Health IT Data Exchange Standards
Category, Cardinality, and Scope (DRAFT)

Category: Birth Reporting

Cardinality: One to Many

Scope: Both

Agency: VDH

Name: Birth DSS   **Ref ID:**   144

Description: Create file on VVESTS System

Messaging Partner: DSS

Format: Text		**Method:**	CD
Frequency: Monthly		**Type:**	Outbound
Source App: VVESTS		**Destination App:**	DSS

Name: Birth SSA   **Ref ID:**   142

Description: Create file on VVESTS System

Messaging Partner: SSA

Format: Text		**Method:**	FTP
Frequency: Bi-monthly		**Type:**	Outbound
Source App: VVESTS		**Destination App:**	SSA

Name: Mid-Atlantic Data exchange Births and Deaths   **Ref ID:**   145

Description: Create and receive files on VITA Mainframe

Messaging Partner: Mid-Atlantic states (Washington DC, West Virginia, Maryland, North Carolina)

Format: Text		**Method:**	FTP
Frequency: Yearly		**Type:**	Bi-directional
Source App: Mainframe HS Birth system		**Destination App:**	Mid-Atlantic states

---

Name: Vital Statistics data   **Ref ID:**   107

Description: Statistical data bases on all vital events: Births, Deaths, Fetal Deaths, Marriages, Divorces.

Messaging Partner: CDC/NCHS

Format: Text		**Method:**	FTP
Frequency: Semi-monthly		**Type:**	Outbound
Source App: Vital Records/Health Statistics		**Destination App:**	CDC/NCHS

Health IT Data Exchange Standards
Category, Cardinality, and Scope (DRAFT)

Category: Birth Reporting

Cardinality: One to Many

Scope: Both

Agency: VDH

Name: Vital Statistics data   **Ref ID:** 111

Description: Statistical data bases on all vital events: Births, Deaths.

Messaging Partner: Department of Medical Assistance Services

Format: Text	**Method:** FTP
Frequency: Monthly	**Type:** Outbound
Source App: Vital Records/Health Statistics	**Destination App:** Department of Medical Assistance Services

---

Name: Vital Statistics data   **Ref ID:** 113

Description: Statistical data bases on all vital events: Births, Deaths.

Messaging Partner: State Board of Elections

Format: Text	**Method:** FTP
Frequency: Yearly	**Type:** Outbound
Source App: Vital Records/Health Statistics	**Destination App:** Department of Board of Elections

---

Name: Vital Statistics data   **Ref ID:** 114

Description: Statistical data bases on all vital events: Births, Deaths.

Messaging Partner: Department of Education

Format: Text	**Method:** FTP
Frequency: Yearly	**Type:** Outbound
Source App: Vital Records/Health Statistics	**Destination App:** Department of Education

---

Name: Vital Statistics data   **Ref ID:** 115

Description: Statistical data bases on all vital events: Births, Deaths, Fetal Deaths, Induced Terminations of Pregnancy, Marriages, Divorces, Population.

Messaging Partner: Department of Health(Internal)

Format: Text	**Method:** FTP
Frequency: Semi-monthly	**Type:** Outbound
Source App: Vital Records/Health Statistics	**Destination App:** Department of Health(Internal)

Category: Birth Reporting

Cardinality: One to Many

Scope: Both

Agency: VDH

Name: Vital Statistics data	**Ref ID:** 116

Description: Statistical data bases on all vital events: Births, Deaths, Fetal Deaths, Induced Terminations of Pregnancy, Marriages, Divorces, Population.

Messaging Partner: Governor's Office for Substance Abuse Prevention

Format: Text	**Method:** FTP
Frequency: Yearly	**Type:** Outbound
Source App: Vital Records/Health Statistics	**Destination App:** Governor's Office for Substance Abuse Prevention

---

Name: Vital Statistics data	**Ref ID:** 118

Description: Statistical data bases on all vital events: Births, Deaths, Fetal Deaths, Induced Terminations of Pregnancy, Marriages, Divorces, Population.

Messaging Partner: The Library of Virginia

Format: Text	**Method:** FTP
Frequency: Yearly	**Type:** Outbound
Source App: Vital Records/Health Statistics	**Destination App:** The Library of Virginia

---

Name: Vital Statistics data	**Ref ID:** 119

Description: Statistical data bases on all vital events: Births, Deaths.

Messaging Partner: Weldon Cooper Center for Public Service

Format: Text	**Method:** FTP
Frequency: Yearly	**Type:** Outbound
Source App: Vital Records/Health Statistics	**Destination App:** Weldon Cooper Center for Public Service

Category: Death Reporting

Cardinality: One to Many

Scope: Both

Agency: VDH

Name: Death DSS		**Ref ID:**	147

Description: Create tape on VITA mainframe

Messaging Partner: DSS

Format: Text	**Method:**	FTP
Frequency: Quarterly	**Type:**	Outbound
Source App: Mainframe HS Death system	**Destination App:**	DSS

Name: Death Registry Data Match		**Ref ID:**	186

Description: On a yearly basis, it is required by CDC that HIV/AIDS surveillance data be matched against the vital records death data to update the vital status of each case. Internal staff hand deliver HIV data in a password protected excel sheet on a secured-password protected USB drive (Iron Key) to Vital Records. After the matching is completed by Vital Records the data is picked up by internal staff.

Messaging Partner: VDH DDP to and from Vital Records

Format: Excel	**Method:**	CD
Frequency: Ad-hoc, Yearly	**Type:**	Bi-directional
Source App: eHARS (evaluation HIV/AIDS Reporting System)	**Destination App:**	DDP server (secured data repository)

Stds used: Password protected Iron Key USB

Name: Death SBE		**Ref ID:**	138

Description: Place death data monthly on a SBE server

Messaging Partner: SBE

Format: Text	**Method:**	SFTP
Frequency: Monthly	**Type:**	Outbound
Source App: Mainframe HS Death system	**Destination App:**	SBE Veris

Name: Death SSA		**Ref ID:**	143

Description: Create file on VITA Mainframe

Messaging Partner: SSA

Format: Text	**Method:**	FTP
Frequency: Bi-monthly	**Type:**	Outbound
Source App: Mainframe HS Death system	**Destination App:**	SSA

Category: Death Reporting

Cardinality: One to Many

Scope: Both

Agency: VDH

Name: Mid-Atlantic Data exchange Births and Deaths	**Ref ID:** 145

Description: Create and receive files on VITA Mainframe

Messaging Partner: Mid-Atlantic states (Washington DC, West Virginia, Maryland, North Carolina)

Format: Text	**Method:** FTP
Frequency: Yearly	**Type:** Bi-directional
Source App: Mainframe HS Birth system	**Destination App:** Mid-Atlantic states

---

Name: Vital Statistics data	**Ref ID:** 107

Description: Statistical data bases on all vital events: Births, Deaths, Fetal Deaths, Marriages, Divorces.

Messaging Partner: CDC/NCHS

Format: Text	**Method:** FTP
Frequency: Semi-monthly	**Type:** Outbound
Source App: Vital Records/Health Statistics	**Destination App:** CDC/NCHS

Name: Vital Statistics data	**Ref ID:** 109

Description: Statistical data bases on all vital events: Deaths.

Messaging Partner: Department of Taxation

Format: Text	**Method:** FTP
Frequency: Monthly	**Type:** Outbound
Source App: Vital Records/Health Statistics	**Destination App:** Department of Taxation

---

Name: Vital Statistics data	**Ref ID:** 110

Description: Statistical data bases on all vital events: Deaths.

Messaging Partner: Department of Motor Vechicles

Format: Text	**Method:** FTP
Frequency: Monthly	**Type:** Outbound
Source App: Vital Records/Health Statistics	**Destination App:** Department of Motor Vechicles

---

Health IT Data Exchange Standards
Category, Cardinality, and Scope (DRAFT)

Category: Death Reporting

Cardinality: One to Many

Scope: Both

Agency: VDH

Name: Vital Statistics data   **Ref ID:** 111

Description: Statistical data bases on all vital events: Births, Deaths.

Messaging Partner: Department of Medical Assistance Services

Format: Text	**Method:** FTP
Frequency: Monthly	**Type:** Outbound
Source App: Vital Records/Health Statistics	**Destination App:** Department of Medical Assistance Services

---

Name: Vital Statistics data   **Ref ID:** 113

Description: Statistical data bases on all vital events: Births, Deaths.

Messaging Partner: State Board of Elections

Format: Text	**Method:** FTP
Frequency: Yearly	**Type:** Outbound
Source App: Vital Records/Health Statistics	**Destination App:** Department of Board of Elections

---

Name: Vital Statistics data   **Ref ID:** 114

Description: Statistical data bases on all vital events: Births, Deaths.

Messaging Partner: Department of Education

Format: Text	**Method:** FTP
Frequency: Yearly	**Type:** Outbound
Source App: Vital Records/Health Statistics	**Destination App:** Department of Education

---

Name: Vital Statistics data   **Ref ID:** 115

Description: Statistical data bases on all vital events: Births, Deaths, Fetal Deaths, Induced Terminations of Pregnancy, Marriages, Divorces, Population.

Messaging Partner: Department of Health(Internal)

Format: Text	**Method:** FTP
Frequency: Semi-monthly	**Type:** Outbound
Source App: Vital Records/Health Statistics	**Destination App:** Department of Health(Internal)

Category: Death Reporting

Cardinality: One to Many

Scope: Both

Agency: VDH

Name: Vital Statistics data **Ref ID:** 116

Description: Statistical data bases on all vital events: Births, Deaths, Fetal Deaths, Induced Terminations of Pregnancy, Marriages, Divorces, Population.

Messaging Partner: Governor's Office for Substance Abuse Prevention

Format: Text	**Method:** FTP
Frequency: Yearly	**Type:** Outbound
Source App: Vital Records/Health Statistics	**Destination App:** Governor's Office for Substance Abuse Prevention

---

Name: Vital Statistics data **Ref ID:** 117

Description: Statistical data bases on all vital events: Deaths.

Messaging Partner: Department of Labor and Industry

Format: Text	**Method:** FTP
Frequency: Yearly	**Type:** Outbound
Source App: Vital Records/Health Statistics	**Destination App:** Department of Labor and Industry

---

Name: Vital Statistics data **Ref ID:** 118

Description: Statistical data bases on all vital events: Births, Deaths, Fetal Deaths, Induced Terminations of Pregnancy, Marriages, Divorces, Population.

Messaging Partner: The Library of Virginia

Format: Text	**Method:** FTP
Frequency: Yearly	**Type:** Outbound
Source App: Vital Records/Health Statistics	**Destination App:** The Library of Virginia

---

Name: Vital Statistics data **Ref ID:** 119

Description: Statistical data bases on all vital events: Births, Deaths.

Messaging Partner: Weldon Cooper Center for Public Service

Format: Text	**Method:** FTP
Frequency: Yearly	**Type:** Outbound
Source App: Vital Records/Health Statistics	**Destination App:** Weldon Cooper Center for Public Service

---

Category: Death Reporting

Cardinality: One to One

Scope: Both

Agency: VDH

Name: Induced death		**Ref ID:** 146

Description: Place North Carolina Induced death on VITA mainframe

Messaging Partner: North Carolina Health Statistics

Format: Text	**Method:** FTP	
Frequency: Yearly	**Type:** Inbound	
Source App: North Carolina	**Destination App:** Mainframe Induced Death system	

Category: Death Reporting

Cardinality: One to One

Scope: Non-COV

Agency: VDH

Name: HIV/AIDS Morbidity Transfer   **Ref ID:** 84

Description: Routine HIV/AIDS morbidity/surveillance data are entered into the centralized eHARS application and submitted to CDC via the CDC Secure Data Network

Messaging Partner: CDC-National Center for HIV/AIDS, Viral Hepatitis, STD, and TB Prevention (NCHHSTP)

Format: Text	**Method:** HTTPS
Frequency: Monthly	**Type:** Bi-directional
Source App: eHARS (evaluation HIV/AIDS Reporting System)	**Destination App:** CDC (Centers for Disease Control) data server

---

Name: STD Morbidity Transfer   **Ref ID:** 83

Description: Routine STD morbidity/surveillance data are entered into the centralized STD*MIS application and submitted to CDC via the CDC Secure Data Network

Messaging Partner: CDC-National Center for HIV/AIDS, Viral Hepatitis, STD, and TB Prevention (NCHHSTP)

Format: Text	**Method:** HTTPS
Frequency: Weekly	**Type:** Outbound
Source App: STD*MIS (Sexually Transmitted Disease Management Information System)	**Destination App:** CDC (Centers for Disease Control) data server

---

Category: Electronic Lab Reporting

Cardinality: Many to One

Scope: Non-COV

Agency: DGS DCLS

Name: Web Order System (DCLSNet)		**Ref ID:**	189

Description: Web-based order submission and viewing of results.

