Announcements

- Quick poll on who identifies: EHR, IIS, National Interoperability, Other
  - 62% IIS, 30% NI, 8% Other

Standards and Interoperability Steering Committee (SISC) Update

- Rob Savage stepped down as co-chair. Anyone interested may volunteer. Looking to have more than 2. May email Mary Beth.
- Addendum to release 2.5.1 Implementation Guide is out for comment. Comments are due to AIRA by June 24th and a tentatively meeting will be held July 2nd to finalize comments. Goal is make corrections to the implementation guide and to provide clarification.

Review results of the HL7 user group survey

- See Slides, response was limited but most represented and IIS
- Reviewed the results on what is being done and what can improve
- Recommend inviting others to join this group

Training Topic: Security – Kevin Snow (works for a vendor)

- Reviewed security end-to-end
- Terms and Definitions
  - Certificate diagram provided establishing a trusted connection
  - The client vouches for the server and vice versa through the certificate
  - WSDL is a XML based language, used via web services
  - SOAP is XML describing data over the wire in the WSDL file
  - Transport vs Message Level Security, encryption ends with an end-point
  - Message Level Encryption: End-to-end security has the message itself encrypted and not the connection
- Secured Implementation Setups
  - Traffic is encrypted.
  - SSL 3.0 is not used anymore. Transport Level Security (TLS) is now used. SSL encryption can be broken. Older computers may not support TLS
  - VPN create a channel/tunnel between two networks, and this tunnel can be encrypted
  - Relay set up commonly used with cloud set ups. Only clients have access to relay. Allows you to be on the cloud but still keep all services secure and encrypted
  - HIE + Cloud: Message goes from user to the HIE, then to the HL7 Azure Government Cloud. Uses many transports but satisfied all security needs. May be slow. Uses TLS. Allows no external access
  - Question asked: Does data have to be encrypted at rest as required by HIPAA?
  - Some cloud implementations have more security issues (data going to different datacenters)
  - Unpatched computer and routers are commonly the cause for network breaches
• Securing Web Services and HL7 Messages
  o All messages should be encrypted when sending
  o Denial of Service Attacks (DoS) need to be protected against (limit max size on connections)
  o Reviewed Username/Password guidelines and suggestions
  o Be aware of faults in web services and error messages that may occur

• Q&A
  o Co-chairs will follow up with the user group regarding HIPAA requirements for encrypting data at rest. Only one state currently does this. Other jurisdictions are in the process of implementing this.

Discussion Items

• New questions / topics may be submitted for future meetings
• Required Fields for administered vaccines
• What should IIS do if they do not have the LOT number?
  o Rhode Island tells EHRs that it is required. It will be processed without it. They will get an error messages for failing to send a required item.
• Some EHRs may not meet all IIS requirements, however, the IIS may still work with the imperfect data. More guidance is expected in the future. The IIS will process what it is able to process.

Question & Answer

• Everything goes through web services
• The next meeting will go into more detail
• Lots of IIS struggle with the CDCs WSDL. Many have already implemented it or are in the process of implementing. Implementing the WSDL gives EHRs another option

IN1 and IN2 Segments (New Mexico)

• Do other states required these segments? This will be looked at nationally if there are benefits

Transmitting Double Doses

• What is the appropriate message? It is not written in the IG. One immunization should be submitted, but the volume should be doubled. This should prevent rejection of immunization’s be due to duplicates.
  o If injections are in different arms, what should be done? Record it as a single Rx site. Could be recorded in the medical record as a note.

Next Meeting: July 9th 2pm EST