

Enterprise Data Governance

Care Management Data Exchange Standards

Care Management Category: Electronic Laboratory Reporting

Message Name: 2.3.1 ORL^O22

Agency: DGS DCLS

Description: Sent back to messaging partners to acknowledge receipt of an Electronic Order

Category: Reporting interface

Imp Guide Name: Electronic Test Order and Result Message

Abbreviation: ETOR - Result

Repository ID: EDS-R-89

Guide Version: Release 1.02

Messaging Std: HL7 2.3.1

Maintenance Org: Association of Public Health Laboratories

Description: Used to send lab results to other public health laboratories and CDC.

Availability: Implementation guide is available to APHL members on the APHL website. URL:
<http://www.aphlweb.org/>

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Care Management Data Exchange Standards

Care Management Category: Electronic Laboratory Reporting

Message Name: 2.5 OUL^R22

Agency: DGS DCLS

Description:

Category: Reporting interface

Imp Guide Name: PHIN LRN-B Lab Results Message Implementation Guide

Abbreviation: LRN-B

Repository ID: EDS-R-90

Guide Version: Release 2.5.4a

Messaging Std: HL7 2.5

Maintenance Org: US Centers for Disease Control and Prevention (CDC)

Description: Used by Public Health lab to report results to CDC LRN_B system for biological agent reporting.

Availability: Details of LRN operations are protected against general public access and distribution. These details, designated as "Sensitive But Unclassified" (SBU), are maintained on the CDC Team website (<http://team.cdc.gov>)

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Care Management Data Exchange Standards

Care Management Category: Electronic Laboratory Reporting

Message Name: 2.5.1 ACK^R01

Agency: DGS DCLS

Description: Used by to messaging partners to acknowledge receipt of a Specimen message

Category: Add Service trigger record, Update Service trigger, Add Service Response

Imp Guide Name: Acknowledgement of an Unsolicited Result message (event R01)

Abbreviation: Result Acknowledgement

Repository ID:

Guide Version:

Messaging Std: HL7 2.5.1

Maintenance Org: Health Level Seven International

Description: Used by VDH and CDC to acknowledge the receipt of laboratory results from public health laboratory .

Availability: Implementation guide is available Health Level Seven (HL7) Version 2.5.1, Result Acknowledgement (ACK) at <http://www.HL7.org>

Imp Guide Name: EPI Lab Capacity (ELC) Technical Implementation Guide for Lab Orders and Results

Abbreviation: ELC TIG

Repository ID:

Guide Version: DRAFT, Alpha Release 1.0, Aug 05, 2011

Messaging Std: HL7 2.5.1

Maintenance Org: Virginia Department of General Services (DGS) ISS

Description: Used to exchange electronic orders and results with ELC Pilot Hospital Partners

Availability: Implementation guide is available to designated ELC Pilot Hospitals
[http://dgsintranet/DO/ISS/Projects/Vickie%27s%20Team/EPI%20Lab%20Capacity%20Grant%20\(ELC\)/Hospital%20WorkGroup/Technical%20Implementation%20Guide/HL7%20Lab%20Order%20and%20Results%20Implementation%20Guide_v1%200-Release-Candidate.docx](http://dgsintranet/DO/ISS/Projects/Vickie%27s%20Team/EPI%20Lab%20Capacity%20Grant%20(ELC)/Hospital%20WorkGroup/Technical%20Implementation%20Guide/HL7%20Lab%20Order%20and%20Results%20Implementation%20Guide_v1%200-Release-Candidate.docx)

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Care Management Data Exchange Standards

Care Management Category: Electronic Laboratory Reporting

Message Name: 2.5.1 OML^O21

Agency: DGS DCLS

Description: Used by messaging partners to submit an Electronic Lab Order

Category: Add Service trigger record, Update Service trigger, Add Service Response

Imp Guide Name: EPI Lab Capacity (ELC) Technical Implementation Guide for Lab Orders and Results

Abbreviation: ELC TIG

Repository ID:

