

Data Exchange Framework

Implementation Advisory Committee (IAC)
Meeting

Wednesday, May 22, 2024

12:00 PM - 2:00 PM PT





Meeting Participation Options Onsite

- Members who are onsite are encouraged to log in through their panelist link on Zoom.
 - o Members are asked to <u>keep their laptop's video, microphone, and audio off</u> for the duration of the meeting.
 - The room's cameras and microphones will broadcast the video and audio for the meeting.
- Instructions for connecting to the conference room's Wi-Fi are posted in the room.
- Please email Amanda Johnston (amanda.johnston@chhs.ca.gov) with any technical or logistical questions about onsite meeting participation.



Meeting Participation Options

Written Comments

- Participants may submit comments and questions through the Zoom Q&A box; all comments will be recorded and reviewed by CDII staff.
- Participants may also submit comments and questions as well as requests to receive Data Exchange Framework updates – to DxF@chhs.ca.gov.
 - Questions that require follow up should be sent to <u>DxF@chhs.ca.gov</u>.



Meeting Participation Options

Spoken Comments

• Members of the public and Committee Members must "raise their hand" for Zoom facilitators to unmute them to share comments; the Chair will notify participants/Members of appropriate time to volunteer feedback.

Onsite		Offsite		
Logged into Zoom	Not Logged into Zoom	Logged into Zoom	Phone Only	
If you logged on <u>onsite</u> via <u>Zoom interface</u>	If you are onsite and not using Zoom	If you logged on from offsite via Zoom interface	If you logged on via <u>phone-only</u>	
Press "Raise Hand" in the "Reactions" button on the screen or physically raise your hand If selected to share your comment, please begin speaking and do not unmute your laptop. The room's microphones will broadcast audio	Physically raise your hand, and the chair will recognize you when it is your turn to speak	Press "Raise Hand" in the "Reactions" button on the screen If selected to share your comment, you will receive a request to "unmute;" please ensure you accept before speaking	Press "*9" on your phone to "raise your hand" Listen for your <u>phone number</u> to be called by moderator If selected to share your comment, please ensure you are "unmuted" on your phone by pressing "*6"	

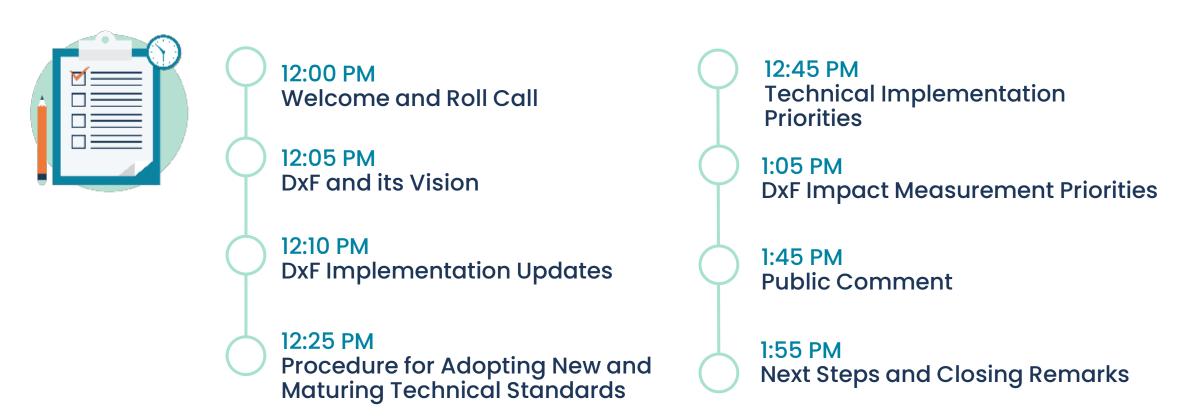


Public Comment Opportunities

- Public comment will be taken during the meeting at designated times.
- Public comment will be limited to the total amount of time allocated for public comment on particular issues.
- The Chair will call on individuals in the order in which their hands were raised.
- Individuals will be recognized for up to two minutes and are asked to state their name and organizational affiliation at the top of their statements.
- Participants are encouraged to use the comment box to ensure all feedback is captured or email their comments to DxF@chhs.ca.gov.



