**National High School Sports-Related Injury Surveillance Study**

**Codebook**

**2005/06 – 2019/20**

**Administrative:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Description | Type | Variable Name | Options | Years Collected |
| Year | Categorical | Year | 1. 2005-06
2. 2006-07
3. 2007-08
4. 2008-09
5. 2009-10
6. 2010-11
7. 2011-12
8. 2012-13
9. 2013-14
10. 2014-15
11. 2015-16
12. 2016-17
13. 2017-18
14. 2018-19
15. 2019-20
 | 2005/06-present |
| RegID | Categorical | regID |  |
| Strata | Categorical | Strata | 1. NE big
2. NE small
3. MW big
4. MW small
5. South big
6. South small
7. West big
8. West small
 |
| Study | Categorical | Study | 1. Original
2. Convenience
 |
| Nationalweight | Continuous | nationalweight |  |

**Athlete Demographics:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Description | Type | Variable Name | Options | Years Collected |
| Injured Player ID Code (Unique to each player) \*not distributed  | Open Text | Athlete\_UID |  | 2005/06-present |
| Injured Athlete’s Year in School | Categorical | Class\_Year | 1. FR
2. SO
3. JR
4. SR
 | 2005/06-present |
| 1. Other
 | 2019/20-present |
| Open Text | Class\_Year\_Other | If other, please describe | 2014/15-present |
| Age of Athlete | Continuous | Age |  | 2005/06-present |
| Athletes Height (inches) | Continuous | Height |  | 2005/06-present |
| Injured Athletes Weight | Continuous | Weight |  | 2005/06-present |
| Date of injury \*not distributed | Continuous | Event\_Date |  | 2005/06-present |
| Sex of athlete | Categorical  | Sex | 1. Male
2. Female
 | 2009/10-present |
| Sport Athlete was participating in | Categorical  | Sport | 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 |
| 1. Girls field hockey
 | 2008/09-present |
| 1. Girls gymnastics
 | 2008/09-2011/12 |
| 1. Boys ice hockey
2. Boys lacrosse
3. Girls lacrosse
4. Boys swimming/diving
5. Girls swimming/diving
6. Boys track and field
7. Girls track and field
 | 2008/09-present |
| 1. Boys volleyball
 | 2009/10-2011/12 |
| 1. Cheerleading
2. Other
 | 2009/10-present |
| Categorical  | Sport | 1. Boys cross country
2. Girls cross country
 | 2012/13-present |
| 1. Boys tennis
2. Girls tennis
 | 2014/15-2017/18  |
| Open Text  | Sport\_Other | If other, please describe | 2009/10-present  |
| Has the athlete played the same sport outside of the school setting in the past year | Categorical | Pastyear\_Outside\_School | 1. Yes
2. No
3. Unknown
 | 2008/09-present  |
| Was the athlete currently playing the same sport outside of the school setting | Categorical | Currentyear\_Outside\_School | 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 | TL\_Outside\_School | 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  | Months\_Outside\_School | 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 |
| 1. Unknown
 | 2016/17-present  |
| Is there any other information about this injury you would like researchers to be aware of? | Open Text | Other\_Info |  | 2016/17-present |

**Injury Information:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Description | Type | Variable Name | Options | Years Collected |
| Principal Body Part Injured  | Categorical | BodyPart\_or\_System\_Code | 1. Head/face
2. Eye(s)
3. Ear(s)
4. Nose
 | 2005/06-present |
| 1. Mouth
2. Teeth
 | 2005/06-2007/08 |
| 1. Neck/cervical spine
2. Shoulder
3. Upper arm
4. Elbow
5. Forearm
6. Wrist
7. Hand/finger/thumb
8. Chest/t-spine/ribs
9. Abdomen
10. Lower back/l-spine/pelvis
11. Hip
12. Thigh/upper leg
13. Knee
14. Lower leg
15. Ankle
16. Foot/toe
17. Other
 | 2005/06-present |
| 1. Mouth/teeth
2. Clavicle/collar bone
 | 2008/09-present |
| 1. Male Genitalia
 | 2012/13-present |
| Open text (if body part injured is other) | BodyPart\_or\_System\_Code\_Desc | If other, please describe | 2005/06-present |
| Check all that apply (if body part injured is eye) | Eye\_Corneal\_Abrasion | Corneal abrasion | 2009/10-present |
| Eye\_Corneal\_Laceration  | Laceration of the cornea/sclera |
| Eye\_PeriOrbital\_Contusion | Periorbital contusion |
| Eye\_Ruptured\_Globe | Ruptured globe(eyeball) |
| Eye\_Retinal\_Detachment | Retinal detachment |
| Eye\_Eyebrow\_Lid\_Laceration | Laceration of the eyebrow/eyelid |
| Eye\_Blind | Legal blindness |
| Eye\_Removal | Enucleation (removal of eye ball) |
| Check all that apply (if body part injured is shoulder) | GHJ\_Labrum | Labrum | 2016/17-present |
| GHJ\_Biceps | Biceps |
| GHJ\_RC | Rotator Cuff |
| GHJ\_Deltoid | Deltoid |
| GHJ\_ACJ | Acromioclavicular (AC) Joint |
| GHJ\_Other | Other |
| GHJ\_NA | N/A (i.e., fracture, infection, etc.) |
| Open Text (if body part injured is shoulder) | GHJ\_Other\_Desc | If other, please describe | 2016/17-present |
| Check all that apply (if body part injured is elbow) | Elbow\_UCL | Ulnar Collateral Ligament | 2016/17-present |
| Elbow\_RCL | Radial Collateral Ligament |
| Elbow\_Triceps\_Tendon | Triceps Tendon |
| Elbow\_Other  | Other |
| Elbow\_NA | N/A (i.e., fracture, infection, etc.) |
| Open Text (if body part injured is elbow) | Elbow\_Other\_Desc | If other, please describe |
| Check all that apply (if body part injured is knee) | Knee\_LCL | Lateral Collateral Ligament | 2007/08-present |
| Knee\_MCL | Medial Collateral Ligament |
| Knee\_ACL | Anterior Cruciate Ligament |
| Knee\_PCL | Posterior Cruciate Ligament |
| Knee\_OCD | Torn Cartilage |
| Knee\_PFJ | Patella and/or patellar tendon |
| Knee\_Other | Other |
| Knee\_NA | N/A (i.e. fracture, infection, etc.) | 2016/17-present  |
| Open Text (if body part injured is knee) | Knee\_Other\_Desc | If other, please describe | 2007/08-present |
| Check all that apply (if body part injured is ankle) | Ankle\_ATFL | Anterior talofibular ligament | 2007/08-present |
| Ankle\_ATibFibL | Anterior tibiofibular ligament |
| Ankle\_PTFL | Posterior talofibular ligament |
| Ankle\_PTibFibL | Posterior tibiofibular ligament |
| Ankle\_CFL | Calcaneofibular ligament |
| Ankle\_DeltL | Deltoid ligament |
| Ankle\_Other | Other |
| Categorical (if body part injured is ankle) | Ankle\_NA | N/A (i.e. fracture, infection, etc.) | 2016/17-present  |
| Open Text (if body part injured is ankle) | Ankle\_Other\_Desc | If other, please describe | 2007/08-present |
| Check all that apply (if body part injured is male genitalia) | MG\_Testicular | Testicular | 2012/13-present |
| MG\_Scrotum | Scrotum |
| MG\_Penile | Penile |
| MG\_Other | Other |
| Open Text (if body part injured is male genitalia) | MG\_Other\_Desc | If other, please describe |
| Was athlete wearing a mouth guard at time of injury | Categorical  | Mouth\_Guard | 1. No
2. Yes, self-fitted
3. Yes, professionally fitted
4. Unknown
 | 2006/07-present |
| Was the athlete wearing eye protection at the time of injury | Categorical | Eye\_Protection | 1. No
2. Yes, off the shelf
3. Yes, prescription/custom fit
4. Unknown
 | 2008/09-present  |
| What type of eye protection was the athlete wearing at the time of injury | Categorical | Eye\_Protection\_Type | 1. Glasses
2. Sunglasses
3. Sport goggles
4. Face shield
5. Unknown
6. Other
 | 2010/11-present |
| Open Text  | Eye\_Protection\_Type\_Desc | If other, please specify |
| Was the athlete wearing any type of eyewear | Categorical | Eye\_Wear | 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
 | 2015/16-present  |
| 1. Unknown
 | 2016/17-present |
| Open Text  | Eye\_Wear\_Desc | If other, please describe | 2015/16-present |
| Was the athlete wearing a brace at the time of injury | Categorical | Brace | 1. Yes
2. No
3. Unknown
 | 2008/09-present |
| Type of brace athlete was wearing | Categorical | Brace\_Type | 1. Lace up
2. Ridged frame
3. Neoprene/sleeve
4. Other
 | 2008/09-present |
| 1. Unknown
 | 2016/17-present |
| Open text | Brace\_Desc | Describe Knee or Ankle brace | 2008/09-present |
| Was the joint taped (if body part was knee or ankle?) | Categorical | Tape | 1. Yes
2. No
3. Unknown
 | 2008/09-present |
| Who applied the tape | Categorical | Tape\_Application | 1. AT
2. Coach
3. Athlete
4. Parent