Messaging Partner: Multiple

Format: HTML	**Method:**	HTTPS
Frequency: Real-Time	**Type:**	Inbound
Source App: Manual entry	**Destination App:**	SUNRISE
Vocab Std: FIPS	**Other Std:**	
Message Std:	**Version:**	N/A
Stds used: FIPS		

DCLS plans upgrade to HL7?: No

DCLS upgrade note: N/A

Category: Electronic Lab Reporting

Cardinality: Many to One

Scope: Non-COV

Agency: VDH

Name: LeadTrax Lab Results	**Ref ID:**	149

Description: Labs send the file to OFHS

Messaging Partner: Currently 8 labs

Format: Text (Pipe Delimited)	**Method:** FTP
Frequency: Daily	**Type:** Inbound
Source App: Various Labs	**Destination App:** LeadTrax
Vocab Std:	**Other Std:**
Message Std: HL7 Message	**Version:**
Stds used: HL7	

Category: Electronic Lab Reporting

Cardinality: One to Many

Scope: Non-COV

Agency: VDH

Name: Harmful Algal Bloom Data	**Ref ID:** 82

Description: ODU and VIMS sends algal bloom results to VDH central office. In return, that data is entered into a CDC database.

Messaging Partner: CDC - EPI, ODU & VIMS

Format: Manual Data Entry	**Method:** Web services
Frequency: Monthly	**Type:** Bi-directional
Source App: none	**Destination App:** HABISS

Name: Rabies Lab Results	**Ref ID:** 121

Description: Local Health Depts around the Commonwealth use the VDH VENIS application to receive nightly electronic lab results from DCLS.

Messaging Partner: LHD (approx. 119)

Format: Text (Pipe Delimited)	**Method:** Email
Frequency: Daily	**Type:** Outbound
Source App: VENIS	**Destination App:** VENIS - Local

Health IT Data Exchange Standards
Category, Cardinality, and Scope (DRAFT)

Category: Electronic Lab Reporting

Cardinality: One to One

Scope: COV

Agency: DGS DCLS

Name: Blood Lead Results | **Ref ID:** 5

Description: Results for clinical specimens

Messaging Partner: VDH

Format: Text (Pipe Delimited)	**Method:** HTTPS
Frequency: Weekly	**Type:** Outbound
Source App: SUNRISE	**Destination App:** Leadtracks
Vocab Std: UCUM	**Other Std:**
Message Std:	**Version:** N/A

Stds used: UCUM

DCLS plans upgrade to HL7?: No

DCLS upgrade note: VDH legacy system can not consume HL7 message.

Name: DEQ Water Sample Results and Status Reports | **Ref ID:** 37

Description: Results and notifications of reception, rejection, and completion for DEQ water sample submissions.

Messaging Partner: DEQ

Format: Text (Fixed width)	**Method:** FTP
Frequency: Daily	**Type:** Outbound
Source App: ENVLIMS and Legacy LIMS	**Destination App:** DEQ Oracle Database
Vocab Std:	**Other Std:** EPA methods
Message Std: STORET	**Version:** N/A

Stds used: Storet /EPA methods

DCLS plans upgrade to HL7?: No

DCLS upgrade note: DEQ legacy system can not consume HL7 message

Category: Electronic Lab Reporting

Cardinality: One to One

Scope: COV

Agency: DGS DCLS

Name: DEQ Water Sample Submissions   **Ref ID:** 36

Description: Orders for water sample submissions from DEQ are are received and processed into the Environmental LIMS.

Messaging Partner: DEQ

Format: Text (Tab)		**Method:** FTP
Frequency: Real-Time, Semi-daily		**Type:** Inbound
Source App: DEQ Oracle Database		**Destination App:** ENVLIMS
Vocab Std:		**Other Std:**
Message Std: STORET		**Version:** N/A
Stds used: Storet		

DCLS plans upgrade to HL7?: No

DCLS upgrade note: DEQ legacy system can not consume HL7 message

---

Name: Electronic Lab Orders   **Ref ID:** 1

Description: Local Health Depts around the Commonwealth use the VDH Webvision application to submit nightly electronic lab orders to DCLS.

Messaging Partner: VDH

Format: Text (Pipe Delimited)		**Method:** HTTPS
Frequency: Daily		**Type:** Inbound
Source App: Webvision		**Destination App:** SUNRISE
Vocab Std: HL7 Vocabulary		**Other Std:**
Message Std:		**Version:** N/A
Stds used: HL7 tables for race/ethnicity/sex		

DCLS plans upgrade to HL7?: No

DCLS upgrade note: VDH legacy system can not consume HL7 message.

Category: Electronic Lab Reporting

Cardinality: One to One

Scope: COV

Agency: DGS DCLS

Name: ELR Results   **Ref ID:** 24

Description: Reporting of finalized results for influenza using the Electronic Lab Reporting 2.5.1 ORU^R01 messaging guidelines; this will soon include reporting of other nationally notifiable diseases; this is scheduled to be moved to production by 4Sep09. (In prod as of 08/01/10 but see ElR Results Rev.2)

Messaging Partner: VDH

Format: HL7	**Method:** HTTPS
Frequency: Semi-daily	**Type:** Outbound
Source App: SUNRISE	**Destination App:** eWebIT (a black-box application for NEDSS-based reporting)
Vocab Std: FIPS, LOINC, SNOMED, UCUM	**Other Std:**
Message Std: HL7 Message	**Version:** 2.5.1

Stds used: SNOMED, LOINC, HL7, UCUM, FIPS

DCLS plans upgrade to HL7?: N/A

DCLS upgrade note: Version 2.5.1 and downgrade to 2.3.1 so VDH can consume message

---

Name: ELR Results   **Ref ID:** 162

Description: Reporting of finalized results for influenza and HIV using the Electronic Lab Reporting 2.5.1 ORU^R01 messaging guidelines down-mapped to ELR 2.3.1; this will soon include reporting of other nationally notifiable diseases.

Messaging Partner: VDH

Format: HL7	**Method:** HTTPS
Frequency: Daily	**Type:** Outbound
Source App: SUNRISE	**Destination App:** eWebIT (a black-box application for NEDSS-based reporting)
Vocab Std: FIPS, LOINC, SNOMED, UCUM, CDC Code Sets	**Other Std:**
Message Std: HL7 Message	**Version:** 2.3.1

Stds used: SNOMED, LOINC, HL7, UCUM, FIPS, CDC-defined codesets

DCLS plans upgrade to HL7?: N/A

DCLS upgrade note: Version 2.5.1

Category: Electronic Lab Reporting

Cardinality: One to One

Scope: COV

Agency: DGS DCLS

Name: HIV Grant Results	**Ref ID:** 7

Description: Results of HIV tests that are part of a specific VDH/CDC grant program and pertinent epi data

Messaging Partner: VDH

Format: Text (Pipe Delimited)	**Method:** HTTPS
Frequency: Daily	**Type:** Outbound
Source App: SUNRISE	**Destination App:** VDH HIV Surveillance
Vocab Std: HL7 Vocabulary, PHIN-VADS	**Other Std:**
Message Std: CDC	**Version:** N/A

Stds used: CDC Proprietary (different from those used with the Routine HIV File), HL7 tables for race/marital status/ethnicity, and PHIN_VADS

DCLS plans upgrade to HL7?: No

DCLS upgrade note: VDH legacy system can not consume HL7 message.

Name: HIV Incidence Eligibility Defined Universe	**Ref ID:** 9

Description: VDH's response to the HIV Incidence Eligibility Potential Universe message, in which they send there derterminations of qualifying samples

Messaging Partner: VDH

Format: Text (CSV)	**Method:** HTTPS
Frequency: Ad-hoc	**Type:** Inbound
Source App: MS Excel - EHARS	**Destination App:** SUNRISE

Stds used: none

DCLS plans upgrade to HL7?: No

DCLS upgrade note: VDH legacy system can not consume HL7 message.

Name: HIV Incidence Eligibility Potential Universe	**Ref ID:** 8

Description: A subset of positive western blot results are sent to VDH to determine whether the samples should be sent to the CDC for further testing and epi research (the CDC STARS program)

Messaging Partner: VDH

Format: Text (CSV)	**Method:** HTTPS
Frequency: Weekly	**Type:** Outbound
Source App: SUNRISE	**Destination App:** MS Excel - EHARS

Stds used: none

DCLS plans upgrade to HL7?: No

DCLS upgrade note: VDH legacy system can not consume HL7 message.

Category: Electronic Lab Reporting

Cardinality: One to One

Scope: COV

Agency: DGS DCLS

Name: HIV Incidence Eligibility Summary		**Ref ID:** 10

Description: A response file that includes the STARS ID's of the qualifying samples

Messaging Partner: VDH

Format: Text (CSV)	**Method:** HTTPS
Frequency: Real-Time	**Type:** Outbound
Source App: SUNRISE	**Destination App:** MS Excel - EHARS

Stds used: none

DCLS plans upgrade to HL7?: No

DCLS upgrade note: VDH legacy system can not consume HL7 message.

Name: HIV Routine Results		**Ref ID:** 6

Description: Results of HIV tests that are not part of a specific VDH/CDC grant program and pertinent epi data

Messaging Partner: VDH

Format: Text (Pipe Delimited)	**Method:** HTTPS
Frequency: Daily	**Type:** Outbound
Source App: SUNRISE	**Destination App:** VDH HIV Surveillance
Vocab Std: HL7 Vocabulary, PHIN-VADS	**Other Std:**
Message Std: CDC (HIV)	**Version:** N/A

Stds used: CDC Proprietary, HL7 tables for race/marital status/ethnicity, and PHIN_VADS

DCLS plans upgrade to HL7?: No

DCLS upgrade note: VDH legacy system can not consume HL7 message.

Name: Influenza surveilance results		**Ref ID:** 11

Description: Results of influenza test steps once they have reached step approval but before they have been realeased.

Messaging Partner: VDH

Format: Text (Pipe Delimited)	**Method:** HTTPS
Frequency: Semi-daily	**Type:** Outbound
Source App: SUNRISE	**Destination App:** MS Access database - EPI Support
Vocab Std: FIPS, HL7 Vocabulary	**Other Std:**
Message Std:	**Version:** N/A

Stds used: HL7 tables for race, ethinicity, sex, FIPS

DCLS plans upgrade to HL7?: Yes

DCLS upgrade note: Hope to move this interface into ELR 2.5.1

Category: Electronic Lab Reporting

Cardinality: One to One

Scope: COV

Agency: DGS DCLS

Name: Newborn Screening - Follow-up records   **Ref ID:**   14

Description: Newborn screening metadata and results for critically diagnosed infants

Messaging Partner: VDH

Format: Excel		**Method:**	HTTPS
Frequency: Daily		**Type:**	Outbound
Source App: NBS		**Destination App:**	VISITS
Vocab Std: HL7 Vocabulary		**Other Std:**	
Message Std:		**Version:**	N/A

Stds used: HL7 tables for race/ethnicity/sex

DCLS plans upgrade to HL7?: No

DCLS upgrade note: VDH legacy system can not consume HL7 message.

Name: Newborn Screening Results   **Ref ID:**   13

Description: Newborn screening metadata and results

Messaging Partner: VDH

Format: Text (Pipe Delimited)		**Method:**	HTTPS
Frequency: Weekly		**Type:**	Outbound
Source App: NBS		**Destination App:**	MS Access database - EPI Support
Vocab Std: HL7 Vocabulary		**Other Std:**	
Message Std:		**Version:**	N/A

Stds used: HL7 tables for race/ethnicity/sex

DCLS plans upgrade to HL7?: No

DCLS upgrade note: VDH legacy system can not consume HL7 message.