Agenda





Welcome and Roll Call



Speaker Introductions

John Ohanian

CDO, CalHHS Director, CDII

Rim Cothren

Independent HIE Consultant, CDII

DeeAnne McCallin

Deputy Director, CDII

Cindy Bero

Senior Advisor, Manatt Health Strategies



IAC Members (1 of 2)

Name	Title	Organization
John Ohanian (Chair)	Director	CalHHS Center for Data Insights and Innovation
DeeAnne McCallin	Deputy Director	CalHHS Center for Data Insights and Innovation
Dan Chavez	Executive Director	Serving Communities Health Information Organization
Joe Diaz	Senior Policy Director	California Association of Health Facilities
David Ford	Vice President, Health Information Technology	California Medical Association
Aaron Goodale	Vice President, Health Information Technology	MedPoint Management
Brian Henricksen	Director, Global Medical Response	California Ambulance Association
Cameron Kaiser	Deputy Public Health Officer	County of Solano
Mark Knee	Acting Division Director, Interoperability Division	Office of the National Coordinator for Health Information Technology (ONC)
Troy Kaji	Associate Chief Medical Informatics Officer	Contra Costa Regional Medical Center and Health Centers



IAC Members (2 of 2)

Name	Title	Organization
Andrew Kiefer	Vice President, State Government Affairs	Blue Shield of California
Carol Leveroni	Executive Director	California Association of Health Information Exchanges
Matt Lege	Government Relations Advocate	SEIU California
Pam Martinez	Emergency Medical Services Director	Ontario Fire Department
Amie Miller	Acting Executive Director	California Mental Health Services Authority
Ali Modaressi	CEO	Los Angeles Network for Enhanced Services
Lucy Saenz	Assistant Director of Data Informatics	California Primary Care Association
Kiran Savage-Sangwan	Executive Director	California Pan-Ethnic Health Network
Felix Su	Director, Health Policy	Manifest MedEx
Jim Willis	Systems Informatics Leader	CommonSpirit Health



DxF and its Vision



The Vision for Data Exchange in California

The Data Exchange Framework (DxF) creates new connections and efficiencies between health and social services providers, improving whole-person care.

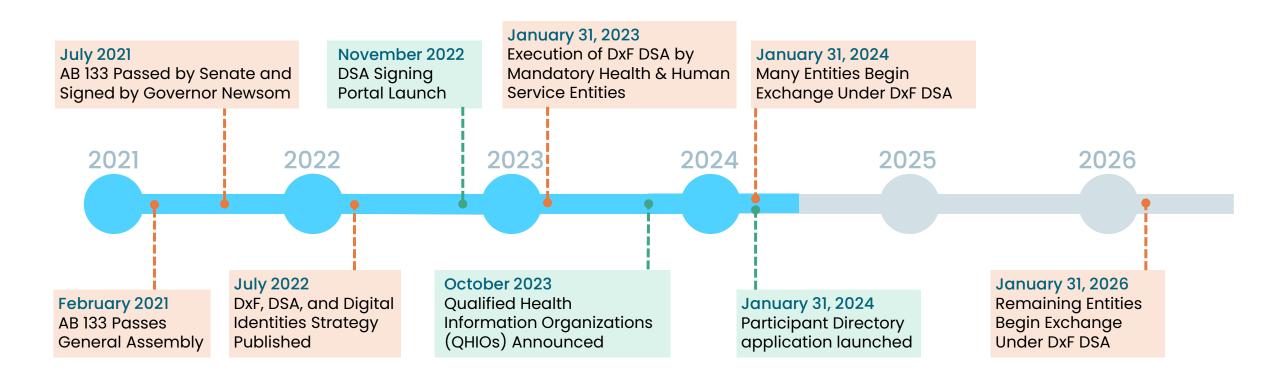
The DxF is California's first-ever statewide Data Sharing Agreement (DSA) that requires the secure and appropriate exchange of health and human services information to enable providers to work together and improve an individual's health and wellbeing.





DxF Implementation Timelines

Exchange under the DxF became effective January 31, 2024

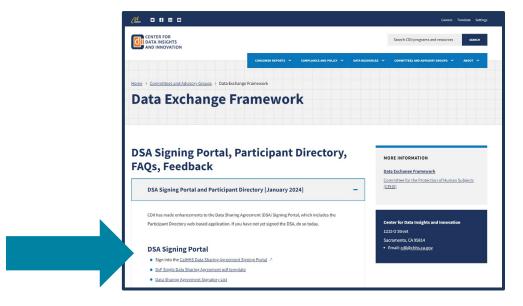




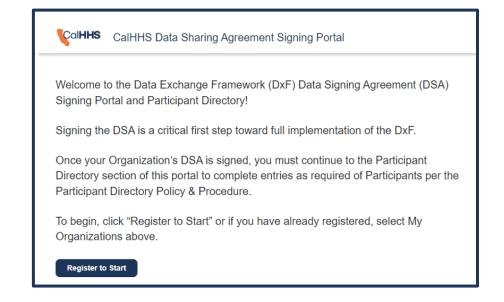
Mandatory Signatories – Sign the DSA Immediately and Enter Choices in the Participant Directory

Mandatory signatories were required to execute the DSA by January 31, 2023.