5. Other | 2008/09- present |
| 6. Unknown  | 2016/17-present  |
| Open Text  | Tape\_Application\_Other | If other, describe who applied the tape | 2008/09- present |
| Was the athlete wearing a protective cup? (if male genitalia and male sport) | Categorical | MG\_Cup | 1. Yes
2. No
3. Unknown
 | 2012/13-present |
| Side of body injured | Categorical | Side | 1. Right
2. Left
3. Middle
4. N/A
 | 2006/07-present |
| 1. Bilateral
 | 2009/10-present |
| 1. Unknown
 | 2016/17-present  |
| Primary Type of Injury  | Categorical | Injury\_or\_Illness\_Code | 1. Abrasion
2. Blister
3. Burn
4. Bursitis
5. Concussion
6. Contusion
 | 2005/06-present |
| 1. Dehydration
 | 2005/06-2011/12 |
| 1. Dislocation
2. Fracture
 | 2005/06-present |
| 1. Heatstroke/heat exhaustion
 | 2005/06-2011/12 |
| 1. Hemorrhage
 | 2005/06-2007/08 |
| 1. Hernia
2. Hyperextension
 | 2005/06-present |
| 1. Infection (including skin infection)
 | 2005/06-2008/09 |
| 1. Inflammation
 | 2005/06-2007/08 |
| 1. Internal injury (non-hemorrhage)
2. Laceration
 | 2005/06-present |
| 1. Ligament sprain (complete tear)
2. Ligament sprain (incomplete tear)
3. Muscle strain (complete tear)
4. Muscle Strain (incomplete tear)
 | 2005/06-2008/09 |
| 1. Nerve injury
2. Separation
3. Stress fracture
4. Tendonitis
 | 2005/06-present |
| 1. Tendon strain (complete tear)
2. Tendon strain (incomplete tear)
 | 2005/06-2008/09 |
| 1. Torn cartilage
2. Other
3. Avulsion
 | 2005/06-present |
| 1. Frostbite/cold related
 | 2008/09-present |
| 1. Ligament sprain, severity unknown
2. Muscle strain, severity unknown
3. Tendon strain, severity unknown
 | 2007/08-2008/09 |
| 1. Multiple injuries
 | 2005/06-2008/09 |
| 1. Subluxation
 | 2005/06-present |
| 1. Skin infection
 | 2007/08-present |
| 1. Infection (other than skin)
 | 2009/10-present |
| 1. Ligament sprain
2. Muscle strain
3. Tendon strain
 | 2009/10-present |
| 1. Cardiac event (acute)
2. Chronic disease/trait (diabetes, sickle cell)
3. Respiratory event (Acute)
 | 2010/11-present  |
| 1. Apophysitis
2. Plantar fasciitis
3. Shin splints
4. Spondylolysis
 | 2011/12-present |
| 1. Heat illness/injury
 | 2012/13-present  |
| 1. Mental health concern
 | 2015/16-present |
| Open Text (if type of injury is other) | Injury\_or\_Illness\_Code\_Desc | If other, describe briefly | 2010/11-present |
| Check all that apply (if type of injury is internal injury) | Internal\_Spleen | Spleen | 2016/17-present |
| Internal\_Kidney | Kidney |
| Internal\_Liver | Liver |
| Internal\_Intestinal | Intestinal Injury |
| Internal\_Ribs | Ribs |
| Internal\_Lungs | Lungs |
| Internal\_Heart | Heart |
| Internal\_Spine | Spine |
| Internal\_SCI | Spinal Cord |
| Internal\_Other | Other |
| Open Text (if type of injury is internal injury) | Internal\_Other\_Desc | If other internal injury, please describe |
| Open Text (if type of injury is infection (other than skin infection) | Illness\_Infection\_Desc | If illness/infection, please describe briefly: | 2016/17-present |
| Open Text (if type of injury is cardiac event) | Cardiac\_Desc | If cardiac event (acute), describe briefly: | 2010/11-present  |
| Open Text (if type of injury is chronic disease/trait) | Chronic\_Desc | If chronic disease/trait (i.e., diabetes, sickle cell trait, etc.), describe briefly: | 2010/11-present  |
| Open Text (if type of injury is respiratory event) | Respiratory\_Desc | If respiratory event (acute) (i.e., asthma attack, etc.), describe briefly | 2010/11-present  |
| Categorical (if type of injury is heat illness/injury) | Heat\_Illness | 1. Heat Stroke
2. Heat exhaustion
3. Heat syncope
4. Heat-related cramps
5. Other
 | 2012/13-present |
| Open Text (if type of injury is heat illness/injury) | Heat\_Illness\_Desc | If other heat illness/injury, describe briefly | 2012/13-present |
| Open Text (if type of injury is mental health concern) | Mental\_Desc | If mental health concern, describe briefly: | 2015/16-present |
| Ligament tear severity  | Categorical | Ligament\_Tear\_Severity | 1. Complete
2. Incomplete
3. No tear
 | 2007/08-present |
| Muscle tear severity | Categorical | Muscle\_Tear\_Severity | 1. Complete
2. Incomplete
3. No tear
 | 2007/08-present |
| Tendon tear severity  | Categorical | Tendon\_Tear\_Severity | 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) | Categorical | Additional\_Inj | 1. No
2. Yes, describe briefly
 | 2014/15-present  |
| 1. Unknown
 | 2016/17-present |
| Open text  | Additional\_Inj\_Desc | If yes, please describe briefly | 2014/15-present  |
| Where did the injury occur (if heat illness/injury) | Categorical  | Heat\_Location | 1. Indoors
2. Outdoors
3. Unknown
 | 2009/10-present |
| What was the temperature of practice/competition location when the heat illness/injury occurred  | Categorical | Heat\_Temp | 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
8. Unknown
 | 2012/13-present |
| What was the on-site wet globe temperature (WBGT) of practice/competition when heat illness occurred | Categorical | Heat\_WBGT\_1213 | 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  |
| If the injury was an exertional heat illness, what was the on-site wet globe temperature (WBGT) of practice/competition when heat illness occurred? | Categorical  | Heat\_WBGT\_1819 | 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
 | 2018/19 |
| Do you know the on-site relative humidity of practice/competition when the heat illness/injury occurred | Categorical | Heat\_Humidity\_Known | 1. Yes, please report humidity
2. No
 | 2012/13-present |
| Open text  | Heat\_Humidity | What was the on-site relative humidity of the practice/completion where the injury occurred? |
| What aid did the athlete receive (if injury is heat illness) | Check all that apply | Heat\_Intv\_Removed | Athlete removed from play | 2012/13-present |
| Heat\_Intv\_Shade | Athlete moved to shade |
| Heat\_Intv\_Oral\_Fluids | Given fluids via. Mouth |
| Heat\_Intv\_IV\_Fluids | Given IV fluids |
| Heat\_Intv\_Equipment\_Removed | Equipment removed |
| Heat\_Intv\_Clothing\_Removed | Clothing removed |
| Heat\_Intv\_Towels\_Ice | Cooled by wet towels/ice bags |
| Heat\_Intv\_Immersion | Cooled by ice bath/cold-water immersion |
| Heat\_Intv\_Fans | Cooled by fans |
| Heat\_Intv\_AC | Athlete taken into air conditioning |
| Heat\_Inv\_Hospital | Athlete transported to hospital by EMS/other transport |
| Heat\_Intv\_None | Athlete received no aid related to heat illness |
| Heat\_Intv\_Other | Other  |
| Open Text  | Heat\_Intv\_Other\_Desc | If other, describe briefly | 2012/13-present  |
| Who initially provided care to the athlete | Categorical   | Heat\_Assessment\_Initial | 1. AT present at the onset/time of heat illness/injury
2. AT not present at the onset/time of heat illness/injury
3. Coach present at the onset/time of heat illness/injury
4. Physician present at the onset/time of heat illness/injury
5. Physician not present at the onset/time of heat illness/injury
6. EMS
7. Other
 | 2012/13-present |
| 1. Unknown
 | 2016/17-present  |
| Open text | Heat\_Assessment\_Initial\_Desc | If other, describe briefly | 2012/13-present |
| Who provided any care to the athlete from onset of heat illness/injury through recovery? | Check all that apply | Heat\_Assessment\_ATC | AT present at the onset/time of heat illness/injury |  |
| Heat\_Assessment\_No\_ATC | AT not present at the onset/time of heat illness/injury |  |
| Heat\_Assessment\_Coach | Coach present at the onset/time of heat illness/injury |  |
| Heat\_Assessment\_MDDO | Physician present at the onset/time of heat illness/injury |  |
| Heat\_Assessment\_No\_MDDO | Physician not present at the onset/time of heat illness/injury |  |
| Heat\_Assessment\_EMS | EMS |  |
| Heat\_Assessment\_Other | Other |  |
| Heat\_Assessment\_Unknown | Unknown |  |
| Open text | Heat\_Assessment\_Desc | If other, describe briefly |  |
| Type of skin infection (if injury type is skin infection) | Categorical | Skin\_Infection | 1. Bacterial infection
2. Herpetic lesions
3. Tinea lesions
4. Other
5. Scabies, head lice
6. Conjunctivitis(pink eye)
7. Molluscum Contagiosum
8. Unknown
 | 2009/10-present |
| Open text | Skin\_Infection\_Desc | If other, please describe |
| Area of thigh/upper leg injured (if thigh/upper leg sprain/strain) | Categorical | BodyPart\_Thigh | 1. Quadricep
2. Hamstring
3. Other
 | 2011/12-present |
| 1. Unknown
 | 2016/17-present |
| Open text | BodyPart\_Thigh\_Desc | If other, describe briefly | 2011/12-present |
| Has the athlete had a prior bone injury (if stress fracture)  | Check all that apply  | Fx\_SameTime | Yes, fracture at same time  | 2008/09-present  |
| Fx\_DiffTime | Yes, fracture at different time  |
| Fx\_SameSite | Yes, stress fracture at same site |
| Fx\_DiffSite | Yes, stress fracture at different site |
| Fx\_No | No |
| Fx\_Unknown | Unknown |
| Concussion Symptoms | Check all that apply  | C\_Amnesia  | Amnesia | 2005/06-present |
| C\_Concentration | Concentration difficulty |
| C\_Confused | Confusion/disorientation |
| C\_Dizziness | Dizziness/unsteadiness |
| C\_Drowsy | Drowsiness |
| C\_Headace | Headache |
| C\_Hyperexcite | Hyper Excitability |
| C\_Irritable | Irritability |
| C\_Unconscious | Loss of consciousness |
| C\_Nausea | Nausea |
| C\_Tinnitus | Tinnitus |
| C\_Sensitive\_Light | Sensitivity to light |
| C\_Sensitive\_Noise | Sensitivity to noise |
| C\_Other\_Symptoms | Other Symptoms |
| C\_Think\_Clear | Fogginess | 2015/16-present |
| Open text  | C\_Other\_Desc | Describe symptoms |  |
| Where did loss of consciousness occur | Categorical  | C\_Unconscious\_Location | 1. On playing field/court
2. On bench/sideline
3. In the locker room
4. Other
 | 2009/10-present |
| 1. Unknown
 | 2016/17-present |
| Open Text  | C\_Unconscious\_Location\_Desc | If other, please describe | 2009/10-present |
| Did a physician utilize tele-medicine in the diagnosis or care of this concussion (including decision to return to play)? | Categorical | C\_TeleMed | 1. Yes
2. No
3. Unknown
 | 2015/16-present |
| Length of time until all concussion symptoms resolution time | Categorical  | C\_Concussion\_Time | 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 |
| 1. 1 day to 3 days
2. 4 days to 6 days
3. 1 week to 1 month
4. More than 1 month
 | 2005/06-2010/11 |
| 1. 1 day to 2 days
2. 3 days to 6 days
3. 7 days to 9 days
4. 10 days to 21 days
5. 22 days or more
 | 2011/12-present  |
| Who removed athlete from play (if concussion) | Categorical  | C\_Assessment | 1. Certified athletic trainer
2. Other appropriate healthcare professional
3. Coach
4. Official
5. Parent
6. Athlete
7. Other
 | 2010/11-present |
| 1. N/A- athlete completed activity
 | 2010/11-present |
| 1. Unknown
 | 2016/17-present  |
| Open Text | C\_Assessment\_Desc | If other, please specify | 2009/10-present  |
| What post-concussion evaluations were conducted? | Check all that apply | C\_Eval\_Symptom\_Check | Symptomology checklist | 2010/11-present  |
| Open Text | C\_Eval\_Symptom\_Check\_Desc | If symptomology checklist, please specify |
| Check all that apply | C\_Eval\_StdAssess | Standard Assessment |
| Open Text | C\_Eval\_StdAsses\_Desc | If standard assessment, please specify |
| Check all that apply | C\_Eval\_Comp\_Neuro\_Psych | Computerized neuropsychological testing  |
| Open Text | C\_Eval\_Comp\_Neuro\_Psych\_Desc | If computerized neuropsychological testing, please specify |
| Check all that apply | C\_Eval\_Balance | Balance testing |
| Open Text | C\_Eval\_Balance\_Desc | If balance testing, please specify |
| Check all that apply  | C\_Eval\_Unkwn | Unknown |
| C\_Eval\_None | None |
| C\_Eval\_Other | Other  |
| Open text  | C\_Eval\_Desc | If other, describe briefly |
| Did injury require surgery | Categorical | Surgery | 1. Yes
 | 2005/06-2008/09 |
| 1. No
 | 2005/06-present  |
| 1. Yes, injury was repaired with surgery prior to athlete’s return to play
2. Yes, but athlete postponed surgery to continue to play
 | 2008/09-present |
| Injury was assessed by: | Check all that apply | Assessment\_ATC | Certified Athletic trainer | 2005/06-present |
| Assessment\_MDDO | Physician/pediatrician |
| Assessment\_DDS | Dentist/oral surgeon |
| Assessment\_NP | Nurse practitioner |
| Assessment\_PAC | Physician’s assistant |
| Assessment\_Other | Other |
| Assessment\_Ortho\_MDDO | Orthopedic physician | 2008/09-present  |
| Assessment\_DC | Chiropractor |
| Assessment\_Neuro | Neurologist/neuropsychologist | 2010/11-present  |
| Open text | Assessment\_Desc | If other, describe who assessed injury | 2005/06-present |
| Post-initial injury assessment, injury was managed by and/or athlete was assessed by  | Check all that apply | Managed\_ATC | Certified athletic trainer | 2014/15-present |
| Managed\_MDDO | General physician-pediatrician |
| Managed\_OrthoMDDO | Orthopedic physician/sports medicine physician |
| Managed\_DC | Chiropractor |
| Managed\_DDS | Dentist/oral surgeon |
| Managed\_NP | Nurse practitioner |
| Managed\_PAC | Physician’s assistant |
| Managed\_Neuro | Neurologist/neuropsychologist/neurosurgeon |
| Managed\_Other | Other |
| Open text | Managed\_Desc | If other, describe briefly |
| Assessment method  | Check all that apply | Assessment\_Method\_PE | Evaluation  | 2005/06-present |
| Assessment\_Method\_XR | X-ray |
| Assessent\_Method\_MRI | MRI |
| Assessment\_Method\_CT | CT-Scan |
| Assessment\_Method\_Surgery | Surgery |
| Assessment\_Method\_Blood\_Work | Blood work/lab test |
| Assessment\_Method\_Other | Other |
| Open text | Assessment\_Method\_Desc | If other, describe Assessment method |
| If Was a medical professional on site when injury occurred | Check all that apply | Resond\_ATC | Yes, I was on site  | 2008/09-present  |
| Respond\_MD | Yes, a physician was on site | 2008/09-2013/14 |
| Respond\_Other | Yes, some other medical personnel (e.g., ATC, nurse practitioner, etc.) was on site | 2009/10-present |
| Respond\_No | No |
| Respond\_Unknown | Unknown |
| Respond\_School\_ATC | Yes, another AT from our school was on site | 2014/15-present |
| Respond\_Other\_ATC | Yes, an AT from another school was on-site |
| Open text  | Respond\_Other\_Desc | If some other medical personnel, describe briefly | 2009/10-present |
| New or Recurrent Injury | Categorical | New\_Recurrent | 1. New injury
 | 2005/06-present  |
| 1. Recent recurrence (this academic year)
 | 2005/06-2014/15 |
| 1. Prior recurrence (prior to this academic year)
2. Other
 | 2005/06-present  |
| 1. Recurrent injury this season from this sport
2. Recurrent injury this season from another HS sanctioned sport
3. Recurrent injury this season from a sport not sanctioned by HS (i.e. club, all-star, travel team, etc.)
4. Recurrent injury from a non-sport mechanism that occurred this season
5. Recurrent injury from this academic year but not during this sports season
 | 2015/16-present  |
| 1. Unknown
 | 2016/17-present  |
| Open Text | New\_Recurrent\_Desc | If other, describe briefly | 2005/06-present |
| Rehabilitation from previous injury | Categorical | Rehab | 1. Yes
2. No
3. Unknown
 | 2007/08-present |
| Open Text  | Rehab\_Desc | If yes, describe briefly: |
| Outcome | Categorical | Outcome | 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
 | 2005/06-present |
| 1. Returned to activity in less than 1 day (should only be chosen for fractures, concussions, dental injuries, and/or heat illnesses/injuries)
 | 2007/08-present  |
| 1. Season ended before athlete returned to activity
 | 2005/06-present |
| Open text | Outcome\_Desc | If other, please describe |
| 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 | RTP\_Clearance | 1. Certified athletic trainer
2. Physician
3. Coach
4. Parent
5. Athlete
6. Unknown
7. Other
 | 2009/10-present |
| Open text  | RTP\_Clearance\_Desc | If other, describe briefly |
| Who made the decision to medically disqualify the athlete | Categorical | MDQ | 1. Certified athletic trainer
2. Physician
3. Coach
4. Unknown
5. Other
 | 2016/17-present |
| Open text | MDQ\_Desc | If other, describe briefly |
| Why did athlete choose not to continue? | Check all that apply | Outcome\_Reason\_Parent | Parent/guardian made the athlete quit | 2016/17-present |
| Outcome\_Reason\_Athlete | Athlete no longer wanted to play this sport |
| Outcome\_Reason\_Fear | Athlete feared additional injury/re-injury |
| Outcome\_Reason\_Coach | Coach did not want athlete to continue due to fear of additional injury |
| Outcome\_Reason\_Unknown | Unknown |
| Outcome\_Reason\_Other | Other |
| Open text | Outcome\_Reason\_Desc | If other, describe briefly |
| In your professional opinion, do you believe the athlete returned to play before being fully recovered?  | Categorical | RTP\_too\_soon | 1. Yes
2. No
 | 2008/09-present |
| 1. Unknown
 | 2016/17-present |
| In your professional opinion, how long would it have taken the athlete to return to play if the season had not ended | Categorical  | RTP\_Time\_Opinion | 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 |
| 6. <1 week 7. 1-3 weeks8. 3+ weeks 9. Unknown  | 2016/17-present  |
| Has player had an unrelated injury reported this season | Categorical | Athlete\_Unrelated | 1. Yes
2. No
 | 2005/06-present |
| 1. Unknown
 | 2016/17-present  |
| As a result of the injury, did athlete receive emergency care from any of the following | Check all that apply | EMC\_EMS | Ambulance crew at site of competition | 2016/17-present |
| EMC\_ED\_DoI | Emergency Department visit on day of injury |
| EMC\_ED\_PostDoI | Emergency Department visit at least one day after injury |
| EMC\_UC\_DoI | Urgent Care visit on day of injury |
| EMC\_UC\_PostDoI | Urgent Care visit at least one day after injury |
| EMC\_NA | N/A (no emergency care provided for this injury) |
| EMC\_Unknown | Unknown |
| EMC\_Other | Other |
| Open text | EMC\_Desc | If other, describe briefly |
| Is the athlete part of the sub study?Can Anthropometric Measurements Explain Gender Differences in concussion rates among high school baseball, soccer and lacrosse | Categorical | Substudy | 1. Yes
2. No
 | 2010/11-2011/12 |
| Open text | Substudy\_anthro\_UID | What is the athlete’s study ID? |
| Is this athlete part of the substudy "Functional Pre-Participation Physical Evaluation F-PPE project | Check all that apply | Substudy\_FxnlPPE | 1. Yes
2. No
 | 2012/13-present  |
| Open text | Substudy\_FxnlPPE\_UID | What is the athlete’s study ID?  |
| Is the athlete part of the substudy using the Spotlight RIO Concussion App? | Check all that apply | Substudy\_Spotlight | 1. No
 | 2014/15-2015/16 |
| 1. Yes
 | 2014/15 |
| 1. Yes, our team was assigned to use the Spot Light App in addition to reporting in RIO
2. Yes, our team was assigned to only report concussions in RIO
 | 2015/16 |
| Open text | Substudy\_Spotlight\_UID | What is the athlete’s study ID? | 2014/15-2015/16 |

