of this injury	Categorical	Q29	1. yes 2. no 3. unknown	2007/08-present
Describe Equipment Used	Open Text	Q29A		2007/08-present
Was the athlete wearing any protective Equipment	Dichotomous		1. No 2. Yes, describe	2005/06-2006/07
Time of Injury during competition	Categorical		1. Pre-competition 2. Beginning of competition 3. Middle of competition 4. End of competition 5. Overtime	2005/06-2007/08
Was injury directly related to action that was ruled illegal/foul by a referee?	Categorical		1. Yes 2. No 3. Unknown	2005/06-2006/07
Was this injury directly related to illegal or foul play?	Categorical		1. Yes, and the action was ruled illegal/foul play by referee or disciplinary committee 2. Yes, according to the coach/athlete but was not ruled illegal/foul by referee 3. No 4. unknown	2007/08-2010/11





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Injury occurred During	Categorical		3. A triple session 4. A double session 5. A single session	2005/06-2006/07
Type of Practice which injury occurred	Categorical		1. Noncontact skills practice 2. Noncontact partial numbers scrimmage 3. Noncontact full scrimmage 4. Partial contact skills practice 5. Partial contact partial numbers scrimmage 6. Partial contact full scrimmage 7. Full contact skills practice 8. Full contact partial numbers scrimmage 9. Full contact full scrimmage 10. Other, describe briefly _____	2005/06-2007/08

## Sport Specific Questions

### Football

Description	Variable Code	Type	Options	Years Collected
Playing Surface	Categorical	Q30	1. Artificial- fill 2. Artificial no fill 3. Grass	2005/06-present
			4. Dirt/clay 5. Concrete	2006/07-present



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			6. Indoors	2005/06-present
Football Specific Injury Mechanism	Categorical	Q32	1. Tackling 2. Being Tackled 3. Blocking 4. Being Blocked 5. Stepped on/fell on/kicked 6. Contact with ball 7. Contact with blocking sled/dummy	2005/06-present
			8. Contact with goal posts 9. Contact with seats/bleacher/table 10. Contact with yard marker 11. Rotation around a planted foot/inversion 12. Uneven playing surface	2006/07-present
			13. N/A (overuse, heat, conditioning, etc) 14. Other	2005/06-present
			15. Contact with goal posts/yard markers/seats/bleacher/table	2008/09-present
Describe Football Specific Mechanism	Open text	Q32A		2005/06-present
Was the athlete injured during a tackle in which the opponent grasped the inside of the jersey collar/shoulder pad?	Categorical	Q508	1. Yes 2. No 3. Unknown	2009/10-present
Where did the opponent grasp the jersey collar/shoulder pad?	Categorical	Q509	1. Back 2. Side 3. Front 4. Unknown	2009/10-present
Was the tackle penalized?	Categorical	Q510	1. Yes, horse collar 2. Yes, other personal foul 3. No 4. Unknown	2009/10-present

Football activity	Categorical	Q33	1. Running play (offense) 2. Running play (defense) 3. Passing play (offense) 4. Passing play (defense) 5. Punt coverage 6. Punt return 7. Tackling drill 8. Blocking drill 9. Kicking 10. Kick off coverage (regular) 11. Kick off return (regular) 12. PAT/FG attempt 13. PAT/FG defense 14. General play 15. Conditioning 16. Other	2005/06-present
			17. Kick off coverage (onside kick) 18. Kick off return (onside kick)	2010/11-present
Describe football activity	Open text	Q33A		2005/06-present
What formation was used during kickoff	Categorical	Q542  Other: Q542A	1. Bunch kick up middle of field 2. Side line kick with overload 3. Unknown 4. other	2011/12-present
It other, describe briefly	Open Text	Q542A		2011/12-present
Football Position	Categorical	Q34	1. quarterback 2. off(tight) end 3. off tackle 4. off guard 5. center 6. RB/slotback 7. Flanker/WR 8. Defensive end 9. Defensive tackle/NG 10. Linebacker 11. Cornerback 12. Safety 13. Kicker/punter 14. Special teams 15. Long snapper 16. Other	2005/06-present

			17. Kick returner 18. Punt returner	2011/12-present
Describe football position	Open text	Q34A		2005/06-present
Field location	Categorical	Q35	1. End zone 2. Red zone (20 yrd line to goal line) 3. Between the 20 yard lines 4. Off the field	2005/06-present
Time of injury during competition-football	Categorical	Q234	1. Pre-competition/warm-ups 2. First quarter 3. Second quarter 4. Third quarter 5. Fourth quarter 6. Overtime	2008/09-present
Was the athlete injured during a full-contact activity (i.e. scrimmage, tackling drill, etc.)?	Categorical	Q605	1. Yes, the athlete was injured during a full-contact activity 2. No, the athlete was not injured during a full-contact activity 3. Other, please specify	2014/15-present
If other, please specify	Open text	Q605B		2014/15-present
Football helmet manufacturer	Open text	Q235		2008/09-present
Football helmet style	Open text	Q235A		2008/09-present
Was the football helmet new this season	Categorical	Q236	1. Yes 2. No 3. unknown	2008/09-present
Year helmet was manufactured	Open text	Q236A		2008/09-present
Was the football helmet reconditioned	Categorical	Q237	1. yes 2. no 3. unknown	2008/09-present
			4. yes, this year 5. yes, prior to this year	2009/10-present
Did the football helmet have a NOCSEA seal	Categorical	Q238	1. yes 2. no 3. unknown	2008/09-present
Type of padding inside football helmet	Categorical	Q239	1. foam 2. air 3. gel 4. other	2008/09-present