LINK TO DSA SIGNING PORTAL AND THE PARTICIPANT DIRECTORY ON DXF WEBPAGE



DSA SIGNING PORTAL AND PARTICIPANT DIRECTORY LANDING PAGE



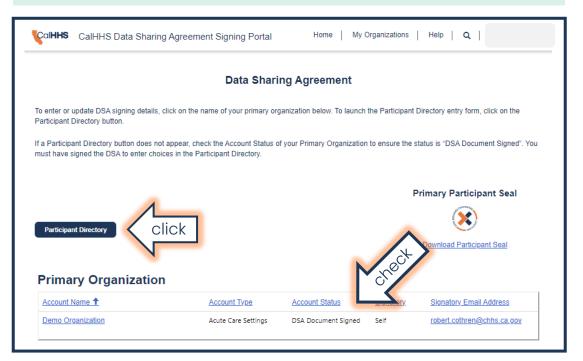


DSA Signing Portal URL

All DxF Signatories – Enter Choices in the Participant Directory

All Signatories to the DSA are obligated by the <u>Participant Directory P&P</u> to make choices on how to exchange. To access the Participant Directory, an organization must have a signed DSA.

WHERE TO ACCESS THE PARTICIPANT DIRECTORY



WHERE TO FIND MORE INFORMATION

More information is available on the CalHHS DxF <u>webpage</u>, including:

- Participant Directory How-To Guide
- Participant Directory Walkthrough Webinar
- Participant Directory Listing
- Participant Directory Flat-File Format Guide
- Participant Directory Quick Start How To Guide

Contact CDII at dxf@chhs.ca.gov if your organization has questions about accessing the Participant Directory portal application.



DxF Implementation Update



DxF Implementation Updates

Since the last IAC meeting, CDII & stakeholders have continued to advance DxF implementation across several domains.



Advisory Committees

- CDII convened the Technical Advisory Subcommittee to discuss a technical standards adoption process. Discussion on an ADT notification strategy is currently underway.
- CDII convened the DSA P&P Subcommittee on April 10, 2024 to provide an update on DxF implementation and discuss priority DSA P&P topics to address in 2024.



DSA P&P Development

CDII amended and released new versions of the Participant Directory and Technical Requirements for Exchange P&P.



DxF Grants

- Round 3 of DSA Signatory Grants has closed and CDII has published a list of all awarded Grantees.
- CAHIE has transferred QHIO Onboarding Grantee support responsibilities to PCG. All Grantees can work with PCG for grant award support and questions.



OHIO

- CDII welcomes QHIO Program Manager, Jacob Parkinson.
- CDII and the QHIOs are developing reporting requirements and finalizing an ADT spec template to exchange rosters amongst QHIOs.
- CDII is developing additional resources to support the QHIO Program.



Signatory Count as of 05/13/2024

There are over 2,400 signed DSAs that represent ~3,800 Participants

Participant Category based upon Type Analysis*	Unique DXF IDs (records)
Hospitals (General acute care settings and acute psychiatric settings)	296 of 524 (56%)
Physician organizations and medical groups	1,799 (of unknown)
Skilled Nursing Facilities (SNF)	744 of 1,198 (62%)
Health Care Service Plans and Disability Insurers (Plans)	91 of 184 (49%)
Clinical Laboratories	239 of 2,551 (9%)
Qualified HIOs (QHIOs)	9 of 9 (13 due to aliases)
County – health, public health, social services	51
County (DSA has Primary Org, county level only)	14
State	5
Other (CBOs, non-QHIO Intermediaries, others)	404
Primary Organization with Subs, has indicated will exchange at this level	24
Primary Organization with Subs, no Primary level exchange indicated	206
Total Participant Type Count	3,886



^{*} Category is CDII assessment of signatory information provided in the DSA Signing Portal & Participant Directory in alignment with HSC 130290, as well as organizations identified via reporting from the California Open Data Portal; Category is not a legal determination of org type. The weekly DSA Signatory List is undergoing modifications to incorporate these categorizations.

