

Education Survey

November 2012



Demographics

- N=46
- 75% male
- 25% female
- 61% North America
- 17% Europe
- 13% Asia-Pacific
- 7% Australia-New Zealand
- 2% Latin America
- 0% Africa



Business Sector Represented

- 30% hospital
- 22% government
- 22% vendor
- 16% consulting firm for HL7 implementation
- 14% academic health or research center
- 5% consulting firm for HL7 training
- 8% medical device/diagnostic/imaging
- 5% academic teaching
- 3% pharmaceutical company
- 3% regulatory agency

Job Titles

- 34% analyst
- 21% project manager/leader
- 16% clinical informaticist
- 18% consultant
- 5% academic
- 3% quality assurance manager

In current job

- Less than five years 42%
- Ten or more years 31%
- 5-9 years 27%



In industry (HL7)

- 10+ years 57%
- 0-4 years 27%
- 5-9 years 16%



Certification status

- 60% plan to be certified
- 21% don't plan to be certified
- 19% already certified:
 - 10% HL7 CDA certified
 - 7% V2.7 certified
 - 7% V3 RIM certified

Membership status

- 64% members
- 35% non-members

- 48% members for 0-4 years
- 11% members for 5-9 years
- 4% members for 10-16 years



Education Goals

- Expand skill sets 87%
- Help using standards 74%
- Help implementing standards 61%
- Certification preparation 50%
- Seek job advancement 44%
- Teach HL7 standards 37%
- Accrue CEUs/CMEs 15%



Importance of continuing ed

- 66% felt it was highly important for professional development
- 29% felt it was not important
- 5% were neutral

Professional Development Topics

- Introductory Level
- Me

Professional Development Topic Requests: Intro level

Members

- CCD
- Meaningful Use
- V3 RIM
- Immunization Messaging
- V2.7 & Test Review
- InfoButtons
- CDA & Test Review
- V.2 Message Profiles/
Conformance
- FHIR
- HL7 V2
- EHR/PHR

Non-members

- CCD
- Immunization Messaging
- InfoButtons
- V2 Control Specialist
- V3 RIM
- MU

Advanced Topic Requests

Member

- CDA
- V3RIM
- V2 Message Profiles & Conformance
- EHR/PHR
- CDA Test Review
- HL7 V2
- FHIR
- Meaningful Use
- Immunization Messaging
- V2.7 Control Specialist
- CCD
- InfoButtons
- V2.7 Test Review

Non-member

- V2 Message Profiles & Conformance (3)
- HL7 V2 (6)
- CDA (1)
- CDA Test Review (5)
- V3RIM (2)
- Meaningful Use (8)

Webinars

- 40% attended free Ambassador Webinars
- 1-2 per year 24%
- 3-4 per year 22%
- 5-6 per year 10%
- 6+ per year 4%



Webinar Topic Suggestions

- In addition to the topics requested previously:
- Practical CDA examples
- Specific Clinical Document types
- Guidance on link between coded entries and rendered text
- HL7 for lab results – beginner level
- CDA/CCD all levels
- FHIR Beginner, Intermediate levels
- EHR-S FM and specific profiles all levels

E-Learning Course (now Fundamentals Course)

- Attended full 14-week course 15%
- Attended Intro & V3 sections 10%
- Attended Intro & V2 2.5%
- Attended Intro, V3 and CDA 2.5%
- Plan to take in next six months 48%

Learning Mode Preferences

- Most preferred to least:
- Self-study, online course
- Webinars
- In-person, remote site within my region
- Asynchronous, instructor-led online course
- Podcasts/vodcasts
- Simulations and games
- Mobile apps
- Virtual 3-D, such as Second Life

eLearning Topics

- EHR-S Intro and Functional Profiles
- Data types, FHIR
- System development practices
- Localization and Tools
- V3 Tools
- Implementation (also in hospital)
- C-CDA beginners
- Clinical Decision Support – Analytics, Statistics
- Information Exchange
- Interoperability
- Fraud prevention strategies
- RIM
- Meaningful Use

Certification Preparation

- Preferred learning mode from most preferred to least
- Self-paced (non instructor, self-paced, independent)
- Blended (combines live discussion webinars & self-paced)
- In-person course
- Social Media enhanced (blended plus use of list serv, IM etc)
- Practice questions pushed to my mobile device

Certification Study Group Volunteers

- Subject Matter Expert (SME) (16)
- Develop study questions (11)
- Mentor/coach (10)
- Discussion leader (9)
- Monitoring a dedicated List Serv (6)



Employer Support of PD

- Strongly recommend 39.5%
- Required minimum 10.5%
- Advancement Opportunities 18.42%
- No impact on job 31.58%

- Employer pays 66%

- Provide in-house training 48%
- Contract for training 48%
- Provide no training 38%



Formats for Employer provided training

- From most to least often provided:
 - In person, onsite
 - Self-study, online course
 - In-person, remote site
 - Webinars
 - Mobile apps
 - Podcasts/vodcasts
 - Simulations & games
- 18% employers offer CEUs or CMEs for training