

## Attachment 1 Data Sharing Schedule

(Revision as of 12/2013)

*The Data Sharing Schedule is an Attachment referenced in the Hawai'i HIE Data Sharing Agreement. Parameters in this Data Sharing Schedule have been accepted by the Hawai'i HIE domain committees as the appropriate data set to be exchanged by participants in the Hawai'i HIE user community, consistent with the use of "Minimum Necessary" protected health information concept, as defined in HIPAA, and are subject to modification over time by the domain committees to address changing business and technical requirements. While not all participants have the capability to capture and share all data elements contained in this Schedule, it is understood that all participants will contribute to the best of their ability. The Hawai'i HIE community agreed that their organizations will work to expand their capabilities in order to maximize the data elements they capture and share with other participants through Hawai'i HIE.*

Keys:

Highlight= Data supplied by Labs through HL7 v2.x interface to Hawai'i HIE.

Data Sharing Affiliate(s): <https://hawaiihie.medicity.net/#SearchTab>

### 1> Demographic Data:

- a) Unique patient identifier (as assigned by Hawai'i HIE)
- b) Opt Out Flag
- c) Opt out description
- d) Last name, first name, middle Initial
- e) Patient Name Suffix
- f) Alias
- g) DOB
- h) Social Security Number
- i) Hawai'i State Driver License or ID #
- j) Account (Register) #
- k) Medical Record #/ Record Type
- l) Gender
- m) Race
- n) Ethnicity ←(MU2)
- o) Religion
- p) Marital Status
- q) Preferred Language ←(MU2)

- r) Zip Code of Residence
- s) Mailing Address 1-
- t) Mailing Address - City
- u) Mailing Address - State
- v) Mailing Address - Zip
- w) Patient Phone #
- x) Primary Care Physician/National Provider Identifier (NPI)/ DEA #
  - i. Specialty No. 1
  - ii. Specialty No. 2
  - iii. Specialty No. 3
- y) Death Date and Time

1> Emergency Information

- a) Emergency Contact
  - i. Name
  - ii. Relationship
  - iii. Phone Number
  - iv. Address
- b) Resuscitation Status:
  - a) Advance Directives:
  - b) POLST (Physician Orders for Life Sustaining Treatment)

2> Payer Data

- a) Medicare Provider #
- b) Primary Payer Name
  - i. Plan/Group
  - ii. Subscriber ID
- c) Secondary payer Name
  - i. Plan/Group
  - ii. Subscriber ID
- d) Tertiary payer Name
  - i. Plan/Group
  - ii. Subscriber ID

\*\*\* Unclear if possible to separate out active from historical medical problems. Ideally would have current problem list separate for easy access since the "current and resolved" list could be very lengthy.

3> Current Problems

- a) Condition

- i. Date of Diagnosis
  - ii. Provider on Record
  - iii. Treatment
- b) Substance Use\*
- a) Smoking
  - b) ETOH
  - c) Other Substances

\*Does not include substance abuse treatment records i.e., restricted information

#### 4> Medical History

- a) ICD-9 Code/Description:
  - i. Date of Diagnosis
  - ii. Date of Resolution
  - iii. Provider on Record
- b) Immunization History
  - i. Immunization
    - i. Date Received

#### 5> Surgical History

- a) Procedure:
  - i. Date of Procedure:
  - ii. Surgeon
  - iii. Diagnosis

#### 6> Family History

- a) Significant Family History: Not yet supported

#### 7> Medications

- a) Medication
  - i. Strength/Volume
  - ii. Dosage
  - iii. Route
  - iv. Prescriber
  - v. Start Date
  - vi. End Date
  - vii. Condition being treated
- b) Over-The-Counter Medications
- c) Supplements/Herbs

8> Allergies, Adverse Reactions, Alerts

- a) Substance
  - i. Reaction
  - ii. Severity
  - iii. Date of ID

9> Vitals Signs

- a) Height/date-time
- b) Weight/date-time
- c) BMI/date-time
- d) BP Systolic/date-time
- e) BP Diastolic/date-time
- f) Temp/date-time
- g) Pulse rate/date-time
- h) Pulse rhythm/date-time
- i) Resp rate/date-time