Participant Directory Choices as of 05/13/2024

Organizations (primary and subordinate) entering choices 672

Of those organizations entering choices in the Participant Directory:

Entity Type Selected	Requests for HSSI (query)	Delivery of HSSI (push)	Requests for ADT Notifications
Nationwide networks and frameworks	32%	30%	-
Qualified HIOs	60%	60%	57%
SELF (point-to-point connections)	4%	4%	22%
OTHER (not nationwide network, SELF, or QHIO)	0%	2%	2%
ONBOARDING TO QHIO	1%	1%	1%
NOT APPLICABLE	2%	4%	19%
Organizations electing to exercise the option to delay exchange until January 31, 2026, as allowed under Health and Safety Code § 130290 or the Requirement to Exchange Health and Social Services Information P&P			18%

The Participant Directory Listing in machine-readable flat-file format is available on the DxF webpage.



QHIO Program Updates



CDII welcomes
Jacob Parkinson as the
QHIO Program Manager.

CDII will continue developing QHIO Program components including:

- Compliance & Oversight
- QHIO Grant Requirements

CDII and the QHIOs have been meeting weekly to discuss and refine program components.

CDII is developing additional components to support the QHIO Program, prioritizing the development of:

- QHIO-to-QHIO Data Sharing
 - CDII and the QHIOs are collaborating to finalize inter-QHIO data exchange capabilities.
 - An ADT specification template is being finalized to streamline roster exchange among QHIOs.
- DxF Reporting Requirements
 - CDII and the QHIOs are assessing current reporting capabilities to support the DxF impact measurement effort.



Grants Program Updates

The final round of the DSA Signatory Grant Program has closed and all Grants have been awarded. Grantees' first required Progress Reports are due June 30, 2024.

DSA Signatory Grants Snapshot				
	Grantees	Signatories	% TA Funds	% QOB Funds
Totals	528	810	60%	40%

Milestone Completion Snapshot (as of 4/30/24)				
Grant	Milestone 1		Milestone 2	
	Grantees	Funds Disbursed	Grantees	Funds Disbursed
TA	91	\$2,680,966	3	\$100,000
QOB	48	\$1,870,000	0	0
Totals	139	\$4,550,966	3	\$100,000

CDII and PCG have hosted three office hour sessions to date to provide DSA Signatory Grantees with information on Grantee responsibilities and next steps.

The next session will be held on **June 13, 2024 from 11a-12p.**



Additional office hours may be scheduled based on progress report submissions.



Notification: Recently Amended P&Ps
Technical Requirements for Exchange + Participant Directory

CDII made <u>administrative modifications</u> to the Technical Requirements for Exchange P&P and the Participant Directory P&P. The updated P&Ps are now published to the <u>DxF webpage</u>.



- CDII revised the Technical Requirements for Exchange P&P to align with the requirements of the Participant Directory P&P. This is an administrative change to limit the requirement to respond to queries to those organizations that Maintain HSSI. As this proposed change aligns with other P&Ps drafted and adopted later in time, CDII does not consider the proposed modification to be substantive.
- CDII revised the Participant Directory P&P to align all deadlines to ten 'business' days (one occurrence) previously referred to 'calendar' days). This is an administrative change that should not result in any change to the meaning of the P&P, or to CDII's expectations for Participants, and are otherwise not considered to be substantive.
- CDII revised both P&Ps to update language regarding the effective date of the policy. This is an administrative change that reflects that policies are now effective upon publication, rather than the past DxF implementation date of January 31, 2024.

CDII closed the public input period on April 8, 2024, and did not receive any objections from stakeholders.

Please see Section III.5. of the Development of and Modification to Policies and Procedures P&P for more information on the Administrative Modification Process.

For Discussion: Go-live Implementation Feedback



- What successes have your organization/sector experienced following the start of exchange under the DxF on January 31, 2024?
- 2. What challenges have your organization/sector encountered?
- 3. What actions can CDII and stakeholders take to support the successful exchange of information under the DxF?



Procedure for Adopting New and Maturing Technical Standards



Procedure for Adopting New and Maturing Technical Standards

- The Technical Requirements for Exchange P&P requires that CDII develop an open and transparent process to review and consider new and maturing technical standards for potential inclusion in the DxF.
- The Technical Advisory Subcommittee (TASC) was convened earlier this year to develop recommendations for CDII's consideration.

