Data Exchange Framework

2024 Standards Committee Meeting #2

Members are strongly encouraged to **enable their video** to foster increased interaction and discussion.

Friday, October 18, 2024

1:00 PM – 2:00 PM PT

CalHHS

CENTER FOR DATA INSIGHTS AND INNOVATION

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.

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Agenda

1:00 PM
Welcome

1:05 PM
Informational Item: Framing the Discussion of Event and Notification Standards

1:10 PM
Discussion Item: Content Standards for Notifications

1:50 PM
Public Comment

1:55 PM
Next Steps and Closing Remarks

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2024 Standards Committee Members

| Name	Organization
Rim Cothren (Chair)	Center for Data Insights and Innovation
Ray Duncan	Cedars-Sinai Health System
Jonathon Feit	Beyond Lucid Technologies, Inc
Danielle Friend	EHRA
Evelyn Gallego	EMI Advisors
Dave Green	PointClickCare
John Helvey	SacValley MedShare
Sheljina Ibrahim Kutty	Elevance Health
Mani Nair	Blue Shield of California
Tim Polsinelli	Manifest MedEx
Ken Riomales	CalMHSA

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Public Comment Opportunities

Public comment will be taken during the meeting at the approximate time listed on the agenda and limited to the total amount of time allocated for public comment.

Members of the public may also use the Zoom's Q&A feature to ask questions or make comments during the meeting, or can email their questions or comments to DxF@chhs.ca.gov.

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What We Heard on September 27, 2024

1. Advance the requirement in DxF for all Participants from USCDI version 2 to USCDI version 3 no later than January 1, 2026, to align with the federal requirement.

   o The Committee specifically recommended its application to all DxF Participants even though ONC requirements only apply to healthcare providers.

2. Do not name a specific USCDI version in DxF P&Ps, but instead ensure DxF remains aligned with federal requirements for USCDI as they are advanced by ONC.

3. Provide more than six months runway for Participants to implement USCDI version 3.

   o Do not delay the implementation date beyond ONC's January 1, 2026.

   o Instead, finalize any amendment to P&P(s) as early as possible to maximize available implementation time.
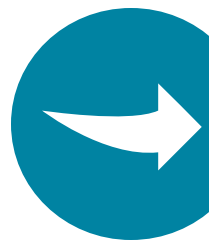
Next Steps: Based on Standards Committee recommendation , CDII will begin the DSA P&P amendment process to update the USCDI standard to V3.

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Framing the Discussion of Event and Notification Standards

Technical Requirements for Exchange P&P

3a. Hospital and Emergency Department Participants

    i.   *Participants that are Hospitals or Emergency Departments must send Notification of ADT Events unless prohibited by Applicable Law.*

3b. Other Participants Sending Notifications of ADT Events

    i.   *Participants that are skilled nursing facilities are encouraged to [send Notifications of ADT Events] using the same methods as Hospitals or Emergency Departments.*

Definition: "Admit, Discharge, Transfer (ADT) Event" means, at a minimum, admission to a Hospital or Emergency Department, discharge from a Hospital or Emergency Department, or transfer from a Hospital or Emergency Department to another healthcare facility in which the admission, discharge, or transfer reflects an actual change in patient status, including cancellations of an admission, discharge, or transfer. ADT Events may include intra-facility transfers if requested by the Participant and supported by the Hospital or Emergency Department.

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Aligning on Terminology

- **Recipient:** An organization seeking to receive Notifications of Events for Individuals with whom they have a relationship.

- **Roster:** Developed by a Subscriber, a list of Individuals for whom the Subscriber would like to receive Notifications. The Roster may be updated from time to time.

- **Originator:** The Originator is the source of Events that Subscribers request to be notified of. Events will often occur at an Originator's facilities.

- **Event:** An encounter, transition, or other change in status that significantly impacts an Individual's health, or the transaction automatically generated by an EHR or other system upon such a change in status.

- **Intermediary:** An organization that receives Events from an Originator, matches Event to Individuals on Subscriber Rosters and, sends Notification(s) to Subscriber(s) in real-time.

- **Notification:** The transaction sent to the Subscriber(s), making them aware of the Event.

Basic Event Notification Data Flow
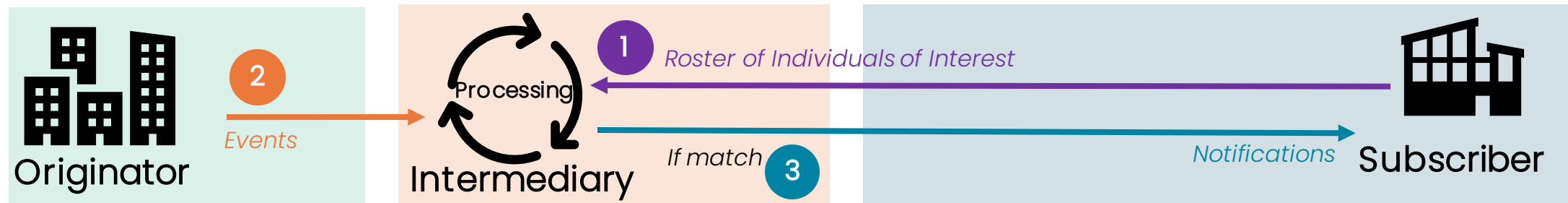
In the initial DxF use case:
- Hospitals, EDs, and SNFs may be the origin of admission and discharge events;
- Any Participant may submit a roster to subscribe to notifications; and
- Originating facilities may process events and roster to send notification or choose to use an Intermediary such as a QHIO.

