

Release Notes: NTDS Validator v2017.1.1 (Channel 109)

Introduction

This release of the NTDS Validator is intended to be used for submissions made to the NTDB Data Center for the 2017 Admit year. Aside from urgent fixes that may be required from time to time, this release is intended to be the only update to the Validator.

A description of the changes are broken down as follows:

- Schema changes
- Error Level changes
- Added Rules
- Deleted Rules
- Modified Rules

A. Schema Changes

- 1. PrimaryECode Retire ICD-9 field
 - a. Data element is removed from the XSD
 - b. All 17xx validator flags are retired
- 2. LocationECode Retire ICD-9 field
 - a. Data element is removed from the XSD
 - b. All 18xx validator flags are retired
- 3. AdditionalECode Retire ICD-9 field
 - a. Data element is removed from the XSD
 - b. All 19xx validator flags are retired
- 4. HospitalProcedure Retire ICD-9 field
 - a. Data element is removed from the XSD
 - b. All 65xx validator flags are retired
- 5. InjuryDiagnoses Retire ICD-9 list and field InjuryDiagnosis
 - a. Data element is removed from the XSD
 - b. All 69xx validator flags are retired
- 6. AlcoholUseIndicators Retire field
 - a. Data element is removed from the XSD
 - b. All 59xx validator flags are retired
- 7. DrugUseIndicators Retire list and field DrugUseIndicator
 - a. Data element is removed from the XSD
 - b. All 60xx validator flags are retired
- 8. Add new fields (See XSD for specs)

```
<DrugScreens>
```

<item><DrugScreen></DrugScreen></item>

- </DrugScreens>
- <AlcoholScreen></AlcoholScreen>
- <AlcoholScreenResult></AlcoholScreenResult>
- <NationalProviderIdentifier></NationalProviderIdentifier>



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- 9. ComorbidConditions
 - a. Change list size to 26 (maxOccurs="26")
 - b. Retire values
 - 16 History of angina within 30 days
 - 17 History of myocardial infarction
 - 18 History of Peripheral Vascular Disease (PVD)
 - 27 Major psychiatric illness
 - 28 Drug use disorder
 - c. Add the values
 - 31 Anticoagulant Therapy
 - 32 Angina Pectoris
 - 33 Mental/Personality Disorder
 - 34 Myocardial Infarction (MI)
 - 35 Peripheral Arterial Disease (PAD)
 - 36 Substance Abuse Disorder
 - d. Change the text of the menu description (definition/use remains the same)
 - 19 Hypertension

10. HospitalComplications

- a. List size remains 22 (maxOccurs="22")
- b. Retire values
 - 11 Decubitus ulcer
 - 13 Drug or alcohol withdrawal syndrome
 - 23 Superficial Surgical Site Infection
- c. Add the value
 - 36 Alcohol Withdrawal Syndrome
 - 37 Pressure Ulcer
 - 38 Superficial Incisional Surgical Site Infection
- d. Change the text of the menu description (definition/use remains the same)
 - 5 Acute Respiratory Distress Syndrome (ARDS)
 - 31 Unplanned Admission to the ICU
 - 33 Catheter-Associated Urinary Tract Infection (CAUTI)
 - 34 Central Line-Associated Bloodstream Infection (CLABSI)
 - 35 Ventilator-Associated Pneumonia (VAP)

11. HospitalDischargeDisposition

- a. Change the text of the menu description (definition/use remains the same)
 - 3 Discharged/Transferred to home under care of organized home health service

12. Races

a. Change the maxOccurs from 2 to 6



B. Error Level Changes

| Rule ID | NTDS Element | Previous Level | New Level | Message |
|------------|--------------|-------------------|--------------|---------|
| None | | | | |
| | | | | |

^{*}Note: This change now means that these fields/rules can result in a submission file rejection at NTDB Data Center web site, if present.

