

CDS Connect – Contributor

This protocol will be used for individuals who contributed artifacts to the CDS Connect repository, or contributed feedback for the development of the Authoring Tool or other CDS Connect resources.

Introduction/Consent

- Introduce members of group.
- Thank you very much for your time today.
- NORC at the University of Chicago is a not-for-profit research organization, and we are working with the Agency for Healthcare Research and Quality (AHRQ) as the independent evaluator of the Patient Centered Outcomes Research (PCOR) Clinical Decision Support (CDS) Initiative.
- I am going to be leading this interview, but others may chime in with follow-up questions.
- Just a few things before we get started.
 - o Your participation is voluntary and you can conclude the discussion at any time. We are interested in your opinions – it is completely okay for you not to answer any questions that you do not want to. There are no wrong answers to the questions I will ask.
 - o We will not attribute anything you have to say as coming from you personally. We will keep your name confidential in any summaries or reports we make available to AHRQ or the public.
 - You are also free to make comments “off record” in which case we will only consider them as background.
 - o We have scheduled this meeting to last [x] minutes. **If you need to stop for any reason**, that is fine. We know you are busy and may schedule a follow up interview or e-mail you to address any unanswered questions. We appreciate your participation.
- We have **a member of our team from NORC taking notes** so we can write our reports, and we would like to make an **audio recording** to help make sure we capture everything correctly. The notes and recording will only be used by NORC to write our reports.
- Do you offer your consent to participate in the interview, and are you okay with us recording our conversation?
- Do you have any questions before we begin?

This survey is authorized under 42 U.S.C. 299a. The confidentiality of your responses to this survey is protected by Sections 944(c) and 308(d) of the Public Health Service Act [42 U.S.C. 299c-3(c) and 42 U.S.C. 242m(d)]. Information that could identify you will not be disclosed unless you have consented to that disclosure. Public reporting burden for this collection of information is estimated to average XX minutes per response, the estimated time required to complete the survey. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to: AHRQ Reports Clearance Officer Attention: PRA, Paperwork Reduction Project (0935-XXXX) AHRQ, 5600 Fishers Lane, Room #07W42, Rockville, MD 20857.

Opening

- Could you please start by introducing yourself, and your organization?
- What is your personal or organizational experience with CDS development and/or implementation?
- How did you get involved with CDS Connect?
 - Why did you decide to contribute an artifact to CDS Connect?
- What is your understanding of PC CDS?
- To what extent do you think the PCOR CDS Initiative has made a contribution to the development of this type of CDS?
 - What about the CDS Connect specifically?
- To what extent do you believe the platform is trusted for the successful dissemination of CDS? Have you used the CDS Connect website? If yes, which resources have you accessed?
 - Did you find the information that you were looking for on the website? If not, what were you looking for that you did not find?

Workgroups

- Did you participate in the [CDS connect] workgroup(s)?
 - Why did you participate in the workgroup(s)?
- Did your participation in the group(s) inform your, or your organization's, development of CDS?

Authoring Tool

If informant is on list of registered users of Authoring Tool:

- We understand that you registered to gain access to the Authoring Tool. Have you ever used the CDS Connect Authoring Tool to develop the CDS logic for a CDS artifact? Did you use it to develop the logic for the artifact that you submitted to the CDS Connect Repository?
 - Can you describe how you used the Authoring Tool? What did you like about the tool? What did you not like about using the tool?
 - Would you use it again? Why/Why not?

If informant is on NOT on list of registered users of Authoring Tool:

- Have you heard of the CDS Connect Authoring tool? If yes, is there a reason why did you not use the tool?
 - Would you consider using it in the future?
 - Is there another resource or tool you would use instead to develop CDS logic?

Repository/Artifacts

Contributing

- Why did you submit your artifact the CDS Connect Repository?
- What did you contribute, and why?
 - Would you do it again if the opportunity were to arise? Why/Why not?
 - Did you encounter any barriers related to sharing your artifact? If yes, what kinds? Intellectual property? Organizational governance?
- Had you received AHRQ funding in order to develop the artifact, and if so, under what funding vehicle?
 - Did you choose to submit [artifact] to the CDS repository or was it a requirement of a contract/grant?
- Would you please describe the process through which your artifact was submitted to the repository?
 - Were you required to provide any supporting documents and/or make any changes?
- Have you contributed the artifact to any other repositories or disseminated in any other way?
- From your perspective, what were the barriers and facilitators to submitting your artifact to the repository?

Consuming

- Have you used any of the artifacts or resources from CDS Connect? How?
 - Did the artifacts meet your needs?
- Would you please describe the process that you use to determine if resources from CDS connect are reliable or not?

Attachment H

- To what extent is it important to have shareable, standards-based, interoperable CDS? What role do you see CDS Connect playing in promoting such kinds of CDS?
- Have you ever used artifacts from another CDS repository?
 - Are you more likely to use artifacts from CDS Connect versus the other repository? Why/Why not?
- What are the major barriers and facilitators to using publically available CDS artifacts such as those available through the CDS Connect repository?

Patient/Caregivers/Patient Advocates

- Did the artifact(s) you submitted incorporate patient or caregiver preferences? How so?
- From your perspective, what are the major barriers and facilitators to engaging patients or caregivers in CDS?

GitHub Open Source Resources

- Are you aware of the CDS Authoring Tool and CDS Connect API open source resources that are on GitHub?
 - If yes, have you ever used them? How?
 - What did you find helpful or not helpful about these resources?

Impact

- Relative to prior CDS development, did the tools available through CDS Connect (e.g. the authoring tool) streamline your process for developing CDS?

Sustainability

- To what extent do you think that CDS Connect has been a success?
 - What challenges do you see with either using it, or with the entire concept of it?
 - Do you have any recommendations for it?
- To what extent has CDS Connect disrupted the field of CDS development and encouraged more developers to make shareable, standards-based, interoperable CDS? Why?