Meaningful Use Functional Profile

HL7 EHR TC
HL7 Working Group Meeting
Monday May 6 Q2
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Outline

- Initiative Key Objective

- Approach

- Initial Trial Task with Demographic Functions

- Experiences /Challenges /Questions
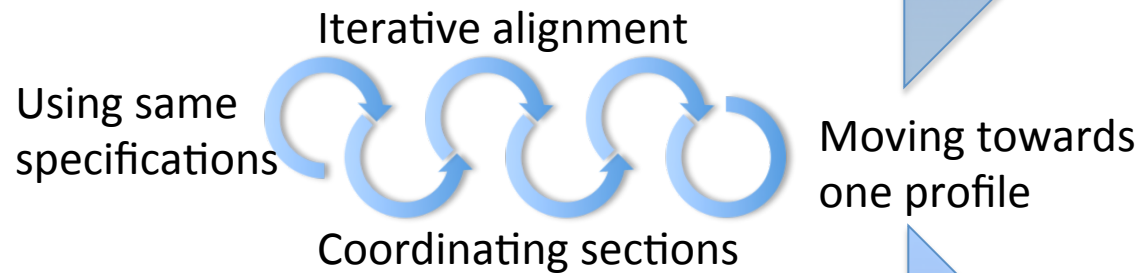
- Planning & Moving Forward Discussion

What's the Key Objective?

❑ Develop an **EHR-S FM Profile** (US Realm) for Meaningful Use (1, 2 & 3);

❑ Derive from EHR-S FM R2 and ONC 2014 Certification Criteria

Parallel Approach

Stream 1

Updating Existing Excel EHR-S FM R2 (May 2012) MU profile based on ONC 2011 Criteria

Iterative alignment

Using same specifications

Moving towards one profile

Coordinating sections

Create new Meaningful Use Profile in EA tool based on EHR-S FM R2 (May 2013) release and ONC 2014 Final Rule Certification Criteria

Stream 2

EHR-S FM Meaningful Use Profile including functions and conformance criteria for MU 1, 2 & 3

Initial Trial Task with Demographic Functions

- To Update the Meaningful Use – EHR-S FM Profile from:
  - EHR-S FM R2 (May 2012 Ballot Draft) functions and conformance criteria to EHR-S FM R2 (May 2013)
  - ONC 2011 Edition Final Rule Certification Language to the 2014 Final Rule Certification Criteria
- Started with Demographics

Demographic Example Requiring Updating

	ONC 2011 Edition Final Rule Certification Language		HL7/ISO 10781 Electronic Health Record System Functional Model Release 2 (May 2012 Ballot Draft) Corresponding EHRS Functions	Primary Related Conformance Criteria
Demographics[1]	Final Rule Text: EP §170.304 (c) Record demographics. Enable a user to electronically record, modify, and retrieve patient demographic data including preferred language, gender, race, ethnicity, and date of birth. Enable race and ethnicity to be recorded in accordance with the standard specified at § 170.207(f).	Final Rule Text: § 170.306(b) Record demographics. Enable a user to electronically record, modify, and retrieve patient demographic data including preferred language, gender, race, ethnicity, date of birth, and date and preliminary cause of death in the event of mortality. Enable race and ethnicity to be recorded in accordance with the standard specified at § 170.207(f).	Glossary Definition for "EHR" includes category of "demographics". ---------- CPS.1, Record Management CPS.1.2, Manage Patient Demographics CP.1.8, Manage Patient and Family Preferences RI.1, Manage Record Lifecycle and Lifespan RI.1.1.1, Originate and Retain Record Entry RI.1.1.2, Amend content of Record Entry RI.1.1.5, View/access content of Record Entry	CPS.1.2, CC#1-3, SHALL capture, maintain, render demographics CPS.1.2, CC#4, SHALL maintain history of demographics CP.1.8, CC#1-2, SHALL manage patient and family language preferences CPS.1.2, CC#9, SHALL capture administrative gender distinct from clinical gender CPS.1.2, CC#13, SHALL manage the date/time of birth, down to the minute CP.9.2, CC#3, MAY capture, render collection of death certificate data CP.4.4, CC#11, SHOULD capture, render complete demographics for diagnostic orders RI.1.1.1-2,5, CC#1, SHALL originate, amend, access/view (demographic) content of an EHR Record Entry

