



High School National Athletic Treatment, Injury and Outcomes Network Surveillance Program (NATION-SP): Codebook



Prepared by:

Datalys Center for Sports Injury Research and Prevention
401 West Michigan Street, Suite 500
Indianapolis, IN 46202
855-832-4222



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CONTENTS

A Letter from the President	4
Purpose of this Document	5
Data Description	5
De-Identified Data.....	5
Option Not To Participate	5
Exposure Information	5
Exposure Record Transmission, Num_Athletes and Total_Athletes Variables	6
Athletic versus Non-Athletic Injuries	6
Multiple Injuries Incurred During a Single Injury Event.....	6
Unique Identifiers for Data Tables	6
Identifying Records in Original Data Entry.....	6
Data Exporting	6
Data Organization	7
Exposure Table.....	7
Injury Event Table	7
Injury Detail Table	7
Concussion Table	7
Treatment Table.....	7
Data Transmission and Security	7
Certification.....	8
Test Data	Error! Bookmark not defined.
Contact Information.....	Error! Bookmark not defined.
List of Appendices	10
List of Codebooks	10
Export Table 1. EXPOSURE TABLE	11
Table 1: Summary List of Data Items	11
Export table 2. INJURY EVENT TABLE	17
Table 2: Summary List of Data Items	17
Data Management Fields.....	18
Exposure Fields	20
Injury Event Fields.....	20
Export Table 3. INJURY DETAIL TABLE.....	24

Table 3: Summary List Of Data Items.....	24
Data Management Fields.....	24
Injury Detail Fields	26
Export Table 4. CONCUSSION TABLE	28
Table 4: Summary List of Data Items	28
Data Management Fields.....	29
Concussion Detail Fields	29
Export Table 5. TREATMENT TABLE	37
Table 5: Summary List of Data Items	37
Data Management Fields.....	39
Non-Athletic Injury or Problem Detail Fields.....	42
Treatment Detail Fields.....	45
Example Appendices.....	Error! Bookmark not defined.
About the Datalys Center.....	Error! Bookmark not defined.
Board of Directors.....	Error! Bookmark not defined.
Faculty and Staff	Error! Bookmark not defined.

A LETTER FROM THE PRESIDENT

Dear Colleagues,

If you received this Technical Manual for the **High School NATION Commercial Vendor Certification Program**, your EMR is probably already certified to participate in the NCAA program, but perhaps not. If so, you are already familiar with the process, and many of the variables and processes are the same, but please continue reading, **there are some important differences between the NCAA and High School NATION certification programs**. Differences will be highlighted in yellow.

For those vendors who are new to the program, as an Injury Epidemiologist, I cannot thank you enough for considering our technical manual for certification in the High School NATION Injury Surveillance Program. The High School NATION program has been ongoing since 2010 and has already contributed over a dozen scientific papers (this number keeps growing) aimed at making high school sports safer. The High School NATION program has always relied on the tireless efforts of Athletic Trainers to provide these data that lead to rule and policy changes benefiting student-athlete health and safety.

The NATION program is modeled after the NCAA program, which first began using paper pencil surveys completed weekly by Athletic Trainers at participating NCAA member institutions. While successful for the available technology at the time, this methodology had two major drawbacks. First, Athletic Trainers had to document injuries twice, once for their own medical record keeping purposes and once for the NCAA Injury Surveillance System, which created an enormous burden and limited participation, particularly in high schools where there are fewer athletic trainers for the same number of sports. Secondly, the paper pencil method also created huge quality control challenges that would have eventually made the program cost prohibitive.

Because of the challenges and burden of the paper pencil method, in 2004 the NCAA developed an online EMR that was offered free to member institutions who agreed to participate in the NCAA Program. The free application had limitations however. Most notably, the free NCAA application competed with commercial systems and limited the choices of EMRs available to participating Athletic Trainers. Because Athletic Trainers wanted to use various EMRs, in 2007 the NCAA asked the Datalys Center to develop a new methodology that: 1.) provided Athletic Trainers with EMR options, 2.) minimized burden on Athletic Trainers, 3.) maintained historical consistency with the past decades of data, and 4.) expanded participation among the broader NCAA membership, thus creating a more representative sample.

In response to these requirements, the Datalys Center developed a data export standard called the Export Engine. The Export Engine provides a data standard that is HIPAA and FERPA compliant, and assures the data received from multiple different vendors is consistent, valid and de-identified. The Athletic Trainers benefit from this partnership because they have more EMR options and the burden of participation is greatly reduced.

While I have no evidence that vendors will benefit through increased sales of their applications or that they will lose customers if they do not participate, I can assure vendors that the Datalys Center will promote their applications on our website, in marketing materials, and even within publications. We also promote certified vendors at national, regional and state athletic training conferences and during presentations.

Thank you again for your consideration. Feel free to contact me or anyone else on the Datalys team with any questions,



Christine Collins, PhD
President

PURPOSE OF THIS DOCUMENT

This document is intended for vendors and other interested parties whose programs are currently available for use in secondary school athletic training rooms to collect injury data on student-athletes. The data specification document allows potential collaborators to understand what is involved in becoming a Certified Datalys Center Program Participant. It will detail:

- A. What data must be collected?
- B. How is data transmitted to the Datalys Center?
- C. How does a Datalys Center Program Participant become “Certified”?
- D. How does a Datalys Center Program Participant maintain its “Certified” status?

Note: Any updates to this document from previous years will be highlighted in green.

DATA DESCRIPTION

Before presenting the details of the data to be collected, it is important to clarify several general characteristics of the data:

DE-IDENTIFIED DATA

All data requested by the Datalys Center are **de-identified** data – that is, no item in any of the tables identifies a specific student-athlete.

OPTION NOT TO PARTICIPATE

These methodologies have been determined *exempt from Human Subjects’ Protections review* under the guidance of the Office of Civil Rights (OCR). Exemption criteria 45 CFR §46.101(b)(2):

- (2) Research involving the use of educational tests (cognitive, diagnostic, aptitude, achievement), survey procedures, interview procedures or observation of public behavior, unless:
 - (i) Information obtained is recorded in such a manner that human subjects can be identified, directly or through identifiers linked to the subjects; and (ii) any disclosure of the human subjects’ responses outside the research could reasonably place the subjects at risk of criminal or civil liability or be damaging to the subjects’ financial standing, employability, or reputation.

Nonetheless, student-athletes are informed of the NATION program, and the athletes must be given the option to decline to have their data included in the data exports. ***Written or verbal informed consent is not required from student-athletes. If your system has a “consent box,” we request that the default is for the box to be checked with the option for the athletic trainer to un-check the box if the student-athlete opts out of participation.***

EXPOSURE INFORMATION

Athlete exposures are critical to our ability to calculate the injury rate (the sum of all injuries/the sum of athlete exposures*1000) which is the gold standard for comparison of injury incidence across groups (games to practices, males to females, etc.). All Exposure information for athletic Activities, regardless of whether or not an injury was incurred, needs to be included. This may be a change from the data elements

currently collected by your commercial software program, if there are any concerns please contact the Datalys Center (see Contact Information).

EXPOSURE RECORD TRANSMISSION, NUM_ATHLETES AND TOTAL_ATHLETES VARIABLES

In order for data to pass through the verification engine and load to the database properly, *exposures (and the associated injuries) should only be transmitted through the current calendar date*. Exposures occurring before the current date that were forgotten or need to be updated may be sent. The problem with sending exposures before the activity occurs is that the Num_Athletes variable cannot be established. Also with the Total_Athletes variable, if the exposure is sent before a roster is completed the number may not be accurate depending how a system records this variable.

ATHLETIC VERSUS NON-ATHLETIC INJURIES

The Datalys Center requires the entry of non-athletic injuries or problems to be sent for the secondary school data collection. For an injury or problem that is not associated with an athletic team activity (e.g., a scheduled team practice or competition), the record must be sent as Treatment Table record. Further explanation will be provided in Codebook 5 – Treatment.

MULTIPLE INJURIES INCURRED DURING A SINGLE INJURY EVENT

In order to accurately analyze injuries, the Datalys Center needs to be able to identify when a single Injury Event results in multiple Injuries to an athlete. These Injuries may be to different body parts (e.g., ankle sprain and foot fracture) or to the same body part, but different structures (e.g., knee with an anterior cruciate ligament sprain and a medial meniscus tear). It is important that each of the multiple injuries be linked to the single injury event by the unique identifier for the Injury Event table (*see Codebooks - Injury Event*).

