



Data Exchange Framework

Information is Power Webinar Series

August 24, 2023

Webinar 11

Demystifying the DxF:
Real World Exchange Scenarios



Presenter Introductions

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Q&A Procedure

- Please submit your questions through the Zoom Q&A function.
- CDII will select questions to be answered live during the webinar as time allows.
- If your question was not answered during the session and you would like to follow up with CDII, please submit it to cdii@chhs.ca.gov.

Agenda



- Vision for Data Exchange in California
- Data Exchange Framework (DxF) Program Updates
- Demystifying the DxF: Exchange Scenario
- DxF: How Public Health Relates
- Wrap-up & Q&A

Vision for Data Exchange in California



The Vision for Data Exchange in California

Once implemented across California, the Data Exchange Framework (DxF) will create 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 Program Updates



DxF this Month

Since our last *Information is Power* webinar on July 25, 2023, CDII and stakeholders have continued to advance DxF implementation across several domains.



Governance

- The next Implementation Advisory Committee (IAC) meeting will be held on August 28, 2023. The meeting will include updates on the DxF Participant Directory, Data Sharing Agreement Signatory Grants, the Qualified Health Information Organization (QHIO) Application, and Policies & Procedures (P&Ps) under development.



DSA P&P Development

- CDII released two amended Policies and Procedures (P&Ps) for public comment on 8/23 (*see detail in subsequent slides*)
- CDII finalized several new P&Ps in June and July 2023.



DxF Grants

- Round 2 to apply for a DSA Signatory Grants is open! If you have signed the DSA and can demonstrate a health information technology need, you are eligible to apply.
- Round 2 applications are due September 1st at 11:59pm.



QHIO

- CDII will soon be accepting applications from organizations that would like to be considered to become a Qualified Health Information Organization (QHIO).
- CDII will hold Q&A sessions on this application following its release.

Draft P&Ps Released for Public Comment

CDII is inviting public comment on drafts of the below P&Ps through Monday, September 18, 2023 (at 8 AM PT).

P&P Topic	Description
Privacy Standards and Security Safeguards (Amendment)	Describes privacy standards and security safeguards Participants must comply with in connection with the exchange of HSSI under the DSA.
Requirement to Exchange Health and Social Services Information (Amendment)	Establishes the responsibilities of Participants to respond to requests for Health and Social Services Information (HSSI) pursuant to the Data Exchange Framework.

Draft P&Ps and submission instructions are available on the [DxF website](#)

DSA Signatory Grants Update

CDII is administering \$47M in grants to support signatories in implementing the DxF. Round 2 is now open – DSA signatories are now invited to apply!



For Required Signatories:

- Round 1: May 16 to June 15, 2023
(**Closed**, Award Notifications were sent August 14, 2023)

For Required and Voluntary Signatories:

- Round 2: June 30 to September 1, 2023, 11:59pm PT
- Round 3 dates to be announced.

		Application Windows					
		Q2 2023			Q3 2023		
		April	May	June	July	August	September
Expedited Rounds Open to Organizations Who Implement by 2024			Round 1				
	Full Rounds Open to All Eligible Organizations				Round 2		

CDII has expanded eligibility for Round 2.

Who Must Sign the DSA?

#	Required Signatory Type*
1	General acute care hospitals, as defined by Health and Safety Code (HSC) section 1250.
2	Physician organizations and medical groups.
3	Skilled nursing facilities, as defined by HSC section 1250, that currently maintain electronic records.
4	Health care service plans and disability insurers that provide hospital, medical, or surgical coverage that are regulated by the Department of Managed Health Care or the Department of Insurance. This section shall also apply to a <u>Medi-Cal managed care plan under a comprehensive risk contract</u> with the Department of Health Care Services pursuant to Chapter 7 (commencing with Section 14000) or Chapter 8 (commencing with Section 14200) of Part 3 of Division 9 of the Welfare and Institutions Code that is not regulated by the Department of Managed Health Care or the Department of Insurance.
5	Clinical laboratories, as that term is used in Section 1265 of the Business and Professions Code, and that are regulated by the Department of Public Health.
6	Acute psychiatric hospitals, as defined by HSC section 1250.