C. Added Rules

| Rule ID | NTDS Element | Level | Message | Note |
|------------|-------------------------|-------|---|------------------------------------|
| | | | | Use |
| | | | | InjuryCountry to |
| | | | | determine US |
| | | | | (including US |
| | | | Field cannot be Not Applicable (US | territories) |
| 0903 | Race | 2 | only) | |
| | | | | This rule is NOT |
| | | | | implemented, |
| | | | | however, is |
| | | | | documented in |
| | | | Field must be Not Applicable (non- | the NTDS Data Dictionary. To be |
| 0904 | Race | 2 | US) | retired in 2018. |
| 0304 | Nacc | | 03) | Use |
| | | | | InjuryCountry to |
| | | | | determine US |
| | | | | (including US |
| | | | Field cannot be Not Applicable (US | territories) |
| 1003 | Ethnicity | 2 | only) | , |
| | | | | This rule is NOT |
| | | | | implemented, |
| | | | | however, is |
| | | | | documented in |
| | | | Field would be Net Applicable (new | the NTDS Data |
| 1004 | Ethnicity | 2 | Field must be Not Applicable (non- US) | Dictionary. To be retired in 2018. |
| 1211 | IncidentDate | 2 | Field cannot be Not Applicable | Tellieu III 2016. |
| 1310 | IncidentTime | 2 | Field cannot be Not Applicable | |
| 1407 | WorkRelated | 2 | Field cannot be Not Applicable | |
| 2006 | InjuryZip | 2 | Field cannot be Not Applicable | |
| | ···) •·· <i>} =</i> · ♥ | | Field cannot be Not Applicable when | |
| | | | Protective Device is 6 (Child | |
| 2604 | ChildSpecificRestraint | 2 | Restraint) | |
| 2704 | AirbagDeployment | 2 | Field cannot be Not Applicable when | |
| | | | | |

| | | | Protective Device is 8 (Airbag |
|------|----------------------------|---|-------------------------------------|
| | | | Present) |
| 3404 | TransportMode | 2 | Field cannot be Not Applicable |
| 4609 | HospitalArrivalTime | 2 | Field cannot be Not Applicable |
| 4705 | Sbp | 2 | Field cannot be Not Applicable |
| 4805 | PulseRate | 2 | Field cannot be Not Applicable |
| 4904 | Temperature | 2 | Field cannot be Not Applicable |
| 5006 | RespiratoryRate | 2 | Field cannot be Not Applicable |
| 5205 | PulseOximetry | 2 | Field cannot be Not Applicable |
| 5404 | GcsEye | 2 | Field cannot be Not Applicable |
| 5504 | GcsVerbal | 2 | Field cannot be Not Applicable |
| 5604 | GcsMotor | 2 | Field cannot be Not Applicable |
| 5706 | TotalGcs | 2 | Field cannot be Not Applicable |
| 5803 | GcsQualifier | 2 | Field cannot be Not Applicable |
| 5911 | AlcoholScreen | 1 | Value is not a valid menu option |
| 5912 | AlcoholScreen | 2 | Field cannot be blank |
| 5913 | AlcoholScreen | 2 | Field cannot be Not Applicable |
| 5931 | AlcoholScreenResult | 1 | Invalid value |
| 5932 | AlcoholScreenResult | 2 | Field cannot be blank |
| | | | Field cannot be Not Applicable when |
| 5933 | AlcoholScreenResult | 2 | Alcohol Screen is 1 (Yes) |
| 6011 | DrugScreen | 1 | Value is not a valid menu option |
| 6012 | DrugScreen | 2 | Field cannot be blank |
| 6013 | DrugScreen | 2 | Field cannot be Not Applicable |
| 7008 | AisPredot | 2 | Field cannot be Not Applicable |
| 7104 | AisSeverity | 2 | Field cannot be Not Applicable |
| 7303 | AisVersion | 2 | Field cannot be Not Applicable |
| 8003 | PrimaryMethodPayment | 2 | Field cannot be Not Applicable |
| 8504 | Height | 2 | Field cannot be Not Applicable |
| 8604 | Weight | 2 | Field cannot be Not Applicable |
| 8907 | PrimaryECodelcd10 | 2 | Field cannot be Not Applicable |
| 9006 | PlaceOfInjuryCode | 2 | Field cannot be Not Applicable |
| 9801 | NationalProviderIdentifier | 1 | Invalid value |
| 9802 | NationalProviderIdentifier | 2 | Field cannot be blank |