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Sequence of Discussions

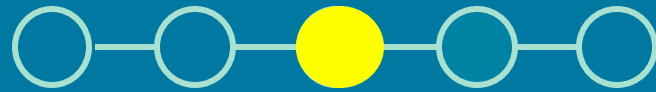**1. Content standards for Notifications**

Today

2. Content standards for Events

3. Format and transport standards for Notifications

4. Format and transport standards for Events

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Content Standards for Notifications

Content Standards for Notifications

Many organizations have developed approaches manage event notifications. Two are shared today as illustrative of the goals and approach for notifications:

DxF Community Sandbox

- A learning environment that supports organizations participating in the DxF. The Sandbox is a real-world testing environment for DxF Participants to identify, test, and validate data exchange implementation strategies.

DirectTrust

- DirectTrust is a consensus-driven organization that develops standards for health data exchange. DirectTrust developed and implemented the Direct Standard to support Direct Secure Messaging. DirectTrust also developed an Implementation Guide for Event Notifications via the Direct Standard.

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Illustrative Content Recommendations

Message Information	Sandbox	DirectTrust
Sending facility	Y	
Date/time of message	Y	
Sending facility	Y	
Event trigger		Y
Transaction ID		Y

Event Information	Sandbox	DirectTrust
Date/time of event	Y	Y
Event reason	Y	
Facility at which event occurred	Y	Y
Facility identifier (e.g., NPI)	Y	Y

Patient Identity Information	Sandbox	DirectTrust
Already established by DxF P&P		

Insurance Information	Sandbox	DirectTrust
Insurance Plan ID	Y	Y (if known)
Insurance Company ID	Y	Y (if known)
Insurance Company Name	Y	Y (if known)
Plan Type	Y	Y (if known)

Visit Information	Sandbox	DirectTrust
Patient class	Y	Y
Facility name		Y
Admission type	Y	Y
Reason for admission	Y	Y
Attending doctor	Y (if known)	
Referring doctor	Y (if known)	
Admit source	Y (if known)	
Admitting doctor	Y (if known)	
Visit number	Optional	Y
Discharge disposition	Y	Y (if known)
Discharged location	Y	Y (if known)
Admit date/time	Y	Y
Discharge date/time	Y	Optional

Diagnosis Information	Sandbox	DirectTrust
Diagnosis Code	Y	Y (if known)
Diagnosis Description	Y	Y (if known)
Diagnosis Type	Y	Y (if known)

Human Readable Content

To ensure that any Recipient of a Notification, regardless of their ability to process an HL7 V2.5.1 message or any other allowable attachment, the DirectTrust Implementation Guide requires the following minimum data content be sent as a part of a human-readable body of the message:

- Notification type
- Event date/time

- Patient name
- Patient date of birth
- Patient gender

- Treating facility
- Diagnosis (if known)
- Admission type (if known)
- Admission reason (if admission)

- Admitting provider NPI, name, phone or email address (if known)
- Attending provider NPI, name, phone or email address (if known)
- Consulting provider NPI, name, phone or email address (if known)

For Discussion: Content Standards for Notifications

- What should the standard for the content of a notification be under the DxF?

- Which elements of the defined standard should be required, required if known, or optional under the DxF?

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Public Comment

Public Comment

- Members of the public must "raise their hand" and Zoom facilitators will unmute each member of the public for them to share comments.

- 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 start of their remarks.

Logged into Zoom
If you logged on via Zoom interface
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

Phone Only
If you logged on via phone-only
Press "*9" on your phone to "raise your hand"
Listen for your phone number to be called by the moderator
If selected to share your comment, please ensure you are "unmuted' on your phone by pressing "*6"

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Next Steps and Closing Remarks

Upcoming Meetings

Standards Committee	Date
Meeting #3	Monday, October 28, 2024, 12:00 PM – 1:00 PM PT
Meeting #4	Thursday, November 21, 2024, 12:00 PM – 1:00 PM PT
Meeting #5	Monday, December 2, 2024, 12:00 PM – 1:00 PM PT
Meeting #6	Thursday, December 19, 2024, 12:00 PM – 1:00 PM PT

Note: Additional Committee meetings may be scheduled, if required.
Meeting information will be posted to the CDII DxF web page once confirmed.

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