*Organizations were required to sign by January 31, 2023 regardless of whether they must begin sharing data by January 31, 2024 or January 31, 2026.

Mandatory Signatories Should Sign the DSA Immediately

Mandatory signatories were required to execute the DSA by January 31, 2023. We encourage those who have not yet signed the DSA to do so as soon as possible.

WHERE TO SIGN THE DSA



The screenshot shows the CalHHS Data Sharing Agreement Signing Portal. At the top left is the CalHHS logo and the text "CalHHS Data Sharing Agreement Signing Portal". Below this is a heading "Welcome to the CalHHS Data Sharing Agreement Signing Portal!". The main text reads: "Signing the Data Sharing Agreement is a critical next step toward full implementation of the Data Exchange Framework. It's time to ensure every Californian, no matter where they live, can trust that their health and social services providers can securely access critical patient information to provide safe, effective, whole person care." At the bottom, there is a section titled "Data Sharing Agreement" with a button that says "Register to Start".

WHERE TO FIND MORE INFORMATION

More information is available on the CalHHS DxF [website](#), including:

- Final DSA
- Policies & Procedures (P&Ps)
- FAQs on the DSA, P&Ps, and Signing Portal
- Historical Meeting Materials & Recordings
- List of DSA Signatories

Contact CDII if your organization has questions or concerns about signing.

I signed the Data Sharing Agreement...now what?

Apply for DSA Signatory Grants

- DxF DSA Signatories that require additional support and capabilities to meet their DSA requirements are eligible to apply for a [DSA Signatory Grant to help offset costs of relevant Technical Assistance or QHIO Onboarding investments](#).

Resource – DxF Educational Grantees

- CDII is working with DxF Educational Grantees to support signatories in meeting DxF DSA requirements.
- Organizations should reach out to one of CDII's DxF Education Grantees (see next slide) to learn more about the DxF.

Prepare to Meet Data Exchange Expectations

- Broaden your knowledge of the DxF by reading the [DSA and its P&Ps](#).
- Understand what information you have to exchange and when you have to start exchanging
- Ensure you have the technical capabilities needed to exchange (e.g., by assessing current technology capacity and determining whether you need to upgrade or onboard new technology to meet DxF requirements).

Join the CDII Mailing List

Educational Initiative Grantees

Eight grantee associations are providing direct and tailored education to various DxF participant groups

Educational Initiative Grantees	Contact	Website	Signatory Type
Multi-Association Initiative led by America's Physician Groups (APG)	DxFeducation@connectingforbetterhealth.com	Multi-Association DxF Microsite	Physicians (Group Practices/Family Physicians/etc.), Aging Providers, Skilled Nursing Facilities (includes nursing homes and ICFs), Health Information Exchanges
California Medical Association	DxFQuestions@cmadocs.org	CMA DxF Microsite	Physician Organizations, Medical Groups
California Primary Care Association	grants@cpcac.org	CPCA DxF Microsite	FQHCs
The County Health Executives Association of California	Admin@cheac.org	CHEAC DxF Microsite	Local health departments
California Association of Health Plans	info@calhealthplans.org	CAHP Website	Health insurance plans
Leading Age California Foundation	info@leadingageca.org	Leading Age DxF Microsite	Skilled Nursing Facilities, Health Plans, Community-Based Organizations
American Academy of Pediatrics, California Chapter 1	info@aapcal.org	AAPCA1 Website	General acute care hospitals, Physician organizations and medical groups, Acute psychiatric hospitals, Community-based organizations providing social services, Behavioral health providers, County health, social services, and public health, Other health care entities
California Council of Community Behavioral Health Agencies	response@cccbbha.org	CBHA Website	Community-Based Organizations Behavioral Health Providers

Demystifying the DxF: Exchange Scenario



Data Exchange Framework

"The Data Exchange Framework will create new connections and efficiencies between health and social services providers, improving whole-person care."

Common Questions:

- How does the DxF impact what we experience today?
- How will the DSA Policies and Procedures shape the DxF experience?
- Can you make the DxF 'real' for me?

The Vision for Data Exchange in California

Once implemented across California, the Data Exchange Framework (DxF) will create 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.



