

# DAF Home

## Data Access Framework (DAF) Homepage

**The DAF Initiative ended on March 22, 2017. We would like to thank the entire community for their participation over the years! Below you will find a detailed list of initiative artifacts and deliverables for your reference.**

### DAF In Review

- For a high level review of the DAF Initiative, please read the [DAF Executive Summary](#)
- For a more detailed overview of the DAF Initiative, please read the [DAF Initiative Summary Document](#)

### DAF Resources

- To access past meeting materials [click here](#)
- To access DAF Standard Development Organization (SDO) ballot artifacts and publications [click here](#)

### DAF Closing Ceremony

- Final presentation can be accessed [here](#)
- Final meeting recording can be accessed [here](#)

## DAF Initiative Artifacts and Deliverables

DAF General Reference Materials	
<a href="#">DAF Initiative Kickoff</a>	This is the slide presentation from the DAF/ONC initiative kickoff from July 16, 2013.
<a href="#">DAF Phase 1 (Local) and Phase 2 (Targeted) Project Charter</a>	The document describes the overall DAF project charter, including the challenge statement, scope, deliverables and timelines.
<a href="#">DAF Terminology</a>	This wikipage describes the terminology that will be used by the community to discuss DAF standards.
<a href="#">Data Elements Standards Analysis</a> <a href="#">DAF Candidate Standards</a>	These draft documents outline the various standards examined by the DAF community.
<a href="#">FHIR Overview</a>	This presentation provides a high-level overview of API's, the HL7 FHIR Standard (including FHIR Resources, FHIR implementation guides and profiles), along with values sets, security components, and more. (9/17/2015)
<a href="#">DAF Closing Ceremony Presentation</a> <a href="#">Meeting Recording</a>	Overview of the accomplishments and dedication of the DAF community <ul style="list-style-type: none"><li>• Opening remarks from ONC and special guests</li><li>• Review the DAF initiative and its accomplishments</li><li>• Feedback back from pilots and other community participants</li><li>• Findings and next steps</li></ul>
<a href="#">Executive Summary</a>	The Executive Summary is a high-level overview of the DAF initiative, covering all aspects from inception, to execution and piloting.
<a href="#">DAF Project Summary</a>	The DAF Project Summary is a detailed review of the DAF initiative, covering all aspects from inception, to execution and piloting. Additional materials and links regarding all aspects of the project can be found within the document, or the supplemental appendices at the end of the document.

DAF Use Case Documents	
Local DAF Use Case Launch	These are the launch presentations of the Local and Targeted Data Access Use Case.
Targeted DAF Use Case Launch	
DAF Local Access Use Case 1(Phase 1)	This document outlines the scope of the Local Data Access Use Case and defines the requirements for intra-organizational data access (published 12/11/2013).
DAF Targeted Access Use Case 2 (Phase 2)	This document outlines the scope of the Targeted Data Access Use Case and defines the requirements for inter-organizational data access (published 2/5/2014).
DAF Phase 3 Reference Materials	
DAF Phase 3 Technical Overview	An overview of the PCORnet Abstract Model as well as the Proposed Technical abilities.
DAF Phase 3 (DAF for Research) Charter	The charter describes the challenge statement, scope, capabilities and of data access for Research.
DAF for Research Kickoff Presentation	This is the slide presentation from the DAF for Research–Phase 3 kickoff from September 9, 2015.
Phase 3 Pilot Requirements	Information on the minimum technical requirements an organization must meet for Phase 3 piloting.
DAF Phase 3 FAQs	These draft slides address the frequently asked questions for data access for research.
Functional Requirements (4/6 /16)	Functional Requirements identify the capabilities a system in a role must have in order to enable interoperable exchange of the healthcare data of interest. They provide a detailed breakdown of the requirements in terms of the intended functional behaviors of the application. Tabs (C1-C6) contain information about the Functional Requirements needed for each capability.
PCORnet Common Data Model (CDM) Specification, Version 3.0 and PCORnet Common Data Model v3.0 – parseable	The Common Data Model (CDM) is a way of organizing data into a standard structure. The approach PCORnet is using to do this mirrors the approaches used by other large national research consortia, including the HMO Research Network and the Mini-Sentinel Network. To learn more click <a href="#">here</a> .
DAF Phase 3 Pilot Deliverables	
Lincoln Peak Partners (LPP)	<ul style="list-style-type: none"> <li>• <a href="#">Kickoff Presentation (2/24/16)</a></li> <li>• <a href="#">Final Pilot Report-Out Presentation (11/30/16)</a></li> </ul>
Patient-centered SCAlable National Network for Effectiveness Research (pSCANNER)	<ul style="list-style-type: none"> <li>• <a href="#">Kickoff Presentation (8/24/16)</a></li> <li>• <a href="#">C1 and C2 demo (10/11/16)</a></li> <li>• <a href="#">Final Pilot Report-Out Presentation (10/19/16)</a></li> </ul>
Research Action for Health Network (REACHnet)	<ul style="list-style-type: none"> <li>• <a href="#">Kickoff Presentation (4/6/16)</a></li> <li>• <a href="#">C1 demo (8/11/16)</a></li> <li>• <a href="#">C1-C4 demo (1/23/2017)</a></li> <li>• <a href="#">Final Pilot Report-Out Presentation (1/25/2017)</a></li> </ul>