D. Retired Rules

| Rule ID | NTDS Element | Level | Message | Note |
|------------|--------------|-------|--------------------------------|--------------|
| ' | | | E-Code is not a valid ICD-9-CM | Retire field |
| 1701 | PrimaryECode | 1 | code | |
| | | | | Retire field |
| 1702 | PrimaryECode | 2 | Field cannot be blank | |
| | | | External Cause Code should | Retire field |
| 1703 | PrimaryECode | 4 | not be = (810.0, 811.0, 812.0, | |



| 813.0, 814.0, 815.0, 816.0, 817.0, 818.0, 819.0) and Age < 15 Should not be 849.x (where x is Retire field | | | | | |
|--|------|----------------------|----------|--------------------------------|--------------|
| 15 | | | | 813.0, 814.0, 815.0, 816.0, | |
| Should not be 849.x (where x is Retire field 0-9) External Cause Code should not be an activity code. Primary External Cause Code should not be an activity code. Primary External Cause Code should be within the range of should be should menu of the retire field option. Retire field 1801 LocationECode 2 Field cannot be blank Retire field code Additional External Cause Code should not be equal to Primary External Cause Code should not be equal to Primary External Cause Code. 1902 AdditionalECode 4 External Cause Code Retire field should not be blank ONE of the following: Initial ED/Hospital GCS - Eve, Initial ED/Hospital GCS - Eve, Initial ED/Hospital GCS - Verbal, or Initial ED/Hospital GCS - Verbal, or Initial ED/Hospital GCS - Notor is blank but Initial ED/Hospital GCS - Notor is blank but Initial ED/Hospital GCS - Total is not 'Not Applicable' or 'Not Known/Not Applicable' or 'Not Known | | | | | |
| PrimaryECode 2 0-9 | - | | | | 75 1 (1) 1.1 |
| External Cause Code should not be an activity code. Primary External Cause Code should be within the range of E800-999.9 1705 PrimaryECode 3 E800-999.9 Value is not a valid menu Retire field option Retire field optio | | | | • | Retire field |
| not be an activity code. Primary External Cause Code should be within the range of E800-999.9 1801 LocationECode 1 option Retire field 1802 LocationECode 2 Field cannot be blank E-Code is not a valid ICD-9-CM Retire field 1901 AdditionalECode 1 code Additional External Cause Code should not be equal to Primary External Cause Code should not be equal to Primary External Cause Code. 1902 AdditionalECode 2 Field cannot be blank Retire field 1903 AdditionalECode 2 Field cannot be blank Retire field 1904 AdditionalECode 2 Field cannot be blank Retire field 1905 AdditionalECode 2 Field cannot be blank Retire field 1906 AdditionalECode 3 Field cannot be blank Retire field 1907 AdditionalECode 4 External Cause Code should not be equal to Primary External Cause Code. 1908 AdditionalECode 5 Field cannot be blank Retire field 1909 AdditionalECode 1 Field cannot be blank Retire field 1909 AdditionalECode 2 Field cannot be blank Recorded York Known/Not Recorded York Known/Not Recorded York Known/Not Retire field 1900 AlcoholUseIndicators 1 option Retire field 1901 AlcoholUseIndicators 2 Field cannot be blank Retire field 1902 AlcoholUseIndicator 2 Field cannot be blank Retire field 1903 AlcoholUseIndicator 2 Field cannot be blank Retire field 1904 AlcoholUseIndicator 2 Field cannot be blank Retire field 1905 AlcoholUseIndicator 2 Field cannot be blank Retire field 1906 AlcoholUseIndicator 2 Field cannot be blank Retire field 1907 AlcoholUseIndicator 3 Retire field 1908 AlcoholUseIndicator 4 Invalid value Retire field 1909 AlcoholUseIndicator 5 Retire field 1909 AlcoholUseIndicator 5 Retire field 1909 AlcoholUseIndicator 6 Retire field 1909 AlcoholUseIndicator 7 Retire field 1909 AlcoholUseIndicator 8 Retire field 1909 AlcoholUseIndicator 9 Retire field | 1/04 | PrimaryECode | 2 | <u> </u> | Dating Cald |