**Injury Event Information:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Description | Type | Variable Name | Options | Years Collected |
| Level of Play | Categorical | Level\_of\_Play | 1. Varsity
2. JV
3. Freshman
4. Combined (practice/competition)
5. Other
 | 2006/07-present |
| 1. Unknown
 | 2016/17-present  |
| Open Text | Level\_of\_Play\_Desc | If other, describe briefly | 2006/07-present |
| Type of Exposure | Categorical  | Event\_Type | 1. Competition
2. Practice
 | 2005/06-present |
| 1. Other training
 |
| 1. Performance (cheerleading only)
 | 2009/10-present  |
| Open text | Event\_Type\_Desc | If other, describe briefly  | 2005/06-present |
| Injured occurred during | Categorical  | Season | 1. Preseason
2. Regular season
3. Postseason
 | 2005/06-present |
| 4. Unknown | 2016/17-present |
| 5. Other (spring football, summer baseball, school sanctioned summer camp, etc) | 2018/19 |
| Open text | Season\_Desc | If other time in season (spring football, summer baseball, school sanctioned summer camp, etc), please describe  | 2018/19 |
| Site of competition/performance | Categorical | Event\_Location | 1. Home
2. Away
3. Neutral Site
 | 2005/06-present |
| 1. Unknown
 | 2016/17-present  |
| Time of injury during practice | Categorical | Segevent\_Prac | 1. First ½ hour
2. Second ½ hour
 | 2005/06-present |
| 1. Third ½ hour
2. Fourth ½ hour
 | 2005/06-2007/08 |
| 1. >2 hours into practice
 | 2005/06-2008/09 |
| 1. 1-2 hours into practice
 | 2008/09-present  |
| 1. >2 hours into practice
 | 2009/10-present  |
| 1. Unknown
 | 2016/17-present |
| Basic Injury Mechanism | Categorical | Basic\_Mechanism | 1. Contact with another person
2. Contact with playing surface
3. Contact with playing apparatus
 | 2005/06-present |
| 1. Contact with out of bounds object
 | 2005/06-2012/13 |
| 1. Acute no contact (e.g., pulled muscle, rotation around a planted foot, etc.)
2. Overuse/chronic
3. Illness (e.g., heat illness, skin infection, asthma, etc.)
4. Other
 | 2005/06-present |
| 1. Unknown
 | 2016/17-present |
|  | Open Text | Basic\_Mechanism\_Desc | 1. If other, describe briefly
 | 2005/06-present |
| Type of contact that occurred during the injury (If head/face and injury mechanism is contact with another player) | Categorical  | Head\_Contact\_Type | 1. Head to head
2. Head to other body site
3. Head to playing surface following contact
 | 2008/09-present |
| 1. Unknown
 | 2016/17-present  |
| Position of head during contact | Categorical  | Head\_Position  | 1. Head up
2. Head down
3. No flexion
4. Other
5. Unknown
 | 2008/09-present |
| Open Text | Head\_Position\_Desc | If other, describe briefly |
| Direction/location of impact | Categorical | Impact\_Direction | 1. Front
2. Back
3. Side
4. Top
5. Unknown
 | 2008/09-present |
| Did the athlete see the impact/blow coming | Categorical | Impact\_See\_Coming | 1. Yes
2. No
3. Unknown
 | 2009/10-present |
| Weather/Field Conditions | Categorical | Event\_Weather | 1. NA, injury occurred inside
2. No precipitation
3. Rain
4. Snow
5. No precipitation but wet/muddy
 | 2005/06-present |
| 1. Unknown
 | 2016/17-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 | Protective\_Equip | 1. Yes
2. No
 | 2005/06-present |
| 1. Unknown
 | 2006/07-present |
| Open Text | Protective\_Equip\_Desc | If yes, please describe the type of protective equipment that could have been used or used more appropriately | 2007/08-present  |
| Was the athlete wearing jewelry at the time of the injury?  | Categorical | Jewelry | 1. Yes, briefly describe jewelry athlete was wearing
2. No
3. Unknown
 | 2016/17-present |
| Open text | Jewelry\_Desc | What type of jewelry | 2018/19-present |