DAF Initiative Publications	
<b>HL7 FHIR® DAF IG DSTU 1</b>	On September 23, 2015, Health Level Seven® International (HL7®) published Release 2 of the HL7 Fast Healthcare Interoperability Resources (FHIR®) Draft Standard for Trial Use (DSTU). Additionally, the <a href="#">DAF FHIR Implementation Guide</a> , a US-realm specific implementation guide, was also published. The DAF FHIR IG identifies and recommends standards for the interoperable representation and transmission of data using the notion of a Query Stack, which modularizes the various layers of the Data Access Framework.
<b>HL7 FHIR® US Core IG Release 1</b>	On March 22, 2017 HL7® officially released and published FHIR Release 3 (STU). <a href="#">US Core FHIR Implementation Guide</a> (Release 1) officially released its version, based on FHIR Version 3.0.0.  The US Core Implementation Guide defines the minimum conformance requirements for accessing patient data as defined by the <a href="#">Argonaut</a> pilot implementations and the <a href="#">ONC 2015 Edition Common Clinical Data Set (CCDS)</a> . These profiles are intended to be the foundation for future US Realm FHIR implementation guides. In addition to Argonaut, they are used by <a href="#">DAF-Research</a> , <a href="#">QI-Core</a> , and <a href="#">CIMI</a> . Under the guidance of HL7 and the HL7 US Realm Steering Committee, the content will expand in future versions to meet the needs specific to the US Realm.
<b>HL7 FHIR® DAF for Research IG Release 2</b>	On April 21, 2017 HL7® officially released and published the <a href="#">DAF Research Implementation Guide STU2</a> . The DAF-Research IG focuses on enabling researchers to access data from multiple organizations in the context of Learning Health System (LHS). While DAF-Research IG can be applied to multiple use cases, the current requirements have been drawn heavily from PCORnet use cases and implementations and are described on the DAF website. The capabilities described as part of the IG are intended to be leveraged to build our nation's data infrastructure for a Learning Health System. DAF-Research will leverage the US-Core IG and profiles for the resources that overlap with US-Core. In addition DAF-Research will create additional profiles necessary for DAF-Research purposes which do not exist in US-Core.
<b>DAF Document Metadata Based Access Implementation Guide</b>	On September 24, 2015, the Integrating the Healthcare Enterprise (IHE) Patient Care Coordination (PCC) Technical Committee published <a href="#">The Data Access Framework (DAF) Document Metadata Based Access Implementation Guide</a> . This US National Extension provides requirements and guidance on accessing clinical documents created during clinical workflows. The guide accomplishes this using RESTful resources based on HL7 FHIR® and the more traditional SOAP based IHE Profiles.
<b>DAF/IHE White Paper</b>	On October 24, 2014, the IHE Patient Care Coordination (PCC) domain has published the DAF White Paper, <a href="#">A Data Access Framework Using IHE Profiles</a> as a resource artifact under the IHE technical framework resources.
HL7 FHIR Connectathon Results	
<b>FHIR Connectathon 14</b>	The US Core IG participated in FHIR Connectathon 14 as an official track proposal from January 14-15, 2017 in San Antonio, TX. Testers included:  Servers- <a href="#">Aegis.net</a> , Inc., Cerner, T-System, Inc., Transcend Insights, GE Healthcare Digital. Clients- <a href="#">Aegis.net</a> , Inc. Details on the US Core test track can be found here: <a href="https://docs.google.com/spreadsheets/d/1b_zl38TvseYgEN0ozuVUYPB0fsX-THUm4tRHpJu36kl/edit#gid=0">https://docs.google.com/spreadsheets/d/1b_zl38TvseYgEN0ozuVUYPB0fsX-THUm4tRHpJu36kl/edit#gid=0</a> .
<b>FHIR Connectathon 13</b>	The US Core IG participated in FHIR Connectathon 13 in September 2016 in Baltimore, MD. Testers included:  Servers: <a href="#">Aegis.net</a> , Inc., Allscripts, Cerner, Epic, Intersystems, T-System, Inc., Mayo Clinic. Clients: <a href="#">Aegis.net</a> , Inc. Cigna, CIOX Health, InterSystems, Medidata Solutions, Philips, Qvera, XMLModeling, VA. Testing Tools: Crucible, Touchstone  Details on the US Core test track can be found here: <a href="https://docs.google.com/spreadsheets/d/1rrz8yqkG5gHhSEzUvZxP-6_CCFr_6F0FUEIFRGmObyw/edit#gid=1058013156">https://docs.google.com/spreadsheets/d/1rrz8yqkG5gHhSEzUvZxP-6_CCFr_6F0FUEIFRGmObyw/edit#gid=1058013156</a>
<b>FHIR Connectathon 12</b>	The DAF Core IG (later renamed to US Core IG) participated in FHIR Connectathon 12 from May 7-8, 2016 in Montreal, Canada. Details on the test track can be found <a href="#">here</a> .
<b>FHIR Connectathon 11</b>	The DAF Core IG (later renamed to US Core IG) participated in FHIR Connectathon 11 from January 9-10, 2016 in Orlando, FL. The following vendors formally signed-up to test DAF (additional onsite participants were expected): Cerner, Qvera, Care Evolution, <a href="#">Aegis.net</a> , Inc., InterSystems, McKesson and Transcend Insights.
IHE N.A. Connectathon	
<b>IHE N.A. Connectathon 2015</b>	The DAF team participated in the IHE N.A. Connectathon from January 25-30, 2015 in Cleveland, Ohio where DAF tested as a defined implementation of the IHE MHD profile.

