Structured Data Capture (SDC)

Patient Safety Event & Adverse Event Reporting Sub-Working Group

August 11, 2014
Meeting Etiquette

• Remember: If you are not speaking, please keep your phone on mute

• **Do not put your phone on hold.** If you need to take a call, hang up and dial in again when finished with your other call
  - Hold = Elevator Music = frustrated speakers and participants

• **This meeting is being recorded**
  - Another reason to keep your phone on mute when not speaking

• **Use the “Chat” feature** for questions, comments and items you would like the moderator or other participants to know.
  - Send comments to **All Panelists** so they can be addressed publically in the chat, or discussed in the meeting (as appropriate).
## Agenda

<table>
<thead>
<tr>
<th>Topic</th>
<th>Time Allotted</th>
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</thead>
<tbody>
<tr>
<td>Welcome</td>
<td>10 minutes</td>
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<tr>
<td>Meeting Reminders</td>
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<tr>
<td>Event Announcements</td>
<td></td>
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<tr>
<td>PSE/AE SWG – Moving Forward</td>
<td>20 minutes</td>
</tr>
</tbody>
</table>
SDC Meeting Reminders

- **SDC FHIR Profile Form Design Mapping SWG** Meetings are Mondays @ 3:00 pm Eastern
  - Next meeting is **August 11, 2014**
  - Meeting information can be found on the Wiki:
    - [http://wiki.siframework.org/Structured+Data+Capture+Initiative](http://wiki.siframework.org/Structured+Data+Capture+Initiative)

- **SDC Data Element Attributes Mapping to FHIR** Meetings are **Wednesdays** @ 3:00 pm Eastern
  - Meeting scheduled for **Wednesday, August 13** is CANCELLED
  - Next meeting is **August 20, 2014**
  - Meeting information can be found on the Wiki:
    - [http://wiki.siframework.org/Structured+Data+Capture+Initiative](http://wiki.siframework.org/Structured+Data+Capture+Initiative)
SDC Meeting Reminders

- **SDC All Hands** meetings are **Thursdays from 3:25 – 4:30 pm Eastern**
  - Next meeting is **August 14, 2014**
  - Meeting Information can be found on the wiki
    - [http://wiki.siframework.org/Structured+Data+Capture+Initiative](http://wiki.siframework.org/Structured+Data+Capture+Initiative)

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**Weekly Meetings**

<table>
<thead>
<tr>
<th>Mondays @ 1:00 pm</th>
<th>Mondays @ 3:00 pm</th>
<th>Wednesdays @ 3:00 pm</th>
<th>Thursdays @ 3:25 pm</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSE/AE Sub-WG</td>
<td>FHIR Profile Development WG</td>
<td>Data Element Attributes Mapping to FHIR</td>
<td>All-Hands Meeting</td>
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<tr>
<td><strong>Meeting Name:</strong> SDC PSE/AE SWG</td>
<td><strong>Meeting Name:</strong> SDC FHIR Profile Development WG</td>
<td><strong>Meeting Name:</strong> SDC Data Element Attributes Mapping to FHIR</td>
<td><strong>Meeting Name:</strong> SDC All Hands</td>
</tr>
<tr>
<td><strong>Date:</strong> April 14, 2014</td>
<td><strong>Date:</strong> April 9, 2014</td>
<td><strong>Date:</strong> April 10, 2014</td>
<td><strong>Date:</strong> April 10, 2014</td>
</tr>
<tr>
<td><strong>Time:</strong> 1:00 - 2:00 pm Eastern</td>
<td><strong>Time:</strong> 3:00 - 4:00 pm Eastern</td>
<td><strong>Time:</strong> 3:00 - 4:00 pm Eastern</td>
<td><strong>Time:</strong> 3:26pm - 4:25 pm Eastern</td>
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<td><strong>URL:</strong> <a href="https://siframework1.webex.com">https://siframework1.webex.com</a></td>
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<td><strong>Dial In:</strong> 1-650-479-3208</td>
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REMINDER
Please check the wiki for the latest meeting schedule.
Other Meeting Reminders

- **Public Health Tiger Team** Meetings are **Tuesdays @ 2:00 pm Eastern**
  - Next meeting is **August 12, 2014**
  - Meeting information can be found on the Wiki:
    - [http://wiki.siframework.org/Public+Health+Tiger+Team](http://wiki.siframework.org/Public+Health+Tiger+Team)
  - Points of Contact
    - ONC, Jim (James) Daniel ([james.daniel@hhs.gov](mailto:james.daniel@hhs.gov))
    - CDC, John Saindon ([uzn0@cdc.gov](mailto:uzn0@cdc.gov))
    - CDC, Julie Lipstein ([iii7@cdc.gov](mailto:iii7@cdc.gov))
Announcement
Academy Health Call for Papers