**Sport Specific Questions**

**Football**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Description | Type | Variable Name | Options | Years Collected |
| Playing Surface | Categorical | FB\_Surface | 1. Artificial- fill
2. Artificial no fill
3. Grass
 | 2005/06-present  |
| 1. Dirt/clay
2. Concrete
 | 2006/07-present  |
| 1. Indoors
 | 2005/06-present  |
| 1. Unknown
 | 2016/17-present  |
| Football Specific Injury Mechanism | Categorical | FB\_Specific\_Mechanism | 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  |
| 1. Contact with goal posts
2. Contact with seats/bleacher/table
3. Contact with yard marker
 | 2005/06-2007/08 |
| 1. Rotation around a planted foot/inversion
2. Uneven playing surface
 | 2006/07-present  |
| 1. N/A (overuse, heat, conditioning, etc)
2. Other
 | 2005/06-present |
| 1. Contact with goal posts/yard markers/seats/bleacher/table
 | 2008/09-present |
| 1. Unknown
 | 2016/17-present  |
|  | Open text | FB\_Specific\_Mechanism\_Desc | Other, describe briefly | 2005/06-present |
| Was the athlete injured during a tackle in which the opponent grasped the inside of the jersey collar/shoulder pad? | Categorical  | FB\_Horse\_Collar | 1. Yes
2. No
3. Unknown
 | 2009/10-2013/14 |
| Where did the opponent grasp the jersey collar/shoulder pad? | Categorical  | FB\_Horsecollar\_Location | 1. Back (horse collar)
2. Side (horse collar)
3. Front
4. Unknown
 | 2009/10-2013/14 |
| Was the tackle penalized? | Categorical  | FB\_Tackle\_Penalized | 1. Yes, horse collar
2. Yes, other personal foul
3. No
4. Unknown
 | 2009/10-2013/14 |
| Football activity  | Categorical  | FB\_Activity | 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. Kickoff coverage (regular)
11. Kickoff return (regular)
12. PAT/FG attempt
13. PAT/FG defense
14. General play
15. Conditioning
16. Other
17. Kickoff coverage (onside kick)
18. Kickoff return (onside kick)
 | 2005/06-present |
| 1. Unknown
 | 2016/17-present  |
| Open text  | FB\_Activity\_Desc | Other, describe briefly | 2005/06-present |
| What formation was used during kickoff  | Categorical  | FB\_Formation  | 1. Bunch kick up middle of field
2. Side line kick with overload
3. Unknown
4. Other
 | 2011/12-present  |
| Open Text  | FB\_Formation\_Desc | If other, describe briefly |
| Football Position | Categorical  | FB\_Position | 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  |
| 1. Kick returner
2. Punt returner
 | 2011/12-present |
| 1. Unknown
 | 2016/17-present  |
| Open text  | FB\_Position\_Desc | If other, describe briefly | 2005/06-present  |
| Field location | Categorical  | FB\_Location | 1. End zone
2. Red zone (20 yrd line to goal line)
3. Between the 20 year lines
4. Off the field
 | 2005/06-present  |
| 1. Unknown
 | 2016/17-present  |
| Time of injury during competition-football  | Categorical  | FB\_Segevent\_Comp  | 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  | FB\_Full\_Contact | 1. Yes, the athlete was injured during a full-contact activity
2. No, the athlete was no injured during a full-contact activity
3. Other
 | 2014/15-present  |
| 1. Unknown
 | 2016/17-present  |
| Open text | FB\_Full\_Contact\_Desc | If other, describe briefly | 2014/15-present |
| Football helmet manufacturer | Open text | FB\_Helmet\_Manufacturer | Helmet manufacturer (e.g., Riddell, Schutt, Adams) | 2008/09-present |
| Football helmet style | Open text | FB\_Helmet\_Style | Helmet style (e.g., Revolution, AiR XP, A2000) |
| Was the football helmet new this season | Categorical | FB\_Helmet\_New | 1. Yes
2. No
3. Unknown
 | 2008/09-present |
| Open text | FB\_Helmet\_Year | If no, year helmet was manufactured |
| Was the football helmet reconditioned | Categorical | FB\_Helmet\_Reconditioned | 1. Yes
 | 2008/09 |
| 1. No
2. Unknown
 | 2008/09-present |
| 1. Yes, this year
2. Yes, prior to this year
 | 2009/10-present  |
| Did the football helmet have a NOCSEA seal | Categorical | FB\_Helmet\_NOCSAE | 1. Yes
2. No
3. Unknown
 | 2008/09-present |
| Type of padding inside football helmet | Categorical | FB\_Helmet\_Padding | 1. Foam
2. Air
3. Gel
4. Other
5. Unknown
 | 2008/09-present |
| Open text | FB\_Helmet\_Padding\_Desc | If other, describe briefly |
| Who initially fitted the helmet to the athlete | Categorical | FB\_Helmet\_Fitting | 1. ATC
2. Coach
3. Company representative
4. Other adult
5. Athlete
6. Unknown
 | 2008/09-present |
| Open text | FB\_Helmet\_Fitting\_Desc | If other adult, describe briefly: |
| Was the football helmet modified | Categorical | FB\_Helmet\_Modified | 1. Yes
2. No
3. Unknown
 | 2008/09-present |
| Open text | FB\_Helmet\_Modified\_Desc | If yes, please briefly describe how helmet was modified: |
| In your opinion, did the football helmet fit correctly | Categorical | FB\_Helmet\_Correct\_Fit | 1. Yes
2. No
3. Unknown
 | 2008/09-present |
| Open text | FB\_Helmet\_Correct\_Fit\_Desc | If no, please briefly describe what was wrong (e.g., missing pads, too big/small, etc.) |
| Was there any damage to the football helmet? | Categorical | FB\_Helmet\_Damage | 1. Yes, prior to the injury
2. Yes, as a result of the injury
3. No
4. Unknown
 | 2008/09-present |
| Open text | FB\_Helmet\_Damage\_Prior\_Desc | If prior to the injury, please briefly describe the damage |
| Open text | FB\_Helmet\_Damage\_Result\_Desc | If as a result of the injury, please briefly describe the damage |
| Was the athlete wearing shoulder pads at the time of injury | Categorical | FB\_Shoulder\_Pad | 1. Yes
2. No
3. Unknown
 | 2008/09-present |
| Were the football shoulder pads appropriate for the athlete’s size and position? | Categorical | FB\_Shoulder\_Pad\_Fit | 1. Yes
2. No
3. Unknown
 | 2008/09-present |
| Open text | FB\_Shoulder\_Pad\_Fit\_Desc | If no, please briefly describe why they were not appropriate |
| Were any accessories added to the football shoulder pads? | Categorical | FB\_Shoulder\_Pad\_Add | 1. Yes
2. No
3. Unknown
 | 2008/09-present |
| Open text | FB\_Shoulder\_Pad\_Add\_Desc | If yes, please describe (e.g., neck roll, cowboy collar, etc.) |
| Was the athlete playing both ways | Categorical | FB\_Both\_Ways | 1. Yes
2. No
3. Unknown
 | 2018/19-present |

**Boy’s and Girls’ Soccer**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Description | Type  | Variable Name | Options | Years Collected |
| Soccer playing surface | Categorical  | SO\_Surface | 1. Artificial fill
2. Artificial no fill
3. Grass
 | 2005/06-present  |
| 1. Dirt/clay
2. Concrete
 | 2006/07-present  |
| 1. Indoors
 | 2005/06-present  |
| 1. Unknown
 | 2016/17-present  |
| Is the playing field surrounded by a running track? | Categorical  | SO\_Running\_Track | 1. Yes
2. No
3. Unknown
 | 2011/12-present  |
| Soccer specific mechanism | Categorical  | SO\_Specific\_Mechanism | 1. Contact with ball
2. Contact with goal
 | 2005/06-present |
| 1. Stepped on/fell on/kicked
2. Slide tackle
3. Contact with another player
 | 2006/07-present |
| 1. Heading
 | 2006/07 |
| 1. Rotation around a planted foot/inversion
2. Uneven playing surface
3. N/A (e.g., overuse, heat illness, conditioning, etc.)
 | 2006/07-present |
| 1. Other
 | 2005/06-present  |
| 1. Unknown
 | 2016/17-present  |
|  | Open text | SO\_Specific\_Mechanism\_Desc | If other, describe briefly | 2005/06-present |
| Soccer activity | Categorical  | SO\_Activity | 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
13. General play
14. Other
 | 2005/06-present  |
| 1. Unknown
 | 2016/17-present  |
| Open text | SO\_Activity\_Desc | If other, describe briefly | 2005/06-present |
| Soccer position | Categorical | SO\_Position | 1. Forward
2. Midfield
3. Defense
4. Goal keeper
5. Other
 | 2005/06-present |
| 1. Unknown
 | 2016/17-present  |
| Open text | SO\_Position\_Desc | If other, describe briefly | 2005/06-present  |
| Soccer field location | Categorical | SO\_Location | 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  |
| 1. Unknown
 | 2016/17-present  |
| Soccer time of injury during competition | Categorical | SO\_Segevent\_Comp | 1. Pre-competition
2. First half
3. Second half
4. Over time
 | 2008/09-present |
| 1. Unknown
 | 2016/17-present  |
| Was the soccer athlete wearing shin guards at the time of the injury? | Categorical | SO\_Shin\_Guards | 1. Yes
2. No
3. Unknown
 | 2008/09-present |
| Were the soccer shin guards an appropriate size and fit? | Categorical | SO\_Shin\_Guards\_Fit | 1. Yes
2. No
3. Unknown
 | 2008/09-present |
| Open text | SO\_Shin\_Guards\_Fit\_Desc | If no, please briefly explain (e.g., too small, worn too low, etc.) |
| Was the athlete wearing headgear (e.g. Protective headband, soft helmet, etc.) at the time of the injury? | Categorical | SO\_Headgear | 1. Yes
2. No
3. Unknown
 | 2011/12-present  |
| How many referees were presiding over the game? | Categorical | SO\_Num\_Refs | 1. 1
2. 2
3. 3
4. 4
5. Unknown
 | 2015/16-present |

**Boy’s and Girls’ Volleyball**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Description  | Type | Variable Name | Options | Years Collected |
| Volleyball playing surface | Categorical | VB\_Surface | 1. Artificial fill
 | 2005/06-2006/07 |
| 1. Synthetic
2. Wood
3. Other
 | 2005/06-present |
| 1. Unknown
 | 2016/17-present  |
| Open text | VB\_Surface\_Desc | If other, describe briefly | 2005/06-present |
| Volleyball specific mechanism | Categorical | VB\_Specific\_Mechanism | 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
9. Diving for ball
10. Jumping/landing
 | 2005/06-present  |
| 1. Rotation around planted foot/inversion
2. N/A, (e.g overuse/chronic)
3. Other
 | 2006/07-present  |
| 1. Contact with official
 | 2009/10-present  |
| 1. Unknown
 | 2016/17-present  |
| Open text | VB\_Specific\_Mechanism\_Desc | If other, describe briefly | 2005/06-present |
| What type of standard  | Categorical  | VB\_Standard | 1. Permanent
2. Temporary
3. Unknown
 | 2009-present  |
| Volleyball Activity | Categorical | VB\_Activity | 1. Serving
2. Passing
3. Spiking
4. Blocking
5. Setting
6. Digging
7. Conditioning
8. General play
9. Other
 | 2005/06-present  |
| 1. Unknown
 | 2016/17-present  |
| Open text | VB\_Activity\_Desc | If other, describe briefly | 2005/06-present |
| Volleyball Position | Categorical | VB\_Position | 1. Libero
2. Outside hitter
3. Setter
4. Middle blocker
5. Opposite/diagonal player
6. Other
 | 2005/06-present |
| 1. Unknown
 | 2016/17-present  |
| Open text | VB\_Position\_Desc | If other, describe briefly | 2005/06-present |
| Volleyball court location | Categorical | VB\_Location | 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. Outside the playable area/off the court
 | 2005/06-present |
| 1. At the net
 | 2010/11-present  |
| 1. Unknown
 | 2016/17-present  |
| Was the athlete across the center line  | Categorical | VB\_Center\_Line | 1. Yes
2. No
3. Unknown
 | 2011/12-present  |
| Volleyball time of injury during competition | Categorical | VB\_Segevent\_Comp | 1. Pre-competition/warm ups
 | 2008/09-present |
| 1. First game
2. Second game
3. Third game
 | 2008/09-2010/11 |
| 1. Fourth game
2. Fifth game
 | 2009/10-2010/11 |
| 1. First set
2. Second set
3. Third set
4. Fourth set
5. Fifth set
 | 2011/12-present  |
| 1. Unknown
 | 2016/17-present |

