

# Structured Data Capture (SDC)

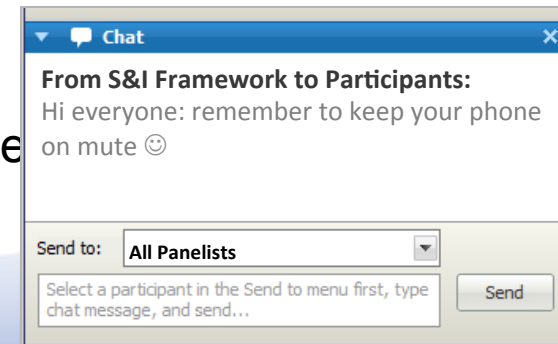
## Patient Safety Event & Adverse Event Reporting Sub-Working Group

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

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Topic	Time Allotted
Welcome Meeting Reminders Event Announcements	10 minutes
PSE/AE SWG – Moving Forward	20 minutes



# 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>
- **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>

# 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>

## REMINDER

**Please check the wiki for the latest meeting schedule.**

### Weekly Meetings

Please select the url first, then use the numbers and codes provided by WebEx to dial-in.

Mondays @ 1:00 pm	Mondays @ 3:00 pm	Wednesdays @ 3:00 pm	Thursdays @ 3:25 pm
<b>PSE/AE Sub-WG</b>	<b>FHIR Profile Development WG</b>	<b>Data Element Attributes Mapping to FHIR</b>	<b>All-Hands Meeting</b>
<b>Meeting Name:</b> SDC PSE/AE SWG <b>Date:</b> April 14, 2014 <b>Time:</b> 1:00 - 2:00 pm Eastern <b>URL:</b> <a href="https://siframework1.webex.com/">https://siframework1.webex.com/</a> <b>Dial In:</b> 1-650-479-3208 <b>Access code:</b> 665 726 037	<b>Meeting Name:</b> SDC FHIR Profile Development WG <b>Date:</b> April 14, 2014 <b>Time:</b> 3:00 - 4:00 pm Eastern <b>URL:</b> <a href="https://siframework2.webex.com/">https://siframework2.webex.com/</a> <b>Dial In:</b> 1-650-479-3208 <b>Access code:</b> 665 510 311	<b>Meeting Name:</b> SDC Data Element Attributes Mapping to FHIR <b>Date:</b> April 9, 2014 <b>Time:</b> 3:00 - 4:00 pm Eastern <b>URL:</b> <a href="https://siframework2.webex.com/">https://siframework2.webex.com/</a> <b>Dial In:</b> 1-650-479-3208 <b>Access code:</b> 669 321 915	<b>Meeting Name:</b> SDC All Hands <b>Date:</b> April 10, 2014 <b>Time:</b> 3:25pm - 4:25 pm Eastern <b>URL:</b> <a href="https://siframework1.webex.com/">https://siframework1.webex.com/</a> <b>Dial In:</b> 1-650-479-3208 <b>Access Code:</b> 663 397 496

# Other Meeting Reminders

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- **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>
  - 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

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- 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/>

# 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.
- **Link:** <http://wish2014.wordpress.com/>



# Save the Date(s)

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- Event: **HL7 Plenary & Working Group Meeting**
  - Dates: **Sep 14 - Sep 19**
  - Location: **Chicago, IL**
  - Link: <http://www.hl7.org/events/wgm092014/>
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- Event: **National Health IT Week (NHIT)**
  - Dates: **Sept 15 - 19**
  - Location: **Washington, DC**
  - Link: <http://www.healthitweek.org/>
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# CMS Clinical Decision Support Non-Alert TipSheet

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- 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<sup>1</sup>. Recognizing this potential to improve care, Congress included CDS as a centerpiece of the Medicare and Medicaid EHR Incentive Programs (“Meaningful Use,” or MU).<sup>2</sup>

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

### Download Link:

[http://www.cms.gov/Regulations-and-Guidance/Legislation/  
EHRIncentivePrograms/Downloads/](http://www.cms.gov/Regulations-and-Guidance/Legislation/EHRIncentivePrograms/Downloads/ClinicalDecisionSupport_Tipsheet.pdf)

[ClinicalDecisionSupport\\_Tipsheet.pdf](http://www.cms.gov/Regulations-and-Guidance/Legislation/EHRIncentivePrograms/Downloads/ClinicalDecisionSupport_Tipsheet.pdf)

# CMS Clinical Decision Support Non-Alert TipSheet

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- **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:

[http://www.cms.gov/Regulations-and-Guidance/Legislation/  
EHRIncentivePrograms/Downloads/](http://www.cms.gov/Regulations-and-Guidance/Legislation/EHRIncentivePrograms/Downloads/ClinicalDecisionSupport_TipSheet.pdf)

ClinicalDecisionSupport\_TipSheet.pdf

# PSE/AE SWG

Accomplishments and Moving Forward



# PSE/AE SWG Goals & Objectives

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- **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

Feb – Mar 14

Mar- Apr 14

May- Jun 14

Jul- Aug 14

Sept- Oct 14

Nov- Dec 14

Jan-Feb 15

## PSE/AE SWG Timeline: Feb 2014 – Feb 2015

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 SWG  
Launch

PSE/AE Workflows  
Complete

PSE/AE CDEs  
& Forms Mapped

PSE/AE Companion  
Guide Complete

PSE/AE  
Pilots Close

Milestones

# PSE/AE SWG – Accomplishments

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## **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

# PSE/AE SWG – Accomplishments

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## **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
  - <http://wiki.siframework.org/SDC+Patient+Safety+Event+Workflow>



# PSE/AE SWG – Accomplishments



## 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
  - <http://bit.ly/SDCPilots>

### SDC Pilots Document

.Link to the document below: <http://bit.ly/SDCPilots>

For anyone who has issues accessing Google Docs, here is a [downloadable MS Word version](#) (updated 2014-04-28).

### SDC Pilots Planning and Actions Document

Link to edit this document: <http://bit.ly/SDCPilots>

SDC Wiki Page:

<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](#) as a committed member of the SDC initiative
- Complete the [SDC Pilot Interest Survey](#)
- Review the [SDC Overview](#) and read through the completed [Structured Data Capture Implementation Guidance](#) to determine

# PSE/AE SWG Goals & Objectives

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- **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

# Moving Forward

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- 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

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- **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**
  - <http://wiki.siframework.org/Structured+Data+Capture+Initiative>
- **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
  - <http://wiki.siframework.org/Structured+Data+Capture+Initiative>

# Thank You

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- 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!!!

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



# Initiative Contacts

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- SDC Initiative Coordinator
    - Evelyn Gallego ([evelyn.gallego@siframework.org](mailto:evelyn.gallego@siframework.org))
  - SDC Pilot Support Lead
    - Jenny Brush ([jenny.brush@esacinc.com](mailto:jenny.brush@esacinc.com))
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