Guide Version: DRAFT, Alpha Release 1.0, Aug 05, 2011

Messaging Std: HL7 2.5.1

Maintenance Org: Virginia Department of General Services (DGS) ISS

Description: Used to exchange electronic orders and results with ELC Pilot Hospital Partners

Availability: Implementation guide is available to designated ELC Pilot Hospitals
[http://dgsintranet/DO/ISS/Projects/Vickie%27s%20Team/EPI%20Lab%20Capacity%20Grant%20\(ELC\)/Hospital%20WorkGroup/Technical%20Implementation%20Guide/HL7%20Lab%20Order%20and%20Results%20Implementation%20Guide_v1%200-Release-Candidate.docx](http://dgsintranet/DO/ISS/Projects/Vickie%27s%20Team/EPI%20Lab%20Capacity%20Grant%20(ELC)/Hospital%20WorkGroup/Technical%20Implementation%20Guide/HL7%20Lab%20Order%20and%20Results%20Implementation%20Guide_v1%200-Release-Candidate.docx)

Imp Guide Name: Electronic Test Order and Result Message

Abbreviation: ETOR – Order

Repository ID: EDS-R-88

Guide Version: Release 1.0

Messaging Std: HL7 2.5.1

Maintenance Org: Association of Public Health Laboratories

Description: Used to submit lab orders to other public health laboratories and CDC.

Availability: Implementation guide is available to APHL members on the APHL website. URL:
<http://www.aphlweb.org/>

Imp Guide Name: Newborn Dried Blood Spot (NDBS) Screening Guide for Laboratory Orders

Abbreviation: NDBS - Order

Repository ID: EDS-R-91

Guide Version: Release 4.0, Dec 13, 2010

Messaging Std: HL7 2.5.1

Maintenance Org: Public Health Informatics Institute

Description: Used by hospitals to submit Newborn Screening orders

Availability: Implementation guide is available to HL7 members on the PHII website. URL: <http://www.phii.org>

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Care Management Data Exchange Standards

Care Management Category: Electronic Laboratory Reporting

Message Name: 2.5.1 ORL^O22

Agency: DGS DCLS

Description: Sent back to messaging partners to acknowledge receipt of a Electronic Order

Category: Add Service trigger record, Update Service trigger, Add Service Response

Imp Guide Name: EPI Lab Capacity (ELC) Technical Implementation Guide for Lab Orders and Results

Abbreviation: ELC TIG

Repository ID:

Guide Version: DRAFT, Alpha Release 1.0, Aug 05, 2011

Messaging Std: HL7 2.5.1

Maintenance Org: Virginia Department of General Services (DGS) ISS

Description: Used to exchange electronic orders and results with ELC Pilot Hospital Partners

Availability: Implementation guide is available to designated ELC Pilot Hospitals
[http://dgsintranet/DO/ISS/Projects/Vickie%27s%20Team/EPI%20Lab%20Capacity%20Grant%20\(ELC\)/Hospital%20WorkGroup/Technical%20Implementation%20Guide/HL7%20Lab%20Order%20and%20Results%20Implementation%20Guide_v1%200-Release-Candidate.docx](http://dgsintranet/DO/ISS/Projects/Vickie%27s%20Team/EPI%20Lab%20Capacity%20Grant%20(ELC)/Hospital%20WorkGroup/Technical%20Implementation%20Guide/HL7%20Lab%20Order%20and%20Results%20Implementation%20Guide_v1%200-Release-Candidate.docx)

Imp Guide Name: Laboratory Acknowledgment Message

Abbreviation: Order Acknowledgement

Repository ID:

Guide Version:

Messaging Std: HL7 2.5.1

Maintenance Org: Health Level Seven International

Description: Used to acknowledge whether a lab order has been accepted or rejected by the receiving application.