UNIQUE IDENTIFIERS FOR DATA TABLES

To avoid any duplication of data, a system of Unique Identifiers (UID) has been established. The UID's apply to the Exposure, Injury Event and Injury Detail tables (the Concussion table uses the Record_UID_Inj). These Unique Identifiers apply across an entire Institution (School_ID). They are not Sport or Academic Year specific.

IDENTIFYING RECORDS IN ORIGINAL DATA ENTRY

Identifying records in original data entry – The Datalys Center requires a vendor to enable the Unique Identifiers for the Exposure, Injury Event and Athlete to be searchable in the original data entry system. This ensures data quality and enables communication between the Datalys Center and Athletic Trainers entering data without the need for vendor's assistance. The Athlete UID search capability enables a vendor system to be *compatible with additional Datalys Center programs* (e.g., secondary schools outcomes data collection).

DATA EXPORTING

When an injury event, injury detail, or concussion record is updated, all three components must be re-submitted. For example, if an athletic trainer updates the Return_Date field in the Injury Event Table, the Injury Details and Concussion information associated with this Injury Event should also be resubmitted to our system. This ensures that all necessary data for the injury record information is transmitted to the database. If it is more convenient, all exposures, injury events, injury details, and concussions from the current academic year for a given school may be included in every XML submission.

DATA ORGANIZATION

The data requested is organized into 5 tables:

EXPOSURE TABLE

Contains information about Team Events/Activities – dates, sports, competitions and practices, number of participants, etc.

INJURY EVENT TABLE

Contains information about the circumstances of the injury. For example: What was the athlete doing at the time of the injury? Where did it happen? When did it happen?

INJURY DETAIL TABLE

Contains information on the specific details of the injury itself. For example: What part of the body was injured? What type of injury?

CONCUSSION TABLE

Contains detailed information on any concussion injury.

TREATMENT TABLE

Contains detailed information on all treatments administered for injuries, non-athletic injuries or problems. Also contains information on non-athletic injuries or problems that required athletic trainer attention but did not result in treatment needed.

Detailed information regarding each Table's data definitions (Column names) and valid options are included in the individual Codebooks (*see Codebooks*).

DATA TRANSMISSION AND SECURITY

1. In order for a school to participate in the outcomes data collection portion of NATION, nightly/daily data transmission is required for the Secondary School program. **This is the only way** a school wishing to be a part of the Outcomes data collection will be able to participate in both the surveillance and outcomes portions of the program. The daily data submission is required due to the time sensitivity of the Outcomes surveys and the need for consistent survey completion by student- athletes. The Outcomes website and survey data collection are separate from a vendor's program and are administered by the Datalys Center.
2. Data will be submitted by a web service protocol. Data requirements for the XML schema and submission of data through the web service connection is available at:
<https://datalys01.arivium.com/Downloads/DatalysConnect.zip>
3. Information includes the schema definition, use of standard xml tags and sending 1 XML with 5 components, allowing for tables to be transmitted independently (if the data is linked to previously submitted records). Vendors may check their submissions through one of the Datalys web service connectors. Data may be submitted at any time. Checking on a submission will be slower from 12:00 am until 2:00 am, but vendors will still receive a confirmation code with each submission to provide feedback of data reception.

4. The XML file should contain data from only one school or academic institution.
5. The Datalys Center will provide each vendor a unique username and password for accessing the web service. This unique username and password will be used by the Datalys Center to authenticate each data transmission. (For Certification, a test username and password will be provided).
6. Data security is ensured by utilizing the secure web service connection and by vendors only submitting de-identified data. Vendors will be provided a specific test username, password, school id and vendor id once they are ready to conduct a test data transmission. After becoming certified, a permanent username, password and vendor id will be provided by the Datalys Center. This will be used for every XML file transmission. The school IDs will be provided in the *Appendix 1 – School Sports*. Unlike the NCAA data collection, the Secondary School Appendix 1 will be updated as schools or school districts choose to join the program.
7. Data sent for a sport that a school does not sponsor will not be accepted and a Partial Success error message will be generated (a school's sports are listed in *Appendix 1 – School Sports*).
 - a. Data will be accepted for those sponsored sports included in a submission with non-sponsored sports. A school may submit data for all their championship sports or a subset of their championship sports.

CERTIFICATION

The end-to-end process of “Certifying” a Vendor is as follows:

1. The vendor will first notify the Datalys Center of its intention to pursue Certification. This notification will be done by delivering to the Datalys Center a fully executed Participation Agreement. The Participation Agreement is the document that governs the relationship between the Datalys Center and the Vendor. The Participation Agreement will be provided as a supplemental document, but may be sent in conjunction with this document (Datalys Center Export Engine Data Specifications).
2. The Datalys Center will then:
 - a. Provide to the vendor a **TestVendorID**, **TestSchoolID**, **TestUserName** and **TestPassword**.
 - b. Send the spreadsheet files of the Appendices as native .XLS files.
 - c. Make available the **Test Data** package
3. Using the Test Data provided, the vendor will then create its initial data export transmission to the Datalys Center.

4. The Datalys Center will verify the accuracy of the incoming data. Once the initial test data submission passes, the Datalys Center will provide a second smaller test data file for submission to assure a vendor's ability to update data.
5. In order for a vendor program to enable users to participate in the Outcomes portion of the Secondary School data collection, the Datalys Center requires a test version of the program to be provided for training and testing. The Datalys Center staff will use this version of the software for 2 purposes, to ensure the ability to send an injury that will properly initiate the Outcomes program and to train/educate users on proper data entry. The test version of a vendor's program must be provided to the Datalys Center before final certified status will be awarded to a vendor.
6. Upon completion of all test data submissions, the Datalys Center will award "Certification" status.
7. As defined in the Participation Agreement, the Datalys Center Export Engine Data specifications may be updated annually, which will require Vendors to re-test and re-certify annually.

LIST OF APPENDICES

1. *Sports*: This lists each individual sports and associated codes that can be reported through NATION.
2. *Injev_Basic Mechanism by Injev_Specific Mechanism*: This lists each specific injury mechanism and code by sport, as well as the allowable combinations of specific and basic mechanisms.
3. *Injev_Activity*: This lists each of the Injury Event Activities, the corresponding code, and the sports in which the code is allowed and should be an option.
4. *Injev_SegEvent*: This lists each of the Injury Event Segments in which the injury could occur, the corresponding code, and the sports in which the code is allowed and should be an option.
5. *Injev_Location*: This lists each of the Locations where an Injury Event could occur, the corresponding code, and the sports in which the code is allowed and should be an option.
6. *Injev_Player_Position*: This lists each of the positions in which a player could be participating when the injury occurred, the corresponding code, and the sports in which the code is allowed and should be an option.
7. *Injury_or_Illness*: This lists all of the possible injury or illnesses the AT can submit and the corresponding code. Additionally, it provides the body part and code, injury or illness group and code, and the body structure and code that correspond with each specific injury or illness the AT submits.

LIST OF CODEBOOKS

1. Exposure table
2. Injury Event table
3. Injury Detail table
4. Concussion table
5. Treatment table

EXPORT TABLE 1. EXPOSURE TABLE

Purpose: Includes information about competitions and practices (with the number of participating athletes) for each event and sport in each academic year.

Unique Identifier: Record_UID_Exp

Number of Records: One record for each scheduled team event (such as a practice or competition).

Notes: Multiple entries are permitted for each day. The unique identifier, Record_UID_Exp is assigned to each unique combination of SCHOOL_ID + YEAR + SPORT + EVENT_DATE + EVENT_ORDER.

TABLE 1: SUMMARY LIST OF DATA ITEMS

School_ID	Datalys Center's unique identifier for each institution
Year	Academic year of participant reports
Sport	Secondary School Sport
Event_Date	Date of scheduled team event (ccyymmdd)
Event_Order	Order of the event within a single day
Event_Type	Type of event/activity
Num_Athletes	Number of student-athletes available for this event (Total_Athletes less non-participants)
Total_Athletes	Total Number of student-athletes on Roster on the day of the event
Season	Segment of season for event
Surface	Type of playing surface
Vendor_ID	Unique number of the vendor sending the data
Record_Type_Exp	Type of record being transmitted: new, updated or deletion of previous injury record
Record_UID_Exp	Unique record I.D. assigned by system – must not be changed once assigned

School_ID

Num

Short description: Datalys Center's unique identifier for each secondary school institution.

Values: 100000 - 999999

Datalys Provided Test School ID = dummy School_ID for testing.