| Primary External Cause Code should be within the range of E800-999.9 | | | | | Retire field |
| Should be within the range of E800-999.9 E800-999.9 E800-999.9 Retire field option Retire field option | | | | • | |
| 1705 PrimaryECode 3 E800-999.9 | | | | • | |
| Value is not a valid menu option Retire field | 1705 | PrimaryFCode | 3 | _ | |
| 1801 LocationECode 1 | | Timary 20000 | | | Retire field |
| 1802 LocationECode 2 Field cannot be blank Retire field | 1801 | LocationECode | 1 | | Ttothe field |
| E-Code is not a valid ICD-9-CM Retire field | | | | - Pro- | Retire field |
| Additional External Cause Code Additional External Cause Code Should not be equal to Primary | 1802 | LocationECode | 2 | Field cannot be blank | |
| Additional External Cause Code should not be equal to Primary External Cause Code. 1903 AdditionalECode 2 Field cannot be blank ONE of the following: Initial ED/Hospital GCS - Eye, Initial ED/Hospital GCS - Verbal, or Initial ED/Hospital GCS - Verbal, or Initial ED/Hospital GCS - Motor is blank but Initial ED/Hospital GCS - Motor is blank but Initial ED/Hospital GCS - Total is not 'Not Applicable' or 'Not Known/Not Applicable or 'Not Applicable or 'Not Applicable' or 'Not Known/Not Applicable or 'Not Applicabl | | | | E-Code is not a valid ICD-9-CM | Retire field |
| should not be equal to Primary External Cause Code. Retire field 1903 AdditionalECode 2 Field cannot be blank ONE of the following: Initial ED/Hospital GCS - Eye, Initial ED/Hospital GCS - Verbal, or Initial ED/Hospital GCS - Wotor is blank but Initial ED/Hospital GCS - Total is not 'Not Applicable' or 'Not Known/Not Retire field 5901 AlcoholUseIndicators 1 option Retire field 5902 AlcoholUseIndicators 2 Field cannot be blank Value is not a valid menu Retire field 6001 DrugUseIndicator 1 option Retire field 6002 DrugUseIndicator 2 Field cannot be blank Procedures with the same Code cannot have the same Hospital Procedure Start Date HospitalProcedure 1 Invalid value Procedures with the same Code cannot have the same Hospital Procedure Start Date AlcoholUseIndicator 2 Field cannot be blank Retire field Retire field Retire field Retire field Retire field Retire field Frocedures with the same Code cannot have the same Hospital Procedure Start Date AlcoholUseIndicator Retire field Retire field Retire field Frocedures With the same Code cannot have the same Hospital Procedure Start Date AlcoholUseIndicator Retire field Frocedures With the same Code cannot have the same Hospital Procedure Start Date AlcoholUseIndicator Retire field Field cannot be blank Field should not be Not Retire field | 1901 | AdditionalECode | 1 | code | |
| 1902 AdditionalECode 4 External Cause Code. 1903 AdditionalECode 2 Field cannot be blank ONE of the following: Initial ED/Hospital GCS - Eye, Initial ED/Hospital GCS - Verbal, or Initial ED/Hospital GCS - Wotor is blank but Initial ED/Hospital GCS - Motor is blank but Initial ED/Hospital GCS - Total is not 'Not Applicable' or 'Not Known/Not Recorded' 704 TotalGcs 4 Recorded' Value is not a valid menu Retire field option Retire field 5901 AlcoholUseIndicators 1 option Setire field 6001 DrugUseIndicator 1 option Retire field 6002 DrugUseIndicator 2 Field cannot be blank Field cannot be blank Retire field 6501 HospitalProcedure 1 Invalid value Procedures with the same code cannot have the same Hospital Procedure Start Date and Time. Retire field 6503 HospitalProcedure 2 Field cannot be blank Field should not be Not Retire field | | | | Additional External Cause Code | Retire field |