Availability: Implementation guide is available Health Level Seven (HL7) Version 2.5.1, order Acknowledgement (ORL) at <http://www.HL7.org>

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Care Management Data Exchange Standards

Care Management Category: Electronic Laboratory Reporting

Message Name: 2.5.1 ORU^R01

Agency: DGS DCLS

Description: Sent back to messaging partners to acknowledge receipt of a Specimen

Category: Add Service trigger record, Update Service trigger, Add Service Response, Reporting interface

Imp Guide Name: Newborn Dried Blood Spot (NDBS) Screening Guide for Laboratory Results

Abbreviation: NDBS - Results

Repository ID: EDS-R-92

Guide Version: Release 2.0, May 13, 2011

Messaging Std: HL7 2.3.1

Maintenance Org: Public Health Informatics Institute

Description: Used by public health lab to report Newborn Screening results to hospitals and physicians

Availability: Implementation guide is available to HL7 members on the PHII website. URL: <http://www.phii.org>

Imp Guide Name: EPI Lab Capacity (ELC) Technical Implementation Guide for Lab Orders and Results

Abbreviation: ELC TIG

Repository ID:

Guide Version: DRAFT, Alpha Release 1.0, Aug 05, 2011

Messaging Std: HL7 2.5.1

Maintenance Org: Virginia Department of General Services (DGS) ISS

Description: Used to exchange electronic orders and results with ELC Pilot Hospital Partners

Availability: Implementation guide is available to designated ELC Pilot Hospitals
[http://dgsintranet/DO/ISS/Projects/Vickie%27s%20Team/EPI%20Lab%20Capacity%20Grant%20\(ELC\)/Hospital%20WorkGroup/Technical%20Implementation%20Guide/HL7%20Lab%20Order%20and%20Results%20Implementation%20Guide_v1%200-Release-Candidate.docx](http://dgsintranet/DO/ISS/Projects/Vickie%27s%20Team/EPI%20Lab%20Capacity%20Grant%20(ELC)/Hospital%20WorkGroup/Technical%20Implementation%20Guide/HL7%20Lab%20Order%20and%20Results%20Implementation%20Guide_v1%200-Release-Candidate.docx)

Imp Guide Name: Guide for Electronic Laboratory Reporting to Public Health

Abbreviation: ELR

Repository ID: EDS-R-84

Guide Version: Release 1 (US Realm) Feb 2010

Messaging Std: HL7 2.5.1

Maintenance Org: Health Level Seven International

Description: Used by hospitals and public health lab to communicate infectious and communicable disease data to VDH NBS system. Data is used by VDH for surveillance, outbreak management, and case reporting

Availability: Implementation guide is available Health Level Seven (HL7) Version 2.5.1, General Laboratory Response (ORU) at <http://www.HL7.org>

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Care Management Data Exchange Standards

Care Management Category: Electronic Laboratory Reporting

Message Name: 2.5.1 ORU^R01

Agency: DGS DCLS

Description: Sent back to messaging partners to acknowledge receipt of a Specimen

Category: Add Service trigger record, Update Service trigger, Add Service Response, Reporting interface

Imp Guide Name: Public Health Laboratory Interoperability Project Electronic Lab Surveillance Message

Abbreviation: PHLIP Illness Surveillance Program

Repository ID: EDS-R-85

Guide Version: Release Sept 2010

Messaging Std: HL7 2.5.1

Maintenance Org: Association of Public Health Laboratories

Description: Used to submit lab unsolicited flu results and to CDC surveillance

Availability: Implementation guide is available to APHL members on the APHL website. URL:
<http://www.aphlweb.org/>

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Care Management Data Exchange Standards

Care Management Category: Electronic Laboratory Reporting

Message Name: Electronic Laboratory Report to Public Health **Agency:** VDH

Description: Used by laboratories to submit reportable laboratory findings to Virginia Department of Health

Category: Add Service trigger record, Add service response record

Imp Guide Name: HL7 Version 2.5.1 Implementation Guide: Electronic Laboratory Reporting to Public Health, Release 1 (US Realm)

Abbreviation: V251_IG_LB_LABRPTPH_R1_INFORM_2010FE **Repository ID:**
B

Guide Version: 1.4

Messaging Std: HL7 ORU^R01 2.5.1

Maintenance Org: Health Level Seven International

Description: Used by laboratories to submit reportable laboratory findings to Virginia Department of Health

Availability: Implementation guide (HL7 Version 2.5.1 Implementation Guide: Electronic Laboratory Reporting to Public Health, Release 1 (US Realm)) is available to HL7 members from HL7.