10> Labs

Anti-Streptolysin O  
BNP- Brain Natriuretic Peptide  
Blood Urea Nitrogen (BUN)  
CEA- Carcinoembryonic Antigen  
Chlamydia trachomatis PCR  
Chlamydia PCR  
CK- Creatinine Kinase  
Creatinine Serum  
Creatinine Clearance (24 hour urine)  
CRP- C- Reactive Protein  
Digoxin  
Lactate  
Lactic Acid  
Lipid Profile  
Total Cholesterol  
ESR- Erythrocyte Sedimentation Rate  
Fasting or Random Glucose  
GFR calc., if non-African American  
GFR calc, if African Am.  
Glucose 1hr/ 50 gram  
Glucose Postpartum Fasting  
Glucose Tolerance Test (Prenatal)  
Glucose Tolerance Test (Postpartum)  
Group A Strep Culture  
HDL Cholesterol

INR  
Hematocrit  
Hemoglobin  
Hemoglobin A1C  
HbsAb (surfact antibody)  
LDL Cholesterol  
LDL-Direct  
Microalbumin Urine  
MRSA screen  
Pap Smear  
Phosphate (Serum)  
Potassium (Serum)  
PSA- Prostate Specific Antigen  
Rapid Dir Grp-A strep screen  
Specimen  
Streptozyme  
Throat culture  
Transferase Alanine (ALT)/SGPT  
Transferase Aspartate (AST)/SGOT  
Triglyceride  
Troponin  
Urine Protein Dipstick  
Varicella-Zoster Ab IgG

### 11> Microbiology

#### 1) Culture/Screen

- a) Date
- b) Site/Source – (blood, urine, sputum, stool, CSF, wound, throat)
- c) Method of Collection
- d) Prelim Growth
- e) Final Growth
- f) Sensitivities

### 12> Pathology

#### 1) Specimen

- a) Date
- b) Diagnosis
- c) Stage, Grade
- d) Markers/ Mutations- KRAS, HER-2/NEU, ER,PR

### 13> Imaging Studies and Reports

#### a) EKG

- a. Date/time
- b. Findings
- c. Ordering Provider

- d. Location
- b) Chest X-Ray
  - a. Date/time
  - b. Findings
  - c. Ordering Provider
  - d. Location

14> Patient Encounters Other than admissions

- a) Date
  - a) Location
  - b) Diagnosis
  - c) Provider

15> Admissions and Discharges

- a) Date of admission/hour (PV1-44)
  - i. Admission Diagnosis (PV2-3)
  - ii. Location of Admission- Hospital (MSH:4)
  - iii. Source of Admission- Specific Facility (PV1-14)
  - iv. Admitting Attending (PV1-17)
  - v. Treating Attending (PV1-7)
  - vi. Consulting Attending (PV1-9)
  - vii. Admitting Service (PV1-10)
  - viii. Date of Discharge/hour (PV1-45)
  - ix. Discharge Diagnosis ICD-9/ICD-10
  - x. Disposition (PV1-36)

Total Charges

- a) Hospital based physician charges
- b) Facility charges

Child

- a) Newborn Mother's Account #
- b) Birth Weight

Coding

- a) Principal Procedure Date/other procedure date 1-9/other procedure date 10-19
- b) Principal Diagnosis codes ICD-9/ICD-10
- c) POA Principal Diagnosis Code
- d) POA Other Diagnosis 1-9
- e) POA Other Diagnosis 10-19

- f) POA E-Code
- g) HCPCS Code 1-20 w/modifiers
- h) E-Code (External cause of injury, poisoning, or adverse effect)

Principal Procedure

- a) Other procedures 1-9/10-19

Principal Surgeon

- a) Other Surgeon 1-9/10-19

**Clinical and Laboratory findings associated with the following conditions for Public Health Reporting**

Amebiasis  
Amnesic shellfish poisoning  
Anisakiasis  
Anthrax  
Botulism, foodborne  
Botulism, infant  
Botulism, other (unspecified)  
Campylobacteriosis  
Cholera  
Ciguatera fish poisoning  
Clostridium infection/toxin poisoning  
Cryptococcosis  
Cryptosporidiosis  
Cyclosporiasis  
Diarrheal disease, not otherwise specified  
Diphyllobothrium latum  
E. coli infection, shiga toxin-producing  
Enterohem. E.coli O157:H7  
Enterohem. E.coli, shigatox+, ?serogrp  
Enterohem. E.coli, shigatox+, non-O157  
Enterovirus infections  
Food poisoning  
Foodborne disease  
Giardiasis  
Listeriosis  
Noroviruses  
Paralytic shellfish poisoning  
Parasitic GI illness, unspecified  
Rotavirus  
Salmonellosis  
Scombroid fish poisoning  
Shigellosis  
Staphylococcal enterotoxin