			5. unknown	
Describe padding inside football helmet	Open text	Q239A		2008/09-present
Who initial fitted the helmet to the athlete	Categorical	Q240	1. ATC 2. Coach 3. Company representative 4. Other adult 5. Athlete 6. unknown	2008/09-present
Describe who fitted the football helmet	Open text	Q240A		2008/09-present
Was the football helmet modified	Categorical	Q241	1. Yes 2. No 3. unknown	2008/09-present
Describe how football helmet was modified	Open text	Q241A		2008/09-present
In your opinion, did the football helmet fit correctly	Categorical	Q242	1. yes 2. no 3. unknown	2008/09-present
Describe what was wrong with the football helmet	Open text	Q242A		2008/09-present
Was there any damage to the football helmet?	Categorical	Q243	1. Yes, prior to the injury 2. Yes, as a result of the injury 3. No 4. unknown	2008/09-present
Describe the prior damage to the football helmet	Open text	Q243A		2008/09-present
Describe the new damage to the football helmet	Open text	Q243B		2008/09-present
Was the athlete wearing shoulder pads at the time of injury	Categorical	Q244	1. yes 2. no 3. unknown	2008/09-present
Were the football shoulder pads appropriate for the athletes size and position?	Categorical	Q245	1. yes 2. no 3. unknown	2008/09-present
Describe who the football shoulder pads were not appropriate	Open text	Q245A		2008/09-present
Were any accessories added to the football shoulder pads	Categorical	Q246	1. yes 2. no 3. unknown	2008/09-present
Describe football shoulder pad accessories	Open text	Q246A		2008/09-present

**Boy's and Girl's Soccer**

Description	Type	Variable Code	Options	Years Collected
Soccer playing surface	Categorical	Q36	1. artificial fill 2. artificial no fill 3. grass 4. dirt/clay 5. concrete	2005/06-present
			6. dirt/clay 7. concrete	2006/07-present
			8. indoors	2005/06-present
Is the playing field surrounded by a running track?	Categorical	Q544	1. Yes 2. No 3. unknown	
Soccer specific mechanism	Categorical	Q38	1. contact with ball 2. contact with goal	2005/06-present
			3. stepped on/fell on/kicked 4. slide tackle 5. contact with another player 6. heading 7. rotation around a planted foot/inversion 8. uneven playing surface 9. N/A (overuse/chronic) other	2006/07-present
			10. Other	2005/06-present
Describe soccer specific mechanism	Open text	Q38A		2005/06-present
Soccer activity	Categorical	Q39	1. shooting 2. passing 3. receiving pass 4. ball handing/dribbling 5. defending 6. blocking shot 7. chasing loose ball 8. heading ball 9. attempting a slide tackle 10. receiving a slide tackle 11. goal tending 12. conditioning	2005/06-present



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			13. general play 14. other	
Describe soccer activity	Open text	Q39A		2005/06-present
Soccer position	Categorical	Q40	1. forward 2. midfield 3. defense 4. goal keeper 5. other	2005/06-present
Describe soccer position	Open text	Q40A		2005/06-present
Soccer field location	Categorical	Q41	1. goal box(defense) 2. side of goal box(defense) 3. goal box(offense) 4. side of goal box (offense) 5. top of goal box extended to center line (offense) 6. top of goal box extended to center line (defense) 7. off the field	2005/06-present
Soccer time of injury during competition	Categorical	Q248	1. pre-competition 2. first half 3. second half 4. over time	2008/09-present
Was the soccer athlete wearing shin guards at the time of the injury?	Categorical	Q249	1. yes 2. no 3. unknown	2008/09-present
Were the soccer shin guards an appropriate size and fit?	Categorical	Q250	1. yes 2. no 3. unknown	2008/09-present
Describe inappropriate fit of soccer shin guards	Open text	Q250A		2008/09-present
Was the athlete wearing headgear (e.g. protective headband, soft helmet, etc.) at the time of the injury?	Categorical	Q545	1. Yes 2. No 3. unknown	2011/12-present

**Boy's and Girl's Volleyball**

Description	Type	Variable Code	Options	Years Collected
Volleyball playing surface	Categorical	Q42	1. artificial fill 2. synthetic 3. wood 4. other	2005/06-present
Describe volleyball surface	Open text	Q42A		2005/06-present
Volleyball specific mechanism	Categorical	Q44	1. contact with team mate 2. contact with opponent 3. contact with ball 4. contact with net 5. contact with standard/pole 6. contact with wall 7. contact with seats/bleachers/table 8. contact with officials stand	2005/06-present
			9. diving for ball 10. jumping/landing 11. rotation around planted foot/inversion 12. N/A, (e.g overuse/chronic)	2006/07-present
			13. Other	2005/06-present
			14. Contact with official	2009/10-present
Describe volleyball specific mechanism	Open text	Q44A		2005/06-present
What type of standard	Categorical	Q551	1. Permanent 2. Temporary 3. Unknown	2009-2012/13
Volleyball Activity	Categorical	Q45	1. Serving 2. Passing 3. Spiking 4. Blocking 5. Setting 6. Digging 7. Conditioning 8. General play	2005/06-present



			9. Other	
Describe Volleyball Activity	Open text	Q45A		2005/06-present
Volleyball Position	Categorical	Q46	1. Libero 2. Outside hitter 3. Setter 4. Middle blocker 5. Opposite/diagonal player 6. other	2005/06-present
Describe volleyball activity	Open text	Q46A		2005/06-present
Volleyball court location	Categorical	Q47	1. right back(server) 2. right forward 3. outside court (your side) 4. outside court (opponents side) 5. middle forward 6. left forward 7. left back 8. off the court	2005/06-present
			9. at the net	2010/11-present
Was the athlete across the center line	Categorical	Q546	1. yes 2. no 3. unknown	2011/12-present
Volleyball time of injury during competition	Categorical	Q251	1. pre-competition/warm ups 2. first game 3. second game 4. third game	2008/09-present
			5. Fourth game 6. Fifth game	<b>2009/10-present</b>
			7. First set 8. Second set 9. Third set 10. Fourth set 11. Fifth set	2011/12-present