Imp Guide Name: Reportable Condition Mapping Table

Abbreviation: RCMT **Repository ID:**

Guide Version:

Messaging Std: SNOMED and LOINC Most current available

Maintenance Org: US Centers for Disease Control and Prevention (CDC)

Description: This vocabulary standard defines the laboratory tests and finding that should be included in submissions of reportable laboratory findings to public health

Availability: Tables are available in PDF or machine readable formats through CDC's Public Health Information Network Vocabulary Access and Distribution System (PHIN VADS) at <http://phinvads.cdc.gov>

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Care Management Data Exchange Standards

Care Management Category: Electronic Laboratory Reporting

Message Name: Electronic Laboratory Report to Public Health Update **Agency:** VDH

Description: Used by laboratories to submit updates on reportable laboratory findings to Virginia Department of

Category: Update service trigger record, Update service response record

Imp Guide Name: HL7 Version 2.5.1 Implementation Guide: Electronic Laboratory Reporting to Public Health, Release 1 (US Realm)

Abbreviation: V251_IG_LB_LABRPTPH_R1_INFORM_2010FE **Repository ID:** B

Guide Version: 1.4

Messaging Std: HL7 ORU^R01 2.5.1

Maintenance Org: Health Level Seven International

Description: Used by laboratories to submit updates on reportable laboratory findings to Virginia Department of Health

Availability: Implementation guide (HL7 Version 2.5.1 Implementation Guide: Electronic Laboratory Reporting to Public Health, Release 1 (US Realm)) is available to HL7 members from HL7.

Enterprise Data Governance

Care Management Data Exchange Standards

Care Management Category: Immunization

Message Name: ACK - General Acknowledgement (HL7 2.3.1)

Agency: VDH

Description: Sent back to medical provider when message was rejected or for informational errors

Category: Add acknowledgment, Update acknowledgement

Imp Guide Name: Implementation Guide for Immunization Data Transactions using version 2.3.1 of Health Level 7 (HL7) Standard Protocol

Abbreviation:

Repository ID:

Guide Version: 2.2

Messaging Std: HL7 2.3.1

Maintenance Org: US Centers for Disease Control and Prevention (CDC)

Description: National standard used to submit immunization information

Availability: Implementation Guide is available at
<http://www.cdc.gov/vaccines/programs/iis/stds/downloads/hl7guide.pdf>

Imp Guide Name: Virginia Immunization Information System HL7 - 2.4 & Real-time Transfer Specification

Abbreviation:

Repository ID:

Guide Version:

Messaging Std: HL7 2.3.1

Maintenance Org: Virginia Department of Health (VDH)

Description: Used to Submit data to the Virginia Immunization System (VIIS) and further constrain the CDC's IG 2.3.1

Availability: Implementation Guide is available from Greg.Dennis@vdh.Virginia.gov or (804) 864 - 8060

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Care Management Data Exchange Standards

Care Management Category: Immunization

Message Name: QCK - Query General Acknowledgement (HL7 2.4) **Agency:** VDH

Description: Generated when no matching record found for a VXQ

Category: Inquiry response record

Imp Guide Name: Implementation Guide for Immunization Data Transactions using version 2.3.1 of Health Level 7 (HL7) Standard Protocol

Abbreviation:

Repository ID:

Guide Version: 2.2

Messaging Std: HL7 2.3.1

Maintenance Org: US Centers for Disease Control and Prevention (CDC)

Description: National standard used to submit immunization information

Availability: Implementation Guide is available at <http://www.cdc.gov/vaccines/programs/iis/stds/downloads/hl7guide.pdf>

Imp Guide Name: Virginia Immunization Information System HL7 - 2.4 & Real-time Transfer Specification