 DATA EXCHANGE
FRAMEWORK

6

DSA and P&P Impact

The DSA and its P&Ps define the who, what, when, why and how of data exchange

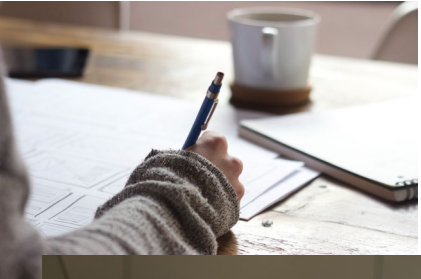
- Who** → **DSA** signatories participate in data exchange
 - What** → **Data Elements to Be Exchanged** defines the data to be shared
 - When** → **Real-Time Exchange** defines the timeliness of exchange
 - Why** → **Permitted, Required and Prohibited Purposes** defines reasons for exchange
 - How** → **Technical Requirements for Exchange** defines the types of data exchanges between participants
- Privacy Standards and Security Safeguards** defines the protections that are applied during exchange

The Story of Mark



- Mark has been struggling to make ends meet. He has moved from job to job over the past several years and rarely has enough money to pay the rent or the grocery bill. Mark's sister is worried about his situation – particularly his health. She encourages him to go to the local Federally Qualified Health Center (FQHC) to get a checkup.
- As part of its normal process, the FQHC conducts social determinants of health screening. Mark screens positive for food insecurity. Based on that finding, the primary care provider recommends two referrals: one to the local food bank and another to a nutrition education organization. The provider asks Mark's permission to share his name and contact information with the two organizations, and Mark agrees.

Making Connections



- The FQHC works closely with local healthcare and community organizations. The FQHC has been a member of a Health Information Exchange organization for years and has signed the DSA. Their HIO is also a DSA Signatory and is an applicant to become a Qualified HIO.
- The FQHC uses the HIO to exchange data with other health care providers. The FQHC also recently became a member of a Community Information Exchange (CIE) to exchange information with community-based organizations. Both the HIO and CIE have signed Business Associate Agreements (BAAs) with the FQHC.



How the DSA and P&Ps Relate

Signing the DSA establishes the FQHC, the HIO and CIE as Participants in the Data Exchange Framework.

If qualified, the HIO will operate under the QHIO program established by the Qualified Health Information Organization P&P.

The Privacy Standards and Security Safeguards P&P recognize the obligations of Business Associate Agreements.

Creating Community



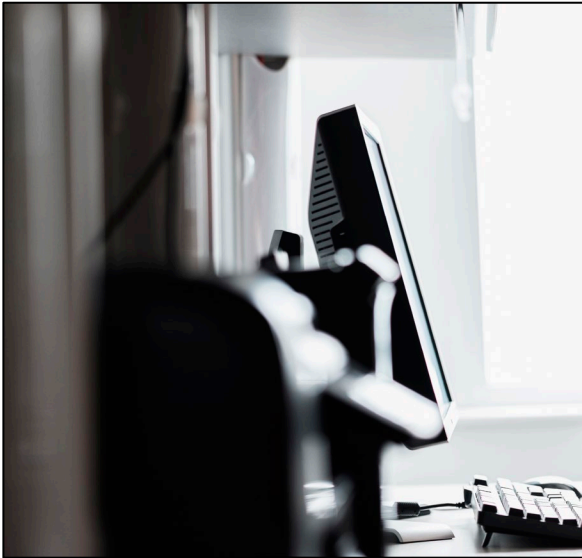
- The local food bank and nutrition education provider recommended to Mark are also members of the CIE. The CIE and the nutrition education organization see great value in the DxF and opted to sign the DSA. Through DxF data exchange, they are now able to better coordinate services for their clients.
- The primary care provider's referral (Mark's name and contact information) was sent to the food bank and the nutrition education provider via the CIE. Mark was encouraged to reach out to both organizations.

While many organizations are required to sign the DSA, it is also available to voluntary signatories.

The Required, Permitted and Prohibited Purposes P&P establishes referrals as a Permitted Purpose for exchange.

The Technical Requirements for Exchange P&P defines the standards used to send information from one Participant to another.