**Basketball**

Description	Type	Variable Code	Options	Years Collected
Basketball playing surface	Categorical	Q48	1. Synthetic 2. Wood 3. other	2005/06-present
Describe basketball surface	Open text	Q48A		2005/06-present
Basketball specific mechanism	Categorical	Q50	1. contact with ball 2. contact with rim 3. contact with backboard 4. contact with standards 5. contact with seats/bleachers/table	2005/06-present
			6. stepped on/fell on/kicked 7. collisions with another player 8. jumping/landing 9. rotation around a planted foot/inversion 10. N/A (i.e overuse, heat, chronic) 11. Other	2006/07-present
Describe basketball specific mechanism	Open text	Q50A		2005/06-present
Basketball activity	Categorical	Q51	1. shooting 2. passing 3. receiving pass 4. ball handling/dribbling 5. defending 6. chasing loose ball 7. screening 8. rebounding 9. conditioning 10. general play 11. other	2005/06-present
Describe basketball activity	Open text	Q51A		2005/06-present
Basketball position	Categorical	Q52	1. center 2. forward 3. guard 4. other	2005/06-present

Describe basketball position	Open text	Q52A		2005/06-present
Basketball court location	Categorical	Q53	1. inside land (offense) 2. inside land (defense) 3. between 3 pt arc and lane (offense) 4. between 3 pt arc and lane (defense) 5. outside 3 point arc (offense) 6. outside 3 point arc (defense) 7. out of bounds 8. off the court	2005/06-present
			9. backcourt	2009/10-present
Basketball time of injury during competition	Categorical	Q252	1. pre-competition/warm ups 2. first quarter 3. second quarter 4. third quarter 5. fourth quarter 6. over time	2008/09-present

### Wrestling

Description	Type	Variable Code	Options	Years Collected
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Wrestling Activity	Categorical	Q55	1. takedown 2. near fall 3. riding 4. sparring 5. reversal 6. escape 7. fall 8. conditioning	2005/06-present
			9. N/A (skin infection, overuse, heat exhaustion, etc)	2006/07-present
			10. Other	2005/06-present
Describe Wrestling Activity	Open Text	Q55A		2005/06-present
Weight class	Categorical	Q56	1. 125 lbs 2. 130 lbs 3. 140 lbs	2005/06-2010/11
			4. 145 lbs 5. 152 lbs 6. 160 lbs	2005/06-present
			7. 171 lbs 8. 189 lbs 9. 215 lbs	2005/06-2010/11
			10. 285 lbs	2005/06-present
			11. Other	2007/08-present
			12. 103 lbs 13. 112 lbs 14. 119 lbs 15. 135 lbs	2005/06-2010/11
			16. 106 lbs 17. 113 lbs 18. 120 lbs 19. 126 lbs 20. 132 lbs 21. 138 lbs 22. 170 lbs 23. 182 lbs 24. 195 lbs 25. 220 lbs	2011/12-present

Describe weight class		Q56a		2005/06-present
Mat location	Categorical	Q57	1. Within circle 2. Out of bounds 3. Off mat	2005/06-present
Age of wrestling mat	Categorical	Q253	1. New mat 2. Old mat 3. Reconditioned mat 4. Unknown 5. New mat (0-2 years old) 6. Old mat (>2 years old)	2008/09-present
Type of surface under wrestling mat	Categorical	Q254	1. Concrete 2. Wood 3. Other	2008/09-present
Describe other type of wrestling surface		Q254A		2008/09-present
Wrestling time of injury during competition	Categorical	Q255	1. Pre-competition warm ups 2. First period 3. Second period 4. Third period 5. Over time	2008/09-present
Injury occurred during	Categorical	Q541	1. 1 <sup>st</sup> match of the day 2. 2 <sup>nd</sup> match of the day 3. 3 <sup>rd</sup> match of the day 4. 4 <sup>th</sup> match of the day 5. 5 <sup>th</sup> match of the day 6. Unknown	2010/11-present
Injured athlete was wrestling against	Categorical	Q606	1. A male wrestler 2. A female wrestler	2014/15-present

#### Baseball/Softball

Description	Type	Variable Code	Options	Years Collected
Baseball/softball playing surface	Categorical	Q58	1. Artificial fill 2. Artificial no fill 3. Grass	2005/06-present
			4. Dirt/clay 5. Concrete	2006/07-present



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			6. Indoors	2005/06-present
Baseball/softball specific mechanism	Categorical	Q60	1. Contact with bat 2. Contact with thrown ball (non-pitch) 3. Hit by pitch 4. Hit by batted ball (line drive ) 5. Hit by batted ball (ground ball) 6. Contact with outfield bases 7. Contact with bases 8. Dug out 9. Foul territory fence 10. Throwing – pitching 11. Throwing – no pitching	2005/06-present
			12. contact with another person 16. rotation around a planted foot/inversion 17. uneven playing surface 18. N/A (overuse, heat illness, conditioning, etc) 19. other	2006/07-present
			20. hit by batted ball (foul ball) 21. contact with outfield wall/dugout/ foul territory fence 22. hit by batted ball	2009/10-present
Describe baseball/softball specific mechanism		Q60A		2005/06-present
Hit by batted ball specifics	Categorical	Q607	1. Line drive 2. Ground ball 3. Foul ball	2009/10-present
Type of bat	Categorical	Q195	1. Wood 2. Metal 3. Unknown	2007/08-present
			4. Composite 5. Wood composite	2011/12-present
Baseball/softball activity	Categorical	Q61	1. Pitching 2. Throwing 3. Fielding 4. Batting 5. Running bases 6. Sliding 7. Catching	2005/06-present

			8. Coaching 9. Conditioning 10. General play 11. Other	
			12. Fielding a thrown ball 13. Fielding a batted ball	2009/10-present
Describe baseball/softball activity		Q61A		2005/06-present
How did the athlete slide?	Categorical	Q274	1. Feet first 2. Head first 3. Unknown	2008/09-present
What type of base was the athlete sliding into?	Categorical	Q275	1. Break away base 2. Double first base 3. Traditional base 4. Unknown	2008/09-present
Baseball/softball position	Categorical	Q62	1. Batter 2. Base runner 3. Pitcher 4. Catcher 5. First base 6. Second base 7. Shortstop 8. Third base 9. Left field 10. Center field 11. Right field 12. Non-field player 13. Other	2005/06-present
			14. Warm up catcher	2011/12-present
Describe baseball/softball position		Q62A		2005/06-present
Baseball/softball field location	Categorical	Q63	1. Home plate 2. First base 3. Second base 4. Third base 5. Infield	2005/06-present