- 6. <u>Technology Updates</u>. The Governance Entity must create an open and transparent process to review and consider new and maturing National and Federally Adopted Standards for potential inclusion in the Data Exchange Framework.
 - a. The process must be put in place no later than July 1, 2024.
- b. The process must consider both data content standards and data exchange standards to be adopted as amendments to the Data Elements to Be Exchanged Policy and Procedure and to this policy, respectively.
 - c. The process must establish a regular review cadence, no less than annually.
- d. The process must align with requirements of the Development of and Modifications to Policies and Procedures Policy and Procedure.

Excerpt from <u>Technical Requirements for Exchange P&P</u>

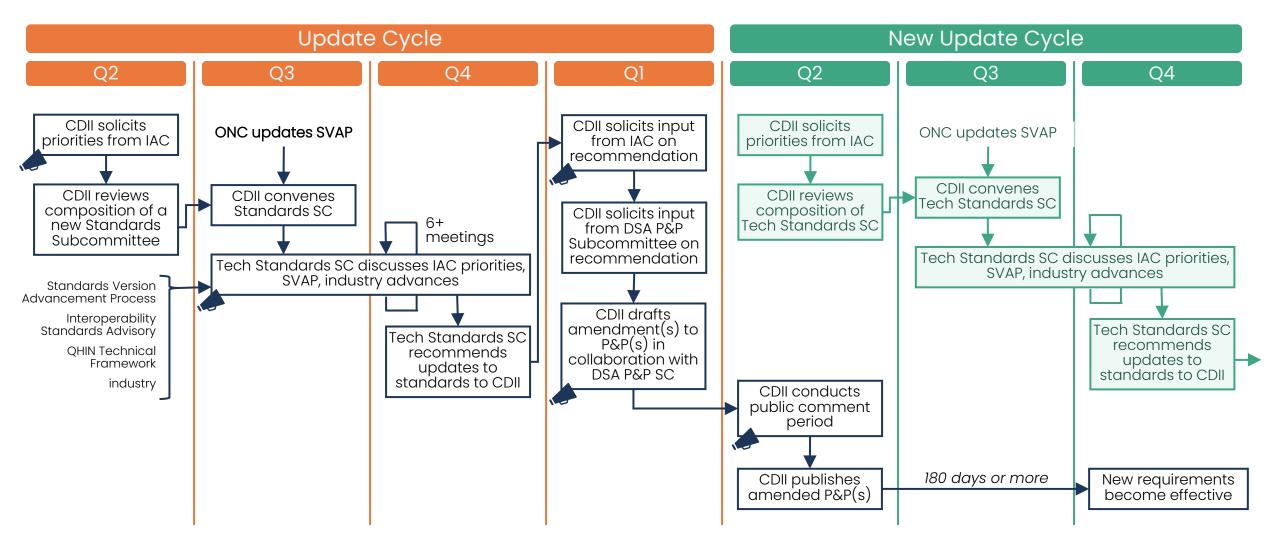


Recommended Guiding Principles

- DxF requirements for exchanging information and technical standards for exchange must comply with applicable state and federal law.
- DxF technical standards advancement process must be open and transparent, providing opportunities for public input and public visibility into recommendations.
- DxF should strive to avoid conflict with federal standards to reduce Participant burden and leverage requirements set by the federal government on vendors.
- DxF should consider, but not be limited to, federal standards adoption timelines when establishing timing and method of advancing DxF standards.
- DxF technical standards must address the exchange of health and social services data as established in applicable state and federal law.
- DxF technical standards should continue to advance exchange in key areas identified by the IAC that impact health.



Technical Standards Process Summary





Beginning the Cycle

The Procedure for Adopting New and Maturing Technical Standards <u>launches once each year</u>, aligned to the annual update of the Standards Version Advancement Process (SVAP).

Prior to update of the SVAP by ONC:

- 1. CDII solicits input from IAC at a regular meeting in Q2 of each year to establish priority areas in which standards advancement should be considered
- 2. CDII establishes (or reestablishes) a Standards Subcommittee following the IAC meeting, considering priority areas of advancement and membership from prior years

Note: ONC has no set timeline for updating the SVAP. The SVAP is usually updated in late summer or early fall.