A Path Forward



- Mark followed through on the referrals, learning more about nutrition than he ever expected.
- Following Mark's session, the nutrition education provider sent information back to the FQHC – again via the CIE – informing the primary care provider that Mark had received nutrition education and was better informed about how to maintain his health going forward.

The Requirement to Exchange Health and Social Services Information P&P establishes the nutrition education provider's requirement to respond.

The Data Elements to Be Exchanged P&P defines the data to be shared.

The Real-Time P&P defines the timeliness of response.

The Privacy Standards and Security Safeguards P&P protects the data throughout the exchange.

DSA and P&P Impact

The DSA and its P&Ps define the who, what, when, why and how of data exchange

- Who** → **DSA** signatories participate in data exchange
 - What** → **Data Elements to Be Exchanged** defines the data to be shared
 - When** → **Real-Time Exchange** defines the timeliness of exchange
 - Why** → **Permitted, Required and Prohibited Purposes** defines reasons for exchange
 - How** → **Technical Requirements for Exchange** defines the types of data exchanges between participants
- Privacy Standards and Security Safeguards** defines the protections that are applied during exchange

DxF: How Public Health Relates





California's Data Exchange Framework (DxF): How Public Health Relates

Dana E. Moore, MPH, CPH
Deputy Director
Center for Health Statistics and Informatics



Data Exchange (DxF) Framework



- 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.
- Once the *policies are* implemented across California *via Health Information Exchange Networks/Technologies/Platforms*, the Data Exchange Framework (DxF) will create new connections and efficiencies between health and social services providers, improving whole-person care.

DxF: What It Is and Isn't

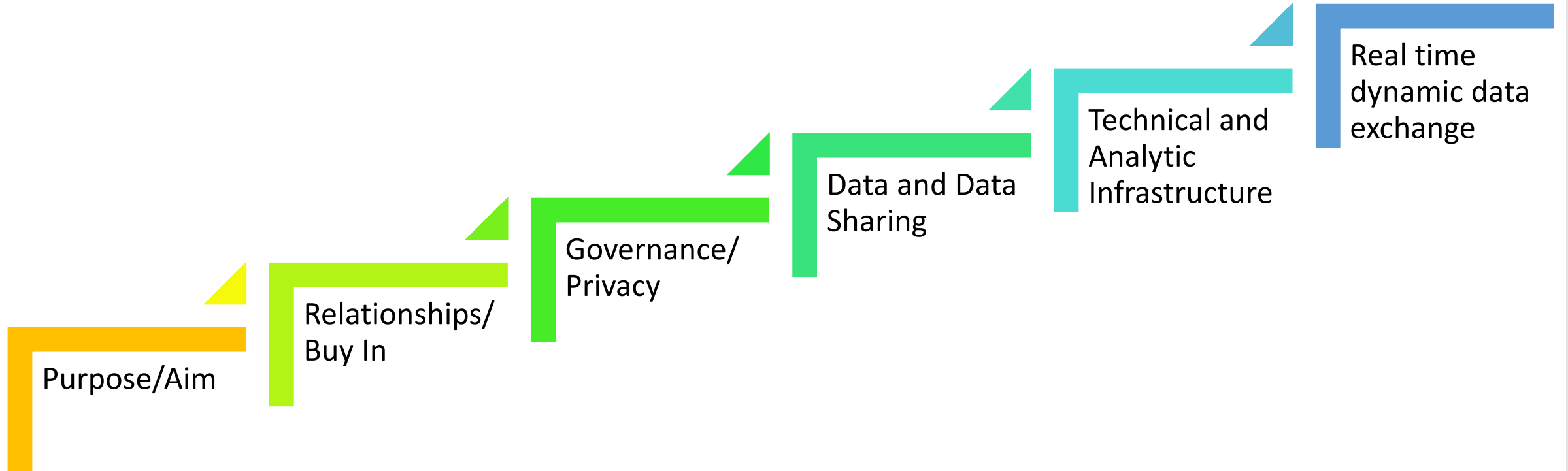
What The DxF Is

- Policies and Procedures that govern the exchange of health and social services information
- Guidance and requirements for how to share data with other Participants/Signatories
- Statutory language that permits sharing between entities
- A signatory participant directory