Abbreviation:

Repository ID:

Guide Version:

Messaging Std: HL7 2.3.1

Maintenance Org: Virginia Department of Health (VDH)

Description: Used to Submit data to the Virginia Immunization System (VIIS) and further constrain the CDC's IG 2.3.1

Availability: Implementation Guide is available from Greg.Dennis@vdh.Virginia.gov or (804) 864 - 8060

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Care Management Data Exchange Standards

Care Management Category: Immunization

Message Name: VXQ - Vaccine Query (HL7 2.4)

Agency: VDH

Description: Used by medical providers to request vaccine history of a patient

Category: Inquiry trigger

Imp Guide Name: Implementation Guide for Immunization Data Transactions using version 2.3.1 of Health Level 7 (HL7) Standard Protocol

Abbreviation:

Repository ID:

Guide Version: 2.2

Messaging Std: HL7 2.3.1

Maintenance Org: US Centers for Disease Control and Prevention (CDC)

Description: National standard used to submit immunization information

Availability: Implementation Guide is available at
<http://www.cdc.gov/vaccines/programs/iis/stds/downloads/hl7guide.pdf>

Imp Guide Name: Virginia Immunization Information System HL7 - 2.4 & Real-time Transfer Specification

Abbreviation:

Repository ID:

Guide Version:

Messaging Std: HL7 2.3.1

Maintenance Org: Virginia Department of Health (VDH)

Description: Used to Submit data to the Virginia Immunization System (VIIS) and further constrain the CDC's IG 2.3.1

Availability: Implementation Guide is available from Greg.Dennis@vdh.Virginia.gov or (804) 864 - 8060

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Care Management Data Exchange Standards

Care Management Category: Immunization

Message Name: VXR - Vaccine Response (HL7 2.4)

Agency: VDH

Description: Response to VXQ returning the vaccine record

Category: Inquiry response record

Imp Guide Name: Implementation Guide for Immunization Data Transactions using version 2.3.1 of Health Level 7 (HL7) Standard Protocol

Abbreviation:

Repository ID:

Guide Version: 2.2

Messaging Std: HL7 2.3.1

Maintenance Org: US Centers for Disease Control and Prevention (CDC)

Description: National standard used to submit immunization information

Availability: Implementation Guide is available at
<http://www.cdc.gov/vaccines/programs/iis/stds/downloads/hl7guide.pdf>

Imp Guide Name: Virginia Immunization Information System HL7 - 2.4 & Real-time Transfer Specification

Abbreviation:

Repository ID:

Guide Version:

Messaging Std: HL7 2.3.1

Maintenance Org: Virginia Department of Health (VDH)

Description: Used to Submit data to the Virginia Immunization System (VIIS) and further constrain the CDC's IG 2.3.1

Availability: Implementation Guide is available from Greg.Dennis@vdh.Virginia.gov or (804) 864 - 8060

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Care Management Data Exchange Standards

Care Management Category: Immunization

Message Name: VXU - Unsolicited Vaccine Record Update (HL7 2.3.1) **Agency:** VDH

Description: Used by medical provider to send vaccine record(s) for a patient

Category: Add trigger record, Add acknowledgment

Imp Guide Name: Implementation Guide for Immunization Data Transactions using version 2.3.1 of Health Level 7 (HL7) Standard Protocol

Abbreviation:

Repository ID:

Guide Version: 2.2

Messaging Std: HL7 2.3.1

Maintenance Org: US Centers for Disease Control and Prevention (CDC)

Description: National standard used to submit immunization information

Availability: Implementation Guide is available at <http://www.cdc.gov/vaccines/programs/iis/stds/downloads/hl7guide.pdf>

Imp Guide Name: Virginia Immunization Information System HL7 - 2.4 & Real-time Transfer Specification

Abbreviation:

Repository ID:

Guide Version:

Messaging Std: HL7 2.3.1

Maintenance Org: Virginia Department of Health (VDH)