**Basketball**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Description  | Type | Variable Name | Options | Years Collected |
| Basketball playing surface | Categorical | BB\_Surface | 1. Synthetic
2. Wood
3. Other
 | 2005/06-present  |
| 1. Unknown
 | 2016/17-present  |
| Open text | BB\_Surface\_Desc | If other, describe briefly | 2005/06-present |
| Basketball specific mechanism | Categorical | BB\_Specific\_Mechanism | 1. Contact with ball
2. Contact with rim
3. Contact with backboard
4. Contact with standards
5. Contact with seats/bleachers/table
6. Stepped on/fell on/kicked
7. Collisions with another player
8. Jumping/landing
 | 2005/06-present |
| 1. Rotation around a planted foot/inversion
 | 2006/07-present |
| 1. N/A (e.g., overuse, heat illness, conditioning, etc.)
2. Other
 | 2005/06-present |
| 1. Unknown
 | 2016/17-present  |
| Open text | BB\_Specific\_Mechanism\_Desc | If other, describe briefly | 2005/06-present |
| Basketball activity | Categorical  | BB\_Activity | 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 |
| 1. Unknown
 | 2016/17-present  |
| Open text | BB\_Activity\_Desc | If other, describe briefly | 2005/06-present |
| Basketball position | Categorical | BB\_Position | 1. Center
2. Forward
3. Guard
4. Other
 | 2005/06-present |
| 1. Unknown
 | 2016/17-present  |
| Open text | BB\_Position\_Desc | If other, describe briefly | 2005/06-present |
| Basketball court location | Categorical | BB\_Location | 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 |
| 1. Backcourt
 | 2008/09-present  |
| 1. Unknown
 | 2016/17-present  |
| Basketball time of injury during competition | Categorical | BB\_Segevent\_Comp | 1. Pre-competition/warm ups
2. First quarter
3. Second quarter
4. Third quarter
5. Fourth quarter
6. Over time
 | 2008/09-present  |
| 1. Unknown
 | 2016/17-present  |

**Wrestling**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Description  | Type | Variable Name | Options | Years Collected |
| Wrestling Activity  | Categorical | WR\_Activity | 1. Takedown
2. Near fall
3. Riding
4. Sparring
5. Reversal
6. Escape
7. Fall
8. Conditioning
 | 2005/06-present  |
| 1. N/A (skin infection, overuse, heat exhaustion, etc)
 | 2006/07-present  |
| 1. Other
 | 2005/06-present  |
| 1. Unknown
 | 2016/17-present  |
| Open Text  | WR\_Activity\_Desc | If other, describe briefly | 2005/06-present |
| Weight class | Categorical | WR\_Weight\_Class\_Archive | 1. 125 lbs
2. 130 lbs
3. 140 lbs
 | 2005/06-2010/11 |
| 1. 145 lbs
2. 152 lbs
3. 160 lbs
 | 2005/06-2016/17 |
| 1. 171 lbs
2. 189 lbs
3. 215 lbs
 | 2005/06-2010/11 |
| 1. 285 lbs
 | 2005/06-2016/17 |
| 1. Other
 | 2007/08-2016/17 |
| 1. 103 lbs
2. 112 lbs
3. 119 lbs
4. 135 lbs
 | 2005/06-2010/11 |
| 1. 106 lbs
2. 113 lbs
3. 120 lbs
4. 126 lbs
5. 132 lbs
6. 138 lbs
7. 170 lbs
8. 182 lbs
9. 195 lbs
10. 220 lbs
 | 2011/12-2016/17 |
| Open Text | WR\_Weight\_Class\_Archive\_Desc | If other, describe briefly | 2007/08-2016/17 |
| Open Text | WR\_Weight\_Class | What weight class was the athlete wrestling in at time of injury (in lbs)? | 2017/18-present |
| Was the athlete wrestling in their normal weight class? | Categorical | WR\_Weight\_Class\_Normal | 1. Yes
2. No, they were wrestling up
3. No, they were wrestling down
4. Unknown
 | 2018/19-present |
| What type of uniform was the athlete wearing? | Categorical  | WR\_Uniform | 1. Singlet
2. Newly allowed shorts and t-shirt
3. Unknown
 | 2016/17-present  |
| Mat location | Categorical | WR\_Location | 1. Within 28ft. circle
2. Out of bounds
3. Off mat
 | 2005/06-present  |
| 1. Unknown
 | 2016/17-present |
| Age of wrestling mat | Categorical | WR\_Mat\_Age | 1. New mat
2. Old mat
 | 2008/09-2011/12 |
| 1. Reconditioned mat
2. Unknown
 | 2008/09-present |
| 1. New mat (0-2 years old)
2. Old mat (>2 years old)
 | 2012/13-presnt  |
| Type of surface under wrestling mat | Categorical | WR\_Surface\_Under\_Mat  | 1. Concrete
2. Wood
3. Other
 | 2008/09-present |
| 1. Unknown
 | 2016/17-present  |
| Open Text | WR\_Surface\_Under\_Mat\_Desc | If other, describe briefly | 2008/09-present |
| Wrestling time of injury during competition | Categorical | WR\_Segevent\_Comp | 1. Pre-competition/ warm ups
2. First period
3. Second period
4. Third period
5. Over time
 | 2008/09-present |
| 1. Unknown
 | 2016/17-present  |
| Injury occurred during | Categorical | WR\_Segevent\_Match | 1. 1st match of the day
2. 2nd match of the day
3. 3rd match of the day
4. 4th match of the day
5. 5th match of the day
 | 2010/11-present  |
| 1. Unknown
 | 2012/13-present |
| Injured athlete was wrestling against | Categorical  | WR\_Opponent | 1. A male wrestler
2. A female wrestler
 | 2014/15-present  |
| 1. Unknown
 | 2016/17-present  |

**Baseball/Softball**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Description  | Type | Variable Name | Options | Years Collected |
| Baseball/softball playing surface | Categorical | BASB\_Surface | 1. Artificial fill
2. Artificial no fill
3. Grass
 | 2005/06-present  |
| 1. Dirt/clay
2. Concrete
 | 2006/07-present  |
| 1. Indoors
 | 2005/06-present  |
| 1. Unknown
 | 2016/17-present  |
| Baseball/softball specific mechanism | Categorical | BASB\_Specific\_Mechanism | 1. Contact with bat
2. Contact with thrown ball (non-pitch)
3. Hit by pitch
 | 2005/06-present  |
| 1. Hit by batted ball (line drive)
2. Hit by batted ball (ground ball)
3. Contact with outfield wall
 | 2005/06-2007/08 |
| 1. Contact with bases
 | 2005/06-present |
| 1. Dug out
2. Foul territory fence
 | 2006/07-2007/08 |
| 1. Throwing – pitching
2. Throwing – not pitching
3. Contact with another person
 | 2005/06-present |
| 1. Rotation around a planted foot/inversion
 | 2005/06-present  |
| 1. Uneven playing surface
 | 2006/07-present  |
| 1. N/A (overuse, heat illness, conditioning, etc)
2. Other
 | 2005/06-present |
| 1. Hit by batted ball (foul ball)
 | 2007/08 |
| 1. Contact with outfield wall/dugout/ foul territory fence
2. Hit by batted ball
 | 2008/09-present  |
| 1. Unknown
 | 2016/17-present  |
| Open Text  | BASB\_Specific\_Mechanism\_Desc | If other, describe briefly | 2007/08-present |
| Hit by batted ball specifics | Categorical | BASB\_Hit\_By\_Batted\_Ball | 1. Line drive
2. Ground ball
3. Foul ball
 | 2008/09-2013/14 |
| Type of bat | Categorical | BASB\_Bat\_Type | 1. Wood
2. Metal
3. Unknown
 | 2006/07-present  |
| 1. Composite
2. Wood composite
 | 2011/12-present  |
| Baseball/softball activity | Categorical | BASB\_Activity | 1. Pitching
2. Throwing
 | 2005/06-present  |
| 1. Fielding
 | 2005/06-2007/08 |
| 1. Batting
2. Running bases
3. Sliding
4. Catching
5. Coaching
6. Conditioning
7. General play
8. Other
 | 2005/06-present |
| 1. Fielding a thrown ball
2. Fielding a batted ball
 | 2008/09-present |
| 1. Unknown
 | 2016/17-present  |
| Open Text | BASB\_Activity\_Desc | If other, describe briefly | 2005/06-present |
| How did the athlete slide? | Categorical | BASB\_Slide | 1. Feet first
2. Head first
3. Unknown
 | 2008/09-present |
| What type of base was the athlete sliding into? | Categorical | BASB\_Base\_Type | 1. Break away base
2. Safety base/double first base
3. Traditional base
4. Unknown
 | 2008/09-present |
| How did the sliding injury at first base occur? | Categorical | BASB\_Slide\_First\_Base | 1. Player was sliding into first base at the end of their run from home plate
2. Player was sliding back to first base after leading off toward second base to avoid being picked off
3. Other
4. Unknown
 | 2015/16-present |
| Open Text | BASB\_Slide\_First\_Base\_Desc | If other, describe briefly |
| Baseball/softball position | Categorical | BASB\_Position | 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  |
| 1. Warm up catcher
 | 2011/12-present  |
| 1. Unknown
 | 2016/17-present  |
| Open Text | BASB\_Position\_Desc | If other, describe briefly | 2005/06-present |
| Baseball/softball field location | Categorical | BASB\_Location | 1. Home plate
2. First base
3. Second base
4. Third base
5. Infield
6. Pitchers mound
7. Outfield
8. Foul territory
9. Other
 | 2005/06-present |
| 1. Unknown
 | 2016/17-present  |
| Open Text  | BASB\_Location\_Desc | If other, describe briefly | 2005/06-present |
| Baseball/softball time of injury during competition | Categorical | BASB\_Segevent\_Comp  | 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 |
| 1. Unknown
 | 2016/17-present  |
| Approximately, how many pitches had athlete thrown that day? | Open text | BASB\_Pitch\_Count |  | 2009/10-present |
| How many days rest had athlete had since last pitching in a competition? | Open text  | BASB\_Pitch\_Rest |  | 2009/10-present |
| Were double bases (i.e., side by side) used? | Categorical  | BASB\_Double\_Base | 1. Yes
2. No
3. Unknown
 | 2009/10-present |
| Type of cleat worn by injured baseball/softball athlete | Categorical  | BASB\_Cleat | 1. Metal
2. Molded plastic, rubber, etc
3. Other
 | 2007/08-present |
| 1. Unknown
 | 2016/17-present  |
| Open text  | BASB\_Cleat\_Desc | If other, describe briefly | 2007/08-present |
| Type of cleat worn by the other player involved in contact with injured athlete | Categorical  | BASB\_Other\_Player\_Cleat | 1. Metal
2. Molded plastic, rubber, etc.
3. Other
 | 2008/09-present |
| 1. Unknown
 | 2016/17-present  |
| Open text  | BASB\_Other\_Player\_Cleat\_Desc | If other, describe briefly | 2008/09-present |
| Was the athlete wearing a face mask at the time of injury? | Categorical | BASB\_Face\_Mask | 1. Yes
2. No
3. Unknown
 | 2015/16-present |
| Was the athlete wearing a helmet? | Categorical  | BASB\_Helmet | 1. Yes
2. No
3. Unknown
 | 2009/10-present  |
| Baseball/softball helmet manufacturer | Open Text  | BASB\_Helmet\_Manufacturer | Helmet manufacturer (e.g., Wilson, Rawlings, MacGregor) | 2008/09-present |
| Baseball/softball helmet style | Open Text  | BASB\_Helmet\_Style | Helmet style (e.g., A5230, CoolFlo, B10) | 2008/09-present |
| Was the baseball/softball helmet new this season? | Categorical | BASB\_Helmet\_New | 1. Yes
2. No
3. Unknown
 | 2008/09-present |
| Open Text | BASB\_Helmet\_Year | If no, year helmet was manufactured |
| Was the baseball/softball helmet reconditioned? | Categorical | BASB\_Helmet\_Reconditioned | 1. Yes
 | 2008/09-2009/10 |
| 1. No
2. Unknown
 | 2008/09-present  |
| 1. Yes, this year
2. Yes, prior to this year
 | 2011/10-present  |
| Did the baseball/softball helmet have a NOCSAE seal? | Categorical | BASB\_Helmet\_NOCSAE | 1. Yes
2. No
3. Unknown
 | 2008/09-present |
| Type of padding inside baseball/softball helmet | Categorical | BASB\_Helmet\_Pad | 1. Foam
2. Air
3. Gel
4. Other
5. Unknown
 | 2008/09-present |
| Open Text | BASB\_Helmet\_Pad\_Desc | If other, describe briefly |
| Who initially fit the baseball/softball helmet to the athlete? | Categorical | BASB\_Helmet\_Fitting | 1. ATC
2. Coach
3. Company representative
4. Other adult
5. Athlete
6. Unknown
 | 2008/09-present |
| Open Text | BASB\_Helmet\_Fitting\_Desc | If other, describe briefly |
| Was the baseball/softball helmet modified? | Categorical | BASB\_Helmet\_Modified | 1. Yes
2. No
3. Unknown
 | 2008/09-present |
| Open Text | BASB\_Helmet\_Modified\_Desc | If yes, please briefly describe how helmet was modified |
| In your opinion, did the baseball/softball helmet fit correctly at the time of the injury? | Categorical | BASB\_Helmet\_Correct\_Fit | 1. Yes
2. No
3. Unknown
 | 2008/09-present |
| Open Text | BASB\_Helmet\_Correct\_Fit\_Desc | If no, please briefly describe what was wrong (e.g., missing pads, too big/small, etc.) |
| Was there any damage to the baseball/softball helmet? | Categorical | BASB\_Helmet\_Damage | 1. Yes, prior to the injury
2. Yes, as a result of the injury
3. No
4. Unknown
 | 2008/09-present |
| Open Text | BASB\_Helmet\_Damage\_Prior\_Desc | If prior to the injury, please briefly describe the damage |
| Open Text | BASB\_Helmet\_Damage\_Result\_Desc | If as a result of the injury, please briefly describe the damage |
| Who provided the baseball/softball helmet? | Categorical | BASB\_Helmet\_Provided | 1. Athletes personal helmet
2. Helmet provided by the school
 | 2008/09-present |
| Did the batters helmet have a cheek flap (e.g. C-Flap)? (baseball only, if injury sustained while batting to body part: head/face, eye, mouth, or nose) | Categorical | BASB\_Helmet\_Cheek\_Flap | 1. Yes
2. No
3. Unknown
 | 2019/20-present |