What The DxF Is Not

- A data lake, database, data warehouse
- A technology, a tech application, system, platform, or API
- An HIE/HIO
- A connection to EHR/EMR
- [Note: items are all from the DxF FAQ Doc 6.22.23](#)

Data Exchange Framework Intent and Opportunities



Data Exchange Framework Limitations

- Some systems may not be able to have real time sharing within the first year (possibly longer)
 - ***'Real Time' in the first year: without intentional or programmatic delay***
- May not always get chief complaint or final diagnosis as part of the data exchanges
- Not updated regularly or in a consistent way
- Imports static files, does not provide or guarantee a live stream of dynamic data
- May be role-based, which protects privacy and limits access to data users

Participants in the DSA



Required Signatories

- General acute care hospitals;
- Physician organizations and medical groups;
 - *Behavioral health
- Skilled nursing facilities;
- Health care service plans and disability insurers;
- Clinical laboratories; and
- Acute psychiatric hospitals

Voluntary Signatories

- Additional health care and social services providers including:
 - Counties/government
 - Community-based organizations
 - Emergency medical services
- **CDPH Genetic Disease Lab

Operationalizing the DxF



○ Require real-time access to, or exchange of, [health and social services information]... **through any health information exchange network, health information organization, or technology that adheres to specified standards and policies.”**

○ Need to have the **ability and capacity** to **exchange** with all Participants **upon request**

Per Health and Safety Code § 130290:

○ Many Participants will use an intermediary to exchange health and social services information, such as:

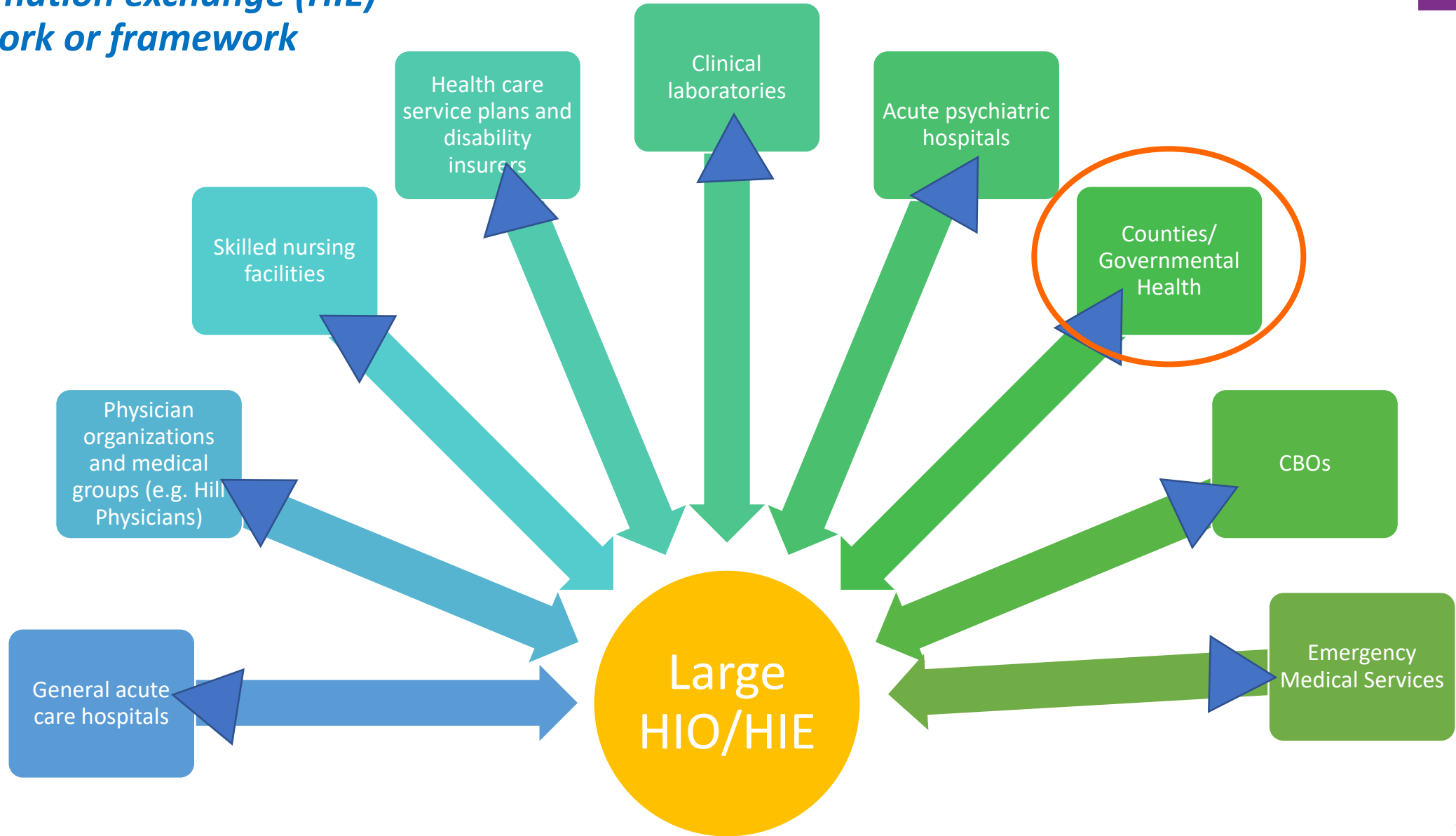
- A **nationwide health information exchange (HIE) network** or framework:
 - eHealth Exchange, CareQuality, CommonWell Health Alliance
- An **intermediary**:
 - Health information organization (HIO) or Qualified HIO (QHIO)
 - Homegrown or other technology solutions or point-to-point connections.
- NOTE:
 - QHIOs (as defined in the DxF statute) are not yet available
 - CDII is presently working on the application and polices related to QHIOs.
 - QHIOs ≠ QHIN