Name: SDWIS Status Reports   **Ref ID:**   22

Description: A list of SDWIS samples received by the lab where testing has not been completed

Messaging Partner: VDH

Format: Text (Pipe Delimited)		**Method:**	HTTPS
Frequency: Daily		**Type:**	Outbound
Source App: ENVLIMS		**Destination App:**	ENVLIMS
Vocab Std: SDWIS, UCUM		**Other Std:**	EPA Methods
Message Std:		**Version:**	N/A

Stds used: SDWIS vocabulary, UCOM, EPA Methods

DCLS plans upgrade to HL7?: No

DCLS upgrade note: N/A

Health IT Data Exchange Standards
Category, Cardinality, and Scope (DRAFT)

Category: Electronic Lab Reporting

Cardinality: One to One

Scope: COV

Agency: DGS DCLS

Name: TB results and communication logs   **Ref ID:** 16

Description: TB results and updates are sent to VDH in order to track samples over the significantly long period of testing.

Messaging Partner: VDH

Format: Text (CSV)		**Method:**	HTTPS
Frequency: Daily		**Type:**	Outbound
Source App: SUNRISE		**Destination App:**	MS Access database
Vocab Std: FIPS, HL7 Vocabulary		**Other Std:**	
Message Std:		**Version:**	N/A

Stds used: HL7 tables for race, ethinicity, sex, FIPS

DCLS plans upgrade to HL7?: Yes

DCLS upgrade note: Hope to move this interface into ELR 2.5.1

Name: VDH non-VENIS Rabies Results   **Ref ID:** 18

Description: Results of specimens that do not have valid VENIS id's

Messaging Partner: VDH

Format: HTML, Text (Pipe Delimited)	**Method:**	Email, HTTPS
Frequency: Daily	**Type:**	Outbound
Source App: SUNRISE	**Destination App:**	MS Exchange; results are emailed to Local Health Departments (LHDs)

Stds used: none

DCLS plans upgrade to HL7?: No

DCLS upgrade note: VDH legacy system can not consume HL7 message.

Name: VDH VENIS Rabies Results   **Ref ID:** 17

Description: Results of specimens that have been entered into VDH's rabies surveillance application (VENIS)

Messaging Partner: VDH

Format: HTML, Text (Pipe Delimited)	**Method:**	Email, HTTPS
Frequency: Daily	**Type:**	Outbound
Source App: SUNRISE	**Destination App:**	VENIS

Stds used: none

DCLS plans upgrade to HL7?: No

DCLS upgrade note: VDH legacy system can not consume HL7 message.

Category: Electronic Lab Reporting

Cardinality: One to One

Scope: COV

Agency: DGS DCLS

Name: Water Sample Results   **Ref ID:** 20

Description: Test results for VDH's Office of Drinking Water samples as part of the EPA Safe Drinking Water Information Service's program (SDWIS)

Messaging Partner: VDH

Format: XML   **Method:** HTTPS

Frequency: Daily   **Type:** Outbound

Source App: ENVLIMS   **Destination App:** SDWIS

Vocab Std: SDWIS, UCUM   **Other Std:** EPA Methods

Message Std: **Version:** SDWIS 2.0 schema

Stds used: SDWIS vocabulary, UCOM, EPA Methods

DCLS plans upgrade to HL7?: No

DCLS upgrade note: Using EPA standard reporting format known as SDWIS

Name: Waterborne Hazards   **Ref ID:** 19

Description: Results of water samples from DEQ that are tested for waterborne hazards

Messaging Partner: VDH

Format: Text (Pipe Delimited)   **Method:** HTTPS

Frequency: Weekly   **Type:** Outbound

Source App: ENVLIMS   **Destination App:** Office of Water Programs - Hazards

Stds used: none

DCLS plans upgrade to HL7?: No

DCLS upgrade note: Will migrate to SEDDS which is an EPA reporting standard

Category: Electronic Lab Reporting

Cardinality: One to One

Scope: COV

Agency: DGS DCLS

Name: Webvision Results   **Ref ID:**   26

Description: Results, both preliminary and final, of tests ordered through the Webvision system; this is
scheduled to be moved to production by 11Sep09. (New release date Oct 2010)

Messaging Partner: VDH

Format: Text (Pipe Delimited)   **Method:** HTTPS

Frequency: Daily   **Type:** Outbound

Source App: SUNRISE   **Destination App:** Webvision

Vocab Std: FIPS, HL7 Vocabulary, LOINC,   **Other Std:**
SNOMED, UCUM

Message Std: **Version:** N/A

Stds used: SNOMED, LOINC, HL7 tables for race/marital status/ethnicity, UCUM, FIPS

DCLS plans upgrade to HL7?:   No

DCLS upgrade note: VDH legacy system can not consume HL7 message.

Category: Electronic Lab Reporting

Cardinality: One to One

Scope: COV

Agency: VDH

Name: Animal Arboviral results	**Ref ID:** 79

Description: VDACS forwards information about animals that have tested positive for arboviruses

Messaging Partner: Virginia Department of Agriculture and Consumer Services

Format: Text	**Method:** Email
Frequency: Ad-hoc	**Type:** Inbound
Source App: none	**Destination App:** state public health entomologist's email address

---

Name: Animal Rabies results	**Ref ID:** 77

Description: DCLS forwards animal rabies test results to the VDH central office and these results are automatically forwarded to all health districts

Messaging Partner: DCLS

Format: Text (Pipe Delimited)	**Method:** HTTP
Frequency: Daily	**Type:** Bi-directional
Source App: SUNRISE	**Destination App:** VENIS; MS exchnage, results are emailed to LDHs

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Name: Blood Lead Results	**Ref ID:** 123

Description: Lead-Safe Virginia Program submits electronic lab data to CDC

Messaging Partner: DCLS

Format: Text (Pipe Delimited)	**Method:** HTTPS
Frequency: Weekly	**Type:** Inbound
Source App: SUNRISE	**Destination App:** LeadTrax

Name: DCLS HIV ELR Download	**Ref ID:** 95

Description: HIV screening tests performed by DCLS for use in quality assurance activities for federally funded programs.

Messaging Partner: DCLS and DSI

Format: Text (Pipe Delimited)	**Method:** HTTPS
Frequency: Daily	**Type:** Inbound
Source App: DCLS - LIMS, Rhapsody	**Destination App:** STAN - DDP server (secured data repository)

Stds used: Encrypted file

Category: Electronic Lab Reporting

Cardinality: One to One

Scope: COV

Agency: VDH

Name:	DCLS HIV Incidence	**Ref ID:**	94

Description: List of positive patients used to assess eligibility for HIV incidence program is sent by DCLS to DDP. Patients eligible are returned to DCLS for forwarding of samples to STAHRS lab. Tracking numbers for all eligible specimens sent to STAHRS lab are provided back to DDP by DCLS.

Messaging Partner: DCLS and DSI

Format:	Text (Pipe Delimited)	**Method:**	HTTPS
Frequency:	Weekly	**Type:**	Bi-directional
Source App:	DCLS -LIMS and Rhapsody	**Destination App:**	Seabreeze server file storage and DCLS server

Stds used: Encrypted file

Name:	Drinking Water Data - DCLS	**Ref ID:**	60

Description: DCLS uses Rhapsody and their LIMS to produce and send three types of messages containing lab data for the Office of Drinking Water for all jurisdictions of Virginia and VDH-DSI uses Rhapsody to decrypt the messages and create files from them for consumption by VDH-ODW.

Messaging Partner: DCLS

Format:	Text (Pipe Delimited)	**Method:**	HTTPS
Frequency:	Daily	**Type:**	Inbound
Source App:	LIMS/Rhapsody	**Destination App:**	Rhapsody/?

Name:	Electronic Laboratory Results - DCLS	**Ref ID:**	163

Description: VDH EPI/DSI will begin acceptance testing of a standards-based message DCLS creates and sends using Rhapsody and their LIMS to produce containing lab report information for multiple diseases for all jurisdictions of Virginia and VDH-DSI will use Rhapsody to decrypt the messages and insert the data int

Messaging Partner: DCLS

Format:	Text (Pipe Delimited)	**Method:**	HTTPS
Frequency:	Daily	**Type:**	Inbound
Source App:	LIMS/Rhapsody	**Destination App:**	Rhapsody/NEDSS/HIV STD database
Vocab Std:	LOINC, OMB, SNOMED, CDC Code Sets	**Other Std:**	ISO
Message Std:	HL7 Message	**Version:**	2.3.1

Stds used: HL7 ORUR01, SNOMED, LOINC, ISO, OMB, CDC, other demographic and clinical codesets

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Category: Electronic Lab Reporting

Cardinality: One to One

Scope: COV

Agency: VDH

Name: fish testing data　　　　　　　　　　　　　　　**Ref ID:** 80

Description: DEQ sends data reflecting fish testing results for the state public health toxicologist's review in order to determine whether fish advisories are necessary

Messaging Partner: DEQ

Format: Text		**Method:** Email	
Frequency: Ad-hoc		**Type:** Inbound	
Source App: none		**Destination App:** state public health toxicologist's email address	

Name: Flu Preliminary Lab Findings - DCLS　　　　　　　**Ref ID:** 50

Description: DCLS uses Rhapsody and their LIMS to produce and send a message containing preliminary lab report information and some clinical information for Flu for all jurisdictions of Virginia and VDH-DSI uses Rhapsody to decrypt the messages and insert the data into SQL Server for use by the Flu Reporting application.

Messaging Partner: DCLS

Format: Text (Pipe Delimited)	**Method:** HTTPS	
Frequency: Real-Time	**Type:** Inbound	
Source App: LIMS/Rhapsody	**Destination App:** Rhapsody/Flu Reporting	
Vocab Std: LOINC, OMB, SNOMED, CDC Code Sets	**Other Std:** ISO	
Message Std: HL7 Message	**Version:** N/A	

Stds used: HL7 ORURO1, SNOMED, LOINC, ISO, OMB, CDC, other demographic and clinical codesets

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Name: Lead Electronic Lab Reports - DCLS　　　　　　　**Ref ID:** 51

Description: DCLS uses Rhapsody and their LIMS to produce and send a message containing final lab reports and some clinical information for Lead for all jurisdictions of Virginia and VDH-DSI uses Rhapsody to decrypt the messages and create files from them for consumption by Lead Traxx.

Messaging Partner: DCLS

Format: Text (Pipe Delimited)	**Method:** HTTPS	
Frequency: Weekly	**Type:** Inbound	
Source App: LIMS/Rhapsody	**Destination App:** Rhapsody/Lead Traxx	
Vocab Std: LOINC, OMB, SNOMED, CDC Code Sets	**Other Std:** ISO	
Message Std: HL7 Message	**Version:** 2.3.1	

Stds used: HL7 ORURO1, SNOMED, LOINC, ISO, OMB, CDC, other demographic and clinical codesets

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Health IT Data Exchange Standards
Category, Cardinality, and Scope (DRAFT)

Category: Electronic Lab Reporting

Cardinality: One to One

Scope: COV

Agency: VDH

Name: MCV HIV Data Transfer   **Ref ID:** 187

Description: On a weekly basis lab data will be picked up from MCV lab by internal staff. This data contains CD4 and viral loads lab results for patients that will be used to update eHARS patients information and to capture new cases based on their lab results.

Messaging Partner: Laboratory (MCV to VDH DDP)

Format: Excel	**Method:** CD
Frequency: Weekly	**Type:** Inbound
Source App: MCV laboratory application	**Destination App:** DDP server (secured data repository)

Stds used: None

Name: Newborn Screening Data - DCLS   **Ref ID:** 56

Description: DCLS uses Rhapsody and their LIMS to produce and send a message containing Newborn Screening data for all jurisdictions of Virginia and Rhapsody is used to decrypt the messages and create files from them for consumption by the Data Warehouse.

Messaging Partner: DCLS

Format: Text (Pipe Delimited)	**Method:** HTTPS
Frequency: Weekly	**Type:** Inbound
Source App: LIMS/Rhapsody	**Destination App:** Rhapsody/Data Warehouse

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Name: Outbreak Data   **Ref ID:** 57

Description: VDH-DSI uses SQL Server to produce a message containing outbreak information for DCLS to use in their lab reporting and uses Rhapsody to encrypt and send the messages.

