HL7 Immunization User Group

April 9, 2015

Welcome

Announcements:

- Welcome new co-chairs; Kevin Snow (Envision Technology Partners) and Fran Johnson (New Mexico)
- Cameron Gunderson (Utah) has volunteered to take minutes at meetings
- HL7 Immunization User Group Survey, to be sent out in the near future
  - Sent out once a year
  - Takes only two minutes to answer
  - Please answer when you receive it
  - Helps make the user group better, give co-chairs feedback on the group’s work

SISC Update: by Mary Woinarowicz

- Met on 4/8/2015
- Craig Newman gave update on Stage III Meaningful Use rules and affect on immunizations
- AIRA to solicit comments on stage III proposed rules; presentation next week to discuss relation to immunizations.

Timeline:
Comments due back to AIRA on 4/29. 5/4 SISC to review comments. 5/7 AIRA to host meeting to review comments. 5/11 finalize comments. 5/29 final comments will be sent to ONC

- Rob Savage: Reviewed E.H.R. changes on eligibility. Proposed changes to be sent out for feedback.

Update on new IIS status check and testing project: Nathan Bunker

- Critical Outcomes: Will help know how systems run across the United States. Fact finding process
- Additional Benefits: Immediate feedback, feedback on testing process, AIRA can collect information on how IIS actually work to support discussions
- First status check was done in 2013, not all states participated.
- 2015 status check is underway and states are signing up to participate.
- IIS Testing: Assumption testing based on national and local requirements. This tests the process.
  - “Failure” in testing may indicate: See slides
    ▪ Incorrectly written test
    ▪ Problem with docs of local or national requirement
    ▪ Area that needs more discussion by community
    ▪ Problem with IIS interface
    ▪ Local IIS requirement
  - Focus Areas: See slides
- Interoperability
- Coded Values
- Local Requirements
- National Compatibility
- Tolerance Test
- E.H.R. Examples
- Performance
- Ack Conformance

People are welcome to sign up (See link from slides)
Example test messages are welcome and needed.

Training Topic: QBP messages: Nathan Bunker

- Query Messages Introduction
  - Message Type and Profile (QBP, RSP, ACK)
    - Profiles are located inside as to why these are used (See slide)
      - QBP: Z34, Z44
      - RSP: Z32, Z42, Z31, Z33
      - ACK: Z23
- Request Complete Immunization History and Request Evaluated History and Forecast
  - Both are similar, one is evaluated and the other isn’t.
    - Possible results from query:
      - One client matches exactly the criteria sent
      - One or more clients match the criteria sent (inexact match)
      - No clients match the criteria sent
      - An exact match is found but they have requested that their data not be shared
      - There were errors or other problems
- Z34 – Request a Complete Immunization History
  - The goal of this query is to request a complete immunization history. This will support transferring a person’s immunization records from one information system to another
  - MSH , [[SFT]], QPD, RCP (see slide for details)
  - QPD – Input Parameter Specification. Plug in parameters. The more information input, the greater the response
  - RCP – Response Control Parameter
- Z32 – Return Complete Immunization History
  - MSH, MSA, [ERR], QAK, QPD
  - Message Definition: See slide
- MSA – Message Acknowledgement; Accept, Error or Reject
- QAK – Query Acknowledgement Segment, shows query response status
- Z31 – Return a list of candidates profile, returns a complete list of candidate patents in response
  - MSH, MSA, [ERR], QAK, QPD, PID, PD1, NK1
- Z33 – Return an Acknowledgement with No Person Records, returns an acknowledgement message. No demographic or immunization history will be returned. An acknowledgement is returned when one of the 3 cases return.
  - An error has occurred when processing the query
- No high confidence matches are found
- Too many matches are found and so non will be returned
- MSH, MSA, [ERR], QAK, QPD

**Query Response Possibilities**
- No clients are found that match the requested person
- The message is so poorly formed it can’t be processed.
- The message can be parsed but has errors, such as missing data elements that are required to support query processing
- Version may not be supported

**Z34 – Request Evaluated Immunization History and Forecast Query Profile** – May address in later meeting in more detail
- The goal of this query is to request an evaluated immunization history and forecast of next doses due.
- An evaluated immunization history and forecast consists of:
  - Limited demographic info about the individual
  - See slides

**Questions about queries from the group:**
- Returning the Z33 – Is the reason included in the return?
  - May have too many matches
  - QAK Query Acknowledgement Segment Returned: Statuses; Data found/no errors, No data found/no errors, application error, application reject, too many candidates found

**Next Topics:**
- How to test Queries
- Assigning Authority – strategies for getting it correctly filled

**Discussion Items:**
- **Group Polling Questions** – See Attachment with results
  - Do you support real-time queries?
  - Do you send or receive queries?
  - What do you do for testing queries?
  - Have you modified your query profiles from the implementation guide?
  - What is your onboarding process before allowing people to send queries?

  Group participants are welcome to email new questions to the co-chairs to be included in upcoming meetings.

- **Insurance Segments** – *No time to address in this meeting*
- **How you test and onboard bi-directional queries, registry limitations** – *No time to address in this meeting*

Next meeting is scheduled for 5/14/2015 at 2pm

We hope to see everyone at the HL7 meetings in New Orleans!