Operationalizing the DxF: National Networks

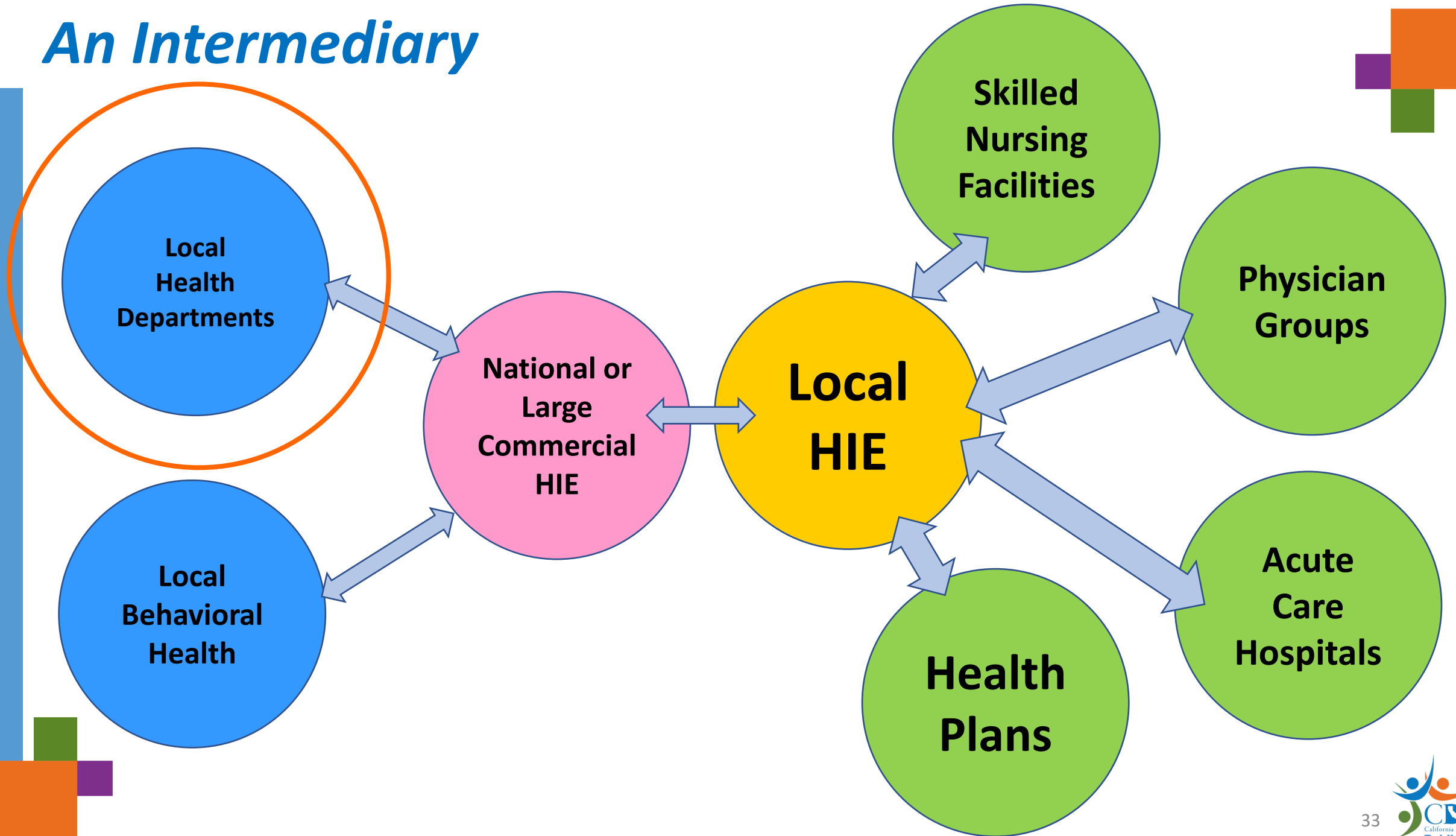
- Nationwide networks and frameworks may be most common among large health systems
 - May be supported by large EHRs
- May require significant investment and expertise of an IT organization
- Will likely include ONC's Trusted Exchange Framework once operational
- Some Participants/signatories may choose a nationwide network
- Nationwide networks support Request for Information and Information Delivery for TPO and sometimes Public Health