Note 1: Use Datalys Provided Test School ID for testing purposes only. (See *Appendix 1* for list of valid 6-digit values for School_IDs to utilize after certification is completed.)

Note 2: Appendix 1 will be updated as new schools choose to participate in secondary school data collection. Vendors will be sent updated information as it becomes available.

Note 3: When sending a record for deletion, School_ID must be the real value for School_ID that was attached to the original record.

Year **Char String 4 Digits (LZF)** Leading zero filled

Short description: Academic year of participant reports

Values: yyyy (4 digit field)

Note 1: e.g. 1011 for 2010/2011 academic year

Note 2: The academic year is July 1-June 30

Note 3: When sending a record for deletion, Year must be the real value for Year that was attached to the original record.

Sport **Char String 4**

Short description: Secondary School Sport

Values: cc-c (4 character field)

See *Appendix 1* for list of valid Sport codes

Note 1: Data sent for a secondary school sport that a school does not sponsor will not be accepted and a Partial Success error message will be generated. Data will be accepted for those sponsored sports included in a submission with non-sponsored sports.

Note 2: A school may submit data for all their sponsored sports or a subset of their sponsored sports.

Note 3: When sending a record for deletion, Sport must be the real value for Sport that was attached to the original record.

Event_Date **Char String 8 Digits**

Short description: Date of scheduled team event

Values: ccyyymmdd (date value)

Event_Order**Num**

Short description: Order of team event within a single day per sport

Values: 1 = First
2 = Second
3 = Third
4 = Fourth
5 = Fifth
...and so forth
9999 = Unknown

Note 1: e.g. 1, 2, 3, 4 ... 10 etc... for this event on this Event_Date

Note 2: Example 1: Football camp - the morning practice would be event order #1 and the afternoon practice would be event order #2

Example 2: A volleyball practice followed by a game in a day- practice would be event order 1 and the game would be event order 2

Event_Type**Num**

Short description: Type of team event/activity

Values: 1 = Competition (Game)
2 = Scheduled team practice (varsity)
3 = Captain's practice
4 = Scrimmage
5 = Strength/conditioning
6 = Skill Instruction
7 = Competition (JV Game)
8 = Other
9 = Scheduled team practice (JV)
10 = Walk-through
9999 = Unknown

Num_Athletes**Num**

Short description: Number of student athletes participating in event

Values: 1 – 999
9999 = Unknown

Note 1: Total_Athletes (defined below) minus the number of non-participants at the time of each scheduled team event.

A non-participant is defined as any athlete not participating in the team activity due to an injury or some other conflict (e.g., class, physician appt, etc.). The total of Num_Athletes is only the number of athletes that were present at the activity who were at risk for injury due to their participation.

Total_Athletes**Num**

Short description: Total number of STUDENT-ATHLETES on roster.

Values: 0 – 999

9999 = Unknown

Note 1: This is the maximum number of athletes who could be present for the scheduled team event.

Season**Num**

Short description: Segment of the season for sport

Values:

1 = Preseason - Formal team practices/competitions before first regular season competition

2 = Regular season - First regular season competition through last regular season competition

3 = Postseason - Formal team activities following last regular season competition through last post-season competition

4 = Out of season - Training time that falls outside of traditional and non-traditional seasons but within academic year (excludes summer)

Note 1: Use “Out of season” when the team is training together, but not during one of the other defined seasons above.

Surface**Num**

Short description: Type of playing surface

Values: 1 = gym/court floor

2 = natural grass

3 = field turf

4 = other turf

5 = floor mat

6 = water

7 = ice/snow

10 = clay

11 = hard court

12 = synthetic

13 = track

14 = trail

15 = sand

9999 = Unknown

Vendor_ID**Num**

Short description: Unique number of the vendor sending the data

Values: nnnn (4 digit field)

Note1: This number will be provided by the Datalys Center to vendors.

Note2: When sending a record for deletion, Vendor_ID must be the real value for Vendor_ID that was attached to the original record.

Record_Type_Exp**Num**

Short description: Type of record being transmitted - new or updated

Values: 1 = New record
2 = Update of an existing record
3 = Delete an existing record

Note 1: When sending a record for deletion, Record_Type_Exp must be the real value for Record_Type_Exp that indicates a deletion (3).

Record_UID_Exp**Char String = "A" + 15 Digits**

Short description: Unique record number **automatically** assigned by local system prior to transmission

<u>Values:</u> Asssstnnnnnn	"A"	designates this as an Exposure UID
	ssssss	6-char SCHOOL_ID from above
	tt	2-char "00" (SCHOOL_ID site)
	nnnnnn	7-digit seq# (LZF) unique at School & site

Note 1: Indexes the exposure records for each School_ID. The local software needs to store these numbers in a local table so that if the AT updates information for a team event, this identifier can be retrieved and applied to the record. Once it is assigned, this number should not be changed.

Note 2: This will allow us to identify duplicate entries (i.e. the new record and the updated one) or the same event even if event date is changed.

Note 3: When sending a record for deletion, Record_UID_Exp must be the real value for Record_UID_Exp that was attached to the original record.

Note 4: SCHOOL_ID site - The values for "tt" may be used by a vendor to identify unique sites within a school sending data and can range in value from 00 to 99.

EXPORT TABLE 2. INJURY EVENT TABLE

Purpose: Includes information about each Injury Event.

Unique Identifier: Record_UID_Injev

Number of Records: One record for each Injury Event created or modified during the time period covered by this transmission.

Note 1: The Unique Identifier is assigned to each unique combination of Athlete_UID + Record_UID_Exp.

Note 2: Each Injury Event record MUST have a matching Exposure (team event) record

Note 3: An Injury Event record may have multiple Injury Detail records attached to it (see *Injury Detail Table* for additional notes)

TABLE 2: SUMMARY LIST OF DATA ITEMS

Data Management Fields	
Athlete_UID	Unique identifier for each student-athlete at each institution. Uniquely indexes each student-athlete across multiple years
Record_Type_Injev	New incident injury event record, an update to an existing injury event record or a deletion of previous injury event record
Record_UID_Injev	Unique record I.D. assigned by system – must not be changed once assigned
Exposure Field	
Record_UID_Exp	Unique record I.D. of Team Event student-athlete was participating in at time of injury (reference to Exposure table)
Injury Event Fields	
Injev_Basic_Mechanism	Basic mechanism of injury event
Injev_Specific_Mechanism	Specific mechanism of injury event
Injev_Activity	Activity at time of injury
Injev_Segevent	Segment of practice or competition when the Injury Event occurs.
Injev_Location	Location on field at time of injury
Injev_Player_Position	Position played at time of injury event
Class_Year	Freshman, Sophomore, Junior, etc.
Gender	Gender of Athlete
Injury_Assessment	Medical professional performing injury assessment
Emergency_Transport	Urgently transported by emergency vehicle
Outcome	Amount of time lost due to injury
Return_Date	Date returned to scheduled team activities, even if with limitations/accommodations.

DATA MANAGEMENT FIELDS

Athlete_UID

Char String = "D" + 15 Digits

Short description: Unique record number assigned by local system prior to transmission.

Values: Dsssstnnnnnnn "D" designates this as a Student-Athlete UID
ssssss 6-char SCHOOL_ID from above
tt 2-char "00" (SCHOOL_ID site)
nnnnnnn 7-digit seq# (LZF leading zero filled) unique within School & site

Note 1: Uniquely indexes each student-athlete at each School_ID. The local software assigns this I.D. and once assigned by the System, this I.D. should not be changed.

Note 2: SCHOOL_ID site - The values for "tt" may be used by a vendor to identify unique sites within a school sending data and can range in value from 00 to 99.

Record_Type_Injev

Num

Short description: Type of record being transmitted

Values: 1 = New record
2 = Update of an existing record
3 = Delete an existing record

Note 1: When sending a record for deletion, Record_Type_Injev must be the real value for Record_Type_Injev that indicates a deletion (3).

Note 2: When sending an update of an existing record, the Injury Details record and Concussion record associated with the Injury Event record should be re-submitted.

Record_UID_Injev

Char String = "B" + 15 Digits

Short description: Unique record number assigned by local system prior to transmission.

Values: Bsssstnnnnnnn "B" designates this as an Injury Event
ssssss 6-char SCHOOL_ID from field #1 above
tt 2-char "00" (SCHOOL_ID site)
nnnnnnn 7-digit seq# (LZF) unique within School & site

Note 1: Indexes the Injury Event records for each School_ID. The local software must store these identifiers in a local table so that if the AT modifies information for a specific Injury Event record, this identifier can be used to retrieve the original record for update. Once it is assigned, this I.D. should not be changed.