Messaging Partner: DCLS

Format: Text (Pipe Delimited)	**Method:** HTTPS
Frequency: Real-Time	**Type:** Outbound
Source App: SQL Server/Rhapsody	**Destination App:** Sunrise

Health IT Data Exchange Standards
Category, Cardinality, and Scope (DRAFT)

Category: Electronic Lab Reporting

Cardinality: One to One

Scope: COV

Agency: VDH

Name: Rabies Data - DCLS

Ref ID: 64

Description: DCLS uses Rhapsody and their LIMS to produce and send two types of messages containing Rabies data for all jurisdictions of Virginia and VDH-DSI uses Rhapsody to receive the messages, decrypt them, create files from them. Then Rhapsody emails one file type to an email list to be consumed by Healthspace and emails the other file type to an alternate email list to be consumed by Venis.

Messaging Partner: DCLS

Format: HTML, Text (Pipe Delimited)	**Method:** HTTPS	
Frequency: Daily	**Type:** Inbound	
Source App: LIMS/Rhapsody	**Destination App:** Rhapsody/Healthspace/Venis	

Name: Rabies Lab Results

Ref ID: 120

Description: Nightly electronic lab results for Rabies are sent from DCLS to VDH EPI

Messaging Partner: DCLS

Format: Text (Pipe Delimited)	**Method:** HTTPS	
Frequency: Daily	**Type:** Inbound	
Source App: SUNRISE	**Destination App:** VENIS	

Name: SDWIS Data

Ref ID: 61

Description: VDH-ODW uses SQL Server to produce a message containing SDWIS information for DCLS to use in their lab reporting and VDH-DSI uses Rhapsody to encrypt and send the messages.

Messaging Partner: DCLS

Format: Text (Pipe Delimited)	**Method:** HTTPS	
Frequency: Real-Time	**Type:** Outbound	
Source App: SQL Server/Rhapsody	**Destination App:** Sunrise	

Health IT Data Exchange Standards
Category, Cardinality, and Scope (DRAFT)

Category: Electronic Lab Reporting

Cardinality: One to One

Scope: COV

Agency: VDH

Name: TB Lab Findings   **Ref ID:** 59

Description: DCLS uses Rhapsody and their LIMS to produce and send a message containing final lab reports and some clinical information for Tuberculosis for all jurisdictions of Virginia. VDH-DSI uses Rhapsody to decrypt the messages and create files from them for use by VDH DDP-tb.

Messaging Partner: DCLS

Format: Text (Pipe Delimited)		**Method:** HTTPS	
Frequency: Daily		**Type:** Inbound	
Source App: LIMS/Rhapsody		**Destination App:** Rhapsody/TIMS/Other	
Vocab Std: LOINC, OMB, SNOMED, CDC Code Sets		**Other Std:** ISO	
Message Std:		**Version:** N/A	

Stds used: SNOMED, LOINC, ISO, OMB, CDC, other demographic and clinical codesets

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Name: Waterborne Data - DCLS   **Ref ID:** 58

Description: DCLS uses Rhapsody and their LIMS to produce and send a message containing waterborne lab data for all jurisdictions of Virginia and VDH-DSI uses Rhapsody to decrypt the messages and create files from them for consumption by VDH-DEE.

Messaging Partner: DCLS

Format: Text (Pipe Delimited)		**Method:** HTTPS	
Frequency: Weekly		**Type:** Inbound	
Source App: LIMS/Rhapsody		**Destination App:** Rhapsody/?	

Name: Waterborne Hazards Data   **Ref ID:** 81

Description: DEQ sends DCLS data regarding water bacteria. DCLS forward the results to VDH cental office.

Messaging Partner: DCLS

Format: Text (Pipe Delimited)		**Method:** Email	
Frequency: Weekly		**Type:** Inbound	
Source App: none		**Destination App:** https://prprxy0167.vdh.virginia.gov:443/DCLS/WBH	

Category: Electronic Lab Reporting

Cardinality: One to One

Scope: COV

Agency: VDH

Name: WebVision - DCLS **Ref ID:** 52

Description: DCLS uses Rhapsody and their LIMS to produce and send two messages, one containing order status data and the other sample error data, for WebVision test orders for all jurisdictions of Virginia and Rhapsody is used to decrypt the messages and create files from them for consumption by the Data Warehouse.

Messaging Partner: DCLS

Format: Text (Pipe Delimited)		**Method:** HTTPS	
Frequency: Daily		**Type:** Inbound	
Source App: LIMS/Rhapsody		**Destination App:** Rhapsody/Data Warehouse	

Name: WebVision Patient Data **Ref ID:** 54

Description: VDH-OIM uses Oracle to produce a message containing WebVision patient data for DCLS to use in their lab reporting and uses Rhapsody to encrypt and send the messages.

Messaging Partner: DCLS

Format: Text (Pipe Delimited)		**Method:** HTTPS	
Frequency: Daily		**Type:** Outbound	
Source App: Oracle/Rhapsody		**Destination App:** Sunrise	

Name: WebVision Record Count **Ref ID:** 53

Description: VDH-OIM uses Oracle to produce a message containing WebVision record count data for DCLS to use in their lab reporting and uses Rhapsody to encrypt and send the messages.

Messaging Partner: DCLS

Format: Text (Pipe Delimited)		**Method:** HTTPS	
Frequency: Daily		**Type:** Outbound	
Source App: Oracle/Rhapsody		**Destination App:** Sunrise	

Name: WebVisionTest Questions **Ref ID:** 55

Description: VDH-OIM uses Oracle to produce a message containing WebVision test question data for DCLS to use in their lab reporting and uses Rhapsody to encrypt and send the messages.

Messaging Partner: DCLS

Format: Text (Pipe Delimited)		**Method:** HTTPS	
Frequency: Daily		**Type:** Outbound	
Source App: Oracle/Rhapsody		**Destination App:** Sunrise	

Category: Electronic Lab Reporting

Cardinality: One to One

Scope: Non-COV

Agency: DGS DCLS

Name: Bio Terror Agent results reporting	**Ref ID:** 188

Description: Preliminary and final results of BT Agents (e.g., B. Anthracis and Brucella) reported as unsolicited results to CDC.

Messaging Partner: CDC

Format: HL7	**Method:** HTTPS/ebXML
Frequency: Daily	**Type:** Outbound
Source App: SUNRISE	**Destination App:** Laboratory Results Messenger
Vocab Std: FIPS, LOINC, SNOMED, UCUM, CDC Code Sets	**Other Std:**
Message Std: HL7 Message, LRN	**Version:** 2.5.1 with some 2.6 adoptions

Stds used: SNOMED, LOINC, HL7, UCUM, FIPS, CDC-defined codesets, LRN

DCLS plans upgrade to HL7?: N/A

DCLS upgrade note: Version 2.5.1

Health IT Data Exchange Standards
Category, Cardinality, and Scope (DRAFT)

Category: Electronic Lab Reporting

Cardinality: One to One

Scope: Non-COV

Agency: VDH

Name: Animal Rabies results	**Ref ID:** 78

Description: VDH sends CDC total counts stratified by county

Messaging Partner: CDC

Format: Text	**Method:** Email
Frequency: Yearly	**Type:** Outbound
Source App: none	**Destination App:** CDC rabies division

Name: Electronic Lab Reports - LabCorp	**Ref ID:** 48

Description: LabCorp uses Rhapsody and PHINMS and other tools to produce and send a batch file of electronic lab reports for all reportable conditions for all jurisdictions of Virginia and VDH-DSI uses Rhapsody to decrypt the messages and deliver them to NEDSS for consumption.

Messaging Partner: LabCorp

Format: Text (Pipe Delimited)	**Method:** HTTPS
Frequency: Daily	**Type:** Inbound
Source App: LIMS/PHINMS	**Destination App:** Rhapsody/NEDSS/HIV STD database
Vocab Std: LOINC, OMB, SNOMED, CDC Code Sets	**Other Std:** ISO
Message Std: HL7 Message	**Version:** 2.3.1

Stds used: HL7 ORURO1, SNOMED, LOINC, ISO, OMB, CDC, other demographic and clinical codesets

Name: Electronic Lab Reports - Mayo	**Ref ID:** 49

Description: Mayo uses Rhapsody and PHINMS and other tools to produce and send a batch file of electronic lab reports for all reportable conditions for all jurisdictions of Virginia and VDH-DSI uses Rhapsody to decrypt the messages and deliver them to NEDSS for consumption.

Messaging Partner: Mayo

Format: Text (Pipe Delimited)	**Method:** HTTPS
Frequency: Daily	**Type:** Inbound
Source App: LIMS/PHINMS	**Destination App:** Rhapsody/NEDSS/HIV STD database
Vocab Std: LOINC, OMB, SNOMED, CDC Code Sets	**Other Std:** ISO
Message Std: HL7 Message	**Version:** 2.3.1

Stds used: HL7 ORURO1, SNOMED, LOINC, ISO, OMB, CDC, other demographic and clinical codesets

Category: Electronic Lab Reporting

Cardinality: One to One

Scope: Non-COV

Agency: VDH

Name: Electronic Laboratory Results - ARUP   **Ref ID:** 192

Description: VDH EPI/DSI will begin acceptance testing for a message ARUP creates and sends using PHINMS and their LIMS containing lab report information for all reportable diseases for all jurisdictions of Virginia and VDH-DSI will use Rhapsody to decrypt the messages and insert the data int

Messaging Partner: ARUP

Format:	Text (Pipe Delimited)	**Method:**	HTTPS
Frequency:	Daily	**Type:**	Inbound
Source App:	LIMS/PHINMS	**Destination App:**	Rhapsody/NEDSS/HIV STD database
Vocab Std:	LOINC, OMB, SNOMED, CDC Code Sets	**Other Std:**	ISO
Message Std:		**Version:**	N/A

Stds used: SNOMED, LOINC, ISO, OMB, CDC, other demographic and clinical codesets

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Name: Electronic Pathology Reports - LabCorp   **Ref ID:** 66

Description: LabCorp uses Rhapsody and PHINMS and other tools to produce and send a batch file of electronic pathology reports for all jurisdictions of Virginia and VDH uses a mapping tool to prepare the messages for consumption by the cancer registry.

Messaging Partner: LabCorp

Format:	Text (Pipe Delimited)	**Method:**	HTTPS
Frequency:	Daily	**Type:**	Inbound
Source App:	LIMS/Rhapsody/PHINMS	**Destination App:**	Rhapsody/SQL Server/Cancer Registry
Vocab Std:		**Other Std:**	
Message Std:	HL7 Message	**Version:**	2.5.1

Stds used: HL7

Name: Fairfax HIV CTR Transfer   **Ref ID:** 170

Description: Routine HIV CTR data transferred to the Division of Disease Prevention from the Fairfax Department of Health via VDH's secure website.

Messaging Partner: independent health department to VDH DDP

Format:	Excel	**Method:**	HTTPS
Frequency:	Quarterly	**Type:**	Inbound
Source App:	FFX servers	**Destination App:**	HIV CTR Application on STAN

Stds used: PGP encryption

Health IT Data Exchange Standards
Category, Cardinality, and Scope (DRAFT)

Category: Electronic Lab Reporting

Cardinality: One to One

Scope: Non-COV

Agency: VDH

Name: Fairfax IPP Transfer   **Ref ID:** 86

Description: Routine Infertility Prevention Project (IPP) screening data for gonorrhea and chlamydia are transferred to the Division of Disease Prevention from the Fairfax Health Department via a secure (HTTPS) site and combined with all other IPP data for Region III

Messaging Partner: Fairfax Health Department

Format:	Excel	**Method:**	HTTPS
Frequency:	Quarterly	**Type:**	Inbound
Source App:	Fairfax Health Department Lab Data System	**Destination App:**	Seabreeze server file storage

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Name: HIV CTR Transfer   **Ref ID:** 88

Description: Routine HIV testing data are entered into the centralized HIV Counseling, Testing and Referral (CTR) application and submitted to CDC via the CDC Secure Data Network

Messaging Partner: CDC-National Center for HIV/AIDS, Viral Hepatitis, STD, and TB Prevention (NCHHSTP)

Format:	XML	**Method:**	HTTPS
Frequency:	Quarterly	**Type:**	Outbound
Source App:	HIV CTR Application (STAN)	**Destination App:**	CDC (Centers for Disease Control) data server

---

Name: HIV GIS Data Transfer   **Ref ID:** 100

Description: HIV and AIDS diagnoses since 2007 including census tracts at diagnosis are transferred to the CDC via a SAS data set.

