**Syndromic Surveillance Test Suite Release Notes for 1.7.0 November 2, 2017**

**Test Data**

| **Test Case / ADT Profile** | **Issue** | **Resolution** |
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| SS-UC-1\_UC\_Visit\_Influenza\_Child | ICD-9 CM codes are provided in the Test Story and in the Test Data for DG1-3.  ONC has determined that HIT Modules no longer are required to demonstrate support for the ICD-9 CM value set for PV2-3 or DG1-3 during ONC certification testing.  ONC has determined that HIT Modules must demonstrate support for either the ICD-10 CM or the SNOMED CT value set for PV2-3 and DG1-3 for ONC certification testing. | **ICD-9 CM** code data (4871^Influenza with other respiratory manifestations and 38053^Stenosis of external ear canal due to inflammation) still are provided for this Test Case in the Test Stories and Example Test Messages.  These data will be replaced with equivalent ICD-10 CM and SNOMED CT code data (provided by the CDC subject matter experts) in a future release of the NIST Tool  Meanwhile, the HIT developer must provide equivalent ICD-10 CM or SNOMED CT codes for this Test Case; the Tester may ignore errors generated by the Test Tool related to incorrect code/name of coding system and must determine via visual inspection whether the ICD-10 CM or SNOMED CT code data are valid.  The **Notes for Testers** section on the Test Story tab provides additional information. |
|  | Support for the ADT^A08 message type in the Urgent Care Setting is Required by the PHIN Syndromic Surveillance Messaging Guide Release 2.0; however, the current Urgent Care Test Case does not include a Test Step for testing support of this message type. | The **Notes for Testers** section on the Test Story tab **at the Test Case level** has been modified to include this information:  “Support for the ADT^A08 message type in the Urgent Care Setting is Required by the PHIN Syndromic Surveillance Messaging Guide Release 2.0.  Until a Test Step for the A08 message type is added to the Urgent Care Test Case in the NIST Tool, Testers may, at the discretion of ONC, require HIT Modules to demonstrate support for the A08 message type using one of the two ED Test Cases in the Tool for certification testing.” |
| SS-ED-2\_ED\_Visit\_Patient\_Dies  SS-ED-3\_ED\_ Visit\_Patient\_Admitted  SS-IP-4\_Inpatient\_Visit\_Surgery | Notes for Testers include instructions for ensuring that the HIT Modules demonstrate support for ICD-9 CM, ICD-10 CM, and SNOMED CT codes for PV2-3 and/or DG1-3 during ONC certification testing  ONC has determined that HIT Modules must demonstrate support for either the ICD-10 CM or SNOMED CT value set for PV2-3 and DG1-3 for ONC certification testing. | **ICD-10 CM** code data still are provided in the test data for the **SS-ED-2\_ED\_Visit\_Patient\_Dies** and **SS-IP-4\_Inpatient\_Visit\_Surgery** Test Cases.  **SNOMED CT** code data still are provided in the test data for the **SS-ED-3\_ED\_ Visit\_Patient\_Admitted** Test Case.  The HIT developer must provide equivalent code data in situations where the test data do not include the value set (ICD-10 CM or SNOMED CT) the developer is using in their test messages, and the Tester must determine via visual inspection whether the code data used in the test messages are valid.  The **Notes for Testers** section on the Test Story tab for the Test Steps of these Test Cases provides additional information instructions. |
| Test Case:  SS-ED-3\_ED\_ Visit\_Patient\_Admitted  Test Step:  SS-ED-3.4\_Admission\_A01 | The coded data “261QE0002X^Emergency Care^HCPTNUCC” must be used to populate OBX-5.1, 5.2, and 5.3 for the OBX segment where OBX-3.1, 3.2, and 3.3 are populated with “SS003^Facility/Visit Type^PHINQUESTION”.  The ADT^A01 message type was designed to be used to communicate patient information related to inpatient admissions, and OBX-5 in the Facility/Visit Type OBX segment typically would be populated with “1021-5^Inpatient practice setting^HSLOC” from the PHVS\_FacilityVisitType\_SyndromicSurveillance Value Set for inpatient type. | ONC has decided that for certification testing either one of the following coded data are acceptable in OBX-5.1, 5.2, and 5.3 for the OBX segment where OBX-3.1, 3.2, and 3.3 are populated with “SS003^Facility/Visit Type^PHINQUESTION”:   * 261QE0002X^Emergency Care^HCPTNUCC * 1021-5^Inpatient practice setting^HSLOC   The Tool has been modified to allow either of these coded data to be used to populate the submitted message, and the Tool performs automated validation to check for those values. **Notes for Testers** on the Test Story tab includes verbiage that explains this modification.  The Example Message still uses “261QE0002X^Emergency Care^HCPTNUCC” to populate OBX-5.1, 5.2, and 5.3 for the Facility/Visit Type OBX segment. |