Considering New Standards

The review of new and maturing standards is undertaken by the Standards Subcommittee, making recommendations for standards advancement to CDII

Following update of the SVAP by ONC:

- 3. CDII convenes the Standards Subcommittee, likely in Q3
- 4. The Standards Subcommittee discusses new and emerging standards considering content of the SVAP, Interoperability Standards Advisory (ISA), QHIN Technical Framework, and other industry advancements and adoption over the course of several open meetings
- 5. The Standards Subcommittee provides recommendations for technical standards advancement to CDII in Q4
- 6. CDII solicits comments on the recommendations from the IAC at a regular meeting of the IAC at the beginning of the new year



Establishing New Requirements

Standards are updated or replaced in the Data Elements to Be Exchanged P&P, the Technical Requirements for Exchange P&P, and other P&Ps as appropriate

- 7. CDII solicits comments on recommendations from the DSA P&P Subcommittee; and
- 8. CDII drafts amendments to appropriate P&Ps in collaboration with the DSA P&P Subcommittee in Q1, considering input from the IAC
- 9. CDII solicits public comment on the amendments following the procedures required by the Development of and Modifications to Policies and Procedures P&P in Q2
- 10. CDII revises the draft amendments in response to public comment and publishes amended P&P(s) in Q2 as the new annual cycle is beginning again
- 11. Amendments become effective, no less than 180 days after publication as required by the Development of and Modifications to Policies and Procedures P&P (the Standards Subcommittee may recommend more time)



Feedback on Process



 What questions regarding the process do you have?

 What adjustments would you recommend CDII consider?

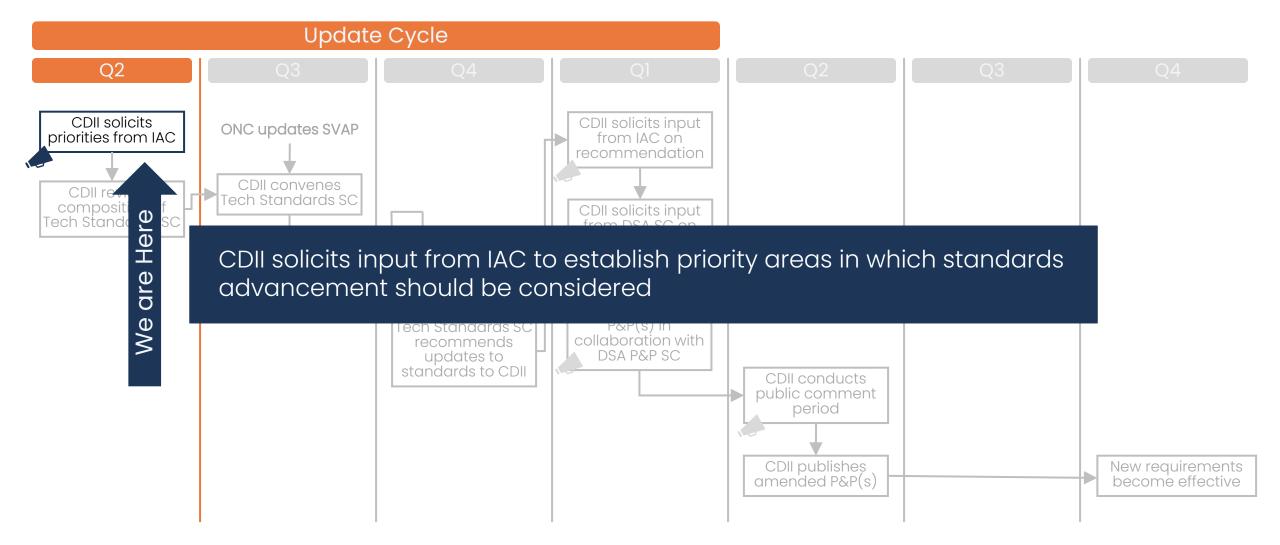




Technical Standard Priorities



Process Summary





Current Data Standards

Data element and format requirements might be revised as amendments to the Data Elements to Be Exchanged P&P



- Health care providers are required to exchange EHI they Maintain, including elements of USCDI v2
- Health insurers and health care service plans, including managed care plans, are required to exchange claims, encounters, and clinical data in USCDI v2 they Maintain
- Most other Participants are required to exchange all data elements in USCDI v2 they Maintain
- Participants may exchange HSSI using HL7 v2.5.x messages, CDA R2 documents, or FHIR R4.0.1 resources





Current Exchange Standards

Exchange type and standards requirements might be revised as amendments to the Technical Requirements for Exchange P&P



- All Participants must support query-based exchange using the same IHE standards currently specified in TEFCA
- Participants that create HSSI in response to an order or referral must support push-based exchange using the same IHE standards currently specified in TEFCA
- Hospitals and EDs must provide timely notifications of admissions and discharges to any authorized Participant that submits a roster of Individuals (SNFs optional); no standards are specified
- Other standards are allowed if agreed to by both parties





2024 Technical Standard Priorities

Considering the identification and adoption of new technical requirements may take more than 18 months, what priorities should be considered in 2024 for implementation in 2025 or 2026?



