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Bidirectional Data Exchange

Texas Immunization Registry
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Topics We Will Cover



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- Bidirectional Announcement
- Establishing a Bidirectional Connection
- Resources
- Summary (Takeaways)
- Registry Contact Information

Acronyms

Terminology we will use in this presentation:

- Bidirectional data exchange = BiDX
- Texas Immunization Registry = Registry
- Providers, health care entities, and organizations = Orgs



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Announcement

Overview

- On June 26, 2020, the DSHS announced the registry is capable for BiDX.
 - Gives Orgs six months to prepare for January 1, 2021.
- Prioritized Orgs
 - Reporting high quality data (90% acceptance rate)
 - Pharmacies
 - Schools and universities



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Announcement -Eligibility

- Accepting requests from all Orgs with Certified Electronic Health Record Technology and authorized to access the registry.
- Two registrations are required to participate:
 - Registering with ImmTrac2 as an authorized Org, and
 - Registration of Intent (ROI) to implement BiDX.



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Eligibility (continued)

- Promoting Interoperability Program Participants
 - Must be actively engaged with the registry during their reporting period,
 - Must complete the registry's two registrations, and
 - Must complete ROI no later than 60th day of reporting period the first year they want to report to the registry.



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Establishing a BiDX Connection

Overview

Step 1. Preparation

Step 2. Registration of Intent (ROI)

Step 3. Testing

Step 4. Production



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Step 1 - Preparation

- Orgs must review the below items **PRIOR** to contacting the registry for the ROI:
 - Texas Immunization Registry HL7 2.5.1 Implementation Guide
 - Bidirectional Readiness Checklist
 - Texas Immunization Registry HL7 2.5.1 Error Guide
 - Texas Immunization Registry – Consent Overview
- All these are available on the DSHS [website](#).



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Bidirectional Readiness Checklist (1 of 4)



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Registry Prerequisites

- All locations, including sub-sites, are registered or up to date.
- Headquarters Org signed a Data Use Agreement.
- All locations have active ImmTrac2 users.
- Identify your BiDX implementation team.
- Review data exchange webinars or trainings (*coming soon*).

Bidirectional Readiness Checklist (2 of 4)



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Readiness Qualifications

- Existing Data Exchange Orgs
 - Data does not have data quality issues or errors.
 - Data quality issues or errors must be resolved prior to submitting the ROI.
 - To determine reporting acceptance rate, access the Texas Immunization Provider Summary (TIPS) Report in ImmTrac2 under the “generate reports”.

Bidirectional Readiness Checklist (3 of 4)



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Readiness Qualifications (*continued*)

- All Orgs
 - Send data in HL7 Version 2.5.1 Release 1.5 messages.
 - Electronic Health Records (EHR) vendor can do BiDX.
 - EHR vendor has completed all system upgrades to perform BiDX and is ready to begin testing.
 - Can send affirmation of registry consent via web services.

Bidirectional Readiness Checklist (4 of 4)



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BiDX Testing Qualifications

- Identified BiDX testing team and subject matter experts to oversee, perform and complete testing.
- Ensured team can dedicate the necessary time fully to testing.
- Developed training for staff on registry consent.
- Developed training for staff on BiDX and new workflows.
- Identified EHR vendor staff to support BiDX setup.

Step 1: Preparation - Next Steps



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- Once an Org successfully completes the Bidirectional Readiness Checklist, only then must they contact the registry.
- Registry will:
 - Verify an Orgs readiness,
 - Provide information on the ROI, and
 - Provide information on the next steps.

Step 2 – ROI (1 of 2)

- Org submit a ROI for BiDX, which is new and separate from previously submitted ROIs.
- Used to:
 - Identify the Org establishing a BiDX connection,
 - Identify the points of contacts for the Org who will lead the BiDX connection,



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ROI (2 of 2)

- Used to *(continued)*:
 - Identify the Org's BiDX capabilities and method (query/reporting), and
 - Obtain the Orgs agreement to adhere to registry policies.

Step 3 – Testing (1 of 3)

During testing, Orgs ensure the:

- Web service connection functions correctly,
- HL7 messages are formatted correctly,
- Data quality issues are resolved timely,
- Data that resulted in error is resubmitted once fixed, and
- Registry's response to their EHR is viewable to the end user (clinical staff).



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Testing (2 of 3)



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- The registry provides Orgs with:
 - Information on how to connect to the registry's test environment,
 - Test scenarios that must be completed successfully, and
 - Technical Support (as needed).

Testing (3 of 3)



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- Orgs must:
 - Identify date of last batch/FTP submission,
 - Backup their historical batch/FTP submission, and
 - Successfully complete testing *prior* to moving onward.

Step 4 - Production

- Orgs receive information on how to connect to the registry's production environment.
- When in production, Orgs must:
 - Monitor the connection regularly,
 - Review and address data quality errors promptly,
 - Resubmit data once corrected,



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Production (continued)

- When in production, Orgs must:
 - Ensure a high quality of the data sent to the registry, and
 - Adhere to all registry policies to maintain access to the registry's data.

Registry Resources

- ImmTrac2 Website
 - <https://immtrac.dshs.texas.gov/TXPRD/portalHeader.do>
- DSHS Website
 - <https://dshs.texas.gov/immunize/ImmTrac/>



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Guides, Training Videos & Webinars



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- How to complete a site registration or renewal in ImmTrac2
- Run or retrieve reports in ImmTrac2
- Add and manage clients and immunization in ImmTrac2
- Identify or address Org or ImmTrac2 user data quality issues
- Setup and maintain a data exchange connection
- Identify or addressing HL7 data quality issues
- *More resources coming soon...*

Publications



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- Registry Consent Forms.
- Registry posters and brochures.
- Vaccine related publications.
- Many items can be ordered from DSHS at no cost to the Org.

Summary (1 of 2)

- Review the Bidirectional Readiness Checklist.
- Review the DSHS website for registry resources and information.



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Summary (2 of 2)



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- Connecting to the registry for BiDX requires four steps:
 - Preparation,
 - ROI,
 - Testing, and
 - Production.

Registry Contact Information

- Phone:
 - Currently not available due to staff teleworking.
- Emails:
 - ImmTrac2@dshs.texas.gov
 - ImmTracMU@dshs.texas.gov



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Thank you

ImmTracMU@dshs.texas.gov