Messaging Partner: CDC-National Center for HIV/AIDS, Viral Hepatitis, STD, and TB Prevention (NCHHSTP)

Format:	SAS format	**Method:**	CDC Secure Data Network
Frequency:	Quarterly	**Type:**	Outbound
Source App:	eHARS (evaluation HIV/AIDS Reporting System)	**Destination App:**	CDC (Centers for Disease Control) data server

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Category: Electronic Lab Reporting

Cardinality: One to One

Scope: Non-COV

Agency: VDH

Name: HIV Incidence Lab Transfer	**Ref ID:** 91

Description: HIV Incidence results received from CDC STARHS (Serological testing algorithm for recent HIV seroconversion) lab are entered manually into the VA Incidence and Resistance Surveillance Local Database. SAS code is run to extract eligible/ineligible test samples.The resulting data is encrypted using PGP then mailed to the STARHS lab in NY.

Messaging Partner: CDC STARHS Lab

Format: Excel	**Method:** CD
Frequency: Monthly	**Type:** Bi-directional
Source App: IRLocal application	**Destination App:** CDC STARHS Lab

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Name: HIV Incidence Lab Transfer-Quarter	**Ref ID:** 92

Description: Cumulative HIV Incidence sample data are received on a CD from the CDC STARHS (Serological testing algorithm for recent HIV seroconversion) lab in NY. SAS code is run to extract VA eligible/ineligible test samples.The resulting data are encrypted using PGP then mailed back to the STARHS lab in NY.

Messaging Partner: CDC STARHS Lab

Format: Excel	**Method:** CD
Frequency: Quarterly	**Type:** Bi-directional
Source App: IRLocal application	**Destination App:** CDC STARHS Lab

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Name: HIV Incidence Lab Transfer-Quarter	**Ref ID:** 175

Description: Cumulative HIV Incidence sample data are received on a CD from the CDC STARHS (Serological testing algorithm for recent HIV seroconversion) lab in NY. SAS code is run to extract VA eligible/ineligible test samples.The resulting data are encrypted using PGP then mailed back to the STARHS lab in NY.

Messaging Partner: federal agency (VDH DDP to CDC - STARHS lab)

Format: Excel	**Method:** CD
Frequency: Quarterly	**Type:** Bi-directional
Source App: IRLocal application	**Destination App:** CDC STARHS Lab

Stds used: PGP encryption

Category: Electronic Lab Reporting

Cardinality: One to One

Scope: Non-COV

Agency: VDH

Name: HIV Incidence Mayo Transfer   **Ref ID:** 93

Description: HIV Incidence results received from CDC STARHS (Serological testing algorithm for recent HIV seroconversion) lab are entered manually into the Va Incidence and Resistance Surveillance Local Database (IRLocal). SAS code is run to extract eligible test samples. The resulting data are encrypted using PGP then sent via email to a representative at the Mayo lab.

Messaging Partner: Mayo Laboratory

Format: Excel		**Method:** Email	
Frequency: Monthly		**Type:** Bi-directional	
Source App: IRLocal application		**Destination App:** Mayo Labs	

Name: HIV Incidence Transfer   **Ref ID:** 90

Description: Routine HIV lab data are entered into the centralized Incidence and Viral Resistance Surveillance Database (IVR) and submitted to CDC via the CDC Secure Data Network

Messaging Partner: CDC-National Center for HIV/AIDS, Viral Hepatitis, STD, and TB Prevention (NCHHSTP)

Format: SAS format		**Method:** CDC Secure Data Network	
Frequency: Monthly		**Type:** Outbound	
Source App: IVR application		**Destination App:** CDC (Centers for Disease Control) data server	

Name: LabCorp ELR Download   **Ref ID:** 164

Description: HIV and STD test results for Virginia residents are transmitted from LabCorp to DSI. DSI then upload the data to a DDP SQL server.

Messaging Partner: Commercial laboratory & DSI (LabCorp to DSI to VDH DDP)

Format: HL7		**Method:** HTTPS	
Frequency: Daily		**Type:** Inbound	
Source App: LabCorp, Rhapsody - PHIN MS		**Destination App:** DDP server (secured data repository)	
Vocab Std:		**Other Std:**	
Message Std: HL7 Message		**Version:** 2.3.1	
Stds used: HL7, data stored in SQL			

Category: Electronic Lab Reporting

Cardinality: One to One

Scope: Non-COV

Agency: VDH

Name: Lead Extracts **Ref ID:** 150

Description: Leadtrax submits extracts to CDC

Messaging Partner: CDC

Format: Text	**Method:** FTP
Frequency: Quarterly	**Type:** Outbound
Source App: LeadTrax	**Destination App:** CDC

Name: LeadTrax **Ref ID:** 122

Description: Lead-Safe Virginia Program submits electronic lab data to CDC

Messaging Partner: CDC - EPI

Format: Text	**Method:** HTTP
Frequency: Quarterly	**Type:** Outbound
Source App: LeadTrax	**Destination App:** CDC FTP site

Name: Mayo ELR Download **Ref ID:** 165

Description: HIV and STD test results for Virginia residents are transmitted from Mayo to DSI. DSI then upload the data to a DDP SQL server.

Messaging Partner: Commercial laboratory & DSI (Mayo to DSI to VDH DDP)

Format: HL7	**Method:** HTTPS
Frequency: Daily	**Type:** Inbound
Source App: Mayo, Rhapsody - PHIN MS	**Destination App:** DDP server (secured data repository)
Vocab Std:	**Other Std:**
Message Std: HL7 Message	**Version:** 2.3.1
Stds used: HL7, data stored in SQL	

Category: Immunization

Cardinality: Many to One

Scope: Non-COV

Agency: VDH

Name:	Immunization DE	**Ref ID:**	71

Description: Organization creates a file to include new and updated immunization activity from their billing systems. This is then pulled from a secure webserver (either theirs or VDH) which our team logs into. These files are then moved to the VIIS application server where they are processed through de-duplication and into the Oracle DB. A response file is generated which is then sent back to the organization for review

Messaging Partner: 8 organizations (Sentara, Coventry, Airforce, CHKD, Fairfax County, Anthem, UVA, VA Premier

Format:	Text (Pipe Delimited)	**Method:**	Web
Frequency:	Bi-monthly, Monthly	**Type:**	Inbound
Source App:	Local organization EMR	**Destination App:**	VIIS
Vocab Std:	CVX, FIPS, MVX, NIP	**Other Std:**	
Message Std:	HL7 Message	**Version:**	FlatFile Spec 1.4

Stds used: NIP - National Immunization Program CPT, CVX, MVX codes, MVX - Standardized manufacturer codes, FIPS - Federal Information Processing Standards, HL7 2.3.1, HL7 2.5, Pipe delimited flat file based on WIR file requirements

Health IT Data Exchange Standards
Category, Cardinality, and Scope (DRAFT)

Category: Immunization

Cardinality: One to One

Scope: Non-COV

Agency: VDH

Name: Immunization DE - Carilion Hospital	**Ref ID:** 72

Description: Iincludes new and updated immunization activity from their billing systems. This is then loded to a secure VDH FTP server which they log into. These files are then moved to the VIIS application server where they are processed through de-duplication and into the Oracle DB. A response file is generated which is then sent back to the organization for review

Messaging Partner: Carilion Hospital

Format: HL7	**Method:** FTP
Frequency: Daily	**Type:** Bi-directional
Source App: Local organization EMR	**Destination App:** VIIS
Vocab Std: CVX, FIPS, MVX, NIP	**Other Std:**
Message Std: HL7 Message	**Version:** 2.3.1

Stds used: NIP - National Immunization Program CPT, CVX, MVX codes, MVX - Standardized manufacturer codes, FIPS - Federal Information Processing Standards, HL7 2.3.1, HL7 2.5, Pipe delimited flat file based on WIR file requirements

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Name: Immunization DE - UVA	**Ref ID:** 73

Description: Sentara creates a file to include new and updated immunization activity from their billing systems. This is then uploded to a secure VDH webserver which they log into. These files are then moved to the VIIS application server where the are process through de-duplication and into the Oracle DB. A response file is generated which is then sent back to the organization for review

Messaging Partner: UVA

Format: HL7	**Method:** Web
Frequency: Monthly	**Type:** Inbound
Source App: Local organization EMR	**Destination App:** VIIS
Vocab Std: CVX , FIPS, MVX, NIP	**Other Std:**
Message Std: HL7 Message	**Version:** 2.3.1

Stds used: NIP - National Immunization Program CPT, CVX, MVX codes, MVX - Standardized manufacturer codes, FIPS - Federal Information Processing Standards, HL7 2.3.1, HL7 2.5, Pipe delimited flat file based on WIR file requirements

Category: **Syndromic Surveillance**

Cardinality: **Many to One**

Scope: **Non-COV**

Agency: **VDH**

Name: Syndromic Emergency Department and Urgent Care Data   **Ref ID:** 68

Description: Facilities produce and FTP files containing admit, discharge, and chief complaint data and VDH-DSI uses PERL scripts to decrypt and parse the data into SQL Server for consumption by ESSENCE.

Messaging Partner: Hospitals througout Virginia, currently 30

Format: Text (CSV)		**Method:** SFTPS	
Frequency: Daily		**Type:** Inbound	
Source App: Various		**Destination App:** ESSENCE	

Name: Syndromic School Absenteeism Data   **Ref ID:** 69

Description: Schools produce and FTP files containing absenteeism data and VDH-DSI uses VB scripts to parse the data in to SQL Server for consumption by ESSENCE.

Messaging Partner: Currently 6 Virginia schools leading to all Virginia schools eventually

Format: Text (CSV)		**Method:** SFTPS	
Frequency: Daily		**Type:** Inbound	
Source App: Various		**Destination App:** ESSENCE	

Category: Syndromic Surveillance

Cardinality: One to One

Scope: COV

Agency: DGS DCLS

Name: Influenza surveilance results 2.0		**Ref ID:**	25

Description: Surveillance results mapped from the ELR Results message; eWebIT cannot accept preliminary results, so we are mapping an ORU^R01 message to a proprietary format; this is scheduled to be moved to production by 4Sep09. (In prod as of 08/01/10)

Messaging Partner: VDH

Format: Text (Pipe Delimited)	**Method:**	HTTPS
Frequency: Semi-daily	**Type:**	Outbound
Source App: SUNRISE	**Destination App:**	Flu-EPI
Vocab Std: FIPS, LOINC, SNOMED, UCUM	**Other Std:**	
Message Std: HL7 Message	**Version:**	N/A
Stds used: SNOMED, LOINC, HL7, UCUM, FIPS		

DCLS plans upgrade to HL7?: N/A

DCLS upgrade note: Version 2.5.1 and downgrade to 2.3.1 so VDH can consume message

Name: Outbreak Alerts		**Ref ID:**	15

Description: VDH identifies health outbreaks and we consume their data and tie it to the appropriate samples when they arrive.

Messaging Partner: VDH

Format: Text (Pipe Delimited)	**Method:**	HTTPS
Frequency: Real-Time	**Type:**	Inbound
Source App: Unknown	**Destination App:**	SUNRISE
Stds used: none		

DCLS plans upgrade to HL7?: No

DCLS upgrade note: VDH legacy system can not consume HL7 message.

Name: SWAN		**Ref ID:**	30

Description: Statewide Health Alert Network - used for disease surveillance and outbreak management

Messaging Partner: VDH

Format: Excel	**Method:**	Web
Frequency: Ad-hoc	**Type:**	Outbound
Source App: SUNRISE	**Destination App:**	SWAN
Stds used: None		

DCLS plans upgrade to HL7?: No

DCLS upgrade note: VDH legacy system can not consume HL7 message.