• Deadline for Paper Submission: **September 10, 2014**
• Invited Perspectives and Topics
  – Proposed **conceptual models, frameworks, or protocols** or developing of user-friendly HIT interfaces OR that describe innovative methods for usability testing, EHR-based tools, webpages, mobile applications or databases.
  – Research **case studies** demonstrating the impact of a tool with high adoption rates on patient outcomes OR the impact of a user interface that demonstrates improved process outcomes (adoption, satisfaction) as a result of pilot or usability testing.
  – **Comparative case studies** demonstrating the impact of various tools and comparing implementation approaches across sites.
• More Information: [http://repository.academyhealth.org/egems/vol3/iss2/](http://repository.academyhealth.org/egems/vol3/iss2/)
Announcement - Event

Workshop on Interactive Systems in Healthcare

- **Event**: WISH Workshop (co-located with the American Medical Informatics Association (AMIA) Annual Symposium)
- **Date**: November 15, 2014
- **Location**: Washington, DC.
- **Overview**: WISH 2014 is a one-day interactive workshop for researchers and practitioners with interests in HealthIT to come together to promote deeper and more profound connections among diverse communities by discussing collaborative research experiences, and developing new collaboration opportunities.
Save the Date(s)

- **Event:** HL7 Plenary & Working Group Meeting
- **Dates:** Sep 14 - Sep 19
- **Location:** Chicago, IL
- **Link:** [http://www.hl7.org/events/wgm092014/](http://www.hl7.org/events/wgm092014/)

- **Event:** National Health IT Week (NHIT)
- **Dates:** Sept 15 - 19
- **Location:** Washington, DC
- **Link:** [http://www.healthitweek.org/](http://www.healthitweek.org/)
CMS Clinical Decision Support
Non-Alert TipSheet

• Provides an overview of Clinical Decision Support (CDS) and what Meaningful Use requires for CDS.
• Defines public health reporting and patient safety reporting as innovative types of CDS that meet the MU definition.

Clinical Decision Support: More than Just ‘Alerts’
Tipsheet
Last Updated: July 2014

What is Clinical Decision Support?

Clinical decision support (CDS) is a key functionality of health information technology that—when effectively applied—contributes to increased quality of care and enhanced health outcomes, error and adverse event avoidance, improved efficiency, reduced costs, and enhanced provider and patient satisfaction. Recognizing this potential to improve care, Congress included CDS as a centerpiece of the Medicare and Medicaid EHR Incentive Programs (“Meaningful Use,” or MU).

CDS is not simply an alert, notification, or explicit care suggestion. CDS encompasses a variety of tools including, but not limited to: computerized alerts and reminders for providers and patients, clinical
CMS Clinical Decision Support
Non-Alert TipSheet

• Why is this important?
  – To meeting Meaningful Use requirements for CDS, you **must implement 5 CDS interventions**
  – Of those 5, **one can be Patient Safety / Adverse Event Reporting**
  – Meeting Meaningful Use = Profit!

Download Link:
PSE/AE SWG

Accomplishments and Moving Forward
PSE/AE SWG Goals & Objectives

- **Goal:**
  - Validate, test and pilot the S&I SDC interoperability standards that specify how electronic health records (EHRs) can capture and transmit structured data for Patient Safety Event (PSE) and Adverse Event (AE) reporting

- **Objectives:**
  - Identify **Common Data Elements** (CDEs) and associated value sets, leveraging AHRQ Common Formats, that can be used for PSE and AE reporting from EHRs
  - Identify **structured forms/templates** these CDEs will populate, leveraging AHRQ Common Formats and FDA Form 3500/3500a
  - Develop PSE and AE Reporting **end-to-end workflow** (from EHR system to AHRQ Repository and from EHR system to FDA repository)
  - Identify 2 or more organizations to test and **pilot** the SDC Implementation Guide in a production or near production environment
PSE/AE SWG Timeline: Feb 2014 – Feb 2015

Feb – Mar 14
Mar – Apr 14
May – Jun 14
Jul – Aug 14
Sept – Oct 14
Nov – Dec 14
Jan – Feb 15

Milestones

CF Terminology Standards
PSE & AE CDE & Forms Review
PSE & AE Reporting Workflow Development

