**Data Elements Defining Unique Case and**

**Data Elements Identifying Most Recent Case Notification for**

**National Notifiable Diseases Surveillance System**

**Message Validation, Processing, and Provisioning System**

This document provides information to National Notifiable Diseases Surveillance System (NNDSS) reporting jurisdictions on which data elements are used to define a unique case and which elements are used by the Message Validation, Processing, and Provisioning System (MVPS) to identify the most recent notification for a case. The values used to define a unique case must remain the same when sending updates to a case. Any changes to these values will result in duplicate cases in MVPS.

**Data Elements Defining Unique Case in MVPS**

The following two data elements are used together to define a unique case for HL7 case notification messages transmitted to MVPS:

* Local Record ID (INV168 in OBR-3) and
* National Reporting Jurisdiction (77968-6).

Considerations for jurisdictions regarding Local Record ID to ensure that the ID is unique:

* + If system re-uses identifiers annually, add date component (e.g., year case created).
  + If multiple surveillance systems are used in the jurisdiction, add system indicator.
  + If sub-jurisdictions use their own systems, add a system or sub-jurisdiction indicator.
  + If migrating between systems, incorporate the original local record ID into the “legacy ID” field in new system.

Note: The data element *MMWR* Year (77992-6) in the HL7 case notification message is NOT part of the algorithm for defining a unique case within MVPS. If *MMWR* Year needs to be corrected prior to data closeout and finalization, make the correction to *MMWR* Year and send an updated case notification to CDC.

**Data Elements Identifying Most Recent Case Notification in MVPS**

The following data element is used by MVPS to identify the most recent notification for a case:

* Date Reported (NOT106 in OBR-22).

In the unique situation where a state is asked to retransmit a previously sent message or batch, MVPS uses MSH-7 to identify the most current record.

**NNDSS Legacy Data Systems**

This document provides information to National Notifiable Diseases Surveillance System (NNDSS) reporting jurisdictions on which data elements are used to define a unique case and which data elements are used to identify the most recent notification for a case sent through one of the legacy NNDSS routes. The values used to define a unique case must remain the same when sending updates. Any changes to these values will result in duplicate cases. The following information applies to notifications sent in the National Electronic Telecommunications System for Surveillance (NETSS), NEDSS Base System (NBS) Master Message, and old HL7 message formats.

**Data Elements Defining Unique Case in Legacy Systems**

The following data elements are used together to define a unique case:

NETSS format records: CaseID, State, Site ID, *MMWR* Year;

NBS Master Message: Local Record ID (INV168), NBS State Code (NBSMM001); and

Old HL7 format: Local Record ID (INV168), National Reporting Jurisdiction (NOT116).

For records that are phoned or faxed, INV165 (*MMWR* Week) is also included in the algorithm.

**Data Elements Identifying Most Recent Case Notification in Legacy Systems**

The following data elements are used to identify the most recent notification for a case:

NETSS Records: Date Received (NETSS006 from the manifest file) and

NBS Master Message:Date of Report (NBSMM003).