Note 2: When sending a record for deletion, Record_UID_Injev must be the real value for Record_UID_Injev that was attached to the original record.

Note 3: SCHOOL_ID site - The values for "tt" may be used by a vendor to identify unique sites

within a school sending data and can range in value from 00 to 99.

EXPOSURE FIELDS

Record_UID_Exp

Char String = "A" + 15 Digits

Short description: Unique record I.D. of the Team Event (Exposure) the student- athlete was participating in at time of injury (*from the Exposure Table*).

Value: This I.D. comes from the associated Exposure record

Note 1: When sending a record for deletion, Record_UID_Exp must be the real value for Record_UID_Exp that was attached to the original record.

INJURY EVENT FIELDS

Injev_Basic_Mechanism

Num

Short description: Basic Injury Mechanism

Values:

- 000 = No apparent Contact
- 100 = Contact with another person
- 200 = Contact with playing surface
- 300 = Contact with playing apparatus
- 400 = Contact with out of bounds objects
- 500 = Overuse / gradual onset (e.g. tendinitis, blisters)
- 600 = Infection
- 700 = Illness
- 9998 = Other
- 9999 = Unknown

Note 1: Basic Injury Mechanism (BIMs) codes are the same for all sports

Injev_Specific_Mechanism

Num

Short description: Specific Mechanism of injury

Values: See **Appendix 2** for the list of combinations of Basic Injury Mechanism (BIM) by Specific Injury Mechanism (SIM).

Note 1: Specific Injury mechanism is specific to each sport. If no SIM, code as 9997

Note 2: Basic Injury Mechanism applies to all sports.

Injev_Activity

Num

Short description: Activity at time of injury (e.g. jumping, shooting)

Values: See **Appendix 3** for the list of valid choices

Note 1: Injev_Activity is sport specific. Applies to all sport for both practices and competitions.

Injev_Segevent**Num**

Short description: Segment of practice or competition when the Injury Event occurs.

Values: See **Appendix 4** for the list of valid choices

Note 1: Competition Injev_Segevent are sport specific.

Note 2: For Practice injuries, Injev_Segevent should only be Event (practice), code 3 from **Appendix 4**.

Injev_Location**Num**

Short description: Location on playing field or playing area at time of injury

Values: See **Appendix 5** for the list of valid choices

Note 1: Injev_Location is sport specific. Applies to all sports.

Injev_Player_Position**Num**

Short description: Athlete's playing position at time of injury.

Values: See **Appendix 6** for the list of valid choices

Note 1: Injev_Player_Position is sport specific and applies to all practices and competitions.

Note 2: Injev_Player_Position is coded to the weight class for wrestling.

Class_Year**Char 2**

Short description: Class/Year in secondary school

Values: ST = Sixth Grade
SV = Seventh Grade
ET = Eight Grade
FR = Freshman
SO = Sophomore
JR = Junior
SR = Senior
UK = Unknown

Gender**Char 1**

Short description: Athlete gender

Values: F = Female
M = Male
U = Unknown or missing

Injury_Assessment**Num**

Short description: Medical professional who performed assessment of injury

Values: 1 = AT

2 = Physician

3 = Dentist

4 = Nurse

5 = PA

6 = PT

7 = ER

8 = Other

9999 = Unknown

Emergency_Transport**Num**

Short description: An emergency vehicle was used to transport the athlete to some form of urgent or emergent care facility

Values: 0 = no

1 = yes

9999 = Unknown

Outcome**Num**

Short description: Time lost from sport due to injury

Values: 1 = Did not interfere with activity

2 = Returned to team activity within the same session as the injury

3 = Removed from team activity session (returned within 24 hours)

4 = Prevented participation in scheduled team activity sessions for 1-6 days

5 = Prevented participation in scheduled team activity sessions for 7-13 days

6 = Prevented participation in scheduled team activity sessions for 14-29 days

7 = Prevented participation in scheduled team activity sessions for 30+ days

8 = Out for remainder of season

9 = Death or catastrophic injury

10= Career-ending injury (Medical disqualification)

11= Career-ending injury (Athlete's decision)

9999 = Unknown

Return_Date**Char String 8 Digits**

Short description: Date returned to participation in scheduled team activities (Even with limitations/accommodations)

Values: ccyyymmdd (date value)

99999999 if injury is season ending, career-ending or catastrophic

Note 1: Data will be accepted with no Return_Date with the expectation that it will be flagged and the AT will be reminded to complete the record.

Relationship of OUTCOME to RETURN DATE variables

<i>When AT Inputs this value for OUTCOME...</i>	<i>RETURN DATE is set to or verified as within the limits of...</i>
1 = Did not interfere with activity	Injury Event Date (Same date as the Event_Date [Exposure Table] of the Activity the Injury occurred in)
2 = Returned to team activity within the same session as the injury	Injury Event Date
3 = Removed from team activity session (Returned within 24 hours)	Injury Event Date
4 = Prevented participation in scheduled team activity sessions for 1-6 days	Verify it is \geq Injury Date + 1 day and \leq Injury Date + 6 days OR 99999999
5 = Prevented participation in scheduled team activity sessions for 7-13 days	Verify it is \geq Injury Date + 7 days and \leq Injury Date + 13 days OR 99999999
6 = Prevented participation in scheduled team activity sessions for 14-29 days	Verify it is \geq Injury Date + 14 days and \leq Injury Date + 29 days OR 99999999
7 = Prevented participation in scheduled team activity sessions for 30+ days	Verify it is \geq Injury Date + 30 days and \leq Injury Date + 365 days OR 99999999
8 = Out for remainder of season	Injury Date + 30 days OR 99999999
9 = Death or catastrophic injury	99999999
10 = Career-ending injury (Medical)	99999999
11 = Career-ending injury (Athlete's decision)	99999999
9999 = Unknown	99999999
<i>When AT Inputs this value for RETURN DATE...</i>	<i>Valid choices for OUTCOME are...</i>
Any date prior to date of injury	No valid choices, Return Date must be injury date or later
Injury date	1 = Did not interfere with activity; 2 = Returned to team activity within the same session as the injury; 3 = Removed from team activity session
Any return date that is \geq Injury Date + 1 day and \leq Injury Date + 6 days	4 = Prevented participation in scheduled team activity sessions for 1-6 days
Any return date that is \geq Injury Date + 7 days and \leq Injury Date + 13 days	5 = Prevented participation in scheduled team activity sessions for 7-13 days
Any return date that is \geq Injury Date + 14 days and \leq Injury Date + 29 days	6 = Prevented participation in scheduled team activity sessions for 14-29 days
Any return date that is \geq Injury Date + 30 days and \leq Injury Date + 365 days	7 = Prevented participation in scheduled team activity sessions for 30+ days; 8 = Out for remainder of season
Any date that is \geq Injury date + 366 days	8 = Out for remainder of season

EXPORT TABLE 3. INJURY DETAIL TABLE

Purpose: Includes information about the details of injuries sustained by student-athletes.

Unique Identifier: Record_UID_Inj

Number of Records: One record for each unique injury sustained; there may be multiple Injury Detail records for a single Injury Event.

Note 1: The unique identifier Record_UID_Inj is assigned to each unique combination of Record_UID_Injev + Injury_Identifier.

TABLE 3: SUMMARY LIST OF DATA ITEMS

Data Management Fields	
Record_UID_Injev	Unique identifier of the injury event this injury detail record is associated with (reference to Injury Event table)
Injury_Identifier	Unique identifier for each injury for each injury event for each student-athlete at each institution
Record_Type_Inj	New incident injury record, update to an existing injury record or deletion of previous injury record
Record_UID_Inj	Unique ID number for each injury detail record for that injury event – assigned locally and must not be changed
Injury Detail Fields	
Injury_Or_Illness_Code	Specific Injury or Illness (detailed description)
Side	Side of Body
Surgery	Surgery required or expected within 6 months?
New_Injury	Recurrent vs. New Injury
Chronic_Injury	Chronic, Lingering, Overuse, or Gradual Onset Injury
Concussion	Was the injury a concussion (yes or no)?

DATA MANAGEMENT FIELDS

Record_UID_Injev Char String = "B" + 15 Digits

Short description: Unique record number of the Injury Event to which this Injury Detail record is attached (*from the Injury Event table*).

Note 1: The Record_UID_Injev may be repeated in this table if there are multiple injuries for the Injury Event. There should not be individual Injury Event Record_UID_Injev numbers created for each of the multiple injuries in a single Injury Event.