Trichinosis (Trichinellosis)  
 Typhoid carrier  
 Typhoid fever (Salmonella typhi)  
 Vibrio infection, other  
 Vibrio parahaemolyticus  
 Vibrio vulnificus infection  
 Vibriosis, non-cholera  
 Waterborne disease  
 Yersiniosis  
 Bacterial meningitis, other  
 Birth defects and congenital anomalies  
 Botulism, other (non-infant/non-foodborne)  
 Coccidioidomycosis  
 Creutzfeldt Jakob Disease (CJD) and vCJD  
 Cytomegalovirus infection  
 Disease caused by agent used as weapon  
 Fifth Disease  
 Hansen disease (Leprosy)  
 Hemolytic uremic syndrome  
 Histoplasmosis  
 HTLV-I infection  
 HTLV-II infection  
 Kawasaki disease  
 Legionellosis  
 Meningitis, aseptic  
 Norovirus-like illness  
 Parasitic infection  
 Reye syndrome  
 Rheumatic fever  
 SARS-CoV disease  
 Scarlet fever  
 Staph aureus, methicillin resistant (MRSA)  
 Staph aureus, vancomycin intermediate sus (VISA)  
 Staph aureus, vancomycin resistant (VRSA)  
 Streptococcal disease, invasive, other  
 Streptococcus, Group A, invasive  
 Streptococcus, Group B, invasive  
 Toxic-shock syndrome, staphylococcal  
 Toxic-shock syndrome, streptococcal  
 Trachoma  
 Vancomycin-Resistant Enterococcus (VRE)  
 Encephalitis, other  
 Hepatitis A, acute  
 Hepatitis B, acute  
 Hepatitis B, chronic



Hepatitis B, perinatal  
Hepatitis C, acute  
Hepatitis C, chronic  
Hepatitis Delta, co- or super-infection  
Hepatitis E, acute  
Hepatitis, other acute  
AIDS  
HIV Infection, adult  
HIV Infection, pediatric  
Flu activity code (Influenza)  
Influenza  
Influenza A  
Influenza B  
Influenza novel H1N1  
Influenza Outbreak  
Influenza, novel A virus infection  
Influenza-associated mortality (less than age 18)  
Arsenic  
Asbestosis  
Cadmium, elevated levels  
Carbon monoxide, elevated levels  
Chemical pneumonitis  
Lead, elevated levels  
Mercury, elevated levels  
Mesothelioma  
Methemoglobin  
Pesticide poisoning  
Pneumoconiosis  
Pneumoconiosis, coal workers  
Ricin poisoning  
Silicosis  
Toxic effects of chemicals not specified elsewhere  
Bacterial vaginosis  
Candidiasis  
Chancroid  
Chlamydia trachomatis infection  
Condyloma acuminatum  
Genital warts  
Gonorrhea  
Granuloma inguinale (GI)  
Herpes  
Human papiloma virus infection (HPV)  
Lymphogranuloma venereum (LGV)  
Mucopurulent cervicitis (MPC)  
Nongonococcal urethritis (NGU)

Ophthalmia neonatorum  
Pelvic inflammatory dis.,? etiology  
Syphilis, congenital  
Syphilis, early latent  
Syphilis, late latent  
Syphilis, late, not neurosyphilis  
Syphilis, neurological  
Syphilis, primary  
Syphilis, secondary  
Syphilis, unknown latent  
Syphilitic stillbirth  
Trichomonas vaginalis infection  
Mycobacteria, atypical  
Tuberculosis  
Tuberculosis infection in children  
Diphtheria  
Haemophilus influenzae infection  
Measles (Rubeola)  
Meningococcal disease (Neisseria meningitidis)  
Mumps  
Pertussis  
Poliomyelitis, paralytic  
Poliovirus infection nonparalytic  
Rubella  
Rubella, Congenital Syndrome (CRS)  
Smallpox  
Streptococcus pneumoniae infection  
Tetanus  
Vaccinia adverse event following vaccination  
Vaccinia disease  
Varicella (Chickenpox)  
African Tick Bite Fever  
Anaplasmosis  
Angiostongyliasis  
Anthrax  
Babesiosis  
Blastomycosis  
Brucellosis  
Cat scratch fever (Bartonellosis)  
Chagas disease  
Chikungunya  
Colorado tick fever  
Denge Shock Syndrome  
Dengue fever  
Dengue hemorrhagic fever

