Moving into the Future - HL7 & Beyond

NEVADA WEBIZ

Disclosure

The presenter and continuing education provider have no financial relationships with any commercial products discussed in this educational presentation.

Learning Objectives

- Meaningful Use
- Preparing for an HL7 Interface
- Nevada WebIZ

An Overview

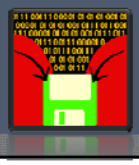
- Main purpose- record & track immunizations
  - Administered & historical
- Supported by State Law
- Expanding capabilities

What is HL7?

- Standard of electronic communication
- Used internationally
- Supported by the CDC
- Facilitates sharing of important health-related information
- CMS EHR Incentive Program
- EHR = EMR

What is Meaningful Use?

- Centers for Medicare & Medicaid Services EHR Incentive Program
- Encourages adoption of technology
- Funding awarded
- Goes FAR beyond Immunization



MU: Stages

- Stage 1 ending
- Stage 2 Rules
- Qualification
- Immunization

MU: Requirements

- Many to be met
- See CMS website
- Attestation
  - State Lab
  - Immunization Information System (IIS)

MU: Attestation Process

- Nevada
  - State Lab
  - IIS
- Process
  - Exclusions for Stage 1
  - Launch an HL7 Interface Project
- Importance of Commitment to Interfacing

EHR Incentive Program

- Talk to your staff
  - Why are you participating?
  - What is the benefit?
  - Overview of the process
  - What is Meaningful Use?
  - How will this affect office procedures?
  - Timelines

EHR Incentive Resources

- Incentive Program Website:
  - https://ehrincentives.cms.gov
- HealthInsight's Regional Extension Center (REC)
  - http://www.healthinsight.org/internal/REC.html
  - REC's work to support physican practices in achieving Meaningful Use
  - Central place for information
  - Helpful links

Preparing for HL7 Interface

- EHR software features
- Understanding expectations
- IT Support
- Vendor "hubs"
- Nationwide survey efforts
- HL7 versions: 2.3.1 vs. 2.5.1
- Talk to your EHR representative!
- Engage your staff!

Preparing: EHR Selection

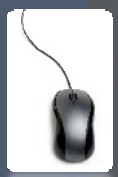
- Certified software
- Requirements
  - Functional
  - Data Captured
  - Data Sent
- Core Data Elements
- Be able to store it, even if you don't yet collect it!

Preparing: NV Expectations

- HL7 interface is a partnership
- Read materials provided
- Stick to project schedule
- Provider independence is necessary:
  - Interface development
  - Sustainability
  - Error resolution
  - Software upgrades
  - Coding changes

Preparing: IT Support

- Dedicated IT support is needed for:
  - Interface development
    - Software purchases, if necessary
    - Submitting test messages
    - Data coding
  - Ongoing interface use
    - HL7 message review & correction
    - Coding alterations
- Vital to the ongoing success of your interface!



Preparing: Vendor "Hubs"

- Hubs funnel all HL7 messages from all (participating) clients through one connection to the IIS
- Possible Benefits:
  - Can reduce cost for provider
  - Additional IT support
  - Data validation
  - Error review & correction support
  - Faster testing process than point-to-point

Preparing: National Surveys

- CDC
- Universities
- REC & EHRA Adoption Community of Practices' HIE & Interoperability Workgroup

Preparing: HL7 versions

- Nevada WebIZ accepts HL7 2.3.1
- Testing HL7 version 2.5.1 in 2013
- Will continue to accept 2.3.1 messages
  - Will determine a "sunset" date in the future
- Ask your EHR representative about your HL7 version

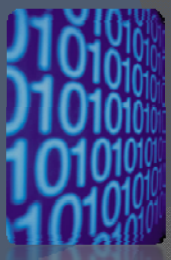
Preparing: Your EHR Reps

- Make a list of questions
- Don't be afraid to ask!
- Know that some EHR vendors offer packages:
  - Hub connections
  - Data cleansing
  - Data validation
  - Message review

Moving into the

NEVADA webIZ

- Functional Standards
- HL7 Interfaces
- Vital Records Data
- Data Quality Improvement
- Perinatal Hepatitis B Module
- CRA Module
- Public Access Portal



Functional Standards

- Identify minimum technical functions that immunization registries must implement
- Developed by the National Center for Immunization and Respiratory Diseases (NCIRD)
- 1997 survey of immunization program managers and registry developers
- Recommendations issued in 2001
- New Functional Standards proposed

Per the Centers for Disease Control and Prevention website, October 2012

HL7 Interfaces

- Currently submitting data:
  - Walgreens (10/4/12)
    - Our first "hub"
  - Banner Churchill Community Hospital (1/12/12)
  - Sierra Pediatrics (11/7/12)
  - Southwest Medical Associates (3/1/11)

HL7 Interfaces

- Currently testing submission:
  - Allscripts (hub; includes Touro University, Jurani Clinics, & (soon) Desert Pediatrics)
  - eClinicalworks (hub; starting with Carson Medical Group)
  - IHS/Tribal sites (statewide)
  - La Canada Pediatrics
  - North Vista Hospital
  - Pioneer Pediatrics
  - Renown (also includes Carson Valley Medical Center and Barton Health)
  - Washoe County Health District

HL7 Interfaces

- Lessons have been learned!
  - Refined Data Sharing Agreement
  - Setting Clear Expectations
  - Refined resource materials
  - Transitioning from manual entry to HL7
    - Communication with organization staff *key*
- Prevention and Public Health Fund Grant Project
- Bi-directional data exchange (queries)
- NHIE Board- Immunization Committee

Vital Records

- Birth Hepatitis B doses are documented on electronic birth record
- Upload will create Nevada WebIZ record within 4-6 weeks of birth
- Files parsed & processed as HL7 messages- planning ahead!
- Currently testing new format (HBIG)
- Developing rollout communication plan

Data Quality

Accurate, Timely & Complete = High Quality

High Quality = Reliable

Garbage in = Garbage out!

Data Quality

- Patient Care
- CDC Annual Reports
- Data Analysis & Requests
- Funding Opportunities
  - Inconsistent/inaccurate data means missed opportunities to enhance the registry!
- VFC/AFIX Assessments
- GIS Mapping

Data Quality

- How Nevada WebIZ is helping:
  - Participation in Data Quality Assessment Best Practices Guide development
  - Assessment & Education for VFC Providers
  - Data Quality report development
  - Advanced Data Quality Management Trainings
  - Attend the Data Quality session today at 2:15pm!

Perinatal Hepatitis B

- Add-on to Nevada WebIZ
- Tracks hepatitis B-positive mothers
- Cases entered beginning June 2012
- Supports CDC reporting requirements
- Preventing disease transmission

CRA Module

- Countermeasures and Response Administration
- Supports Public Health Emergency Program (PHEP) Response efforts statewide
- Used to track dispensing of assets from Strategic National Stockpile to patient
- Nevada ahead of the nation
- A logical collaboration!

Public Access Portal

- Allows parents to access child(ren)'s record(s)
- Allows adults to access their records
- Modeled after Nebraska and Wisconsin
- Developed with Nevada State Health Division's Information Security Officer
- Help promote by adding patient SSN in Nevada WebIZ

Public Access Portal

izrecord.nv.gov

Visit www.health.nv.gov

NEVADA webIZ To A Healthy Future!

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Why am I sharing this information with you?

Questions?

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