			6. Pitchers mound 7. Outfield 8. Foul territory 9. Other	
Describe baseball/softball field location	Open Text	Q63A		2005/06-present
Baseball/softball time of injury during competition		Q256	1. pre-competition/warm-ups 2. first inning 3. second inning 4. third inning 5. fourth inning 6. fifth inning 7. sixth inning 8. seventh inning 9. extra inning	2008/09-present
Approximately, how many pitches had athlete thrown that day?	Open text	Q512		2009/10-present
How many days rest had athlete had since last pitching in a competition?	Open text	Q513		2009/10-present
Were double bases (i.e., side by side) used?		Q514	1. yes 2. no 3. unknown	2009/10-present
Type of cleat worn by injured baseball/softball athlete		Q68	1. metal 2. molded plastic, rubber, etc 3. other	2008/09-present
Describe type of baseball/softball cleat	Open text	Q68A		2008/09-present
Type of cleat worn by the other player involved in contact with injured athlete		Q69	1. metal 2. molded plastic, rubber, etc 3. other	2008/09-present
Describe type of baseball/softball cleat	Open text	Q69A		2008/09-present
Was the athlete wearing a helmet?		Q515	1. yes 2. no 3. unknown	2009/10-present
Baseball/softball helmet manufacturer		Q257		2008/09-present
Baseball/softball helmet style		Q257A		2008/09-present
Was the baseball/softball helmet new this season?		Q258	1. yes 2. no 3. unknown	2008/09-present
No, year helmet baseball/softball was manufactured		Q258A		2008/09-present





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Was the baseball/softball helmet reconditioned?		Q259	1. yes 2. no 3. unknown 4. yes, this year 5. yes, prior to this year	2008/09-present
Did the baseball/softball helmet have a NOCSAE seal?		Q260	1. yes 2. no 3. unknown	2008/09-present
Type of padding inside baseball/softball helmet		Q261	1. foam 2. air 3. gel 4. other 5. unknown	2008/09-present
Describe other padding inside baseball/softball helmet		Q261A		2008/09-present
Who initially fit the baseball/softball helmet to the athlete?		Q262	1. ATC 2. Coach 3. Company representative 4. Other 5. Athlete 6. Unknown	2008/09-present
Describe who initially fit the baseball/softball helmet		Q262A		2008/09-present
Was the baseball/softball helmet modified?		Q263	1. Yes 2. No 3. Unknown	2008/09-present
Describe baseball/softball helmet modification		Q263A		2008/09-present
In your opinion, did the baseball/softball helmet fit correctly at the time of the injury?		Q264	1. Yes 2. No 3. Unknown	2008/09-present
No, please briefly describe what was wrong with the baseball/softball helmet		Q264A		2008/09-present
Was there any damage to the baseball/softball helmet?		Q265	1. Yes, prior to the injury 2. Yes, as a result of the injury 3. No 4. Unknown	2008/09-present
Describe previous damage to the baseball/softball helmet		Q265A		2008/09-present
Describe new damage to the baseball/softball helmet		Q265B		2008/09-present
Who provided the baseball/softball helmet?		Q266	1. Athletes personal helmet 2. Helmet provided by the school	2008/09-present

**Field Hockey:**

Description	Type	Variable Code	Options	Years Collected
Field hockey playing surface	Categorical	Q105	1. Natural grass 2. Artificial grass 3. Non-grass surface 4. Other	2008/09-present
Describe other field hockey playing surface	Open Text	Q105A		2008/09-present
Field hockey specific injury mechanism	Categorical	Q106	1. Contact with ball 2. Contact with stick 3. Contact with goal 4. Contact with another player 5. Stepped on/fell on/kicked 6. Rotation around planted foot/inversion 7. Uneven playing surface 8. n/a (overuse, health illness, conditioning, etc) 9. other	2008/09-present
Describe field hockey specific injury mechanism	Open Text	Q106A		2008/09-present
Field hockey activity at time of injury	Categorical	Q107	1. shooting 2. passing 3. receiving 4. ball handling/dribbling 5. defending 6. blocking shot 7. chasing a loose ball 8. goal tending 9. conditioning 10. general play 11. other	2008/09-present
			12. penalty corner	2011/12-present
Describe other field hockey activity	Open Text	Q107A		2008/09-present
Field hockey position played at time of injury	Categorical	Q108	1. goal keeper 2. forward 3. midfielder 4. defender 5. non-positional/conditioning drill 6. other	2008/09-present



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Describe other field hockey position	Open Text	Q108A		2008/09-present
Field hockey field location	Categorical	Q109	<ol style="list-style-type: none"> <li>1. goal area/circle</li> <li>2. within 16-yard arc</li> <li>3. within 25-yard line</li> <li>4. between 25-yard line and center line</li> <li>5. sideline</li> <li>6. other</li> </ol>	2008/09-present
Describe other field hockey field location	Open Text	Q109A		2008/09-present
Field hockey time of injury during competition	Categorical	Q110	<ol style="list-style-type: none"> <li>1. pre-competition</li> <li>2. first half</li> <li>3. second half</li> <li>4. overtime</li> </ol>	2008/09-present

## Gymnastics:

Description	Type	Variable Code	Options	Years Collected
Gymnastics specific injury mechanism	Categorical	Q111	<ol style="list-style-type: none"> <li>1. contact with apparatus</li> <li>2. fall/slip</li> <li>3. jumping/landing</li> </ol>	2008/09-present

			4. rotation around a planted foot /inversion 5. n/a (overuse, heat illness , conditioning, etc) 6. other	
Describe gymnastics specific injury mechanism	Open Text	Q111A		2008/09-present
Gymnastics activity at time of injury	Categorical	Q112	1. mounting 2. dismount 3. release move 4. tumbling 5. dancing 6. other	2008/09-present
Describe gymnastics activity	Open Text	Q112A		2008/09-present
Gymnastics event/apparatus at time of injury	Categorical	Q113	1. warm-up/stretching/conditioning 2. floor exercise 3. vault 4. uneven bars 5. balance beam 6. other	2008/09-present
Describe gymnastics event/apparatus	Open Text	Q113A		2008/09-present
Location of injury:	Categorical	Q547	1. in bounds 2. Out of bounds but on carpet or mat 3. Out of bounds and off carpet or mat 4. Unknown	2011/12
When injured, gymnast was:	Categorical	Q114	1. Spotted by coach 2. Spotted by teammate 3. Spotted by an overhead belt 4. No spotted 5. Other	2008/09-present
Describe spotting	Open Text	Q114A		2008/09-present