PSE & AE CDEs/Forms Mapping to SDC Specifications
SDC IG & PSE/AE Workflow Crosswalk
PSE/AE CDEs/Forms in Data Element Repository

PSE/AE Pilot Proposal Review
PSE/AE Pilot Monitoring & Evaluation
PSE/AE Companion Guide Development
PSE/AE Pilots Wrap-Up

PSE/AE Workflows Complete
PSE/AE CDEs & Forms Mapped
PSE/AE Companion Guide Complete
PSE/AE Pilots Close
PSE/AE SWG Launch
Goal(s): Identify Common Data Elements (CDEs) & Structured Form Templates

– Identified Patient Safety and Adverse Event Reporting Data Element Inventory
  • 368 Data Elements from multiple PSE/AE sources were mapped to the SDC Data Element Attribute Template; sources included:
    – AHRQ Common Formats
    – FDA 3500A
    – FDA 3500
  • Data Elements are in the process of being curated at NCI
    – https://cdebrowser.nci.nih.gov/
    – Select the “SDC Pilot Project” from the folder list on the left to view all data element
Goal: Develop PSE and AE Reporting end-to-end workflow

- Worked with community to identify workflow inventory
  - Patient Safety Reporting Workflow (To Be)
  - Adverse Event Reporting – Drug Event (Clinical Setting)
  - Adverse Event Reporting – Drug Event (Inpatient Setting)
  - Adverse Event Reporting – Device Event (Inpatient MedSun)

- Created and Validated Workflows; Generated Patient Safety and Adverse Event Reporting End-to-End Workflows and Overview Document
Goal: Identify 2 or more organizations to test and pilot the SDC Implementation Guide

- Confirmed 1 Pilot Team; in discussions with others
- Created the Pilots Planning and Support Document

**SDC Pilots Planning and Actions Document**


SDC Wiki Page:
[http://wiki.siframework.org/Structured+Data+Capture+Pilots](http://wiki.siframework.org/Structured+Data+Capture+Pilots)

Contacts: Jenny Brush ([jennifer.brush@esacinc.com](mailto:jennifer.brush@esacinc.com)) and Evelyn Gallego ([evelyn.gallego@siframework.org](mailto:evelyn.gallego@siframework.org))

Pilot Participation Checklist

- [Register](http://bit.ly/SDCPilots) as a committed member of the SDC initiative
- Complete the [SDC Pilot Interest Survey](http://bit.ly/SDCPilots)
- Review the [SDC Overview](http://bit.ly/SDCPilots) and read through the completed [Structured Data Capture Implementation Guidance](http://bit.ly/SDCPilots) to determine...
Goal:
Validate, test and pilot the S&I SDC interoperability standards that specify how electronic health records (EHRs) can capture and transmit structured data for Patient Safety Event (PSE) and Adverse Event (AE) reporting.

Objectives:
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- Identify 2 or more organizations to test and **pilot** the SDC Implementation Guide in a production or near production environment.
Moving Forward

- Regular PSE/AE SWG Meetings are cancelled.
- PSE/AE SWG Meetings may be held on an ad-hoc, as needed basis
- Pilot activities (including pilot planning, new pilot presentations, reporting, and feedback and evaluation) will be moved to the SDC All Hands Meetings on Thursdays at 3:30 pm Eastern.
- All updates on outstanding progress (e.g. data element curation activities and pilot progress) will also be shared with the community via the SDC All Hands Meetings and community update emails.
Continued Participation & Useful Links

• Please join us for the SDC All Hands on Thursdays!
• **SDC All Hands** meetings are **Thursdays from 3:25 – 4:30 pm Eastern**
  – Next meeting is **August 14, 2014**

• The Wiki is a great source of information
  – Meeting information and materials
  – Important announcements and updates on progress
  – Latest working documents
  – Upcoming events and opportunities for participation
Thank You

• Thank you for your participation.
• Your valuable time, feedback, meeting attendance and hard work were appreciated.
• You are what made this workgroup a success.
• Your expertise helped validate and pave the way for test beds ready to pilot the SDC standards.
• Congratulate yourselves for participating in a potential game-changer for healthcare.
Thank you Community Leads!!

- PSE/AE SWG Community Lead
  - Dr. Rory Jaffe
- AHRQ Co-Leads
  - Bill Munier
  - Glenn Egelman
- FDA Co-Leads
  - Mitra Rocca
  - Isaac Chang
Initiative Contacts

• SDC Initiative Coordinator
  – Evelyn Gallego (evelyn.gallego@siframework.org)

• SDC Pilot Support Lead
  – Jenny Brush (jenny.brush@esacinc.com)