Note 2: If there are questions regarding how to implement the Record_UID_Injev, please contact the Datalys Center (see Contact Information).

Note 3: When sending a record for deletion, Record_UID_Injev must be the real value for Record_UID_Injev that was attached to the original record.

Injury_Identifier**Char String 2 Digits LZF (Leading Zero Filled)**

Short description: Unique identifier for each Injury Detail record for cases where more than one injury occurs on an Injury Event.

Values: 01 - 99 = 2-digit number

Note 1: Links Injury Detail records to Injury Event records. This will be coded as "01" if the Injury Event resulted in only 1 Injury. Coded as "01" and "02" if the Injury Event resulted in 2 Injuries, etc. (e.g., ACL (01); MCL (02)).

Note 2: This variable comprises the last 2 digits of the Record_UID_Inj (a character string of "C" + 17 digits). As such, this variable should not be changed, even if there are Injury Detail records for an Injury Event deleted.

Record_Type_Inj**Num**

Short description: Type of record being transmitted

Values: 1 = New record
2 = Update of an existing record
3 = Delete an existing record

Note 1: When sending a record for deletion, Record_Type_Inj must be the real value for Record_Type_Inj that indicates a deletion (3).

Record_UID_Inj**Char String = "C" + 17 Digits**

Short description: This unique record number is created by using the Record_UID_Injev ("B" + 13 Digits - see above), replacing the "B" with "C" and appending the variable of Injury Identifier (see above) to create the necessary 15 digits. This will create a unique number for every Injury Detail record, but also link multiple injuries to the correct Injury Event record. This is assigned by local system prior to transmission.

Note 1: Indexes the Injury Detail records for each injury sustained in the Injury Event. The local software must store this Identifier in a local table so that if the AT modifies information for a specific Injury Detail record, the identifier can be used to retrieve the original record for update. Once it is assigned, this I.D. should not be changed, even if one of the multiple injuries to a single injury event is deleted.

Note 2: When sending a record for deletion, Record_UID_Inj must be the real value for Record_UID_Inj that was attached to the original record.

INJURY DETAIL FIELDS

Injury_Or_Illness_Code **Num**
Short description: Specific injury or illness.

Values: See **Appendix 7, Column F (Injury_or_Illness_Code)** for the list of valid choices

Note 1: See **Appendix 7** for the relationship between BodyPart_or_System and Injury_or_Illness.

Side **1 Char**
Short description: Side of body that was injured

Values: L = Left
 R = Right
 B = Bilateral
 U = Unknown
 D = Does not apply

Note: There are no longer restrictions on the type of injury for choosing side of body. All injuries should have the option to choose any of the 5 valid values.

Surgery **Num**
Short description: Surgery performed or anticipated within six months

Values: 0 = no
 1 = yes
 9999 = Unknown

New_Injury **Num**
Short description: New or recurrent injury

Values: 0 = New injury
 1 = Recurrence of an injury earlier in the current academic year
 2 = Recurrence of an injury from a previous academic year
 9999 = Missing or unknown

Chronic_Injury **Num**
Short description: Injury is “chronic, lingering, overuse or gradual onset” in nature, in the clinical judgment of the AT.

Values: 0 = no
 1 = yes
 9999 = unknown

Concussion**Num**

Short description: The injury was a concussion

Values: 0 = no

1 = yes

9999 = unknown

EXPORT TABLE 4. CONCUSSION TABLE

Purpose: Includes detailed data on each concussion.

Unique Identifier: Record_UID_Inj

Number of Records: One record for each injury event with a concussion injury.

TABLE 4: SUMMARY LIST OF DATA ITEMS

Data Management Fields	
Record_UID_Inj	Unique identifier of the injury detail record this concussion record is associated with (reference to Injury Detail table).
Record_Type_Con	New Concussion record, update to an existing Concussion record or deletion of a previous Concussion record
Concussion Detail Fields	
C_Headache	Concussion symptom – headache
C_Nausea	Concussion symptom – nausea
C_Dizziness	Concussion symptom – dizziness
C_Irritable	Concussion symptom – irritability
C_Concentration	Concussion symptom – difficulty concentrating
C_Drowsy	Concussion symptom – drowsiness
C_Sensitive_Light	Concussion symptom – sensitivity to light
C_Sensitive_Noise	Concussion symptom – sensitivity to noise
C_Balance	Concussion symptom – balance problems
C_Sadness	Concussion symptom – sadness
C_Nervous	Concussion symptom – nervous or anxious
C_Move_Slow	Concussion symptom – moving slow
C_Feel_Slow	Concussion symptom – feeling/thinking slowed down
C_Think_Clear	Concussion symptom – Hard to think clearly/feeling mentally foggy
C_Fatigue	Concussion symptom – Tired or fatigued
C_Remember	Concussion symptom – Difficulty remembering
C_Visual	Concussion symptom – visual problems (blurry, double vision)
C_Vomit	Concussion symptom – vomiting
C_Insomnia	Concussion symptom – trouble falling asleep
C_Sleep_More	Concussion symptom – Sleeping more than usual
C_Sleep_Less	Concussion symptom – Sleeping less than usual
C_Numb	Concussion symptom – Numbness or tingling
C_Clumsy	Concussion symptom – Move in a clumsy manner
C_Answer_Slow	Concussion symptom – Answer questions more slowly than normal
C_Hyperexcite	Concussion symptom – more emotional
C_Dazed	Concussion symptom – Feel dazed or stunned
C_Confused	Concussion symptom – Get confused with directions or tasks
C_Tinnitus	Concussion symptom – tinnitus (ringing in the ears)
C_Neck	Concussion symptom – neck pain
C_Pressure	Concussion symptom – “pressure in head”
C_Disoriented	Concussion symptom – disorientation
C_Unconscious	Concussion symptom – loss of consciousness
C_Amnesia_Pt	Concussion symptom – post-traumatic amnesia
C_Amnesia_Retro	Concussion symptom – retrograde amnesia
C_None_Apply	Concussion – no symptoms above apply
C_Concussion_Time	Concussion – time to resolution of symptoms

DATA MANAGEMENT FIELDS

Record_UID_Inj **Char String = "C" + 17 Digits**

Short description: This unique record number is created in the Injury Detail table.

Value: This ID comes from the associated Injury Detail record

Note 1: When sending a record for deletion, Record_UID_Inj must be the real value for Record_UID_Inj that was attached to the original record.

Record_Type_Con **Num**

Short Description: Type of record being transmitted - new or updated

Values: 1 = New record
2 = Update of an existing record
3 = Delete an existing record

Note 1: When sending a record for deletion, Record_Type_Con must be the real value for Record_Type_Con that indicates a deletion (3).

CONCUSSION DETAIL FIELDS

C_Headache **Num**

Short description: Concussion symptom: Headache

Values: 0 = no
1 = yes
9999 = unknown

Note 1: undefined if Concussion = No (0)

C_Nausea **Num**

Short description: Concussion symptom: Nausea

Values: 0 = no
1 = yes
9999 = unknown

Note 1: undefined if Concussion = No (0)

C_Dizziness **Num**

Short description: Concussion symptom: Dizziness

Values: 0 = no
1 = yes
9999 = unknown

Note 1: undefined if Concussion = No (0)

C_Irritable **Num**
Short description: Concussion symptom: Irritability

Values: 0 = no
1 = yes
9999 = unknown

Note 1: undefined if Concussion = No (0)

C_Concentration **Num**
Short description: Concussion symptom: Difficulty concentrating

Values: 0 = no
1 = yes
9999 = unknown

Note 1: undefined if Concussion = No (0)

C_Drowsy **Num**
Short description: Concussion symptom: Drowsiness

Values: 0 = no
1 = yes
9999 = unknown

Note 1: undefined if Concussion = No (0)

C_Sensitive_Light **Num**
Short description: Concussion symptom: Sensitivity to Light

Values: 0 = no
1 = yes
9999 = unknown

Note 1: undefined if Concussion = No (0)

C_Sensitive_Noise **Num**
Short description: Concussion symptom: Sensitivity to noise

Values: 0 = no
1 = yes
9999 = unknown

Note 1: undefined if Concussion = No (0)

C_Balance **Num**
Short description: Concussion symptom: Balance Problems

Values: 0 = no
1 = yes
9999 = unknown

Note 1: undefined if Concussion = No (0)

C_Sadness **Num**
Short description: Concussion symptom: Sadness

Values: 0 = no
1 = yes
9999 = unknown

Note 1: undefined if Concussion = No (0)