**Specific Validation**

| **Issue** | **Resolution** |
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| The HIT Modules must demonstrate support for ICD-9 CM, ICD-10 CM, and SNOMED CT value sets for PV2-3 and DG1-3 during ONC certification testing (in accordance with the PHIN Guide for Syndromic Surveillance Rel 2.0).  The Test Cases and Test Data in the Edition 2015 NIST Syndromic Surveillance Test Tool are designed to support certification testing using all of the Test Cases.   * The Urgent Care Visit Test Case was designed to test the HIT Module’s support for **ICD-9 CM** codes * The ED Visit with Mortality and Inpatient Visit Test Cases were designed to test the HIT Module’s support for **ICD-10 CM** codes * The ED Visit with Inpatient Admission Test Case was designed to test the HIT Module’s support for **SNOMED-CT** codes   The ONC Test Procedure document for the §170.315(f)(2) Transmission to public health agencies – syndromic surveillance criterion states “all test cases are required that apply to the health care setting(s) supported by the system under test.” | ONC has determined that HIT Modules no longer are required to demonstrate support for the ICD-9 CM value set for PV2-3 and DG1-3 during ONC certification testing.  ONC also has determined that HIT Modules must demonstrate support for either the ICD-10 CM or the SNOMED CT value set for PV2-3 and DG1-3 during ONC certification testing.  The verbiage in the **Notes for Testers** on the Test Story tab for each Test Step in the NIST Tool has been updated with specific instructions. |

**Documentation**

| **Issue** | **Resolution** |
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| ONC has determined that HIT Modules are no longer required to demonstrate support for the ICD-9 CM value set during certification testing, and has determined that support for either ICD-10 CM or SNOMED CT value sets must be demonstrated for PV2-3 and DG1-3 during certification testing. | Modifications explaining this new ONC determination have been made in Version 1.5 of the **NIST Syndromic Surveillance Normative Test Process Document;** see the **Document History** section of this document for details.  Modifications explaining this new ONC determination have been made in Version 4.0 of the NIST **Understanding Syndromic Surveillance ONC Certification Testing** document (see slides 17, 18, 19, 20, 21, 22, 27; broken url links have been fixed and the image on slide 30 has been updated. |
| NIST SS Clarifications and Validation Guidelines Version 1.5 document needs to be updated with new NIST-derived Conformance Statements | In Validation Policies section of Version 1.6: Item NIST-45 has been added regarding NIST-derived Conformance Statements NIST-SS-014 to NIST-SS-024 |
| Test Package (accessible from the Test Case Document section of the Documentation tab) has old verbiage in Notes for Testers related to certification testing involving ICD-9 CM, ICD-10 CM, and SNOMED CT | Test Package has been updated to “Version 1.4.0 31st October, 2017” and includes new verbiage in Notes for Testers related to certification testing involving ICD-9 CM, ICD-10 CM, and SNOMED CT |