**Ice hockey:**

Description	Type	Variable Code	Options	Years Collected
Ice hockey specific injury mechanism	Categorical	Q115	1. contact with another player 2. contact with ice 3. contact with stick 4. contact with puck	2008/09-present



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			5. contact with skate 6. contact with boards/glass 7. contact with gate 8. contact with goal 9. rotation around planted foot/inversion 10. n/a (e.g. overuse, heat illness, conditioning, etc.) 11. other	
Describe ice hockey specific injury mechanism	Open Text	Q115A		2008/09-present
Ice hockey activity at time of injury	Categorical	Q116	1. skating 2. shooting 3. passing 4. receiving pass 5. checking 6. being checked 7. chasing loose puck 8. goal tending 9. face-off 10. line change	2008/09-present
			11. conditioning	2014/15-present
			12. Other	2008/09-present
Describe ice hockey activity	Open Text	Q116A		2008/09-present
Ice hockey position played at time of injury	Categorical	Q117	1. goalie 2. defenseman 3. center 4. wing 5. nonpositional/conditioning drill 6. other	2008/09-present
Describe ice hockey position	Open Text	Q117A		2008/09-present
Ice hockey injury situation	Categorical	Q118	1. regular play (5-on-5) offense 2. regular play (5-on-5) defense 3. even strength (4-on-4, 3-on-3) offense 4. even strength (4-on-4, 3-on-3) defense 5. power play offense 6. power play defense 7. other	2008/09-present
Describe ice hockey injury situation	Open Text	Q118A		2008/09-present

Ice hockey rink location	Categorical	Q119	1. corner 2. behind goal 3. goal area 4. face-off circle 5. between goal line and blue line 6. neutral zone 7. bench 8. other	2008/09-present
Describe ice hockey rink location	Open Text	Q119A		2008/09-present
Ice hockey time of injury during competition	Categorical	Q120	1. pre-competition/warm-ups 2. first period 3. second period 4. third period 5. overtime	2008/09-present
Ice hockey helmet manufacturer	Open Text	Q400		2008/09-present
Ice hockey helmet style	Open Text	Q400A		2008/09-present
Was the ice hockey helmet new this season?	Categorical	Q401	1. yes 2. no, year helmet was manufactured 3. unknown	2008/09-present
No, year ice hockey helmet was manufactured	Open Text	Q401A		2008/09-present
Did the helmet have a HECC/ASTM sticker?	Categorical	Q548	1. yes 2. no 3. unknown	2008/09-present
Type of padding inside ice hockey helmet	Categorical	Q404	1. foam 2. air 3. gel 4. other 5. unknown	2008/09-present
Describe other padding inside ice hockey helmet	Open text	Q404A		2008/09-present
Who initially fit the ice hockey helmet to the athlete?	Categorical	Q405	1. ATC 2. Coach 3. Company representative 4. Other adult, please describe 5. Athlete 6. unknown	2008/09-present
Describe who initially fit the ice hockey helmet	Open text	Q405A		2008/09-present
Was the ice hockey helmet modified?	Categorical	Q406	1. yes, please briefly describe how helmet was modified 2. no	2008/09-present

			3. unknown	
Describe ice hockey helmet modification	Open text	Q406A		2008/09-present
In your opinion, did the ice hockey helmet fit correctly at the time of the injury?	Categorical	Q407	1. yes 2. no, please briefly describe what was wrong 3. unknown	2008/09-present
Describe what was wrong with the ice hockey helmet	Open text	Q407A		2008/09-present
Was there any damage to the ice hockey helmet?	Categorical	Q408	1. yes, prior to the injury 2. yes, as a result of the injury 3. no 4. unknown	2008/09-present
Describe previous damage to the ice hockey helmet	Open text	Q408A		2008/09-present
Describe new damage to the ice hockey helmet	Open text	Q408B		2008/09-present
Who provided the helmet?	Categorical	Q516	1. athletes personal helmet 2. helmet provided by the school	2008/09-present

### Lacrosse

Description	Type	Variable Code	Options	Years Collected
Lacrosse playing surface	Categorical	Q121	1. natural grass 2. artificial grass 3. non-grass surface (i.e. gym floor, concrete, asphalt, etc.) 4. other	2008/09-present
Describe other lacrosse playing surface	Open Text	Q121A		2008/09-present
Lacrosse specific injury mechanism	Categorical	Q122	1. contact with ball 2. contact with crosse/stick 3. contact with goal	2008/09-present



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			4. contact with another player 5. stepped on/fell on/kicked 6. rotation around planted foot/inversion 7. uneven playing surface 8. n/a (e.g. overuse, heat illness, conditioning, etc.) 9. other	
Describe lacrosse specific injury mechanism	Open Text	Q122A		2008/09-present
Lacrosse activity at time of injury	Categorical	Q123	1. shooting 2. passing 3. receiving pass 4. body checking 5. crosse/stick checking 6. being body checked 7. being crosse/stick checked 8. ball handling/cradling 9. defending 10. blocking shot 11. chasing loose ball 12. goaltending 13. face-off 14. draw 15. conditioning 16. general play 17. other	2008/09-present
Describe lacrosse activity at time of injury	Open Text	Q123A		2008/09-present
Lacrosse position played at time of injury	Categorical	Q124	1. goal keeper 2. forward/attack 3. midfielder 4. defense 5. nonpositional/conditioning drill 6. other	2008/09-present
Describe other lacrosse position	Open Text	Q124A		2008/09-present
Boys' lacrosse field location	Categorical	Q125	1. midfield 2. wing area 3. defensive area 4. goal area 5. sideline	2008/09-present
Boys' lacrosse time of injury during competition	Categorical	Q126	1. pre-competition/warm-ups 2. first quarter 3. second quarter 4. third quarter	2008/09-present