C_Nervous **Num**
Short description: Concussion symptom: Nervous or anxious

Values: 0 = no
1 = yes
9999 = unknown

Note 1: undefined if Concussion = No (0)

C_Move_Slow **Num**
Short description: Concussion symptom: Moving slow

Values: 0 = no
1 = yes
9999 = unknown

Note 1: undefined if Concussion = No (0)

C_Feel_Slow **Num**
Short description: Concussion symptom: Feeling/thinking slowed down

Values: 0 = no
1 = yes
9999 = unknown

Note 1: undefined if Concussion = No (0)

C_Think_Clear**Num**

Short description: Concussion symptom: Hard to think clearly/feeling like “in a fog”

Values: 0 = no

1 = yes

9999 = unknown

Note 1: undefined if Concussion = No (0)

C_Fatigue**Num**

Short description: Concussion symptom: Tired or fatigued

Values: 0 = no

1 = yes

9999 = unknown

Note 1: undefined if Concussion = No (0)

C_Remember**Num**

Short description: Concussion symptom: Difficulty remembering

Values: 0 = no

1 = yes

9999 = unknown

Note 1: undefined if Concussion = No (0)

C_Visual**Num**

Short description: Concussion symptom: Visual problems (blurry, double vision)

Values: 0 = no

1 = yes

9999 = unknown

Note 1: undefined if Concussion = No (0)

C_Vomit**Num**

Short description: Concussion symptom: Vomiting

Values: 0 = no

1 = yes

9999 = unknown

Note 1: undefined if Concussion = No (0)

C_Insomnia**Num**

Short description: Concussion symptom: Trouble falling asleep

Values: 0 = no

1 = yes

9999 = unknown

Note 1: undefined if Concussion = No (0)

C_Sleep_More**Num**

Short description: Concussion symptom: Sleeping more than usual

Values: 0 = no

1 = yes

9999 = unknown

Note 1: undefined if Concussion = No (0)

C_Sleep_Less**Num**

Short description: Concussion symptom: Sleeping less than usual

Values: 0 = no

1 = yes

9999 = unknown

Note 1: undefined if Concussion = No (0)

C_Numb**Num**

Short description: Concussion symptom: Numbness or tingling

Values: 0 = no

1 = yes

9999 = unknown

Note 1: undefined if Concussion = No (0)

C_Clumsy**Num**

Short description: Concussion symptom: Move in a clumsy manner

Values: 0 = no

1 = yes

9999 = unknown

Note 1: undefined if Concussion = No (0)

C_Answer_Slow**Num**

Short description: Concussion symptom: Answer questions more slowly than normal

Values: 0 = no

1 = yes

9999 = unknown

Note 1: undefined if Concussion = No (0)

C_Hyperexcite**Num**

Short description: Concussion symptom: More emotional

Values: 0 = no

1 = yes

9999 = unknown

Note 1: undefined if Concussion = No (0)

C_Dazed**Num**

Short description: Concussion symptom: Feel dazed or stunned

Values: 0 = no

1 = yes

9999 = unknown

Note 1: undefined if Concussion = No (0)

C_Confused**Num**

Short description: Concussion symptom: Get confused with directions or tasks

Values: 0 = no

1 = yes

9999 = unknown

Note 1: undefined if Concussion = No (0)

C_Tinnitus**Num**

Short description: Concussion symptom: Tinnitus (ringing in the ears)

Values: 0 = no

1 = yes

9999 = unknown

Note 1: undefined if Concussion = No (0)

C_Neck**Num**

Short description: Concussion symptom: Neck pain

Values: 0 = no

1 = yes

9999 = unknown

Note 1: undefined if Concussion = No (0)

C_Pressure**Num**

Short description: Concussion symptom: "Pressure in head"

Values: 0 = no

1 = yes

9999 = unknown

Note 1: undefined if Concussion = No (0)

C_Disoriented**Num**

Short description: Concussion symptom: Disoriented or confused

Values: 0 = no

1 = yes

9999 = unknown

Note 1: undefined if Concussion = No (0)

C_Unconscious**Num**

Short description: Concussion symptom: Loss of consciousness

Values: 0 = no

1 = yes

9999 = unknown

Note 1: undefined if Concussion = No (0)

C_Amnesia_Pt**Num**

Short description: Concussion symptom: Post traumatic amnesia

Values: 0 = no

1 = yes

9999 = unknown

Note 1: undefined if Concussion = No (0)

C_Amnnesia_Retro**Num**

Short description: Concussion symptom: Retrograde amnesia

Values: 0 = no

1 = yes

9999 = unknown

Note 1: undefined if Concussion = No (0)

C_None_Apply**Num**

Short description: None of the concussion symptoms above apply

Values: 0 = no

1 = yes

9999=missing

Note 1: Set to 1 = yes if and only if no symptoms above apply

Note 2: If concussion record is not entered, set to 9999.

C_Concussion_Time**Num**

Short Description: Time for all concussion symptoms to fully resolve

Values: 1 = resolved within 1 minute

2 = resolved within 15 minutes

3 = resolved within 1 hour

4 = resolved within 1 day

5 = resolved within 3 days

6 = resolved within 7 days

7 = resolved within 14 days

8 = resolved within 28 days

9 = resolved in more than 28 days

0 = did not resolve

9999 = unknown

Note 1: Undefined if Concussion = No (0)

EXPORT TABLE 5. TREATMENT TABLE

Purpose: Includes information about treatments associated with Injuries or Non-Athletic Injuries/Non-Athletic Injuries/Problems, treatments administered independently from Injuries and Non-Athletic Injuries/Non-Athletic Injuries/Problems, as well as information about Non-Athletic Injuries/Problems without treatments.

Unique Identifier: Record_UID_Tx

Number of Records:

- One record for each specific Injury or Non-Athletic Injury/Problem with all associated treatments/modalities tallied; or
- One record for each athlete that has tallied treatments that are not associated with either an Injury or Non-Athletic Injury/Problem; or
- One record for each Non-Athletic Injury/Problem that is not associated with any treatments.

Notes:

- For a particular Injury or Non-Athletic Injury/Problem, all treatments/modalities should be tallied and submitted as a single record with complete counts. These counts should be tallied across the entire treatment time for that Injury or Non-Athletic Injury/Problem for the first submission and for all updated submissions.
- All treatments/modalities need to have a value from 0 – 999, indicating how many times that treatment or modality was administered before the data was submitted.
- All Treatment data must link to an Injury or Non-Athletic Injury/Problem or be an independent Treatment within the current academic year. Data from a past year will not be accepted.

TABLE 5: SUMMARY LIST OF DATA ITEMS

Data Management Fields	
Record_UID_Tx	Unique identifier of the treatments
Record_Type_Tx	New treatment record, update to an existing treatment record or deletion of a previous treatment record
Record_UID_Inj	Unique ID number for each injury detail record for that treatment – assigned locally and must not be changed (reference to Injury Detail table)
Record_UID_Prob	Unique identifier of the Non-Athletic Injury/Problem
Problem_Conversion_Date	Date a Non-athletic Injury/Problem was converted to an Injury
School_ID	Datalys Center’s unique identifier for each institution
Sport	Secondary School Sport
Year	Academic year
Athlete_UID	Unique identifier for each student-athlete at each institution. Uniquely