**User Interface**

| **Issue** | **Resolution** |
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| Context-free validation displays list of SS\_Ack profiles and SS\_NOAck profiles upon the user selecting the Context-free option from the menu bar | Context-free validation displays “No Profile Available” until the user selects the desired profile option (either SS\_Ack profiles or SS\_NOAck) from the Profile Group drop-down menu |

**Core Functionality**

| **Issue** | **Resolution** |
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| The PHVS\_FacilityVisitType\_SyndromicSurveillance Value Set is not included in the Value Sets in the Tool and is needed for automated validation of OBX-5 in the Facility/Visit Type OBX segment | PHVS\_FacilityVisitType\_SyndromicSurveillance Value Set has been added to the Tool on the Value Sets / ValueSet Collections / CDC-SS tab. |
| The PHVS\_HeightUnit\_UCUM Value Set is not included in the Value Sets in the Tool and is needed for automated validation of OBX-6 in the Height OBX segment | PHVS\_HeightUnit\_UCUM Value Set has been added to the Tool on the Value Sets / ValueSet Collections / CDC-SS tab. |
| The PHVS\_WeightUnit\_UCUM Value Set is not included in the Value Sets in the Tool and is needed for automated validation of OBX-6 in the Weight OBX segment | PHVS\_WeightUnit\_UCUM Value Set has been added to the Tool on the Value Sets / ValueSet Collections / CDC-SS tab. |
| The NHSNHealthcareServiceLocationCode Value Set is not included in the Value Sets in the Tool and is needed for automated validation of OBX-5 in the Patient Location OBX segment | NHSNHealthcareServiceLocationCode Value Set has been added to the Tool on the Value Sets / ValueSet Collections / CDC-SS tab. |
| The PHVS\_SmokingStatus\_MU Value Set is not included in the Value Sets in the Tool and is needed for automated validation of OBX-5 in the Patient Location OBX segment | PHVS\_SmokingStatus\_MU Value Set has been added to the Tool on the Value Sets / ValueSet Collections / CDC-SS tab. |
| Duplicate PHVS\_AcknowledgementCode\_HL7\_2x (or PHVS\_AcknowledgmentCode\_HL7\_2x) entry is listed in the ValueSet Collections / CDC-SS tab. | One of the duplicate entries for PHVS\_AcknowledgementCode\_HL7\_2x (or PHVS\_AcknowledgmentCode\_HL7\_2x) has been deleted from the Value Sets / ValueSet Collections / CDC-SS tab. |

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| **Improvements/Features** |
| On the Test Execution page that displays when a Test Case or individual Test Step is loaded, the current icons for entering text into the Comments field for insertion into the Validation Report have been modified for ease-of-use. For example:  The previous icon for opening the text field  has been changed to ; and the previous icon for deleting the text  has been replaced by  , which allows the user to either accept the text entry by clicking on the check mark icon or delete the text entry by clicking on the X icon. Once the text has been accepted, these icons display:  , which allow the user to either add more text to the accepted text entry or delete the accepted text entry. |

**Issues for a Future Release**

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| **Test Case/if Applicable** | **Issue** |
| SS-UC-1\_UC\_Visit\_Influenza\_Child | ICD-9 CM code data in the example messages will be replaced with equivalent ICD-10 CM code data (provided by the CDC subject matter experts) and these ICD-10 CM code data will be validated automatically by the Tool; equivalent SNOMED CT code data (provided by the CDC subject matter experts) also will be validated automatically by the Tool and will be listed in the Notes for Testers |
| Test Case: SS-ED-2\_ED\_Visit\_Patient\_Dies  Test Step: SS-ED-2.3\_Discharge\_A03 | Code S060X8A, which is used in the test data, is no longer included in the ICD-10 CM coding system; this code will be replaced with an equivalent active ICD-10 CM code in a future release of the NIST Tool. Meanwhile, HIT developers should use an ICD-10 CM code for an equivalent diagnosis in their test message, and the Testers will ignore the error notification and visually inspect the message during certification testing to verify that the code is valid. |