			5. fourth quarter 6. over time	
Girls' lacrosse field location	Categorical	Q127	1. center circle 2. midfield (between restraining lines) 3. critical scoring area (including the fan and arc) 4. goal circle 5. end line 6. sideline	2008/09-present
Girls' lacrosse- time of injury during competition	Categorical	Q128	1. pre-competition/warm-ups 2. first half 3. second half 4. overtime	2008/09-present
Was the athlete wearing a helmet or soft head gear at the time of injury (e.g., judo helmet, takewando headgear, rugby scrum cap)? (girls lacrosse only)	Dichothomous	Q642	1. yes 2. no	2014/15-present
What type of helmet or soft head gear was the athlete wearing at the time of injury? (girls lacrosse only)	Open text	Q643		2014/15-present
Lacrosse helmet manufacturer	Open Text	Q409		2008/09-present
Lacrosse helmet style	Open Text	Q409A		2008/09-present
Was the lacrosse helmet new this season?	Categorical	Q410	1. yes 2. no 3. unknown	2008/09-present
No, year lacrosse helmet was manufactured	Open Text	Q410A		2008/09-present
Was the lacrosse helmet reconditioned?	Categorical	Q411	1. yes 2. no 3. unknown 4. yes, this year 5. yes, prior to this year	2008/09-present
Did the lacrosse helmet have a NOCSAE seal?	Categorical	Q412	1. yes 2. no 3. unknown	2008/09-present
Type of padding inside lacrosse helmet	Categorical	Q413	1. foam 2. air 3. gel 4. other 5. unknown	2008/09-present

Describe other lacrosse helmet padding	Open Text	Q413A		2008/09-present
Who initially fit the lacrosse helmet to the athlete?	Categorical	Q414	<ol style="list-style-type: none"> <li>1. ATC</li> <li>2. Coach</li> <li>3. Company representative</li> <li>4. Other</li> <li>5. Athlete</li> <li>6. Unknown</li> </ol>	2008/09-present
Describe who initially fit the lacrosse helmet	Open Text	Q414A		2008/09-present
Was the lacrosse helmet modified?	Categorical	Q415	<ol style="list-style-type: none"> <li>1. Yes</li> <li>2. No</li> <li>3. Unknown</li> </ol>	2008/09-present
Describe lacrosse helmet modification	Open Text	Q415A		2008/09-present
In your opinion, did the lacrosse helmet fit correctly at the time of the injury?	Categorical	Q416	<ol style="list-style-type: none"> <li>1. Yes</li> <li>2. No</li> <li>3. Unknown</li> </ol>	2008/09-present
Describe what was wrong with the lacrosse helmet	Open Text	Q416A		2008/09-present
Was there any damage to the lacrosse helmet?	Categorical	Q417	<ol style="list-style-type: none"> <li>1. Yes, prior to the injury</li> <li>2. Yes, as a result of the injury</li> <li>3. No</li> <li>4. Unknown</li> </ol>	2008/09-present
Describe previous damage to the lacrosse helmet	Open Text	Q417A		2008/09-present
Describe new damage to the lacrosse helmet	Open Text	Q417B		2008/09-present
Who provided the helmet?	Categorical	Q517	<ol style="list-style-type: none"> <li>1. Athletes personal helmet</li> <li>2. Helmet provided by the school</li> </ol>	2008/09-present
Was the athlete wearing shoulder pads at the time of the injury?	Categorical	Q549	<ol style="list-style-type: none"> <li>1. Yes</li> <li>2. No</li> <li>3. Unknown</li> </ol>	2011/12-present
What type of shoulder pad was the athlete wearing?	Categorical	Q550	<ol style="list-style-type: none"> <li>1. Traditional shoulder pad</li> <li>2. Compression integrated shoulder</li> <li>3. Shoulder pad liner</li> <li>4. Unknown</li> <li>5. Other</li> </ol>	2011/12-present
If other, describe briefly:	Open Text	Q550A		2011/12-present
Who was in possession of the ball when the player was injured?	Categorical	Q534	<ol style="list-style-type: none"> <li>1. player's team had possession of the ball</li> <li>2. opponent had possession of the ball</li> <li>3. neither team had possession of the ball</li> </ol>	2008/09-present



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			4. unknown	
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## Swimming/Diving

Description	Type	Variable Code	Options	Years Collected
Swimming specific injury mechanism	Categorical	Q129	1. contact with board 2. contact with platform 3. contact with block 4. contact with deck 5. contact with wall 6. contact with ropes 7. contact with bottom of the pool 8. contact with another person 9. n/a (e.g. overuse, heat illness, hypothermia, conditioning, etc.) 10. other	2008/09-present
			12. contact with starting platform	2009/10-present
Describe swimming specific injury mechanism	Open text	Q129A		2008/09-present
Depth of pool/diving area	Open text	Q130		2008/09-present
Swimming activity at time of injury	Categorical	Q131	1. diving off board/platform/block 2. start 3. swimming 4. touch turn off wall	2008/09-present

			5. flip off wall 6. using kickboard	
			7. conditioning	2014/15-present
			8. Other	2008/09-present
Describe swimming activity	Open text	Q131A		2008/09-present
Type of approach:	Categorical	Q552	1. forward 2. backward 3. unknown	2011/12-present
Did the diver use additional steps between the initial three steps and the culminating hurdle for his/her approach?	Categorical	Q553	1. yes 2. no 3. unknown	2011/12-present
Which surface was the athlete diving from?	Categorical	Q607	1. off starting blocks 2. off pool deck 3. off spring board 4. off platform	2014/15-present
Where did the swimming start take place?	Categorical	Q276	1. blocks 2. pool deck 3. in water (i.e backstroke) 4. unknown	2008/09-present
Swimming event	Categorical	Q132	1. 50 yd/m freestyle 2. 100 yd/m freestyle 3. 200 yd/m freestyle 4. 500 yd/m freestyle 5. 200 yd/m freestyle relay 6. 400 yd/m freestyle relay 7. 200 yd/m medley relay 8. 100 yd/m butterfly 9. 100 yd/m back 10. 100 yd/m breast 11. 200 yd/m IM 12. 1 m diving 13. Other	2008/09-present
			14. 400 yd/m freestyle	2009/10-present
			15. 500 yd/400 m freestyle	2012/13-present
Describe swimming event	Open text	Q132A		2008/09-present
Swimming location	Categorical	Q133	1. starting platform/board/block 2. in pool 3. poolside 4. other	2008/09-present