Category: Syndromic Surveillance

Cardinality: One to One

Scope: COV

Agency: VDH

Name: Flu Preliminary Lab Findings - DCLS	**Ref ID:** 50

Description: DCLS uses Rhapsody and their LIMS to produce and send a message containing preliminary lab report information and some clinical information for Flu for all jurisdictions of Virginia and VDH-DSI uses Rhapsody to decrypt the messages and insert the data into SQL Server for use by the Flu Reporting application.

Messaging Partner: DCLS

Format: Text (Pipe Delimited)		**Method:** HTTPS
Frequency: Real-Time		**Type:** Inbound
Source App: LIMS/Rhapsody		**Destination App:** Rhapsody/Flu Reporting
Vocab Std: LOINC, OMB, SNOMED, CDC Code Sets		**Other Std:** ISO
Message Std: HL7 Message		**Version:** N/A

Stds used: HL7 ORURO1, SNOMED, LOINC, ISO, OMB, CDC, other demographic and clinical codesets

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Name: PHLIS Data - DCLS	**Ref ID:** 65

Description: DCLS uses Rhapsody and their LIMS to produce and send messages containing PHLIS data for the VDH-DEE for all jurisdictions of Virginia and VDH-DSI uses Rhapsody to receive the messages, decrypt them, create files from them.

Messaging Partner: DCLS

Format: Text (Pipe Delimited)		**Method:** HTTPS
Frequency: Daily		**Type:** Inbound
Source App: LIMS/Rhapsody		**Destination App:** Rhapsody/Other

---

Category: Syndromic Surveillance

Cardinality: One to One

Scope: Non-COV

Agency: DGS DCLS

Name: Biowatch	**Ref ID:** 32

Description: Used to communicate environmental health monitoring data

Messaging Partner: DHS

Format: Excel	**Method:** Web
Frequency: Ad-hoc	**Type:** Outbound
Source App: SUNRISE	**Destination App:** Biowatch

Stds used: None

DCLS plans upgrade to HL7?: No

DCLS upgrade note: DHS legacy system can not consume HL7 message.

Name: CALICINET	**Ref ID:** 34

Description: Stores DNA sequence analysis data for "fingerprinting" of foodborne viruses

Messaging Partner: CDC

Format: Excel	**Method:** Web
Frequency: Ad-hoc	**Type:** Outbound
Source App: SUNRISE	**Destination App:** CALICINET

Stds used: None

DCLS plans upgrade to HL7?: No

DCLS upgrade note: CDC legacy system can not consume HL7 message

Name: E-Lexnet	**Ref ID:** 28

Description: Early warning systems for tracking multi-state outbreaks from tainted food and/or foodborne illness

Messaging Partner: FDA

Format: Excel	**Method:** Web
Frequency: Ad-hoc	**Type:** Outbound
Source App: SUNRISE	**Destination App:** E-Lexnet

Stds used: None (UPC product codes)

DCLS plans upgrade to HL7?: No

DCLS upgrade note: Will adopt FDA standard reporting format for Elexnet system

Health IT Data Exchange Standards
Category, Cardinality, and Scope (DRAFT)

Category: Syndromic Surveillance

Cardinality: One to One

Scope: Non-COV

Agency: DGS DCLS

Name: HAN	**Ref ID:**	31

Description: Used to communicate emergent health information related to all hazard and outbreak events.

Messaging Partner: CDC

Format: Excel	**Method:** Web
Frequency: Ad-hoc	**Type:** Outbound
Source App: SUNRISE	**Destination App:** HAN

Stds used: None

DCLS plans upgrade to HL7?: No

DCLS upgrade note: VDH legacy system can not consume HL7 message.

Name: LRN-Messenger	**Ref ID:**	29

Description: Lab Reporting Network - Used as an early warning system and to communicate test result data to CDC for biological and chemical agents.

Messaging Partner: CDC

Format: Excel	**Method:** Web
Frequency: Ad-hoc	**Type:** Outbound
Source App: SUNRISE	**Destination App:** LRN-Messenger

Stds used: None

DCLS plans upgrade to HL7?: N/A

DCLS upgrade note: Version 2.5.1

Name: NARMs	**Ref ID:**	33

Description: National Antimicrobial Resistance Monitoring System used for laboratory based surveillance for enteric bacteria

Messaging Partner: CDC

Format: Excel	**Method:** Web
Frequency: Ad-hoc	**Type:** Outbound
Source App: SUNRISE	**Destination App:** NARMs
Vocab Std: USDA-APHIS	**Other Std:**
Message Std:	**Version:** N/A

Stds used: USDA-APHIS

DCLS plans upgrade to HL7?: No

DCLS upgrade note: CDC legacy system can not consume HL7 message

Category: Syndromic Surveillance

Cardinality: One to One

Scope: Non-COV

Agency: DGS DCLS

Name: Pulsenet/Bionumerics   **Ref ID:**   27

Description: Allows for sharing of molecular typing information and DNA patterns for multi-state outbreak tracking of infectious diseases

Messaging Partner: CDC

Format: Excel   **Method:** Web

Frequency: Ad-hoc   **Type:** Outbound

Source App: SUNRISE   **Destination App:** Pulsenet/Bionumerics

Stds used: S. Braenderup H2812, ATCC BAA-664, Pulsenet DNA patterns

DCLS plans upgrade to HL7?:   No

DCLS upgrade note: CDC legacy system can not consume HL7 message

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Category: Syndromic Surveillance

Cardinality: One to One

Scope: Non-COV

Agency: VDH

Name: GISP Transfer | **Ref ID:** 102

Description: Gonoccocal Isolate Surveillance Project data is sent to CDC to provide for surveillance of antimicrobial resistance

Messaging Partner: CDC-National Center for HIV/AIDS, Viral Hepatitis, STD, and TB Prevention (NCHHSTP)

Format: Text (CSV)		**Method:** Email	
Frequency: Quarterly		**Type:** Outbound	
Source App: GISP data system		**Destination App:** CDC (Centers for Disease Control) data server	

Name: HIV/AIDS Morbidity Transfer | **Ref ID:** 84

Description: Routine HIV/AIDS morbidity/surveillance data are entered into the centralized eHARS application and submitted to CDC via the CDC Secure Data Network

Messaging Partner: CDC-National Center for HIV/AIDS, Viral Hepatitis, STD, and TB Prevention (NCHHSTP)

Format: Text		**Method:** HTTPS	
Frequency: Monthly		**Type:** Bi-directional	
Source App: eHARS (evaluation HIV/AIDS Reporting System)		**Destination App:** CDC (Centers for Disease Control) data server	

Name: Infertility Prevention Program (IPP) Screening Transfer | **Ref ID:** 85

Description: Routine Infertility Prevention Project (IPP) screening data for gonorrhea and chlamydia are entered into the centralized STD*MIS application and submitted to Region III via a secure site.

Messaging Partner: CDC Region III Infertility Prevention Project

Format: DBF		**Method:** HTTP	
Frequency: Quarterly		**Type:** Outbound	
Source App: STD*MIS (sexually transmitted disease management information system)		**Destination App:** Region III (Philadelphia, PA) data server	

Health IT Data Exchange Standards
Category, Cardinality, and Scope (DRAFT)

Category: Syndromic Surveillance

Cardinality: One to One

Scope: Non-COV

Agency: VDH

Name: Nationally Notifiable Disease Messaging **Ref ID:** 46

Description: NEDSS creates messages based on user entered, supervisor approved data that are sent to CDC using PHINMS and CDC receives the messages using PHINMS and processes them into SQL Server where they are used by programs at CDC.

Messaging Partner: CDC

Format: XML		**Method:** HTTPS/SOAP	
Frequency: Daily		**Type:** Outbound	
Source App: NEDSS/PHINMS		**Destination App:** SQL Server/MMWR	
Vocab Std: LOINC, OMB, SNOMED		**Other Std:** ISO	
Message Std: HL7 Message		**Version:** 3	

Stds used: HL7, SNOMED, LOINC, ISO, OMB, others

Name: Nationally Notifiable Disease Messaging - Varicella & TB (PHIN Certification Activity) **Ref ID:** 47

Description: NEDSS and Rhapsody create messages based on user entered, supervisor approved data for Varicella and Tuberculosis that are sent to CDC using PHINMS and CDC receives the messages using PHINMS and Rhapsody processes them into SQL Server where they are used by programs at CDC.

Messaging Partner: CDC

Format: Text (Pipe Delimited)		**Method:** HTTPS/SOAP	
Frequency: Daily		**Type:** Outbound	
Source App: NEDSS/Rhapsody/PHINMS		**Destination App:** SQL Server/MMWR	
Vocab Std: LOINC, OMB, SNOMED		**Other Std:** ISO	
Message Std: HL7 Message		**Version:** 2.5.1	

Stds used: HL7, SNOMED, LOINC, ISO, OMB, others

Category: Syndromic Surveillance

Cardinality: One to One

Scope: Non-COV

Agency: VDH

Name: Pathology Results - Bostwick
Ref ID: 193

Description: Bostwick uses PHINMS and their LIMS to produce and send a message containing lab report information for all reportable diseases for all jurisdictions of Virginia and VDH-DSI uses Rhapsody to decrypt the messages and insert the data int

Messaging Partner: Bostwick

Format:	Text (Pipe Delimited)	**Method:**	HTTPS
Frequency:	Daily	**Type:**	Inbound
Source App:	LIMS/PHINMS	**Destination App:**	Rhapsody
Vocab Std:	LOINC, OMB, SNOMED, CDC Code Sets	**Other Std:**	ISO
Message Std:	HL7 Message	**Version:**	N/A

Stds used: HL7 ORURO1, SNOMED, LOINC, ISO, OMB, CDC, other demographic and clinical codesets

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Name: Pathology Results - LabCorp
Ref ID: 194

Description: LabCorp uses PHINMS and their LIMS to produce and send a message containing lab report information for all reportable diseases for all jurisdictions of Virginia and VDH-DSI uses Rhapsody to decrypt the messages and insert the data int

Messaging Partner: LabCorp

Format:	Text (Pipe Delimited)	**Method:**	HTTPS
Frequency:	Daily	**Type:**	Inbound
Source App:	LIMS/PHINMS	**Destination App:**	Rhapsody
Vocab Std:	LOINC, OMB, SNOMED, CDC Code Sets	**Other Std:**	ISO
Message Std:	HL7 Message	**Version:**	N/A

Stds used: HL7 ORURO1, SNOMED, LOINC, ISO, OMB, CDC, other demographic and clinical codesets

Category: Syndromic Surveillance

Cardinality: One to One

Scope: Non-COV

Agency: VDH

Name: Sentara		**Ref ID:**	191

Description: Sentara uses PHINMS and their LIMS to produce and send a message containing syndromic disease information for all jurisdictions of Virginia and VDH-DSI uses Rhapsody to decrypt the messages

Messaging Partner: Sentara

Format: Text (Pipe Delimited)		**Method:** HTTPS	
Frequency: Daily		**Type:** Inbound	
Source App: LIMS/PHINMS		**Destination App:** Rhapsody	
Vocab Std: LOINC, OMB, SNOMED, CDC Code Sets		**Other Std:** ISO	
Message Std: HL7 Message		**Version:** 2.3.1	

Stds used: HL7, SNOMED, LOINC, ISO, OMB, CDC, other demographic and clinical codesets

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Name: Sentara Biosense		**Ref ID:**	67

Description: Sentara uses their EPIC data system and PHINMS to produce and send a batch file containing messages with admit, discharge, and chief complaint data and VDH-DSI uses Rhapsody to receive, decrypt, and create files from the message for consumption by ESSENCE and for further analysis.