- Are there sufficient advancements in social services data standards to prioritize them?
- Are there additional health data elements that should be exchanged?
- Are there new exchange types that should be considered for the DxF?
- What gaps exist in DxF today?
- Where are opportunities for California to lead?





While IAC may have knowledge of technical standards, the request is to prioritize topics for the Technical Standards SC and identify expertise its membership must include.

DxF Impact Measurement Priorities



Reminder: Why Impact Measurement?

Primary Objective



Determine whether the purpose and goals of the DxF are being met.

Secondary Objectives



Communicate the value of the DxF to Participants, Individuals, legislators, and other stakeholders.



Identify the DxF components that are working well and areas in need of improvement.

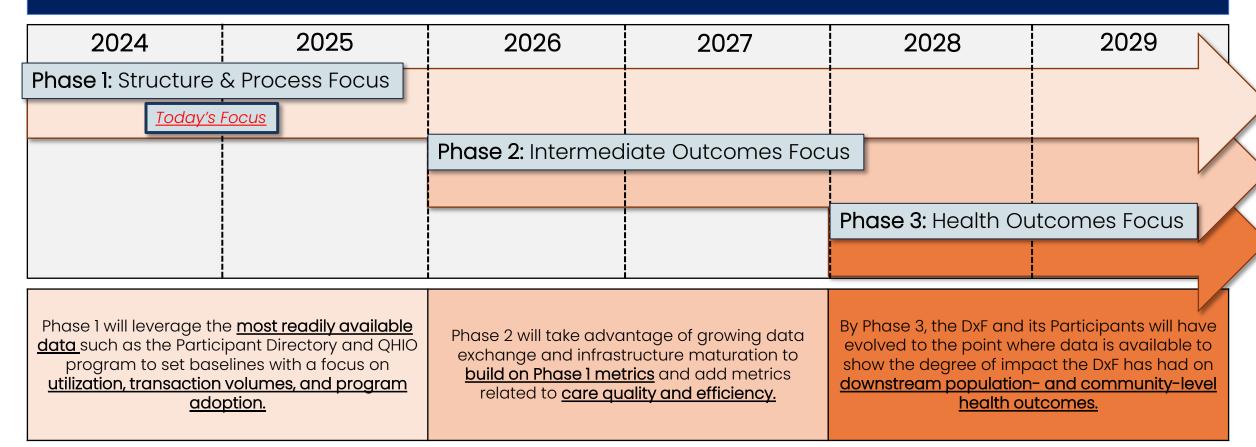


Identify future opportunities to expand and/or extend the DxF.



DxF Impact Measurement Phasing

A phased approach will allow for rapid launch of measurement efforts to set programmatic baselines, while permitting longer runways to assess impact on key downstream outcomes.





Phase 1: Proposed High Priority Metrics

High-priority metrics are those that leverage more readily available data and that are expected to have high accuracy and reliability.

Domain	Metric	Data Source	Stratifications
	Number of DSA Signatories at a point in time	DSA Signing Portal / DxF Participant Directory	Organization Category Type, Date of Exchange Start ('24/'26)
Signatory Characteristics	Number of DSA Signatories using each available exchange modality (e.g., QHIO, national network), for each DxF transaction type	DxF Participant Directory	DxF Transaction Type, Organization Category Type
QHIO Utilization	Number of unique individuals in each QHIO's master patient index (MPI) with a CA ZIP code	QHIO Program	QHIO
	Number of unique individuals in the ADT rosters sourced by each QHIO.	QHIO Program	QHIO
QHIO Transaction Volumes	Number of ADT events received by each QHIO from acute care facilities, emergency deptartments and skilled nursing facilities.	QHIO Program	QHIO



Phase 1: Proposed High Priority Metrics (cont.)

High-priority metrics are those that leverage more readily available data and that are expected to have high accuracy and reliability.

Domain	Metric	Data Source	Stratifications
	Number of signatories awarded grants	CDII	Organization Type; TA vs. QHIO Onboarding; Eligibility for Enhanced Funding
	Amount (\$) of funding awarded and/or disbursed	CDII	Organization Type; TA vs. QHIO Onboarding
Grants	Number of signatory grantees that committed to achieving each grant milestone option as a condition of participation	CDII	Grant Milestone/Outcomes
	Number of signatory grantees that met each grant milestone, and associated amount (\$) of funding disbursed.	CDII	Grant Milestone/Outcomes
	Number of educational grantees (one-time report out)	CDII	NA
	Number of education + training activities implemented by educational grantees (one-time report out)	CDII	NA



Phase 1: Additional Metrics

These remaining metrics are those that require additional vetting on feasibility and accuracy with QHIOs and other stakeholders.