| AdditionalECode 2 Field cannot be blank ONE of the following: Initial ED/Hospital GCS - Eye, Initial ED/Hospital GCS - Eye, Initial ED/Hospital GCS - Verbal, or Initial ED/Hospital GCS - Motor is blank but Initial ED/Hospital GCS - Total is not 'Not Applicable' or 'Not Known/Not Applicable 'O' Not Known/Not A | | | | • | |
| 1903 AdditionalECode 2 Field cannot be blank ONE of the following: Initial ED/Hospital GCS - Eye, Initial ED/Hospital GCS - Verbal, or Initial ED/Hospital GCS - Verbal, or Initial ED/Hospital GCS - Motor is blank but Initial ED/Hospital GCS - Total is not 'Not Applicable' or 'Not Known/Not From Not Initial ED/Hospital GCS - Total is not 'Not Applicable' or 'Not Known/Not Retire field 5901 AlcoholUseIndicators 1 option Retire field 5902 AlcoholUseIndicators 2 Field cannot be blank Value is not a valid menu Retire field 6001 DrugUseIndicator 1 option Retire field 6002 DrugUseIndicator 2 Field cannot be blank Retire field 6501 HospitalProcedure 1 Invalid value Procedures with the same Code cannot have the same Hospital Procedure Start Date and Time. Retire field 6503 HospitalProcedure 2 Field cannot be blank Field should not be Not Retire field | 1902 | AdditionalECode | 4 | External Cause Code. | |
| ONE of the following: Initial ED/Hospital GCS - Eye, Initial ED/Hospital GCS - Verbal, or Initial ED/Hospital GCS - Motor is blank but Initial ED/Hospital GCS - Total is not 'Not Applicable' or 'Not Known/Not Applicable' or 'Not Known/Not S704 TotalGcs 4 Recorded' Value is not a valid menu Retire field 5901 AlcoholUseIndicators 1 option Retire field 5902 AlcoholUseIndicators 2 Field cannot be blank Value is not a valid menu Retire field 6001 DrugUseIndicator 1 option Retire field 6002 DrugUseIndicator 2 Field cannot be blank Retire field 6501 HospitalProcedure 1 Invalid value Procedures with the same Code cannot have the same Hospital Procedure Start Date And Time. Retire field 6503 HospitalProcedure 2 Field cannot be blank Field should not be Not Retire field | 4000 | A 1 1::: 150 1 | 2 | e: 11 | Retire field |
| ED/Hospital GCS - Eye, Initial ED/Hospital GCS - Verbal, or Initial ED/Hospital GCS - Motor is blank but Initial ED/Hospital GCS - Total is not 'Not Applicable' or 'Not Known/Not Applicable' or 'Not Known/Not S704 TotalGcs 4 Recorded' Value is not a valid menu Retire field 5901 AlcoholUseIndicators 1 option Retire field 5902 AlcoholUseIndicators 2 Field cannot be blank Value is not a valid menu Retire field 6001 DrugUseIndicator 1 option Retire field 6002 DrugUseIndicator 2 Field cannot be blank Retire field 6501 HospitalProcedure 1 Invalid value Procedures with the same Retire field code cannot have the same Hospital Procedure Start Date and Time. Retire field 6503 HospitalProcedure 2 Field cannot be blank Retire field Field should not be Not Retire field | 1903 | AdditionalECode | <u>Z</u> | | |
| ED/Hospital GCS - Verbal, or Initial ED/Hospital GCS - Motor is blank but Initial ED/Hospital GCS - Motor is blank but Initial ED/Hospital GCS - Total is not 'Not Applicable' or 'Not Known/Not Applicable' or 'Not Known/Not Recire field 5704 TotalGcs 4 Recorded' Value is not a valid menu Retire field 5901 AlcoholUseIndicators 1 option Retire field 5902 AlcoholUseIndicators 2 Field cannot be blank Value is not a valid menu Retire field 6001 DrugUseIndicator 1 option Retire field 6002 DrugUseIndicator 2 Field cannot be blank Retire field 6501 HospitalProcedure 1 Invalid value Procedures with the same Retire field code cannot have the same Hospital Procedure Start Date and Time. Retire field 6503 HospitalProcedure 2 Field cannot be blank Field should not be Not Retire field | | | | _ | |