Describe swimming location	Open text	Q133A		2008/09-present
Swimming- length of pool	Categorical	Q134	1. 25 yds/m 2. 50yds/m 3. 100 yds/m 4. Other	2008/09-present
Describe swimming pool length	Open text	Q134A		2008/09-present

#### Track and Field

Description	Type	Variable Code	Options	Years Collected
Track playing surface	Categorical	Q135	1. Dirt 2. Sand 3. Rubber 4. Cinder 5. Asphalt 6. Gravel 7. Grass 8. All weather 9. Concrete 10. Other	2008/09-present
Describe track playing surface	Open text	Q135A		2008/09-present
Track specific injury mechanism	Categorical	Q136	1. Fall/trip 2. contact with ground 3. contact with field equipment (e.g. hurdle, shot put, crossbar, etc.) 4. contact with another person 5. stepped on/kicked 6. rotation around planted foot/inversion 7. uneven playing surface 8. n/a (e.g. overuse, heat illness, conditioning, etc.) 9. other	2008/09-present
Describe other track specific injury mechanism	Open text	Q136A		2008/09-present



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Track activity at time of injury	Categorical	Q137	<ol style="list-style-type: none"> <li>1. running</li> <li>2. leaving block</li> <li>3. jumping/landing</li> <li>4. throwing</li> <li>5. hit by shot put/discus/javelin/hammer</li> <li>6. baton hand off</li> <li>7. warming up</li> <li>8. conditioning</li> <li>9. other</li> <li>10. running hurdles</li> </ol>	2008/09-present
Describe other track activity	Open text	Q137A		2008/09-present
Location:	Categorical	Q533	<ol style="list-style-type: none"> <li>1. Within throwing sector area</li> <li>2. Outside throwing sector area</li> <li>3. Unknown</li> <li>4. Other</li> </ol>	2009/10-present
If other, describe briefly:	Open text	Q533A		2009/10-present
Specifically, where did the athlete land?	Categorical	Q518	<ol style="list-style-type: none"> <li>1. Plant box</li> <li>2. Approach track</li> <li>3. Over/beside pit/padded area</li> <li>4. Other</li> </ol>	2009/10-present
If other, describe briefly:	Open text	Q518A		2009/10-present
Track event	Categorical	Q138	<ol style="list-style-type: none"> <li>1. 100-m 33" hurdles</li> <li>2. 110-m 39" hurdles</li> <li>3. 300-m 30" hurdles</li> <li>4. 300-m 30" hurdles</li> <li>5. 100-m dash</li> <li>6. 200-m dash</li> <li>7. 400-m dash</li> <li>8. 800-m dash</li> <li>9. 1600-m dash</li> <li>10. 3200-m dash</li> <li>11. 4x100-m dash</li> <li>12. 4x200-m dash</li> <li>13. 4x400-m dash</li> <li>14. 4x800-m dash</li> <li>15. Discus</li> <li>16. shot put</li> <li>17. hammer</li> <li>18. javelin</li> <li>19. high jump</li> <li>20. long jump</li> <li>21. triple jump</li> <li>22. pole vault</li> <li>23. other</li> </ol>	2008/09-present

			24. 400 m 30" hurdles	2009/10-present
Describe track event	Open text	Q138A		2008/09-present
Track location	Categorical	Q139	1. landing area/throwing field 2. to the side of the landing area/throwing field 3. behind thrower	2008/09-present
Where did the track athlete land?	Categorical	Q140	1. pit/padded area 2. out of pit/off of padded area 3. n/a, injury occurred while jumping	2008/09-present
How did the athlete land in the plant box	Categorical	Q608	1. head first 2. feet first 3. other, describe briefly	2014/15-present
If other please describe	Open text	Q609		2015/15-present
Was the track athlete wearing a helmet at the time of the injury?	Categorical	Q141	1. yes 2. no 3. unknown	2008/09-present

#### Cheerleading

Description	Type	Variable Code	Options	Years Collected
Cheer Playing surface:	Categorical	Q519	1. grass 2. Asphalt track 3. Rubberized track 4. Basketball court 5. Mat 6. Other	2009/10-present
			7. Artificial turf 8. Spring floor	2012/13-present
If other, describe briefly:	Open text	Q519A		2009/10-present
Specific injury mechanism:	Categorical	Q520	1. Contact with another person 2. Contact with the floor/ground 3. Contact with a prop (e.g., megaphone, flag, etc.) 4. Other	2009/10-present
			5. No contact ((e.g., pulled muscle, rotation around a planted foot, etc.)	2012/13-present
If other, describe briefly:	Open text	Q520A		2009/10-present



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What body part of the other person contacted the injured athlete?	Categorical	Q521	1. Head 2. Elbow 3. Hand 4. Knee 5. Foot 6. unknown 7. other	2009/10-present
If other, describe briefly:	Open text	Q521A		2009/10-present
Activity at time of injury:	Categorical	Q522	1. Stunt (e.g., toss, lift, etc.) 2. Pyramid (e.g., multiple partner stunt) 3. Tumbling (e.g., moving cartwheels, series of flips, etc.) 4. Jump (e.g., stationary flip, toe touch, etc.) 5. Other	2009/10-present
			6. Partner stunt 7. Standing tumbling (e.g., stationary flips, back handsprings, etc.) 8. Toss (e.g., basket toss, elevator toss, etc.) 9. Moving tumbling (e.g., round-off back handspring, series of flips and/or twists) 10. Warm-up	
If other, describe briefly:	Open text	Q522A		2009/10-present
Was the Stunt .....	Dichotomous, check all that apply	Q523A	Shoulder level	2009/10-present
		Q523B	Extended(i.e above shoulder level)	
		Q523C	One foot	
		Q523D	Two feet	
		Q523E	During the mount	
		Q523F	During the dismount	
		Q523G	coed	
		Q523H	All girl	
Type of dismount:	Categorical	Q524	1. To the ground/floor surface 2. To a cradle	2009/10-present
How many bases were involved in the stunt/pyramid/skill where the injury occurred?	Categorical	Q525	1. One single base 2. Two single base 3. Three single base 4. Multi-based (i.e., four or more)	2009/10-present
Was the injured athlete ever inverted?	Dichotomous	Q526	1. Yes 2. No	2009/10-present