**Field Hockey:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Description  | Type | Variable Name | Options | Years Collected |
| Field hockey playing surface | Categorical  | FH\_Surface | 1. Natural grass
2. Artificial grass
3. Non-grass surface
4. Other
 | 2008/09-present |
| 1. Unknown
 | 2016/17-present  |
| Open Text | FH\_Surface\_Desc | If other, describe briefly | 2008/09-present |
| Field hockey specific injury mechanism | Categorical | FH\_Specific\_Mechanism | 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 |
| 1. Unknown
 | 2016/17-present  |
| Open Text  | FH\_Specific\_Mechanism\_Desc | If other, describe briefly | 2008/09-present |
| Field hockey activity at time of injury | Categorical | FH\_Activity | 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 |
| 1. Penalty corner
 | 2011/12-present  |
| 1. Unknown
 | 2016/17-present  |
| Open Text  | FH\_Activity\_Desc | If other, describe briefly | 2008/09-present |
| Field hockey position played at time of injury | Categorical | FH\_Position | 1. Goal keeper
2. Forward
3. Midfielder
4. Defender
5. Non-positional/conditioning drill
6. Other
 | 2008/09-present |
| 1. Unknown
 | 2016/17-present  |
| Open Text  | FH\_Position\_Desc | If other, describe briefly | 2008/09-present |
| Field hockey field location | Categorical | FH\_Location | 1. Goal area/circle
2. Within 16-yard arc
3. Within 25-yard line
4. Between 25-yard line and center line
5. Sideline
6. Other
 | 2008/09-present |
| 1. Unknown
 | 2016/17-present  |
| Open Text  | FH\_Location\_Desc | If other, describe briefly | 2008/09-present |
| Field hockey time of injury during competition | Categorical  | FH\_Segevent\_Comp | 1. Pre-competition
2. First half
3. Second half
4. Overtime
 | 2008/09-present |
| 1. Unknown
 | 2016/17-present  |

**Gymnastics:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Description  | Type | Variable Name | Options | Years Collected |
| Gymnastics specific injury mechanism | Categorical  | GY\_Specific\_Mechanism | 1. Contact with apparatus
2. Fall/slip
3. Jumping/landing
4. Rotation around a planted foot /inversion
5. N/a (overuse, heat illness , conditioning, etc)
6. Other
 | 2008/09-2011/12 |
| Open Text  | GY\_Specific\_Mechanism\_Desc | If other, describe briefly |
| Gymnastics activity at time of injury | Categorical  | GY\_Activity | 1. Mounting
2. Dismount
3. Release move
4. Tumbling
5. Dancing
6. Other
 | 2008/09-2011/12 |
| Open Text  | GY\_Activity\_Desc | If other, describe briefly |
| Gymnastics event/apparatus at time of injury | Categorical  | GY\_Event | 1. Warm-up/stretching/conditioning
2. Floor exercise
3. Vault
4. Uneven bars
5. Balance beam
6. Other
 | 2008/09-2011/12 |
| Open Text  | GY\_Event\_Desc | If other, describe briefly |
| Location of injury: | Categorical | GY\_Location | 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 | GY\_Spotted | 1. Spotted by coach
2. Spotted by teammate
3. Spotted by an overhead belt
4. Not spotted
5. Other
 | 2008/09-2011/12 |
| Open Text  | GY\_Spotted\_Desc | If other, describe briefly |

**Ice Hockey:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Description  | Type | Variable Name | Options | Years Collected |
| Ice hockey specific injury mechanism | Categorical  | IH\_Specific\_Mechanism | 1. Contact with another player
2. Contact with ice
3. Contact with stick
4. Contact with puck
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
 | 2008/09-present |
| 1. Conditioning
2. Unknown
 | 2016/17-present  |
| Open Text  | IH\_Specific\_Mechanism\_Desc | If other, describe briefly | 2008/09-present |
| Ice hockey activity at time of injury | Categorical  | IH\_Activity | 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 |
| 1. Other
 | 2014/15-present  |
| 1. Conditioning
 | 2008/09-present  |
| 1. Unknown
 | 2016/17-present  |
| Open Text  | IH\_Activity\_Desc | If other, describe briefly | 2008/09-present |
| Ice hockey position played at time of injury | Categorical  | IH\_Position | 1. Goalie
2. Defenseman
3. Center
4. Wing
5. Non-positional/conditioning drill
6. Other
 | 2008/09-present |
| 1. Unknown
 | 2016/17-present  |
| Open Text  | IH\_Position\_Desc | If other, describe briefly | 2008/09-present |
| Ice hockey injury situation | Categorical Open Text  | IH\_Game\_Situation | 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 |
| 1. Unknown
 | 2016/17-present  |
| IH\_Game\_Situation\_Desc | If other, describe briefly | 2008/09-present |
| Ice hockey rink location | Categorical  | IH\_Location | 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  |
| 1. Unknown
 | 2016/17-present  |
| Open Text  | IH\_Location\_Desc | If other, describe briefly | 2008/09-present |
| Ice hockey time of injury during competition | Categorical | IH\_Segevent\_Comp | 1. Pre-competition/warm-ups
2. First period
3. Second period
4. Third period
5. Overtime
 | 2008/09-present |
| 1. Unknown
 | 2016/17-present  |
| Which overtime did it occur in? | Categorical | IH\_Segevent\_OT | 1. 1st
2. 2nd
3. 3rd
4. >3rd
 | 2017/18-present |
| Ice hockey helmet manufacturer | Open Text  | IH\_Helmet\_Manufacturer | Helmet manufacturer (e.g., Nike, Mission, CCM) | 2008/09-present |
| Ice hockey helmet style | Open Text  | IH\_Helmet\_Style | Helmet style (e.g., Bauer 3500, M95, Vector) | 2008/09-present |
| Was the ice hockey helmet new this season? | Categorical | IH\_Helmet\_New | 1. Yes
2. No, year helmet was manufactured
3. Unknown
 | 2008/09-present |
| Open Text  | IH\_Helmet\_Year | If no, year helmet was manufactured |
| Did the helmet have a HECC/ASTM sticker? | Categorical | IH\_Helmet\_Sticker | 1. Yes
2. No
3. Unknown
 | 2008/09-present |
| Type of padding inside ice hockey helmet | Categorical | IH\_Helmet\_Padding | 1. Foam
2. Air
3. Gel
4. Other
5. Unknown
 | 2008/09-present |
| Open text  | IH\_Helmet\_Padding\_Desc | If other, describe briefly |
| Who initially fit the ice hockey helmet to the athlete? | Categorical | IH\_Helmet\_Fitting | 1. ATC
2. Coach
3. Company representative
4. Other adult, please describe
5. Athlete
6. Unknown
 | 2008/09-present |
| Open text  | IH\_Helmet\_Fitting\_Desc | If other adult, describe briefly |
| Was the ice hockey helmet modified? | Categorical | IH\_Helmet\_Modified  | 1. Yes, please briefly describe how helmet was modified
2. No
3. Unknown
 | 2008/09-present |
| Open text  | IH\_Helmet\_Modified\_Desc | If yes, please briefly describe how helmet was modified |
| In your opinion, did the ice hockey helmet fit correctly at the time of the injury? | Categorical | IH\_Helmet\_Correct\_Fit | 1. Yes
2. No, please briefly describe what was wrong
3. Unknown
 | 2008/09-present |
| Open text  | IH\_Helmet\_Correct\_Fit\_Desc | If no, please briefly describe what was wrong (e.g., missing pads, too big/small, etc.) |
| Was there any damage to the ice hockey helmet? | Categorical | IH\_Helmet\_Damage | 1. Yes, prior to the injury
2. Yes, as a result of the injury
3. No
4. Unknown
 | 2008/09-present |
| Open text  | IH\_Helmet\_Damage\_Prior\_Desc | If prior to the injury, please briefly describe the damage |
| Open text  | IH\_Helmet\_Damage\_Result\_Desc | If as a result of the injury, please briefly describe the damage |
| Who provided the helmet? | Categorical  | IH\_Helmet\_Provided | 1. Athletes personal helmet
2. Helmet provided by the school
 | 2009/10-present |