| Initial ED/Hospital GCS - Motor is blank but Initial ED/Hospital GCS - Total is not 'Not Applicable' or 'Not Known/Not Applicable or 'Not Applicable or 'Not Applicable or 'Not Known/Not Applicable or 'Not Known/Not Applicable or 'Not Applicable or 'Not Known/Not Applicable or 'Not Applicable or 'No | | | | • | |
| is blank but Initial ED/Hospital GCS - Total is not 'Not Applicable' or 'Not Known/Not Applicable' or 'Not Known/Not S704 TotalGcs 4 Recorded' Value is not a valid menu Setire field 5901 AlcoholUseIndicators 1 option Retire field 5902 AlcoholUseIndicators 2 Field cannot be blank Value is not a valid menu Retire field 6001 DrugUseIndicator 1 option Retire field 6002 DrugUseIndicator 2 Field cannot be blank Retire field 6501 HospitalProcedure 1 Invalid value Procedures with the same code cannot have the same Hospital Procedure Start Date and Time. Retire field 6502 HospitalProcedure 2 Field cannot be blank Retire field Field should not be Not Retire field | | | | • | |
| GCS - Total is not 'Not Applicable' or 'Not Known/Not Applicable' or 'Not Known/Not S704 TotalGcs 4 Recorded' Value is not a valid menu Retire field option Retire field 5902 AlcoholUseIndicators 2 Field cannot be blank Value is not a valid menu Retire field 6001 DrugUseIndicator 1 option Retire field 6002 DrugUseIndicator 2 Field cannot be blank Retire field 6501 HospitalProcedure 1 Invalid value Procedures with the same code cannot have the same Hospital Procedure Start Date and Time. Retire field 6503 HospitalProcedure 2 Field cannot be blank Retire field Retire field Retire field Retire field Retire field | | | | • | |
| Applicable' or 'Not Known/Not Recorded' Value is not a valid menu Retire field 5901 AlcoholUseIndicators 1 option Retire field 5902 AlcoholUseIndicators 2 Field cannot be blank Value is not a valid menu Retire field 6001 DrugUseIndicator 1 option Retire field 6002 DrugUseIndicator 2 Field cannot be blank 6501 HospitalProcedure 1 Invalid value Procedures with the same Retire field code cannot have the same Hospital Procedure Start Date and Time. Retire field 6503 HospitalProcedure 2 Field cannot be blank Field should not be Not Retire field | | | | • | |
| 5704 TotalGcs 4 Recorded' Value is not a valid menu Retire field 5901 AlcoholUseIndicators 1 option Retire field 5902 AlcoholUseIndicators 2 Field cannot be blank Value is not a valid menu Retire field 6001 DrugUseIndicator 1 option Retire field 6002 DrugUseIndicator 2 Field cannot be blank 6501 HospitalProcedure 1 Invalid value Procedures with the same Retire field code cannot have the same Hospital Procedure Start Date 6502 HospitalProcedure 1 and Time. Retire field 6503 HospitalProcedure 2 Field cannot be blank Field should not be Not Retire field | | | | Applicable' or 'Not Known/Not | |
| 5901 AlcoholUseIndicators 1 option Retire field 5902 AlcoholUseIndicators 2 Field cannot be blank Value is not a valid menu Retire field 6001 DrugUseIndicator 1 option Retire field 6002 DrugUseIndicator 2 Field cannot be blank 6501 HospitalProcedure 1 Invalid value Procedures with the same Retire field code cannot have the same Hospital Procedure Start Date and Time. Retire field 6503 HospitalProcedure 2 Field cannot be blank Field should not be Not Retire field | 5704 | TotalGcs | 4 | | |
| Setire field AlcoholUseIndicators 2 Field cannot be blank Value is not a valid menu Retire field Option Retire field Option Retire field Option Retire field Field cannot be blank Retire field Invalid value Procedures with the same code cannot have the same Hospital Procedure Start Date and Time. Retire field Retire field Retire field Retire field Field cannot be blank Retire field Retire field Retire field | | | | Value is not a valid menu | Retire field |
