Data Exchange Framework

Technical Advisory Subcommittee (TASC) Meeting #2B

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

Tuesday, May 7, 2024

2:00 PM – 3:00 PM PT

CalHHS

CENTER FOR DATA INSIGHTS AND INNOVATION

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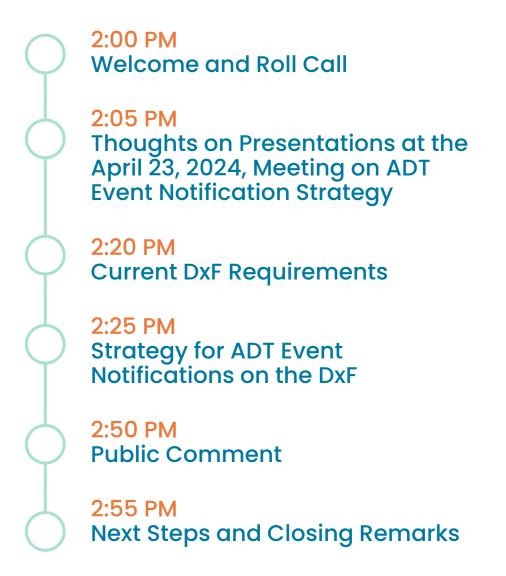
The DxF is California's first-ever statewide Data Sharing Agreement (DSA) that requires the secure and appropriate exchange of health and human services information to enable providers to work together and improve an individual's health and wellbeing.

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Agenda

2:00 PM
Welcome and Roll Call

2:05 PM
Thoughts on Presentations at the April 23, 2024, Meeting on ADT Event Notification Strategy

2:20 PM
Current DxF Requirements

2:25 PM
Strategy for ADT Event Notifications on the DxF

2:50 PM
Public Comment

2:55 PM
Next Steps and Closing Remarks

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TASC Members

Name	Organization
Rim Cothren (Chair)	Center for Data Insights and Innovation
Cindy Bero	Manatt Health Strategies
Hans Buitendijk	Oracle (EHRA)
Cassie-Ann Bush	Adventist Health
Sarah DeSilvey	Gravity Project
Mohit Ghose	Anthem Blue Cross
Prashant Gupta	LabCorp
John Helvey	SacValley Medshare

Name	Organization
Kimberly Krause	Providence Administrative Consulting Services
Michael Marchant	UC Davis
Chris Muir	Office of the National Coordinator for Health IT
Ken Riomales	CalMHSA
Jess Sanford	California Department of Public Health
Hanan Scrapper	People Assisting the Homeless (PATH)
Joe Sullivan	California EMS Authority
Brian Thomas	Alameda County

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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 April 23, 2024

- Event Notification Services in Massachusetts (presented by Mass General Brigham) describing outbound notifications using HL7 ADT messages and inbound notifications via Direct secure messaging using many payload types to be processed and inserted into the EHR, with some payloads that could not be processed;

- Patient Centered Data Home® (PCDH) describing a network that forwards HL7 ADT messages to HIEs serving a patient's ZIP code which might be followed by a request for information to learn more;

- An implementation guide for event notifications developed by DirectTrust describing a technical content specification for notifications not dependent upon Direct secure messaging for transport;

- Bamboo Health event notification services describing a robust process for managing patient rosters and ADT messages and the lessons learned from the experience with many organizations; and

- Learnings from the ADT notifications use case from the DxF Sandbox describing a model implementation and the need for content standards for HL7 ADT messages and flexibility in the standards used to send notifications to those that request them.

? **Which aspects of the guest presentations did you find appealing or lacking, and which aspects should we consider applying to notifications on the DxF?**

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Strategy for ADT Event Notifications on the DxF

Current DxF Requirements
Technical Requirements for Exchange P&P

The Technical Requirement for Exchange P&P establishes the obligations of DxF Participants pertaining to ADTs.

- Notifications of admissions and discharges are required of hospitals and emergency departments (EDs), the intermediaries they use including all QHIOs, and are encouraged for skilled nursing facilities (SNFs).

- Any DxF participant may request notifications by submitting a roster of individuals for whom notifications are desired compliant with person matching standards.

- Hospitals, EDs, and SNFs are not required to use to any specific network or technology, but may use their own technology, QHIO, other intermediary, or nationwide network that supports notifications.

- Hospitals, EDs, and SNFs are not required to follow any specific technical standard, but may use any secure method and payload compliant with DxF security requirements and acceptable to the requesting participant.

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Adapted from ADT section of Technical Requirements for Exchange P&P

Current DxF Requirements
QHIO ADT Event Notification Service

The 2023 QHIO Application outlined the ADT service requirements of QHIOs.

QHIOs must receive, process, and forward admission and discharge notifications from hospitals, EDs, and SNFs with capabilities introduced over time:

Each QHIO must:

1. Receive HL7 version v2.5.1 ADT messages from their participating hospitals, EDs, and SNFs.
2. Receive and maintain a roster of persons from DxF participants who seek to monitor admissions and discharges for these persons.
3. Securely share rosters with other QHIOs so that these other QHIOs can also monitor for events on these individuals.
4. Match incoming events to persons found on rosters from their participants or a QHIO.
5. Notify requesting participants or QHIOs when an event matches a person listed their roster.

Summarized from 2023 QHIO Application

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Discussion Questions

1. Is use of a common technology, network, or hub required to make notifications effective or efficient?

2. Should notifications be sent based on a roster of individuals or some other mechanism like that used by PCDH?

3. Should there be specific requirements or technical standards for the content of notifications? What should they be?

4. Should there be specific requirements or technical standards for how notifications are delivered? What should they be?

5. Is there a role for ambulatory providers or other DxF participants in sending notifications of other events such as encounters?

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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.

If you logged on via <u>Zoom interface</u>

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

If you logged on via <u>phone-only</u>

Press "*9" on your phone to "raise your hand".

Listen for your <u>phone number</u> 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

Members to:

- Think on what technical or operational standards need to be identified and adopted to make notifications effective.

- Try sketching a picture of how the best parts of California and other initiatives might be combined into a better model for DxF.

Upcoming Meetings

TASC Meeting Series	Date
Meeting #2C: ADT Notification Strategy Developing a Straw Model	May 21, 2024, 2:00 PM – 3:00 PM
Meeting #2D: ADT Notification Strategy Final Recommendation	June 4, 2024, 2:00 PM – 3:00 PM

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Note: Additional TASC meetings are being scheduled. Meeting information will be posted to the CDII DxF webpage once confirmed.