Non-Athletic Injury/Problem Detail Fields	
Problem_Side	Side of body associated with the Non-Athletic Injury/Problem
Problem_Body_Part	Body part associated with the Non-Athletic Injury/Problem
Problem_Condition	Description of the Non-Athletic Injury/Problem
Problem_Onset_Date	Date of Non-Athletic Injury/Problem onset
Treatment Detail Fields	
Tx_Date	Date of current treatment
Tx_Start_Date	Date treatment started
Tx_Sessions	Number of treatment sessions
Tx_Complete_Date	Date treatment was completed
Tx_Bike_Conditioning	Treatment – bike conditioning
Tx_Bike_ROM	Treatment – bike range of motion
Tx_Cold_WP	Treatment – cold whirlpool
Tx_Consultation	Treatment – consultation
Tx_Contrast	Treatment – contrast bath
Tx_Crutch_Fit_Gait_Training	Treatment – crutch fitting or gait training
Tx_Cryocuff	Treatment – cryocuff
Tx_Electrical_Modality_Other	Treatment – electrical modality other
Tx_EStim	Treatment – electrical stimulation
Tx_Functional_Evaluation	Treatment – functional evaluation
Tx_Hot_Pack	Treatment – hot pack
Tx_Hot_WP	Treatment – hot whirlpool
Tx_Ice_Bag	Treatment – ice bag
Tx_Ice_Massage	Treatment – ice massage
Tx_Intermittent_Compression	Treatment – intermittent compression
Tx_Ionto	Treatment – iontophoresis
Tx_Massage	Treatment – massage
Tx_Mobilization	Treatment – mobilization
Tx_MRE	Treatment – manual resistance exercise
Tx_Padding	Treatment – padding
Tx_Paraffin	Treatment – paraffin
Tx_Phono_Ionto	Treatment – phonophoresis/iontophoresis
Tx_Proprioception_Basic	Treatment – basic proprioception
Tx_Proprioception_Device	Treatment – proprioception device
Tx_ROM_Assistive	Treatment – assistive range of motion
Tx_ROM_Independent	Treatment – independent range of motion
Tx_ROM_PNF	Treatment – proprioceptive neuromuscular facilitation/range of motion
Tx_Slush	Treatment – slush bath
Tx_Splint	Treatment – splint
Tx_Stairs_Climber	Treatment – stairs climber
Tx_Strength_Isokinetic	Treatment – isokinetic strengthening
Tx_Strength_Isometric	Treatment – isometric strengthening
Tx_Strength_Isotonic	Treatment – isotonic strengthening
Tx_Strength_Tubing	Treatment – tubing strengthening
Tx_Tape	Treatment – taping

Tx_Treadmill_Conditioning	Treatment – treadmill conditioning
Tx_Treadmill_Evaluation	Treatment – treadmill evaluation
Tx_Ultrasound	Treatment – ultrasound
Tx_Wound_Care	Treatment – wound care
Tx_Wrap	Treatment – wrapping

DATA MANAGEMENT FIELDS

Record_UID_Tx

Char String = "F" + 15 Digits

Short description: Unique record number assigned by local system prior to transmission.

Value: Fsssssttnnnnnnn "F" designates this as a Treatment UID
 ssssss 6-char school_id
 tt 2-char "00" (School_ID site)
 nnnnnnn 7-digit seg# (LZF) unique within school & site

Note 1: Indexes the Treatment records for each School_ID. The local software must store these identifiers in a local table so that if the AT modifies information for a specific Treatment record, this identifier can be used to retrieve the original.

Note 2: When sending a record for deletion, Record_UID_Tx must be the real value for Record_UID_Tx that was attached to the original record.

Note 3: SCHOOL_ID site - The values for "tt" may be used by a vendor to identify unique sites within a school sending data and can range in value from 00 to 99.

Record_Type_Tx

Num

Short Description: Type of record being transmitted - new or updated

Values: 1 = New record
 2 = Update of an existing record
 3 = Delete an existing record

Note 1: When sending a record for deletion, Record_Type_Tx must be the real value for Record_Type_Tx that indicates a deletion (3).

Record_UID_Inj

Char String = "C" + 17 Digits

Short description: Unique ID number for each injury detail record associated with this treatment – assigned locally and must not be changed.

Value: This ID comes from the associated Injury Detail record

Note 1: The Record_UID_Inj comes from the original Injury Detail record that treatment record is associated with.

Note 2: See Injury Detail codebook for the information on constructing the Record_UID_Inj

Note 3: This field may be empty if the record is NOT associated with an Injury.

Record_UID_Prob

Char String = "E" + 15 Digits

Short Description: Unique ID number for each Non-Athletic Injury/Problem– assigned locally and must not be changed.

<u>Value:</u>	Esssssstnnnnnnnn	"E"	designates this as a Non-Athletic Injury/Problem	UID
	ssssss	6-char	SCHOOL_ID	
	tt	2-char	"00" (SCHOOL_ID site)	
	nnnnnnn	7-digit	seq# (LZF) unique within School & site	

Note 1: Indexes the Non-Athletic Injury/Problem records for each School_ID. The local software must store these identifiers in a local table so that if the AT modifies information for a specific Non-Athletic Injury/Problem record, this identifier can be used to retrieve the original record for update. Once it is assigned, this I.D. should not be changed.

Note 2: When sending a record for deletion, Record_UID_Prob must be the real value for Record_UID_Prob that was attached to the original record.

Note 3: This field may be empty if the record is NOT associated with a Non-athletic Injury/Problem.

Note 4: SCHOOL_ID site - The values for “tt” may be used by a vendor to identify unique sites within a school sending data and can range in value from 00 to 99.

Problem_Conversion_Date

Char String 8 Digits

Short Description: Date a Non-Athletic Injury/Problem was changed to an Injury

Value: ccyymmdd (date value)

Note 1: If populated, then the record must have a Record_UID_Inj

Note 2: This field may be empty in any of the following cases:

1. This field may not apply if the data entry system does not allow for information to be entered as anything other than an injury
2. The Non-Athletic Injury/Problem was never converted over to an Injury
3. This record was always associated with only an Injury
4. This record was for a Treatment that was not associated with either an Injury or a Non-Athletic Injury/Problem

School_ID

Num

Short description: Datalys Center's unique identifier for each secondary school institution.

Values: 100000 - 999999

Datalys Provided Test School ID = dummy School ID for testing.

Note 1: Use Datalys Provided Test School ID for testing purposes only. (See *Appendix 1* for list of valid 6-digit values for School_IDs to utilize after certification is completed.)

Note 2: Appendix 1 will be updated as new schools choose to participate in secondary school data collection. Vendors will be sent updated information as it becomes available.

Note 3: When sending a record for deletion, School_ID must be the real value for School_ID that was attached to the original record.

Sport **Char String 4**

Short description: Secondary School Sport

Values: cc-c (4 character field)

See *Appendix 1* for list of valid Sport codes

Note 1: Data sent for a secondary school sport that a school does not sponsor will not be accepted and a Partial Success error message will be generated. Data will be accepted for those sponsored sports included in a submission with non-sponsored sports.

Note 2: A school may submit data for all their sponsored sports or a subset of their sponsored sports.

Note 3: When sending a record for deletion, Sport must be the real value for Sport that was attached to the original record.

Note 4: This field may be empty in any of the following cases:

1. The Treatment record is not associated with a Sport (independent treatment).
2. The Treatment record is associated with a Non-athletic Injury/Problem that was not associated with a Sport (non-team related problem).

Note 5: If the Treatment record being sent is for an Injury, then Sport must be completed.

Year **Char String 4 Digits (LZF) Leading zero filled**

Short description: Academic year

Values: yyyy (4 digit field)

Note 1: e.g. 1011 for 2010/2011 academic year

Note 2: The academic year is July 1-June 30

Note 3: When sending a record for deletion, Year must be the real value for Year that was attached to the original record.

Athlete_UID**Char String = "D" + 15 Digits**

Short description: Unique record number assigned by local system prior to transmission.

Values: Dsssstnnnnnnn "D" designates this as a Student-Athlete UID
ssssss 6-char SCHOOL_ID from above
tt 2-char "00" (SCHOOL_ID site)
nnnnnnn 7-digit seq# (LZF leading zero filled) unique within School & site

Note 1: If this record is associated with an Injury, the value for Athlete_UID must be the same one associated with the Injury Event.

Note 2: Uniquely indexes each student-athlete at each School_ID. The local software assigns this I.D. and once assigned by the System, this I.D. should not be changed.

Note 3: SCHOOL_ID site - The values for "tt" may be used by a vendor to identify unique sites within a school sending data and can range in value from 00 to 99.

NON-ATHLETIC INJURY OR PROBLEM DETAIL FIELDS**Problem_Side****1 Char**

Short description: Side of body that was injured in the Non-athletic Injury/Problem

Values: L = Left
R = Right
B = Bilateral
U = Unknown
D = Does not apply

Note: There are no longer restrictions on the type of injury for choosing side of body. All injuries should have the option to choose any of the 5 valid values.