| Setire field AlcoholUseIndicators Value is not a valid menu Retire field Option Retire field Field cannot be blank Option Retire field Retire field Invalid value Procedures with the same Code cannot have the same Hospital Procedure Start Date HospitalProcedure Field cannot be blank Retire field Retire field Retire field Retire field Field cannot be blank Field should not be Not Retire field | 5901 | AlcoholUseIndicators | 1 | option | |
| Value is not a valid menu Retire field Option Retire field Field cannot be blank Retire field Retire field Retire field Retire field Invalid value Procedures with the same Retire field code cannot have the same Hospital Procedure Start Date And Time. Retire field | | | | | Retire field |
| 6001 DrugUseIndicator 1 option Retire field 6002 DrugUseIndicator 2 Field cannot be blank Retire field 6501 HospitalProcedure 1 Invalid value Procedures with the same code cannot have the same Hospital Procedure Start Date 6502 HospitalProcedure 1 and Time. Retire field 6503 HospitalProcedure 2 Field cannot be blank Field should not be Not Retire field | 5902 | AlcoholUseIndicators | 2 | | D |
| Retire field 6002 DrugUseIndicator 2 Field cannot be blank Retire field 6501 HospitalProcedure 1 Invalid value Procedures with the same code cannot have the same Hospital Procedure Start Date 6502 HospitalProcedure 1 and Time. Retire field Retire field Retire field Retire field Field cannot be blank Field should not be Not Retire field | 6004 | B. alled Park | 4 | | Retire field |
| 6002 DrugUseIndicator 2 Field cannot be blank Retire field 6501 HospitalProcedure 1 Invalid value Procedures with the same code cannot have the same Hospital Procedure Start Date 4502 HospitalProcedure 1 and Time. Retire field 6503 HospitalProcedure 2 Field cannot be blank Field should not be Not Retire field | 6001 | DrugUseIndicator | 1 | option | Dating Cald |
| Retire field Frocedures with the same code cannot have the same Hospital Procedure Start Date and Time. Retire field | 6002 | Drug IseIndicator | 2 | Field cannot be blank | Retire field |
| 6501 HospitalProcedure Procedures with the same code cannot have the same Hospital Procedure Start Date and Time. Retire field Retire field Retire field Retire field Field cannot be blank Field should not be Not Retire field | 0002 | Di agoscinaleatoi | ۷ | ricia carmot be blank | Retire field |
| Procedures with the same code cannot have the same Hospital Procedure Start Date and Time. Retire field 6502 HospitalProcedure 1 and Time. Retire field 6503 HospitalProcedure 2 Field cannot be blank Field should not be Not Retire field | 6501 | HospitalProcedure | 1 | Invalid value | Ttomo mora |
| code cannot have the same Hospital Procedure Start Date and Time. Retire field 6503 HospitalProcedure 2 Field cannot be blank Field should not be Not Retire field | - | • | | | Retire field |
| 6502 HospitalProcedure 1 and Time. Retire field 6503 HospitalProcedure 2 Field cannot be blank Field should not be Not Retire field | | | | code cannot have the same | |
| Retire field 6503 HospitalProcedure 2 Field cannot be blank Field should not be Not Retire field | | | | Hospital Procedure Start Date | |
| 6503 HospitalProcedure 2 Field cannot be blank Field should not be Not Retire field | 6502 | HospitalProcedure | 1 | and Time. | |
| Field should not be Not Retire field | | | _ | | Retire field |
| | 6503 | HospitalProcedure | 2 | | D (* C* 1.1 |
| bou4 HospitalProcedure 4 Applicable unless patient had | CE04 | HandtalDur dess | A | | Retire field |
| | 0504 | nospitalProcedure | 4 | Applicable unless patient had | |