## Initiative Contacts

ONC Lead	Farrah Darbouze	<a href="mailto:Farrah.Darbouze@hhs.gov">Farrah.Darbouze@hhs.gov</a>
Initiative Coordinator	Johnathan Coleman	<a href="mailto:jc@securityrs.com">jc@securityrs.com</a>
Project Management	Jamie Parker	<a href="mailto:jamie.parker@esacinc.com">jamie.parker@esacinc.com</a>

Project Management Support	Gayathri Jayawardena	<a href="mailto:gayathri.jayawardena@esacinc.com">gayathri.jayawardena@esacinc.com</a>
Project Support	Nik Reineke	<a href="mailto:nikolas.reineke@esacinc.com">nikolas.reineke@esacinc.com</a>
Project Support	Swapna Bhatia	<a href="mailto:swapna.bhatia@esacinc.com">swapna.bhatia@esacinc.com</a>
Technical Support SME	Dragon (Nagesh) Bashyam	<a href="mailto:nagesh.bashyam@drajer.com">nagesh.bashyam@drajer.com</a>
Standards SME	Brett Marquard	<a href="mailto:brett@riverrockassociates.com">brett@riverrockassociates.com</a>
Standards SME	Ed Larsen	<a href="mailto:ed_larsen@comcast.net">ed_larsen@comcast.net</a>
Privacy and Security SME	Glen Marshall	<a href="mailto:gfm@securityrs.com">gfm@securityrs.com</a>
Standards Support	Angelique Cortez	<a href="mailto:angelique.j.cortez@accenturefederal.com">angelique.j.cortez@accenturefederal.com</a>