**Lacrosse**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Description  | Type | Variable Name | Options | Years Collected |
| Lacrosse playing surface | Categorical  | LA\_Surface | 1. Natural grass
2. Artificial grass
3. Non-grass surface (i.e. Gym floor, concrete, asphalt, etc.)
4. Other
 | 2008/09-present |
| 1. Unknown
 | 2016/17-present  |
| Open Text  | LA\_Surface\_Other | If other, describe briefly | 2008/09-present |
| Lacrosse specific injury mechanism | Categorical  | LA\_Specific\_Mechanism | 1. Contact with ball
2. Contact with crosse/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 (e.g. Overuse, heat illness, conditioning, etc.)
9. Other
 | 2008/09-present |
| 1. Unknown
 | 2016/17-present  |
| Open Text  | LA\_Specific\_Mechanism\_Other | If other, describe briefly | 2008/09-present |
| Lacrosse activity at time of injury | Categorical  | LA\_Activity | 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 |
| 1. Unknown
 | 2016/17-present  |
| Open Text  | LA\_Activity\_Desc | If other, describe briefly | 2008/09-present |
| Lacrosse position played at time of injury | Categorical  | LA\_Position | 1. Goal keeper
2. Forward/attack
3. Midfielder
4. Defense
5. Nonpositional/conditioning drill
6. Other
 | 2008/09-present |
| 1. Unknown
 | 2016/17-present  |
| Open Text  | LA\_Position\_Desc | If other, describe briefly | 2008/09-present |
| Boys' lacrosse field location | Categorical  | LA\_Boys\_Location | 1. Midfield
2. Wing area
3. Defensive area
4. Goal area
5. Sideline
 | 2008/09-present |
| 1. Crease area
 | 2015/16-present  |
| 1. Unknown
 | 2016/17-present  |
| Boys' lacrosse time of injury during competition | Categorical | LA\_Boys\_Segevent\_Comp | 1. Pre-competition/warm-ups
2. First quarter
3. Second quarter
4. Third quarter
5. Fourth quarter
6. Over time
 | 2008/09-present |
| 1. Unknown
 | 2016/17-present  |
| Girls' lacrosse field location | Categorical | LA\_Girls\_Location | 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 |
| 1. Unknown
 | 2016/17-present  |
| Girls' lacrosse- time of injury during competition | Categorical | LA\_Girls\_Segevent\_Comp | 1. Pre-competition/warm-ups
2. First half
3. Second half
4. Overtime
 | 2008/09-present |
| 1. Unknown
 | 2016/17-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)  | Categorical  | LA\_Girls\_Headgear | 1. Yes

2. No | 2014/15-present  |
| Open text  | LA\_Girls\_Headgear\_Desc | What type of helmet or soft head gear was the athlete wearing at the time of injury? (girls lacrosse only)  |
| Lacrosse helmet manufacturer | Open Text  | LA\_Helmet\_Manufacturer | Helmet manufacturer (e.g., Cascade, Brine, Warrior | 2008/09-present |
| Lacrosse helmet style | Open Text  | LA\_Helmet\_Style | Helmet style (e.g., CPX Standard, Triumph, Pro Z) | 2008/09-present |
| Was the lacrosse helmet new this season? | Categorical | LA\_Helmet\_New | 1. Yes
2. No

3. Unknown | 2008/09-present |
| Open Text  | LA\_Helmet\_Year | If no, year helmet was manufactured |
| Was the lacrosse helmet reconditioned? | Categorical  | LA\_Helmet\_Reconditioned | 1. Yes
 | 2008/09 |
| 1. No
2. Unknown
 | 2008/09-present |
| 1. Yes, this year
2. Yes, prior to this year
 | 2009/10-present  |
| Did the lacrosse helmet have a NOCSAE seal? | Categorical | LA\_Helmet\_NOCSAE | 1. Yes
2. No
3. Unknown
 | 2008/09-present |
| Type of padding inside lacrosse helmet | Categorical | LA\_Helmet\_Padding | 1. Foam
2. Air
3. Gel
4. Other
 | 2008/09-present |
| 1. Unknown
 |
| Open Text  | LA\_Helmet\_Padding\_Desc | If other, describe briefly |
| Who initially fit the lacrosse helmet to the athlete? | Categorical | LA\_Helmet\_Fitting | 1. ATC
2. Coach
3. Company representative
4. Other adult
5. Athlete
6. Unknown
 | 2008/09-present |
| Open Text  | LA\_Helmet\_Fitting\_Desc | If other, describe briefly |
| Was the lacrosse helmet modified? | Categorical | LA\_Helmet\_Modified | 1. Yes, please briefly describe how helmet was modified
2. No
3. Unknown
 | 2008/09-present |
| Open Text  | LA\_Helmet\_Modified\_Desc | If yes, briefly describe how helmet was modified |
| In your opinion, did the lacrosse helmet fit correctly at the time of the injury? | Categorical | LA\_Helmet\_Correct\_Fit | 1. Yes
2. No
3. Unknown
 | 2008/09-present |
| Open Text  | LA\_Helmet\_Correct\_Fit\_Desc | If no, please briefly describe what was wrong (e.g., missing pads, too big/small, etc.) |
| Was there any damage to the lacrosse helmet? | Categorical | LA\_Helmet\_Damage | 1. Yes, prior to the injury
2. Yes, as a result of the injury
3. No
4. Unknown
 | 2008/09-present |
| Open Text  | LA\_Helmet\_Damage\_Prior\_Desc | If prior to the injury, please briefly describe the damage |
| Open Text  | LA\_Helmet\_Damage\_Result\_Desc | If as a result of the injury, please briefly describe the damage |
| Who provided the helmet? | Categorical  | LA\_Helmet\_Provided | 1. Athletes personal helmet
2. Helmet provided by the school
 | 2009/10-present |
| Was the athlete wearing shoulder pads at the time of the injury? | Categorical  | LA\_Shoulder\_Pad | 1. Yes
2. No
3. Unknown
 | 2011/12-present  |
| What type of shoulder pad was the athlete wearing? | Categorical  | LA\_Shoulder\_Pad\_Type | 1. Traditional shoulder pad
2. Compression integrated shoulder
3. Shoulder pad liner
4. Unknown
5. Other
 | 2011/12-present  |
| Open Text  | LA\_Shoulder\_Pad\_Type\_Desc | If other, describe briefly |
| Who was in possession of the ball when the player was injured? | Categorical  | LA\_Possession | 1. Player’s team had possession of the ball
2. Opponent had possession of the ball
3. Neither team had possession of the ball
4. Unknown
 | 2009/10-present |
| Did the headgear the athlete was wearing meet the new ASTM standard for girls’ lacrosse headgear? (If body part is head/face, eye, mouth, or nose, and athlete was reported to be wearing a helmet or head gear) | Categorical | LA\_Girls\_HeadGear\_ATSM | 1. Yes
2. No
3. Unknown
 | 2016/17-present |

**Swimming/Diving**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Description  | Type | Variable Name | Options | Years Collected |
| Swimming specific injury mechanism | Categorical | SW\_Specific\_Mechanism | 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
11. Contact with starting platform
12. Contact with lane lines
13. Unknown
 | 2008/09-present |
| Open text  | SW\_Specific\_Mechanism\_Desc | If other, describe briefly |
| Depth of pool/diving area (in feet) | Open text  | SW\_Pool\_Depth  |  | 2008/09-present |
| Activity at time of injury | Categorical  | SW\_Activity | 1. Diving off board/platform/block
2. Start
3. Swimming
4. Touch turn off wall
5. Flip off wall
6. Using kickboard
 | 2008/09-present |
| 1. Other
 | 2014/15-present  |
| 1. Conditioning
 | 2008/09-present  |
| 1. Unknown
 | 2016/17-present  |
| Open text  | SW\_Activity\_Desc | If other, describe briefly | 2008/09-present |
| Type of approach: | Categorical | SW\_Approach | 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 | SW\_Diver\_Steps | 1. Yes
2. No
3. Unknown
 | 2011/12-present  |
| Which surface was the athlete diving from? | Categorical  | SW\_Dive\_Surface | 1. Off starting blocks
2. Off pool deck
3. Off spring board
4. Off platform
5. Unknown
 | 2014/15-present  |
| Where did the swimming start take place? | Categorical | SW\_Start | 1. Blocks
2. Pool deck
3. In water (i.e backstroke)
4. Unknown
 | 2008/09-present |
| Swimming event | Categorical  | SW\_Segevent\_Comp | 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 |
| 1. 400 yd/m freestyle
 | 2009/10-present  |
| 1. 500 yd/400 m freestyle
 | 2012/13-present  |
| 1. Unknown
 | 2016/17-present  |
| Open text  | SW\_Segevent\_Comp\_Desc | If other, describe briefly | 2008/09-present |
| Swimming location | Categorical  | SW\_Location | 1. Starting platform/board/block
2. In pool
3. Poolside
4. Other
 | 2008/09-present |
| 1. Unknown
 | 2016/17-present  |
| Open text  | SW\_Location\_Desc | If other, describe briefly | 2008/09-present |
| Swimming- length of pool | Categorical  | SW\_Pool\_Length | 1. 25 yds/m
2. 50yds/m
3. 100 yds/m
4. Other
 | 2008/09-present |
| 1. Unknown
 | 2016/17-present  |
| Open text  | SW\_Pool\_Length\_Desc | If other, describe briefly | 2008/09-present |

**Track and Field**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Description  | Type | Variable Name | Options | Years Collected |
| Track playing surface | Categorical  | TR\_Surface | 1. Dirt
2. Sand
3. Rubber
4. Cinder
5. Asphalt
6. Gravel
7. Grass
8. All weather
9. Concrete
10. Other
 | 2008/09-present |
| 1. Unknown
 | 2016/17-present  |
| Open text  | TR\_Surface\_Desc | If other, describe briefly | 2008/09-present |
| Track specific injury mechanism | Categorical  | TR\_Specific\_Mechanism | 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 |
| 1. Unknown
 | 2016/17-present  |
| Open text  | TR\_Specific\_Mechanism\_Desc | If other, describe briefly | 2008/09-present |
| Track activity at time of injury | Categorical  | TR\_Activity | 1. Running
2. Leaving block
3. Jumping/landing
4. Throwing
5. Hit by shot put/discus/javelin/hammer
6. Baton hand off
7. Warming up
8. Conditioning
9. Other
10. Running hurdles
 | 2008/09-present |
| 1. Unknown
 | 2016/17-present  |
| Open text  | TR\_Activity\_Desc | If other, describe briefly | 2008/09-present |
| Location: | Categorical  | TR\_Location\_Throw | 1. Within throwing sector area
2. Outside throwing sector area
3. Unknown
4. Other
 | 2009/10-present  |
| Open text  | TR\_Location\_Throw\_Desc | If other, describe briefly |
| Specifically, where did the athlete land? | Categorical  | TR\_Athlete\_Land | 1. Plant box
2. Approach track
3. Over/beside pit/padded area
4. Other
5. Unknown
 | 2009/10-present |
| Open text  | TR\_Athlete\_Land\_Desc | If other, describe briefly |
| Track event | Categorical  | TR\_Segevent\_Comp | 1. 100-m 33" hurdles
2. 110-m 39" hurdles
3. 300-m 30" hurdles
4. 300-m 36" hurdles
5. 100-m dash
6. 200-m dash
7. 400-m dash
8. 800-m dash
9. 1600-m dash
10. 3200-m dash
11. 4x100-m relay
12. 4x200-m relay
13. 4x400-m relay
14. 4x800-m relay
15. Discus
16. Shot put
17. Hammer
18. Javelin
19. High jump
20. Long jump
21. Triple jump
22. Pole vault
23. Other
 | 2008/09-present |
| 1. 400 m 30” hurdles
 | 2009/10-present  |
| 1. Unknown
 | 2016/17-present  |
| Open text  | TR\_Segevent\_Comp\_Desc | If other, describe briefly | 2008/09-present |
| Track location | Categorical | TR\_Location\_Shotput | 1. Landing area/throwing field
2. To the side of the landing area/throwing field
3. Behind thrower
4. Unknown
 | 2008/09-present |
| Where did the track athlete land? | Categorical | TR\_Track\_Athlete\_Land | 1. Pit/padded area
2. Out of pit/off of padded area
3. N/A, injury occurred while jumping
4. Unknown
 | 2008/09-present |
| How did the athlete land in the plant box | Categorical  | TR\_Plantbox\_Land | 1. Head first
2. Feet first
3. Other, describe briefly
 | 2014/15-present  |
| 1. Unknown
 | 2016/17-present  |
| Open text  | TR\_Plantbox\_Land\_Desc | If other. please describe | 2014/15-present |
| Did the pole make contact with the plant box padding | Categorical | TR\_Pole\_Contact | 1. Yes
2. No
3. Unknown
 | 2014/15-present |
| How did the pole make contact with the plant box padding? | Categorical | TR\_Pole\_Contact\_Detail | 1. Initial plant with tip of pole
2. Contact with padding at back of the plant box before pole released
3. Rebound action of the pole by contacting padding ad going back into landing system
4. Other
5. Unknown
 | 2014/15-present |
| Open text | TR\_Pole\_Contact\_Detail\_Desc | Other, describe briefly |
| Was the track athlete wearing a helmet at the time of the injury? | Categorical | TR\_Helmet | 1. Yes
2. No
3. Unknown
 | 2008/09-present |