Domain	Metric	Data Source	Stratifications
	Number of intra-QHIO queries initiated by the QHIO for a DSA Signatory	QHIO Program	QHIO
	Number of successful and unsuccessful inter-QHIO queries initiated by the QHIO for a DSA Signatory	QHIO Program	QHIO
	Number of successful and unsuccessful national network queries initiated by the QHIO for a DSA Signatory	QHIO Program	QHIO
QHIO	Number of information delivery transactions sent by the QHIO for a DSA Signatory	QHIO Program	QHIO
Transaction Volumes	Number of information delivery transactions sent by the QHIO to another QHIO for a DSA Signatory	QHIO Program	QHIO
	Number of ADT Notifications sent by the QHIO to its DSA Signatory participants. (Does not include notifications forwarded to another QHIO)	QHIO Program	QHIO
	Number of requests to the QHIO for individual access from individuals with a CA ZIP code	QHIO Program	QHIO
	Number of information transactions between QHIOs and social service organizations	QHIO Program	QHIO



Phase 1: Additional Metrics (cont.)

These remaining metrics are those that require additional vetting on feasibility and accuracy with QHIOs and other stakeholders.

Domain	Metric	Data Source	Stratifications
Signatory Characteristics	Percentage of mandatory DSA Signatories that are required to sign the DSA, that have signed the DSA	DSA Signing Portal	Organization Category Type
	Perceptions of data availability	Provider Survey	Type of Respondent
Participant and Stakeholder Perceptions ¹	Perceptions of ADT Notification process	Provider Survey	Type of Respondent
ocanonioladi Forooptionio	Perceptions of data quality	Provider Survey	Type of Respondent

¹ Specific metrics to be defined. CDII is exploring opportunities to leverage existing surveys deployed by other departments/associations.



For Discussion: Impact Measurement Phase 1 Metrics



- 1. What reactions do you have to the proposed set of Phase 1 metrics?
- 2. Are there any proposed metrics that should be considered especially high priority?
- 3. Are there other domains or metrics that should be considered for inclusion in phase 1?
- 4. One of CalHHS' Guiding Principles is a Focus on Equity. How might the DxF impact measurement approach reflect this focus on equity?



Public Comment



Next Steps and Closing Remarks



Next Steps

CDII will:

- Consider the feedback provided by the IAC.
- Incorporate IAC feedback into impact measurement approach and metrics.
- Continue to advance P&P and QHIO materials and, where applicable, solicit public comment.

Members will:

Provide any additional feedback to CDII at dxf@chhs.ca.gov



CDII DxF Webpage Resources

For more information on the DxF, please visit the CDII DxF webpage.

There you can find:

- The DxF, DSA, and P&Ps;
- Information about the QHIO and DxF Grant programs;
- · Materials from previous and upcoming meetings, webinars, and listening sessions;
- FAQs on the DxF;
- Link to the DSA Signing Portal; and
- DSA Signatory List that Includes Participant Directory Fields.
- And more!



Upcoming Meetings

IAC Meetings	Date
IAC Meeting #16	July 11, 2024, 12:30 PM - 3:00 PM
IAC Meeting #17	August 29, 2024, 11:00 AM – 1:30 PM
IAC Meeting #18	November 7, 2024, 12:30 PM – 3:00 PM

DSA P&P Subcommittee Meetings	Date
DSA P&P SC Meeting #15	June 7, 2024, 11:00 AM – 1:30 PM
DSA P&P SC Meeting #16	July 31, 2024, 12:00 PM - 2:30 PM
DSA P&P SC Meeting #17	September 25, 2024, 12:00 PM – 2:30 PM
DSA P&P SC Meeting #18	December 5, 2024, 12:30 PM – 3:00 PM

TASC Meetings	Date
TASC Meeting #2D	June 4, 2024, 2:00 PM – 3:00 PM

^{*}Note: Additional TASC meetings are being scheduled throughout 2024.

Grants Office Hours	Date
Grants Office Hour	June 13, 2024, 11:00 AM – 12:00 PM
Grants Office Hour	July 31, 2024, 9:00 AM – 10:00 AM

^{*}Note: Registration for Grants Office Hours is required and can be found on https://dxf-dsagrants.com/