EHRS FM Demographic Functions Updated

HL7/ISO 10781 Electronic Health Record System Functional Model Release 2 (May 2012 Ballot Draft) Corresponding EHRS Functions	EHRS_FM_R2_C3_FunctionList_2013MAY
Glossary Definition for "EHR" includes category of "demographics". ---------- CPS.1, Record Management CPS.1.2, Manage Patient Demographics CP.1.8, Manage Patient and Family Preferences RI.1, Manage Record Lifecycle and Lifespan RI.1.1.1, Originate and Retain Record Entry RI.1.1.2, Amend content of Record Entry RI.1.1.5, View/access content of Record Entry	Glossary Definition for "EHR" includes category of "demographics". ---------- CPS.1, Record Management CPS.1.2, Manage Patient Demographics CP.1.8, Manage Patient and Family Preferences RI.1, Manage Record Lifecycle and Lifespan RI.1.1.1, Originate and Retain Record Entry RI.1.1.2, Amend content of Record Entry RI.1.1.2 Amend Record Entry Content RI.1.1.5, View/access content of Record Entry View/Access Record Entry Content

EHRS FM Demographic CC Updated

Primary Related Conformance Criteria R2 2012

CPS.1.2, CC#1-3, SHALL capture, maintain, render demographics
CPS.1.2, CC#4, SHALL maintain history of demographics
CP.1.8, CC#1-2, SHALL manage patient and family language preferences
CPS.1.2, CC#9, SHALL capture administrative gender distinct from clinical gender
CPS.1.2, CC#13, SHALL manage the date/time of birth, down to the minute
CP.9.2, CC#3, MAY capture, render collection of death certificate data
CP.4.4, CC#11, SHOULD capture, render complete demographics for diagnostic orders
RI.1.1.1-2,5, CC#1, SHALL originate, amend, access/view (demographic) content of an EHR Record Entry

CPS.1.2 CC#1-4
1. The system **SHALL** provide the ability to capture demographic information as discrete data as part of the patient record.
2. The system **SHALL** provide the ability to maintain demographic information as discrete data as part of the patient record.
3. The system **SHALL** provide the ability to render demographic information as discrete data as part of the patient record.
4. The system **SHALL** provide the ability to manage historic information for demographic data including prior names, addresses, phone numbers and email addresses.

CP.1.8 CC#1-2
1. The system **SHALL** provide the ability to manage patient preferences (e.g., language(s), religion, spiritual and cultural practices).
2. The system **SHALL** provide the ability to manage family preferences (e.g., language(s), religion, spiritual and cultural practices).

CPS.1.2 CC#9
9. The system **SHALL** provide the ability to capture the patient's gender used for administrative purposes (as distinct from the clinical gender).

CPS.1.2 CC#13
13. The system **SHALL** provide the ability to manage the date/time of birth, down to the minute, according to scope of practice, organizational policy and/or jurisdictional law.

CP.9.2 CC#3
3. IF the patient is tagged as deceased THEN the system **MAY** provide the ability to capture (i.e., trigger) and render the collection of death certificate data.

CP.4.4 CC#11
11. The system **SHOULD** capture and render complete demographic information for diagnostic orders according to scope of practice, organizational policy and/or jurisdictional law.

RI.1.1.1 CC#1-2
1. The system **SHALL** provide the ability to capture (originate) a Record Entry instance corresponding to an Action instance and context.
2. The system **SHALL** capture a unique instance identifier for each Record Entry.

RI.1.1.2 CC#1
1. The system **SHALL** provide the ability to update (amend) Record Entry content.

RI.1.1.5 ????

Experiences /Challenges / Questions Functions List

- For demographics, easy to update existing list of functions just basic grunt work.
  - Will get more difficult as we move into clinical functions.

- Did not look for potential new functions in R2 2013 that could be added to the MU profile.
  - Do we want to do this or leave to the other parallel stream of work since they have the EA tool and possible comparison functionality?

Experiences /Challenges / Questions
Conformance Criteria

- When updating the CC the excel cell size became a challenge. Required copy/paste to Word using the HTML format

- In the spreadsheet the 2012 CC are combined. This makes it tedious and time consuming to do a comparison with the 2013
  - Is there a document where they are not combined?

- Did not look for potential new CC for each function
  - Do we want to do this or leave for other parallel stream of work?

- Are there other file formats so a quick document compare can be done between 2012 and 2013? This would make it easier to scan through new items for potential addition

Planning & Moving Forward Discussion

- Is the parallel approach the right approach?

- Do we wait until the EHR-S FM R2 is complete/published?

- Can we do the ONC and the EHR-S FM mapping work at the same time or will this cause re-work?

- How do we use the new EA tool? Just for stream 2? Does it have version control and release comparison functions?

- Typical project questions
  - When is this required?
    - Initial target: by Cambridge WGM, we should try to have a version of MU-FP ready for prime-time show-n-tell!
  - How can we split this up and with whom?
    - Need lead, clinical expertise, tooling expertise.

- Other Questions / Discussion?

HEAVY LIFTING!

- The MU FP team meets every 2nd and 4th Tuesdays at 11am PST US
  - EHR Interop WG call: 770.657 9270/ 510269#

Comments

- What do we call this: comments; DTSU
- Warning that there maybe change
- There is a column in the spreadsheet that identifies ONC 2014 related functions that should be added to EHR-S FM 2013
- Could do a compare using pdf