Did the injury involve a rotation skill (e.g., double downs, twists, etc.)?	Categorical	Q527	1. Yes, a single rotation 2. Yes, a double rotation 3. No rotation	2009/10-present
Injured athlete was a	Categorical	Q528	1. Base 2. Flyer 3. Back spotter 4. Front spotter 5. other	2009/10-present
If other, describe briefly:	Open text	Q528A		2009/10-present
When injured, the athletes was	Categorical	Q529	1. spotted by a coach 2. Spotted by a teammate 3. Spotted by equipment e.g., overhead belt, etc.) 4. Not spotted 5. Other	2009/10-present
If other, describe briefly:	Open text	Q529A		2009/10-present
Was the athlete supervised by a coach at the time of the injury?	Dichotomous	Q530	1. Yes 2. No	2009/10-present
Location:	Categorical	Q531	1. On school site (school practice or game) 2. Off-site practice/performance/competition	2009/10-present
Time of injury during competition	Categorical	Q807	1. Pre-competition/warm-ups 2. During competition	2010/11-present

**Cross Country:**

Description	Type	Variable Code	Options	Years Collected
Playing surface:	Categorical	Q568	1. Dirt 2. Sand 3. Rubber 4. Asphalt 5. Gravel 6. Grass 7. Concrete 8. Other	2012/13-present
If other, describe briefly:	Open text	Q568A		2012/13-present
Terrain:	Categorical	Q569	1. Flat 2. Uphill 3. Down hill 4. Other	2012/13-present
If other, describe briefly:	Open text	Q569A		2012/13-present
Weather/running surface conditions:	Categorical	Q572	1. Pre-competition/warm-ups 2. No precipitation but wet/muddy 3. Rain 4. Snow 5. NA, injury occurred inside 6. Other	2012/13-present
If other, describe briefly:	Open text	Q572A		2012/13-present
Specific injury mechanism:	Categorical	Q574	1. Fall/trip 2. Contact with ground/surface 3. Contact with another person 4. Contact with course obstacle (e.g., fencing, tree/bush, etc.) 5. Stepped on/kicked 6. Rotation around planted foot/inversion 7. Uneven running surface 8. Over use 9. N/A (e.g., heat illness, conditioning, etc.) 10. Other	2012/13-present
If other, describe briefly:	Open text	Q574A		2012/13-present
Activity at time of injury:	Categorical	Q576	1. Warming up 2. Running 3. Cooling down	2012/13-present

			4. Conditioning 5. Other	
If other, describe briefly:	Open text	Q576A		2012/13-present
Type of workout:	Categorical	Q578	1. Interval 2. Distance 3. Speed 4. Hills 5. Other	2012/13-present
If other, describe briefly:	Open text	Q578A		2012/13-present
Type of shoe being worn at time of injury:	Categorical	Q580	1. Flats 2. Spikes 3. Other	2012/13-present
If other, describe briefly:	Open text	Q580A		2012/13-present
Distance of course:	Categorical	Q582	1. 5K 2. 4K 3. 3.2K 4. Other	2012/13-present
If other, describe briefly:	Open text	Q582A		2012/13-present

**Tennis:**

Description	Type	Variable Code	Options	Years Collected
On what type of playing surface did the injury occur	Categorical	Q610	1. Hard court outdoor 2. Hard court indoor 3. Composite indoor 4. Clay outdoor	2014/15-present

			5. Grass outdoor 6. Other, please specify	
If other, please describe	Open text	Q611		2014/15-present
What was the tennis specific mechanism of injury	Categorical	Q612	1. Struck by ball 2. Stepped or tripped on ball 3. Contact with racquet 4. Contact with playing surface 5. Contact with net 6. Contact with another player 7. Contact with out of bounds object 8. Rotation around a planted foot/inversion 9. Other non-contact (overuse, heat, etc) 10. Other, please specify	2014/15-present
If other, please describe	Open text	Q613		2014/15-present
More specifically, how did the injury occur?	Categorical	Q614	1. Stepped or tripped on ball that was in play 2. Stepped or tripped on an extra ball (one not in play) left on court 3. Stepped or tripped on an extra ball that entered court during play 4. Other, please describe	2014/15-present
If other, please describe	Open text	Q615		2014/15-present
More specifically, how did the injury occur?	Categorical	Q616	1. Contact with fence/wall 2. Contact with umpire chair 3. Contact with bleachers 4. Other, please specify	2014/15-present
If other, please describe	Open text	Q617		2014/15-present
What was the tennis specific activity during which injury occurred?	Categorical	Q601	1. Conditioning 2. Chasing/running after/to hit ball 3. Forehand ground stroke/service return 4. One-handed backhand ground stroke/service return 5. Two-handed backhand ground stroke/service return 6. Forehand volley 7. One-handed backhand volley 8. Two-handed backhand volley 9. Serve 10. Overhead stroke (other than serve)	2014/15-present

			11. Warm-up 12. other, please describe briefly	
If other, please describe	Open text	Q618		2014/15-present
During what type of play/practice did injury occur?	Categorical	Q619	1. competition singles play 2. competition doubles play 3. singles play during practice 4. doubles play during practice 5. skills drills during practice (including conditioning) 6. other, please specify	2014/15-present
If other, please describe	Open text	Q620		2014/15-present
At what point in the competition did the injury occur?	Categorical	Q621	1. warm-up 2. first set 3. second set 4. third set 5. other, please specify	2014/15-present
If other, please describe	Open text	Q622	a.	2014/15-present
Where on the court did the injury occur?	Categorical	Q623	6. in front of service line 7. between service line and baseline 8. out of bounds 9. other, please specify	2014/15-present
If other, please describe	Open text			2014/15-present