Messaging Partner: Sentara

Format: Text (Pipe Delimited)		**Method:** HTTPS	
Frequency: Real-Time		**Type:** Inbound	
Source App: EPIC/PHINMS		**Destination App:** Rhapsody/ESSENCE/Other	
Vocab Std: LOINC, OMB, SNOMED, CDC Code Sets		**Other Std:** ISO	
Message Std: HL7 Message		**Version:** 2.5.1	

Stds used: HL7, SNOMED, LOINC, ISO, OMB, CDC, other demographic and clinical codesets

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Name: STD Morbidity Transfer		**Ref ID:**	83

Description: Routine STD morbidity/surveillance data are entered into the centralized STD*MIS application and submitted to CDC via the CDC Secure Data Network

Messaging Partner: CDC-National Center for HIV/AIDS, Viral Hepatitis, STD, and TB Prevention (NCHHSTP)

Format: Text	**Method:** HTTPS	
Frequency: Weekly	**Type:** Outbound	
Source App: STD*MIS (Sexually Transmitted Disease Management Information System)	**Destination App:** CDC (Centers for Disease Control) data server	

Category: Syndromic Surveillance

Cardinality: One to One

Scope: Non-COV

Agency: VDH

Name: STD Surveillance Network (SSuN) Data Transfer - Clinic	**Ref ID:**	98

Description: Sexually transmitted disease (STD) clinic visits data in two Virgina counties and one independent city: Henrico and Chesterfield counties and Richmond City are entered into a SQL database

Messaging Partner: CDC-National Center for HIV/AIDS, Viral Hepatitis, STD, and TB Prevention (NCHHSTP)

Format: SAS format	**Method:** FTP
Frequency: Quarterly	**Type:** Outbound
Source App: STD Surveillance Network (SSuN) data system	**Destination App:** CDC (Centers for Disease Control) data server

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Name: STD Surveillance Network (SSuN) Data Transfer - County	**Ref ID:**	99

Description: Gonorrhea patient interview data (non-STD clinic diagnosed) in two Virgina counties and one independent city: Henrico and Chesterfield counties and Richmond City are entered into a SQL database

Messaging Partner: CDC-National Center for HIV/AIDS, Viral Hepatitis, STD, and TB Prevention (NCHHSTP)

Format: SAS format	**Method:** FTP
Frequency: Quarterly	**Type:** Outbound
Source App: STD Surveillance Network (SSuN) data system	**Destination App:** CDC (Centers for Disease Control) data server

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Name: Syndromic Drug Data	**Ref ID:**	70

Description: VDH-DSI gets OTC drug data files from a Johns Hopkins FTP site (John Hopkins collects it from drug stores) and VDH-DSI uses VB scripts to parse the data in to SQL Server for consumption by ESSENCE.

Messaging Partner: John Hopkins University

Format: Text (CSV)	**Method:** SFTPS
Frequency: Daily	**Type:** Inbound
Source App: Various	**Destination App:** ESSENCE

Category: Syndromic Surveillance

Cardinality: One to One

Scope: Non-COV

Agency: VDH

Name: Vacman/CDC orders		**Ref ID:** 74

Description: Vaccine oirders are collected in the VACMAN application. The file for current orders is then uploaded through the CDC SDN for processing. Are response file is generated and sent back to DOI to reflect the orders received and processed.

Messaging Partner: CDC-Federal Agency

Format: Text (Pipe Delimited)	**Method:** SDN/FTP
Frequency: Daily	**Type:** Outbound
Source App: Vacman	**Destination App:** Vacman
Vocab Std: CVX, FIPS, MVX, NIP	**Other Std:**
Message Std:	**Version:** N/A

Stds used: NIP - National Immunization Program CPT, CVX, MVX codes, MVX - Standardized manufacturer codes,

Health IT Data Exchange Standards
Category, Cardinality, and Scope (DRAFT)

Category: Other

Cardinality: Many to One

Scope: Non-COV

Agency: DBHDS

Name: CCS **Ref ID:** 154

Description: Internal agency application that process that permits 40 Community Community Services Boards to report defined set of consumer and service data to DBHDS on a monthly basis Custom ado.net application written by the agency and provided to the CSBs.

Messaging Partner: 40 Community Service Boards

Format: XML		**Method:** FTP	
Frequency: Monthly		**Type:** Inbound	
Source App: Local CSB Applications		**Destination App:** CCS3	

Name: Direct Deposit **Ref ID:** 152

Description: Bank direct deposit transactions processed. Based on benefits, deposit credited to FMS application (for patient funds) and to AVATAR to credit patient billing amounts.

Messaging Partner: Banks

Format: Text		**Method:** FTP	
Frequency: Monthly		**Type:** Inbound	
Source App: Bank		**Destination App:** AVATAR. FMS	
Vocab Std:		**Other Std:**	
Message Std: DBHDS Custom		**Version:**	
Stds used: Custom (defined by DBHDS)			

Category: Other

Cardinality: Many to One

Scope: Non-COV

Agency: DGS DCLS

Name: Lab Certification Application (VELAP)	**Ref ID:**	190

Description: Receiving and processing submissions for lab certification

Messaging Partner: Multiple

Format: Text (Pipe Delimited)   **Method:** SFTP

Frequency: Real-Time   **Type:** Inbound

Source App: Access-based application   **Destination App:** Lab Certification App

Stds used: none

DCLS plans upgrade to HL7?: No

DCLS upgrade note: N/A

Name: NELAC - Electronic application process	**Ref ID:**	35

Description: Web based application used by laboratories throughout VA to apply for environmental lab accreditation.

Messaging Partner: potentially 60 Commercial and 800+ non-Commercial labs throughout VA

Format: Text (CSV)   **Method:** SFTP

Frequency: Ad-hoc   **Type:** Inbound

Source App: MS-Access   **Destination App:** Lab Cert

Stds used: NELAC /EPA methods

DCLS plans upgrade to HL7?: No

DCLS upgrade note: Will adopt EPA NELAC standard reporting format.

Category: Other

Cardinality: Many to One

Scope: Non-COV

Agency: VDH

Name: Electronic data submission by hospitals   **Ref ID:** 132

Description: Hopsitals upload trauma data to ems Trauma application on the internet.

Messaging Partner: Currently 14 hospitals

Format: Text (CSV)	**Method:** HTTP
Frequency: Monthly, Quarterly	**Type:** Inbound
Source App: Hospitals	**Destination App:** Trauma Application

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Name: Provider CE test data   **Ref ID:** 133

Description: Instructors and vendors upload data to OEMS training web application

Messaging Partner: Currently 20 Instructors and Vendors

Format: Text	**Method:** HTTP
Frequency: Daily	**Type:** Inbound
Source App: Instructors and Vendors	**Destination App:** OEMS training Application

---

Category: Other

Cardinality: One to Many

Scope: COV

Agency: DBHDS

Name: CIMRS (Under Coonstruction)	**Ref ID:** 155

Description: Critical Incident Reporting Portal. Portal for licensed providers to report critical incidents involving consumers. Providers enter incident, data passed to DSS and/or DBHDS, data posted to local application, disposition data returned to original application and CMS reporting generated. his is a collaborative project among HHS agencies (DMAS, DBHDS and DSS currently) funded by a CMS Grant. Targeted to be operational 1st Quarter 2011.

Messaging Partner: DSS, DMAS

Format: TBD	**Method:** TBD
Frequency: Daily, Real-Time	**Type:** Bi-directional
Source App: CIMRS	**Destination App:** CHRIS, OLIS
Stds used: TBD	

Category: Other

Cardinality: One to Many

Scope: COV

Agency: VDA

Name:	Electronic Delivery of UAI for Nursing Home Screening	**Ref ID:**	195

Description: Agencies such as VDH and DSS perform in home nursing home screenings on potential patients. This process allows the Uniform Assessment Instrument (UAI) and associated documents to be collected in Peerplace Application and delivered electronically to DMAS for processing. Note, this interface is scheduled for production January 2011.

Messaging Partner: VDH, DSS, DMAS

Format:	XML	**Method:**	SFTP
Frequency:	Daily	**Type:**	Bi-directional
Source App:	Peerplace	**Destination App:**	BEA Aqualogic Service Bus
Stds used:	Uniform Assessment Instrument (UAI)		

Category: Other

Cardinality: One to Many

Scope: Non-COV

Agency: VDH

Name: ELECTRONIC billing		**Ref ID:**	127

Description: Send data from webvision to the insurance companies

Messaging Partner: 4 insurance companies [Doral Dental, First Health (Medicaid),Trail Blazers & Highmark (Medic

Format: Text	**Method:** FTP	
Frequency: Ad-hoc	**Type:** Outbound	
Source App: webvision	**Destination App:** insurance companies	

Category: Other

Cardinality: One to One

Scope: COV

Agency: DBHDS

Name:	IDOLS (Under Design)	**Ref ID:**	156

Description: ID Waiver On-Line System. Agency application that manages MEDICAID ID /DD Waiver Program. Needs to interface with DMAS-VAMIS application to exchange Service Authorization information -- send service information/receive pre-authorization number. Proposed 2011.

Messaging Partner: DMAS

Format: TBD		**Method:** TBD	
Frequency: Daily, Real-Time		**Type:** Bi-directional	
Source App: IDOLS		**Destination App:** VAMIS	
Stds used: TBD			

Category: Other

Cardinality: One to One

Scope: COV

Agency: DGS DCLS

Name: SDWIS Applications   **Ref ID:**   21

Description: Lists of facilities and their needed tests for SDWIS testing

Messaging Partner: VDH

Format: Text (Pipe Delimited)   **Method:** HTTPS

Frequency: Ad-hoc, Quarterly   **Type:** Inbound

Source App: Unknown   **Destination App:** ENVLIMS

Vocab Std: SDWIS, UCUM   **Other Std:** EPA Methods

Message Std: **Version:** N/A

Stds used: SDWIS vocabulary, UCOM, EPA Methods

DCLS plans upgrade to HL7?: No

DCLS upgrade note: Using EPA standard reporting format known as SDWIS

Category: Other

Cardinality: One to One

Scope: COV

Agency: VDH

Name: Client Medicaid Information	**Ref ID:** 126

Description: Load data from DMAS into Webvision

Messaging Partner: DMAS

Format: Text	**Method:** FTP
Frequency: Weekly	**Type:** Inbound
Source App: DMAS	**Destination App:** WEBVISION

Name: Debt Set Off Report Submissions to Taxation	**Ref ID:** 124

Description: FISCAL OFFICE USERS to generate a file to submit new claims or to update existing claims (changes,deletes, or reinstates) to TAXATION.

Messaging Partner: VA Taxation

Format: Text	**Method:** Web Services
Frequency: Weekly	**Type:** Bi-directional
Source App: Webvision	**Destination App:**

Name: Department of Health Professions Physician Data File	**Ref ID:** 40

Description: We download the physician practice site data from the DHP public website which is then cleaned and geocoded. The data is then used for the designation of medically underserved areas.

Messaging Partner: VA Dept of Health Professions

Format: Text	**Method:** Web Services
Frequency: Ad-hoc	**Type:** Inbound
Source App: Physician Profile Database	**Destination App:** ArcGIS, SAS, Access, Excel

Stds used: None

Name: DMAS Medicaid Data File	**Ref ID:** 41

Description: Medicaid Data is used to locate enrolled providers, their practice sites and the number of enrollees served.

Messaging Partner: DMAS

Format: Excel	**Method:** CD
Frequency: Ad-hoc	**Type:** Inbound
Source App: Virginia Medicaid system	**Destination App:** ArcGIS, SAS, Access, Excel

Stds used: None

Health IT Data Exchange Standards
Category, Cardinality, and Scope (DRAFT)

Category: Other

Cardinality: One to One

Scope: COV

Agency: VDH

Name: DRS Brain Injury	**Ref ID:** 104

Description: As a result of Legislation the DRS Brain Injury Registry was eliminated and VDH provides trauma registry data to DRS.

Messaging Partner: DRS

Format: Text (CSV)	**Method:** CD
Frequency: Quarterly	**Type:** Outbound
Source App: Virginia Statewide Trauma Registry	**Destination App:** MS Access

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Name: Health Professionals Database	**Ref ID:** 106

Description: EP&R and the Commissioner use the emergency contact information for health professionals to inform them about public health threats

Messaging Partner: VHP

Format: Text	**Method:** SFTP
Frequency: monthly	**Type:** Inbound
Source App: Department of Health Professions database	**Destination App:** Health Professionals Database at VDH and VVHS

Name: Health Professionals License information	**Ref ID:** 128

Description: EP & R uses this data to send any health emergency communications.