| _ | | | | 10/04/16 |
|------|-----------------|---|-----------------------------------|--------------|
| | | | no procedures performed or if | |
| | | | not coding ICD-9 | |
| | | | | Retire field |
| 6901 | InjuryDiagnosis | 1 | Invalid value | |
| | | | Field cannot be blank, must | Retire field |
| | | | either (1) contain a valid ICD-9 | |
| | | | code or (2) be Not Applicable if | |
| 6902 | InjuryDiagnosis | 2 | not coding ICD-9 | |
| | | | If coding with ICD-9, then at | Retire field |
| | | | least one diagnosis must be | |
| | | | provided and meet inclusion | |
| | | | criteria (800 - 959.9, except for | |
| | | | 905 - 909.9, 910 - 924.9, 930 - | |
| 6903 | InjuryDiagnosis | 2 | 939.9) | |
| | | | Field should not be Not | Retire field |
| 6904 | InjuryDiagnosis | 4 | Known/Not Recorded | |

E. Modified Rules

1. Logic modifications

| Rule ID | Level | NTDS Element | Message | Note |
|------------|-------|----------------|---|---|
| 0609 | 2 | DateOfBirth | Date of Birth is later than Injury Date | Change from using ED/Hospital Arrival Date to Injury Date (to be consistent with Age rules) |
| 0612 | 2 | DateOfBirth | Date of Birth + 120 years must be less than Injury Date | Change from using ED/Hospital Arrival Date to Injury Date (to be consistent with Age rules) |
| 2203 | 2 | IncidentState | Field cannot be blank | Remove (US only) text and logic - Cannot be blank regardless of country |
| 2303 | 2 | IncidentCounty | Field cannot be blank | Remove (US only) text and logic - Cannot be blank regardless of country |
| 2403 | 2 | IncidentCity | Field cannot be blank | Remove (US only) text and logic - Cannot be blank regardless of country |
| 8703 | 2 | DiagnosisIcd10 | At least one diagnosis must be provided and meet inclusion criteria. (ICD-10 CM only) | Added the list of exclusion codes |
| 8706 | 2 | DiagnosisIcd10 | At least one diagnosis must be provided and meet inclusion criteria. (ICD-10 CA only) | Added the list of exclusion codes |



2. Text change only

| Rule ID | Level | NTDS Element | Message | Note |
|------------|-------|-------------------------|---|--------------------------|
| | | | Field cannot be 'Not Known/Not | |
| | | | Recorded' when Home ZIP/Postal Code is | |
| | | | not 'Not Applicable' or 'Not Known/Not | |
| 0105 | 2 | HomeCountry | Recorded' | ¹ Text change |
| | | | Work-Related should be 1 (Yes) when | - |
| | | | Patient's Occupation is not 'Not | |
| 1405 | 4 | WorkRelated | Applicable' or 'Not Known/Not Recorded' | ¹ Text change |
| | | | Work-Related should be 1 (Yes) when | |
| | | | Patient's Occupational Industry is not 'Not | |
| 1406 | 4 | WorkRelated | Applicable' or 'Not Known/Not Recorded' | ¹ Text change |
| | | | Field cannot be 'Not Known/Not | |
| | | | Recorded' when Incident Location | |
| | | | ZIP/Postal Code is not 'Not Known/Not | |
| 2105 | 2 | IncidentCountry | Recorded' | ¹ Text change |
| | | | Protective Device should be 6 (Child | - |
| | | | Restraint) when Child Specific Restraint is | |
| | | | not 'Not Applicable' or 'Not Known/Not | |
| 2505 | 3 | ProtectiveDevice | Recorded' | ¹ Text change |
| | | | Protective Device should be 8 (Airbag | |
| | | | Present) when Airbag Deployment is not | |
| | | | 'Not Applicable' or 'Not Known/Not | |
| 2506 | 3 | ProtectiveDevice | Recorded' | ¹ Text change |
| | | | Transport Mode should not be 4 | |
| | | | (Private/Public Vehicle/Walk-in) when | |
| | | | EMS response times are not 'Not | |
| 3403 | 4 | TransportMode | Applicable' or 'Not Known/Not Recorded' | ¹ Text change |
| | | | Field cannot be 'Not Known/Not | |
| | | | Recorded' when Hospital Arrival Date and | |
| | | HospitalDischargeDispos | Hospital Discharge Date are not 'Not | |
| 7909 | 2 | ition | Applicable' or 'Not Known/Not Recorded' | ¹ Text change |
| | | | Field should not be Not Applicable unless | |
| 8804 | 4 | HospitalProcedureIcd10 | patient had no procedures performed | |

¹ Revise "not: (1) blank, (2) Not Applicable, or (3) Not Known/Not Recorded" to "not "Not Applicable" or "Not Known/Not Recorded".