Ehrlichia chaffeensis infection  
Ehrlichia ewingii infection  
Ehrlichiosis, human granulocytic ( HGE )  
Ehrlichiosis, human monocytic (HME)  
Ehrlichiosis, human, other or unspec. agent  
Ehrlichiosis/Anaplasmosis, undetermined, infection  
Encephalitis, CA serogroup virus, neuroinvasive  
Encephalitis, CA serogrp virus, non-neuroinvasive  
Encephalitis, Cache Valley, neuroinvasive  
Encephalitis, Cache Valley, non-neuroinvasive  
Encephalitis, Eastern equine (EEE), neuroinvasive  
Encephalitis, Estrn equine(EEE), non-neuroinvasive  
Encephalitis, Japanese encephalitis virus disease  
Encephalitis, Powassan, neuroinvasive  
Encephalitis, Powassan, non-neuroinvasive  
Encephalitis, St. Louis, neuroinvasive  
Encephalitis, St. Louis, non-neuroinvasive  
Encephalitis, Vnzla equine(VEE), neuroinvasive  
Encephalitis, Vnzla equine(VEE), non-neuroinvasive  
Encephalitis, Western equine (WEE), neuroinvasive  
Encephalitis, Wstrn equine(WEE), non-neuroinvasive  
Filariasis  
Glanders  
Hantavirus infection  
Hantavirus pulmonary syndrome  
Leishmaniasis  
Leptospirosis  
Lyme disease  
Malaria  
Meliodosis  
Nipah virus infection  
Orthopox  
Plague  
Psittacosis (Ornithosis)  
Q fever  
Q fever, acute  
Q fever, chronic  
Rabies  
Rabies, animal  
Relapsing fever, tick or louse borne  
Spotted Fever Rickettsiosis (including RMSF)  
Taeniasis  
Toxoplasmosis  
Tularemia  
Typhus fever-fleaborne, murine

Typhus fever-louseborne, R. prowazekii  
 Vesicular stomatitis  
 Viral hemorrhagic fever  
 West Nile infection, neuroinvasive  
 West Nile infection, non-neuroinvasive  
 Yellow fever

**VIROLOGY**

Hepatitis B Surface Antigen  
 Hepatitis B Surface Antibody  
 Hepatitis B Core Antibody  
 Hepatitis A IgM  
 Varicella IgG (EIA)  
 Measles IgG (EIA)  
 Measles IgM (EIA)  
 Mumps IgG (EIA)  
 Herpes IgG  
 Cytomegalovirus IgG (EIA)  
 West Nile IgG (EIA)  
 West Nile IgM (EIA)  
 Herpes Shell Vial Testing  
 Herpes DFA slide testing  
 Norovirus PCR  
 Toxoplasmosis  
 VDRL Syphilis Screen  
 Rubella IgG (EIA)  
 Rubella IgM (EIA)  
 Rabies Panel  
 RCC – Rabies Cell Culture  
 Prenatal Profile  
 Viral Isolation Fluid- Non Influenza  
 Viral Isolation Swab- Non Influenza  
 Influenza PCR

**BACTERIOLOGY**

Salmonella grouping and typing  
 Shigella  
 Campylobacter  
 E. Coli  
 Miscellaneous Enteric Pathogens  
 VIB – Vibrio  
 Miscellaneous Bacteria Identification  
 Pinworm  
 Ova and Parasites

Neisseria meningitidis  
H.Pylori

**MYCOBACTERIOLOGY**

Tuberculosis (raw specimen)  
Tuberculosis (culture isolate)

**MOLECULAR**

Chlamydia and Gonorrhoea

**ENVIRONMENTAL**

Water Bacteriology  
Fluoride  
Fluoride (Public Water System)  
Fluoride (Supplement Program)

**NEWBORN SCREENING**

Division of Laboratory Services (DLS) screens infant blood spot specimens for over 40 different disorders.

Data Formats:

LOINC

HL7

Medications List

CPT

ICD 9

ICD10

**TUMOR/CANCER REGISTRY REPORTING** ← (MU2)

**PUBLIC HEALTH REGISTRIES REPORTING** ← (MU2)

Service Levels for Delivery: to be negotiated with data contributor