A nationwide health information exchange (HIE) network or framework



An Intermediary



Local Funding Opportunities

- The DxF Data Sharing Agreement (DSA) Signatory Grants Round 2 application window is now **open to all DSA Signatories** through **September 1, 2023** by 11:59pm PT (opened June 30, 2023)
 - Round 3 Dates For DSA Signatory Grants: ~October-December 2023
- DSA Signatories who demonstrate a Health Information Technology (HIT) need in order to meet DxF requirements, may submit an application in Round 2 regardless as to whether they are required or voluntary signatories to the DSA.
- LHJs would apply for Technical Assistance Grants
- CDII resources are available at <https://www.cdii.ca.gov/committees-and-advisory-groups/data-exchange-framework/>

Technical Assistance Grants

- The “build your own” pathway.
- Achieve at least one of the following required outcomes:
 - Identified and contracted with a technology solution
 - Implemented a technology solution capable of supporting real-time data exchange
 - Adjusted, upgraded, or adopted an electronic documentation system
 - Created or provided training for new workflows
- Applicants are responsible for identifying technical or operational solutions to achieve DSA requirements.
- Grantee receives and manages the funds directly.
 - Baseline funding for LHJs: \$25,000
 - Enhanced funding for LHJs: \$50,000 (Serving underserved communities AND no Cal-HOP funding)

Wrap-up & Q&A



Question & Answer



Stay Involved

1 Join our next *Information is Power* webinar on October 3, 2023 from 2:00 PM – 3:00 PM PT

2 Participate in upcoming DxF meetings.

- IAC Meeting #9: August 28, 2023, 1:00 PM – 2:00 PM PT
- DSA P&P Subcommittee Meeting #10 (tentative): September 27, 2023, 1:00 PM – 3:30 PM PT

Meeting materials, participant information, and recordings will be posted on the CalHHS DxF website

3 Join the mailing list by emailing cdii@chhs.ca.gov

CDII welcomes suggestions for future webinar topics.

DxF Website Resources

For more information on the DxF, please visit our [Website](#).

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 Data Sharing Agreement; and
- Link to the DSA Signing Portal.