Description: Used to Submit data to the Virginia Immunization System (VIIS) and further constrain the CDC's IG 2.3.1

Availability: Implementation Guide is available from Greg.Dennis@vdh.Virginia.gov or (804) 864 - 8060

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Care Management Data Exchange Standards

Care Management Category: Immunization

Message Name: VXX - Response to VXQ multiple matches (HL7 2.4) **Agency:** VDH

Description: Response to VXQ returning multiple PID matches

Category: Inquiry response record

Imp Guide Name: Implementation Guide for Immunization Data Transactions using version 2.3.1 of Health Level 7 (HL7) Standard Protocol

Abbreviation:

Repository ID:

Guide Version: 2.2

Messaging Std: HL7 2.3.1

Maintenance Org: US Centers for Disease Control and Prevention (CDC)

Description: National standard used to submit immunization information

Availability: Implementation Guide is available at <http://www.cdc.gov/vaccines/programs/iis/stds/downloads/hl7guide.pdf>

Imp Guide Name: Virginia Immunization Information System HL7 - 2.4 & Real-time Transfer Specification

Abbreviation:

Repository ID:

Guide Version:

Messaging Std: HL7 2.3.1

Maintenance Org: Virginia Department of Health (VDH)

Description: Used to Submit data to the Virginia Immunization System (VIIS) and further constrain the CDC's IG 2.3.1

Availability: Implementation Guide is available from Greg.Dennis@vdh.Virginia.gov or (804) 864 - 8060

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Care Management Data Exchange Standards

Care Management Category: Syndromic Surveillance

Message Name: Syndromic Surveillance Data to Public Health

Agency: VDH

Description: Used by acute and ambulatory care facilities to submit syndromic surveillance messages to Virginia

Category: Add service trigger record, Add service response record

Imp Guide Name: PHIN Messaging Guide for Syndromic Surveillance

Abbreviation: Syndromic Guide

Repository ID:

Guide Version: 1.4

Messaging Std: HL7 2.5.1

Maintenance Org: US Centers for Disease Control and Prevention (CDC)

Description: Used by acute and ambulatory care facilities to submit syndromic surveillance messages to Virginia Department of Health

Availability: Draft implementation guide (PHIN Messaging Guide for Syndromic Surveillance) was published in the federal register and is available at <http://www.regulations.gov/#!documentDetail;D=CDC-2011-0004-0002>. A new link will be provided when the final version is released.

Imp Guide Name: HL7 Version 2.5.1 Syndromic Surveillance Implementation Guide - Constraints and Amplifications

Abbreviation: Syndromic Guide Constraints

Repository ID:

Guide Version: 40765

Messaging Std: HL7 2.5.1

Maintenance Org: Virginia Department of Health (VDH)

Description: VDH constraints on PHIN Messaging Guide for Syndromic Surveillance, which is used for Virginia's Syndromic Surveillance Data to Public Health Message

Availability: VDH constraints are published on VDH web site at <http://www.vdh.virginia.gov/clinicians/meaningfuluse/submissionsofsyndromicsurveillancedata-standardsandrequirements.htm>

Enterprise Data Governance

Care Management Data Exchange Standards

Care Management Category: Syndromic Surveillance

Message Name: Syndromic Surveillance Update to Public Health **Agency:** VDH

Description: Used by acute and ambulatory care facilities to submit updates to syndromic surveillance messages

Category: Update service trigger record, Update service response record

Imp Guide Name: PHIN Messaging Guide for Syndromic Surveillance

Abbreviation: Syndromic Guide

Repository ID:

Guide Version: 1.4

Messaging Std: HL7 2.5.1

Maintenance Org: US Centers for Disease Control and Prevention (CDC)

Description: Used by acute and ambulatory care facilities to submit updates to syndromic surveillance messages to Virginia Department of Health

Availability: Draft implementation guide (PHIN Messaging Guide for Syndromic Surveillance) was published in the federal register and is available at <http://www.regulations.gov/#!documentDetail;D=CDC-2011-0004-0002>. A new link will be provided when the final version is released.