**Cheerleading**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Description  | Type | Variable Name | Options | Years Collected |
| Cheer Playing surface: | Categorical  | CHE\_Surface | 1. Grass
2. Asphalt track
3. Rubberized track
4. Basketball court
5. Mat
6. Other
 | 2009/10-present |
| 1. Artificial turf
2. Spring floor
 | 2012/13-present  |
| 1. Unknown
 | 2016/17-present  |
| Open text  | CHE\_Surface\_Desc | If other, describe briefly | 2009/10-present |
| Specific injury mechanism: | Categorical  | CHE\_Specific\_Mechanism | 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 |
| 1. No contact (e.g., pulled muscle, rotation around a planted foot, etc.)
 | 2012/13-present  |
| 1. Unknown
 | 2016/17-present  |
| Open text  | CHE\_Specific\_Mechanism\_Desc | If other, describe briefly | 2009/10-present |
| What body part of the other person contacted the injured athlete? | Categorical  | CHE\_Body\_Part\_Contact | 1. Head
2. Elbow
3. Hand
4. Knee
5. Foot
6. Unknown
7. Other
 | 2009/10-present |
| Open text  | CHE\_Body\_Part\_Contact\_Desc | If other, describe briefly |
| Activity at time of injury: | Categorical  | CHE\_Activity | 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 |
| 1. Partner stunt
2. Standing tumbling (e.g., stationary flips, back handsprings, etc.)
3. Toss (e.g., basket toss, elevator toss, etc.)
4. Moving tumbling (e.g., round-off back handspring, series of flips and/or twists)
 | 2011/12-present  |
| 1. Warm-up
 | 2012/13-present  |
| 1. Unknown
 | 2016/17-present |
| Open text  | CHE\_Activity\_Desc | If other, describe briefly | 2009/10-present |
| Was the Stunt  | Check all that apply  | CHE\_Stunt\_Shoulder\_Level | Shoulder level | 2009/10-present |
| CHE\_Stunt\_Extended | Extended(i.e above shoulder level) |
| CHE\_Stunt\_One\_Foot | One foot  |
| CHE\_Stunt\_Two\_Feet | Two feet |
| CHE\_Stunt\_Mount | During the mount |
| CHE\_Stunt\_Dismount | During the dismount  |
| CHE\_Stunt\_Coed | Coed | 2012/13-present  |
| CHE\_Stunt\_Girl | All girl  | 2009/10-present |
| Type of dismount: | Categorical | CHE\_Dismount | 1. To the ground/floor surface
2. To a cradle
 | 2009/10-present |
| 1. Unknown
 | 2016/17-present  |
| How many bases were involved in the stunt/pyramid/skill where the injury occurred? | Categorical | CHE\_Bases | 1. One single base
2. Two single base
3. Three single base
4. Multi-based (i.e., four or more)
 | 2009/10-present |
| 1. Unknown
 | 2016/17-present |
| Was the injured athlete ever inverted? | Categorical | CHE\_Inverted | 1. Yes
2. No
 | 2009/10-present |
| 1. Unknown
 | 2016/17-present  |
| Did the injury involve a rotation skill (e.g., double downs, twists, etc.)? | Categorical | CHE\_Rotate | 1. Yes, a single rotation
2. Yes, a double rotation
3. No rotation
 | 2009/10-present |
| 1. Unknown
 | 2016/17-present  |
| Injured athlete was a | Categorical  | CHE\_Position | 1. Base
2. Flyer
3. Back spotter
4. Front spotter
5. Other
 | 2009/10-present |
| 1. Unknown
 | 2016/17-present  |
| Open text  | CHE\_Position\_Desc | If other, describe briefly | 2009/10-present |
| When injured, the athletes was | Categorical  | CHE\_Spotted | 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 |
| 1. Unknown
 | 2016/17-present  |
| Open text  | CHE\_Spotted\_Desc | If other, describe briefly | 2009/10-present |
| Was the athlete supervised by a coach at the time of the injury? | Categorical | CHE\_Supervised | 1. Yes
2. No
 | 2009/10-present |
| 1. Unknown
 | 2016/17-present  |
| Location: | Categorical | CHE\_Location | 1. On school site (school practice or game)
2. Off-site practice/performance/competition
 | 2009/10-present |
| 1. Unknown
 | 2016/17-present  |
| Time of injury during competition | Categorical | CHE\_Segevent\_Comp | 1. Pre-competition/warm-ups
2. During competition
 | 2010/11-present  |
| 1. Unknown
 | 2016/17-present  |

**Cross Country:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Description  | Type | Variable Name | Options | Years Collected |
| Playing surface: | Categorical  | CC\_Surface | 1. Dirt
2. Sand
3. Rubber
4. Asphalt
5. Gravel
6. Grass
7. Concrete
8. Other
 | 2012/13-present  |
| 1. Unknown
 | 2016/17-present  |
| Open text  | CC\_Surface\_Desc | If other, describe briefly | 2012/13-present |
| Terrain: | Categorical  | CC\_Terrain | 1. Flat
2. Uphill
3. Down hill
4. Other
5. Unknown
 | 2012/13-present |
| Open text  | CC\_Terrain\_Desc | If other, describe briefly: |
| Weather/running surface conditions: | Categorical  | CC\_Weather | 1. No precipitation and dry
2. No precipitation but wet/muddy
3. Rain
4. Snow
5. N/A, injury occurred inside
6. Other
 | 2012/13-present |
| 1. Unknown
 | 2016/17-present  |
| Open text  | CC\_Weather\_Desc | If other, describe briefly | 2012/13-present |
| Specific injury mechanism: | Categorical  | CC\_Specific\_Mechanism | 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. Overuse
9. N/A (e.g., heat illness, conditioning, etc.)
10. Other
 | 2012/13-present |
| 1. Unknown
 | 2016/17-present  |
| Open text  | CC\_Specific\_Mechanism\_Desc | If other, describe briefly | 2012/13-present |
| Activity at time of injury: | Categorical  | CC\_Activity | 1. Warming up
2. Running
3. Cooling down
4. Conditioning
5. Other
 | 2012/13-present |
| 1. Unknown
 | 2016/17-present  |
| Open text  | CC\_Activity\_Desc | If other, describe briefly | 2012/13-present |
| Type of workout: | Categorical  | CC\_Workout | 1. Interval
2. Distance
3. Speed
4. Hills
5. Other
 | 2012/13-present |
| 1. Unknown
 | 2016/17-present  |
| Open text  | CC\_Workout\_Desc | If other, describe briefly | 2012/13-present |
| Type of shoe being worn at time of injury: | Categorical  | CC\_Shoe | 1. Flats
2. Spikes
3. Other
 | 2012/13-present |
| 1. Unknown
 | 2016/17-present  |
| Open text  | CC\_Shoe\_Desc | If other, describe briefly | 2012/13-present |
| Distance of course: | Categorical  | CC\_Distance | 1. 5K
2. 4K
3. 3.2K
4. Other
 | 2012/13-present |
| 1. Unknown
 | 2016/17-present  |
| Open text  | CC\_Distance\_Desc | If other, describe briefly | 2012/13-present |

**Tennis:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Description  | Type | Variable Name | Options | Years Collected |
| On what type of playing surface did the injury occur | Categorical  | TE\_Surface | 1. Hard court outdoor
2. Hard court indoor
3. Composite indoor
4. Clay outdoor
5. Grass outdoor
6. Other
 | 2014/15-present  |
| 1. Unknown
 | 2016/17-present |
| Open text  | TE\_Surface\_Desc | If other, please describe | 2014/15-present |
| What was the tennis specific mechanism of injury | Categorical  | TE\_Specific\_Mechanism | 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
 | 2014/15-present |
| 1. Unknown
 | 2016/17-present  |
| Open text  | TE\_Specific\_Mechanism\_Desc | If other, please describe  | 2014/15-present |
| More specifically, how did the injury occur? | Categorical  | TE\_Occur | 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
 | 2014/15-present |
| 1. Unknown
 | 2016/17-present  |
| Open text  | TE\_Occur\_Desc | If other, please describe  | 2014/15-present |
| More specifically, how did the injury occur? | Categorical  | TE\_Contact\_Inj | 1. Contact with fence/wall
2. Contact with umpire chair
3. Contact with bleachers
4. Contact with net posts
5. Other, please specify
 | 2014/15-present |
| 1. Unknown
 | 2016/17-present  |
| Open text  | TE\_Contact\_Inj\_Desc | If other, please describe | 2014/15-present |
| What was the tennis specific activity during which injury occurred? | Categorical  | TE\_Specific\_Activity | 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)
11. Warm-up
12. General play
13. Other
 | 2014/15-present |
| 1. Unknown
 | 2016/17-present  |
| Open text  | TE\_Specific\_Activity\_Desc | If other, please describe  | 2014/15-present |
| During what type of play/practice did injury occur? | Categorical  | TE\_Injev\_Activity | 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
 | 2014/15-present |
| 1. Unknown
 | 2016/17-present  |
| Open text  | TE\_Injev\_Activity\_Desc | If other, please describe  | 2014/15-present |
| If doubles, was the doubles mixed gender or single gender? | Categorical | TE\_Doubles\_Gender | 1. Mixed
2. Single gender
3. Unknown
 | 2014/15-2017/18 |
| At what point in the competition did the injury occur? | Categorical  | TE\_Segevent\_Comp | 1. Warm-up
2. First set
3. Second set
4. Third set
5. Other
 | 2014/15-present |
| 1. Unknown
 | 2016/17-present  |
| Open text  | TE\_Segevent\_Comp\_Desc | If other, please describe  | 2014/15-present |
| Where on the court did the injury occur? | Categorical  | TE\_Location  | 1. In front of service line
2. Between service line and baseline
3. Out of bounds
4. At the net
5. Other
 | 2014/15-present |
| 1. Unknown
 | 2016/17-present  |
| Open text  | TE\_Location\_Desc | If other, please describe  | 2014/15-present |