Messaging Partner: Virginia Department of Health Professions (DHP)

Format: Text (CSV)	**Method:** FTP
Frequency: Monthly	**Type:** Inbound
Source App: DHP	**Destination App:** VVHS

Name: Medicaid data extract for HIV Unmet Need Assessment	**Ref ID:** 103

Description: Medicaid Data provided by Department of Medical Assistance Services related to patients with known HIV diagnoses and care services received within a defined 12 month period. Data is used to determine unmet need calculations as required by the HRSA federal grant that provides funding for HIV care services.

Messaging Partner: DMAS

Format: Text (CSV)	**Method:** Email
Frequency: Yearly	**Type:** Inbound
Source App: DMAS application	**Destination App:** Division of Disease Prevention server (secured data repository)

Category: Other

Cardinality: One to One

Scope: COV

Agency: VDH

Name: Newborn screenings File	**Ref ID:** 151

Description: DCLS submits newborn screening information to VISITS

Messaging Partner: DCLS

Format: Text (Pipe Delimited)	**Method:** Web
Frequency: Ad-hoc	**Type:** Inbound
Source App: STARLIMS software owned by DCLS	**Destination App:** VISITS

Name: VEC Comprehensive Virginia Business File	**Ref ID:** 43

Description: The VEC Business File contains geospatially referenced business data that provides EINs, business size, and financial information for every business in Virginia

Messaging Partner: VEC

Format: Text	**Method:** CD
Frequency: Ad-hoc	**Type:** Inbound
Source App: Comprehensive Virginia Business File	**Destination App:** ArcGIS, SAS, Access, Excel

Stds used: None

Name: VGIN orthophotography	**Ref ID:** 44

Description: Digital orthoimagery files assist in accurate geocoding and for providing terrain background for mapping projects

Messaging Partner: VGIN

Format: Text	**Method:** Web Services
Frequency: Ad-hoc	**Type:** Inbound
Source App: Orthophotography	**Destination App:** ArcGIS, SAS, Access, Excel

Stds used: None

Name: VGIN Road Center Line (RCL) File	**Ref ID:** 45

Description: Road Center Line files contain every road segment with road class information for VA. They are use to estimate drive time and distance for health care services. RCL are also used in geocoding.

Messaging Partner: VGIN

Format: GIS Polygons	**Method:** CD
Frequency: Ad-hoc	**Type:** Inbound
Source App: Road Center Line File	**Destination App:** ArcGIS, SAS, Access, Excel

Stds used: None

Category: Other

Cardinality: One to One

Scope: Non-COV

Agency: DBHDS

Name: Provider Credentialing

Ref ID: 161

Description: Part C - Provider Credentialing. Application manages certification process for Part C Medicaid providers. VCU /Partnership for People with Disabilities is contracted to provide specialized training for provides and, when training is completed, provider record is sent to DBHDS (daily file of transactions)

Messaging Partner: VCU

Format: XML		**Method:** FTP	
Frequency: Daily		**Type:** Inbound	
Source App: VCU Application		**Destination App:** Provider Credentialing	
Vocab Std:		**Other Std:**	
Message Std: DBHDS/VCU Custom		**Version:**	
Stds used: Custom			

Health IT Data Exchange Standards
Category, Cardinality, and Scope (DRAFT)

Category: Other

Cardinality: One to One

Scope: Non-COV

Agency: VDH

Name:	Carespark (RHIO)	**Ref ID:**	76

Description: This is a DE with the Carespark RHIO to share data about patients receiving care between TN and VA. VA creates a file which is sent to a secure FTP server at Carespark on new and updated clients residing in VA. Carespark 'matches' these clients with clients in TN. Data is sent to TN to update their patients receiving service in VA. TN also uploads a file of their new and updated clients to Carespark witch are 'matched' to VA residents, and sends this info to VA to update records of VA clients receiving service in TN. This file is loaded through the DE module and a response file is generated for their review.

Messaging Partner: Carespark

Format: HL7		**Method:** FTP	
Frequency: Bi-weekly		**Type:** Bi-directional	
Source App: VIIS		**Destination App:** Carespark	
Vocab Std: CVX, FIPS, MVX, NIP		**Other Std:**	
Message Std: HL7 Message		**Version:** 2.3.1	

Stds used: NIP - National Immunization Program CPT, CVX, MVX codes, MVX - Standardized manufacturer codes, FIPS - Federal Information Processing Standards, HL7 2.3.1, HL7 2.5, Pipe delimited flat file based on WIR file requirements

Name:	Census Data	**Ref ID:**	38

Description: Decennial and intercensus data is routinely downloaded from http://factfinder.census.gov to support the necessary demographic analysis for epidemiological research.

Messaging Partner: US Census Bureau

Format: Text		**Method:** Web Services	
Frequency: Ad-hoc		**Type:** Inbound	
Source App: Census Summary Files		**Destination App:** ArcGIS, SAS, Access, Excel	

Stds used: None

Name:	CMS NPI Files	**Ref ID:**	39

Description: Publicly downloadable database of all health care providers enrolled in CMS programs. These data provide a crosswalk between various provider databases and practice site specific specialty information that is not obtainable from other sources.

Messaging Partner: US Department of Health & Human Services Centers for Medicare & Medicaid

Format: Text		**Method:** Web Services	
Frequency: Ad-hoc		**Type:** Inbound	
Source App: NPPES		**Destination App:** ArcGIS, SAS, Access, Excel	

Stds used: None

Health IT Data Exchange Standards
Category, Cardinality, and Scope (DRAFT)

Category: Other

Cardinality: One to One

Scope: Non-COV

Agency: VDH

Name: Crash Outcome Date Evaluation System **Ref ID:** 105

Description: Trauma Registry and Prehospital Patient Care Reporting data are provided to VHI under contract with DMV for CODES project

Messaging Partner: Virginia Health Information (VHI)

Format: Text (CSV) **Method:** Unknown

Frequency: Yearly **Type:** Outbound

Source App: Virginia Statewide Trauma Registry Prehospital Patient Care Reporting Program **Destination App:** Probablistic linkage software provided by Federal CODES Program

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Name: HUD Housing Files **Ref ID:** 42

Description: HUD's geospatially referenced files are used to locate HUD multifamily apartments and other housing units as well as section 8 housing. Basic size and management data is included in the file.

Messaging Partner: US Department of Housing and Urban Development

Format: Text **Method:** Web Services

Frequency: Ad-hoc **Type:** Inbound

Source App: Hud User Data Sets **Destination App:** ArcGIS, SAS, Access, Excel

Stds used: None

Name: Medicaid Procedure Prices Batch Update **Ref ID:** 125

Description: LOAD MEDICAID EXCEL files from DMAS into WebVISION.

Messaging Partner: VDH local HD - Webvision

Format: Text (CSV) **Method:** Web Services

Frequency: Ad-hoc **Type:** Outbound

Source App: DMAS **Destination App:** Webvision

Category: Other

Cardinality: One to One

Scope: Non-COV

Agency: VDH

| **Name:** | Prevention Evaluation Management System (PEMS) Transfer | **Ref ID:** | 89 |

Description: Funded HIV prevention activities conducted by community organizations are entered into the web-based Prevention Evaluation Management System (PEMS) that is housed at CDC as part of a centralized PEMS application. Data transfers from Virginia's application are still required by program staff in order to officially transfer data to the CDC.

Messaging Partner: CDC-National Center for HIV/AIDS, Viral Hepatitis, STD, and TB Prevention (NCHHSTP)

Format: Unknown	**Method:** Web Services
Frequency: Quarterly	**Type:** Outbound
Source App: Virginia's C-PEMS application located at CDC in Atlanta	**Destination App:** CDC Centralized PEMS (C-PEMS) Servers

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| **Name:** | RIDR Data Transfer | **Ref ID:** | 184 |

Description: CDC sends DDP a Routine Interstate Duplicate Review (RIDR) file that has all potential interstate duplicate cases. Data from the RIDR file is imported into eHARS electronically and used for follow-up for potential duplicates with other states and to update case information.

Messaging Partner: federal agency (CDC - NCHHSTP to VDH DDP)

Format: Excel	**Method:** CDC Secure Data Network
Frequency: Bi-yearly	**Type:** Inbound
Source App: CDC application	**Destination App:** DDP server (secured data repository)

Stds used: Password protected

| **Name:** | VACRS Data Transfer | **Ref ID:** | 185 |

Description: VCU Survey Evaluation and Research Lab provides data via a hand-delivered CD to HIV Care Services who then provides to the HIISS to complete the unmet need calculation.

Messaging Partner: VCU to VDH DDP

Format: SAS format	**Method:** CD
Frequency: Ad-hoc, Yearly	**Type:** Inbound
Source App: VACRS application	**Destination App:** DDP server (secured data repository)

Stds used: PGP encryption

Category: Unknown

Cardinality: One to One

Scope: COV

Agency: DBHDS

Name: AVATAR-GE CENTRICIRY   **Ref ID:**   153

Description: (In test) HL7 vendor interface to move AVATAR ADT transactions to new GE Centricity Pharnmacy application. Both applications are 3rd party vendor applications used by DBHDS

Messaging Partner: Internal DBHDS

Format: XML		**Method:** Web Services	
Frequency: Real-Time		**Type:** Outbound	
Source App: AVATAR		**Destination App:** GE Centricity	
Vocab Std:		**Other Std:**	
Message Std: HL7 Message		**Version:**	
Stds used: HL7			

Health IT Data Exchange Standards
Category, Cardinality, and Scope (DRAFT)

Category: Unknown

Cardinality: One to One

Scope: Non-COV

Agency: VDH

Name: CRA - CDC   **Ref ID:**   75

Description: VIIS creates a file of HINI activities in an XML format, which is then uploaded through the CDC SDN. CDC Processes this fie into the CRA system.

Messaging Partner: CDC-Federal Agency

Format: XML		**Method:** SDN/FTP	
Frequency: Weekly		**Type:** Outbound	
Source App: VIIS		**Destination App:** CRA	
Vocab Std: CVX, FIPS, MVX, NIP		**Other Std:**	
Message Std: HL7 Message		**Version:** 3	

Stds used: NIP - National Immunization Program CPT, CVX, MVX codes, MVX - Standardized manufacturer codes, FIPS - Federal Information Processing Standards, HL7 2.3.1, HL7 2.5, Pipe delimited flat file based on WIR file requirements

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Name: Fetal NCHS   **Ref ID:**   141

Description: Create file on VITA Mainframe

Messaging Partner: CDC - National Center for Health Statistics

Format: Text		**Method:** FTP	
Frequency: Bi-yearly		**Type:** Outbound	
Source App: Mainframe HS Fetal system		**Destination App:** NCHS	

Name: MMP Data Transfer   **Ref ID:**   180

Description: Medical Monitoring Project (MMP) activities conducted by internal staff are entered into the web-based Data Coordinating Center (DCC) data portal that is housed at Macro International as part of a centralized DCC application. Data transfers from DCC data portal application are still required by program staff in order to offically transfer data to the DCC who will then transfer the data to the CDC.

Messaging Partner: federal agency (VDH DDP to CDC - NCHHSTP)

Format: Excel, SAS format, Text		**Method:** HTTPS	
Frequency: Monthly		**Type:** Bi-directional	
Source App: MRA (Medical Record Abstraction) Application and DCC (Data Coordinating Center) data portal		**Destination App:** DCC (Data Coordinating Center) data portal and CDC data server	

Stds used: PGP encryption

Category: Unknown

Cardinality: One to One

Scope: Non-COV

Agency: VDH

Name: MMP Patient List Data Transfer   **Ref ID:**   181

Description: A list of patients eligible to participate in MMP program is created by internal staff in Excel. The file is encrypted using PGP and then gets transferred to Macro International via the Data Coordinating Center (DCC). Macro International transfers the data to CDC. CDC then transfers the list of selected patients to Macro International and makes the data available for DDP to download via the DCC.

Messaging Partner: federal agency (CDC to VDH DDP to Macro International)

Format: Excel   **Method:** CDC Secure Data Network, HTTPS

Frequency: Yearly   **Type:** Bi-directional

Source App: Excel file created by VDH DDP   **Destination App:** DDP server (secured data repository) & DCC (Data Coordinating Center)

Stds used: PGP encryption