Problem_Body_Part**Num**

Short description: The body part affected by the Non-athletic Injury/Problem

Values:

1 = Abdomen
2 = Ankle
3 = Arm (Upper)
24 = Cardiovascular
4 = Cervical Spine/Neck
5 = Chest/Ribs
25 = Dermatology
6 = Ear
7 = Elbow
26 = Endocrine System
35 = Environmental
8 = Eye
9 = Foot/Toes
10 = Forearm
27 = Gastrointestinal (GI)
28 = Genitourinary (GU)
11 = Hand/Fingers
12 = Head/Face
29 = Hematology
13 = Hip/Groin
30 = Infectious Disease
14 = Knee
15 = Lower Leg/Achilles
16 = Lumbar Spine/Lower Back
17 = Mouth
31 = Nervous System
18 = Nose
32 = Psychological
33 = Respiratory
34 = Rheumatology
19 = Sacrum/Pelvis
20 = Shoulder/Clavicle
21 = Thigh
22 = Thoracic Spine/Upper Back
23 = Wrist
99 = Miscellaneous

Problem_Condition**Num**

Short description: The condition affecting the athlete when they report a Non-athletic

Injury/Problem

Values:

- 1 = Abrasion
- 2 = Arthritis/Chondromalacia
- 3 = Avascular Necrosis
- 4 = Avulsion
- 5 = Avulsion/Fracture
- 6 = Bursitis
- 7 = Capsulitis
- 8 = Cardiovascular
- 9 = Cartilage Injury
- 10 = Compartment Syndrome
- 11 = Concussion
- 12 = Contusion (Hematoma)
- 13 = Cysts
- 14 = Dental
- 15 = Dermatology
- 16 = Dislocation
- 17 = Effusion
- 18 = Endocrine System
- 19 = Entrapment/Impingement
- 20 = Environmental
- 21 = Exostosis
- 22 = Fracture
- 23 = Fracture (Stress)
- 24 = Gastrointestinal (GI)
- 25 = Genitourinary (GU)
- 26 = Hematology
- 27 = Illness
- 28 = Infection
- 29 = Infectious Disease
- 30 = Inflammation
- 31 = Internal Organ
- 32 = Laceration
- 33 = Myositis Ossificans
- 34 = Neoplasm
- 35 = Nervous System
- 36 = Osteochondritis
- 37 = Psychological
- 38 = Respiratory
- 39 = Rheumatology
- 40 = Spasm
- 41 = Sprain
- 42 = Strain
- 43 = Strain/Tear
- 44 = Subluxation

45 = Synovitis
 46 = Tendinosis
 47 = Tendonitis
 48 = Tenosynovitis
 49 = Thrombosis
 50 = Chemical Illness
 51 = General Stress
 52 = General Trauma
 53 = Musculo-skeletal
 54 = Permanent Disability
 99 = Miscellaneous

Problem_Onset_Date **Char String 8 Digits**
Short Description: Date of Non-Athletic Injury/Problem onset
Value: ccyyymmdd (date value)

TREATMENT DETAIL FIELDS

Tx_Date **Char String 8 Digits**
Short Description: Date of most recent Treatment
Value: ccyyymmdd (date value)

Tx_Start_Date **Char String 8 Digits**
Short Description: Date of first Treatment
Value: ccyyymmdd (date value)

Tx_Sessions **Num**
Short Description: Count of the number of unique days an athlete received 1 or more treatments within the current academic year.
Value: 0 – 999
 9999 = Unknown

Tx_Complete_Date **Char String 8 Digits**
Short Description: Date of Treatment completion
Value: ccyyymmdd (date value)

Tx_Bike_Conditioning **Num**
Short Description: Number of bike conditioning treatments over course of treatment
Value: 0 – 999
 9999 = Unknown

Tx_Bike_ROM **Num**
Short Description: Number of bike range of motion treatments over course of treatment

Value: 0 – 999
9999 = Unknown

Tx_Cold_WP **Num**
Short Description: Number of cold whirlpool treatments over course of treatment

Value: 0 – 999
9999 = Unknown

Tx_Consultation **Num**
Short Description: Number of consultations over course of treatment

Value: 0 – 999
9999 = Unknown

Tx_Contrast **Num**
Short Description: Number of contrast bath treatments over course of treatment

Value: 0 – 999
9999 = Unknown

Tx_Crutch_Fit_Gait_Training **Num**
Short Description: Number of crutch fitting or gait training treatments over course of treatment

Value: 0 – 999
9999 = Unknown

Tx_Cryocuff **Num**
Short Description: Number of cryocuff treatments over course of treatment

Value: 0 – 999
9999 = Unknown

Tx_Electrical_Modality_Other **Num**
Short Description: Number of other electrical modality treatments over course of treatment

Value: 0 – 999
9999 = Unknown

Tx_Estim **Num**
Short Description: Number of electrical stimulation treatments over course of treatment

Value: 0 – 999
9999 = Unknown

Tx_Functional_Evaluation **Num**
Short Description: Number of functional evaluation treatments over course of treatment

Value: 0 – 999
9999 = Unknown

Tx_Hot_Pack **Num**
Short Description: Number of hot pack treatments over course of treatment

Value: 0 – 999
9999 = Unknown

Tx_Hot_WP **Num**
Short Description: Number of hot whirlpool treatments over course of treatment

Value: 0 – 999
9999 = Unknown

Tx_Ice_Bag **Num**
Short Description: Number of ice bag treatments over course of treatment

Value: 0 – 999
9999 = Unknown

Tx_Ice_Message **Num**
Short Description: Number of ice massage treatments over course of treatment

Value: 0 – 999
9999 = Unknown

Tx_Intermittent_Compression **Num**
Short Description: Number of intermittent compression treatments over course of treatment

Value: 0 – 999
9999 = Unknown

Tx_Ionto **Num**
Short Description: Number of iontophoresis treatments over course of treatment

Value: 0 – 999
9999 = Unknown

Tx_Message **Num**
Short Description: Number of massage treatments over course of treatment

Value: 0 – 999
9999 = Unknown

Tx_Mobilization**Num**Short Description: Number of mobilization treatments over course of treatment

Value: 0 – 999
9999 = Unknown

Tx_MRE**Num**Short Description: Number of manual resistance exercise treatments over course of treatment

Value: 0 – 999
9999 = Unknown

Tx_Padding**Num**Short Description: Number of padding treatments over course of treatment

Value: 0 – 999
9999 = Unknown

Tx_Paraffin**Num**Short Description: Number of paraffin treatments over course of treatment

Value: 0 – 999
9999 = Unknown

Tx_Phono_Ionto**Num**Short Description: Number of phonophoresis/iontophoresis treatments over course of treatment

Value: 0 – 999
9999 = Unknown

Tx_Proprioception_Basic**Num**Short Description: Number of basic proprioception treatments over course of treatment

Value: 0 – 999
9999 = Unknown

Tx_Proprioception_Device**Num**Short Description: Number of proprioception device treatments over course of treatment

Value: 0 – 999
9999 = Unknown

Tx_ROM_Assistive**Num**Short Description: Number of assistive range of motion treatments over course of treatment

Value: 0 – 999
9999 = Unknown

Tx_ROM_Independent **Num**
Short Description: Number of independent range of motion treatments over course of treatment

Value: 0 – 999
9999 = Unknown

Tx_ROM_PNF **Num**
Short Description: Number of proprioceptive neuromuscular facilitation range of motion treatments over course of treatment

Value: 0 – 999
9999 = Unknown

Tx_Slush **Num**
Short Description: Number of slush bath treatments over course of treatment

Value: 0 – 999
9999 = Unknown

Tx_Splint **Num**
Short Description: Number of splint treatments over course of treatment

Value: 0 – 999
9999 = Unknown

Tx_Stairs_Climber **Num**
Short Description: Number of stair climber treatments over course of treatment

Value: 0 – 999
9999 = Unknown

Tx_Strength_Isokinetic **Num**
Short Description: Number of isokinetic strengthening treatments over course of treatment

Value: 0 – 999
9999 = Unknown

Tx_Strength_Isotonic **Num**
Short Description: Number of isotonic strengthening treatments over course of treatment

Value: 0 – 999
9999 = Unknown

Tx_Strength_Tubing **Num**
Short Description: Number of tubing strengthening treatments over course of treatment

Value: 0 – 999
9999 = Unknown

Tx_Tape **Num**
Short Description: Number of taping treatments over course of treatment

Value: 0 – 999
9999 = Unknown

Tx_Treadmill_Conditioning **Num**
Short Description: Number of treadmill conditioning treatments over course of treatment

Value: 0 – 999
9999 = Unknown

Tx_Treadmill_Evaluation **Num**
Short Description: Number of treadmill evaluations over course of treatment

Value: 0 – 999
9999 = Unknown

Tx_Ultrasound **Num**
Short Description: Number of ultrasounds over course of treatment

Value: 0 – 999
9999 = Unknown

Tx_Wound_Care **Num**
Short Description: Number of wound care treatments over course of treatment

Value: 0 – 999
9999 = Unknown

Tx_Wrap **Num**
Short Description: Number of wrapping treatments over course of treatment

Value: 0 – 999
9999 = Unknown