

DRAFT UT-NEDSS Roadmap Details

Last Updated: 28-JAN-2008

Fundamentals

- NEDSS Compatible
- Help System
- System Administration Functionality
- Data
 1. Integrated Data Repository
 2. Data Dictionary
 3. Data Exchange Standards
 - a) Use as appropriate (e.g., PHIN MS)
- Security
 1. Role, jurisdiction, and disease based rights management
 2. PHIN Compliance
 3. HIPPA (Security but not Privacy)
- Geocoding
- Smart Forms
- Flex Forms (configurable form fields, edit form prose)
 1. Universal need in Public Health

Release 1 - Confidential Morbidity Report (CMR)

- Create, View, Update, Delete, Search CMR data
- Basic CMR Reporting
- Duplicate prevention
- CMR Data Export
- CMR Assignment and Status Tracking

Release 2 - Case Investigation Forms

- Create, View, Update, Delete, Search disease specific forms

- Case Investigation Data Export
- There are 78 Reportable diseases, some categories of diseases are very similar (e.g., Enteric has approximately 10 diseases that only differ in name)
- Flex Forms (add or edit form template, add a field, change wording, add a disease)

Release 3 - Export Data / Systems Integration

- IBIS
 - ① <http://ibis.health.utah.gov/>
- As appropriate make automatic (integrated)

Release 4 - Report to CDC

- Transmit de-identified case report data weekly to CDC
- Reconcile at end of year

Release 5 - De-duplication

- Merge, Purge, and duplicate check People and CMR
- Enhancements to duplicate prevention

Release 6 - Longitudinal Data

- View a person over time with a disease
- Revisit Registries
 - ① Hepatitis B and C registries exist in NETSS
 - ① Determine best approach given new system and available technology

Release 7 Import minimum NETSS Data

- Basic demographic and disease information for each case
- Data enables historical comparison

Note: UDOH can totally retire NETSS after Release 7.

Release 8 - Case Investigation

- Ensure that the right info is captured
- Case meets CDC confirmed case requirements (lab, clinical information)

- Nurse notes

Release 9 - Case Management Tools

- Ensure that the right steps are taken
- Status tracking
 - ① Examples: Investigation Initiated, Reviewed, Assigned a Case Status, Person Contacted, Completed Interview, Contacted Susceptible Contacts, Final Case Definition Sign-off (LHD and State level)
- Letter generation
- Reporting

Release 10 - Contact Management

- Who is related to a case

Release 11 - Case Load Management & Assurance

- Work load balancing
 - ① Example: Balance open investigations per Nurse
- Work assignment
 - ① Based on load balancing
- Notification and Reminder
- Dashboard

Release 12 - ELR (Electronic Lab Reporting)

- Receive labs electronically (receive HL7 messages) and create a case
- ELR Work flow
 - ① Create case if have enough data, put in work queue if not and walk user through work flow for CMR and Case Investigation forms
- Approximately 100 labs report to Utah focus on top labs
- *Note: Needs working group with state & labs*

Release 13 - Flex Forms

- Configurable Forms

- Add / Change Diseases etc.

Release 14 - LHD Private Data

- Ability for LHDs to store LHD specific data
- Special version of Flex Forms

Release 15 - Analysis & Visualization

- Frequency of cases by demographics, place, time
- Data warehouse

Release 16 - Collaboration Tool Integration

- Wiki
 - ① Structured / Unstructured data lineage
 - ① Nursing notes (example)
- Web Ex
 - ① Enormously useful to state and local
- Replace Utah Epi X

Release 17 - Import Legacy Data

- Various data will need to be imported to the system

Release 18 - Outbreak Management & Investigation

- Clusters
- Linking together cases
- Collecting specimens
- Controls for case level studies

Release 19 - Off-line Client

- Disconnected client that uploads to central system when connected

Release 20 - Clinician Reporting

- Clinician can be authenticated and can initiate a report

① Hospital Infectious Control Practitioners & others

- Line list

Release 21 - Electronic Notification

- Initiate CMR upon receipt of data from integration points
- Interface with Public Health Clinic
- Interface with Environmental Health Tracking
- Interface with hospital

Release 22 - GIS

- Assign Geocode to person, event, noun
- GIS interface

Release 23 - Integration with Syndromic Data

- RODS database

Release 24 - Replace HARS

- All forms in system
- Case management
- Longitudinal features
- Stringent Security requirements
- Standard reports