



Indiana
Department
of
Health

AGENCY UPDATE: DARTT

Nov. 30, 2023

OUR MISSION:

**To promote, protect, and improve
the health and safety of all Hoosiers.**

OUR VISION:

**Every Hoosier reaches optimal health
regardless of where they live, learn,
work, or play.**



Purpose and Goals

Purpose

- To update IDOH on the progress and impacts of our data and technology strategy and its benefits to public health

Goals

- Deliver an overview of our data and technology vision
- Review key projects and articulate public health benefits
- Communicate how we can partner to better your programs and divisions and enforce a data-driven culture

Agenda:

- **DARTT Review**
- **Key Projects**
- **Data-Driven Wins**
- **What to Expect**
- **Q&A**

DARTT - Overview



What is DARTT?

- Data, Analytics, Reporting, and Technology Transformation
- Data transformation initiative supporting IDOH's 2021-2025 Strategic Plan
- Ensure IDOH's **data** and **technology** capabilities are prepared for future pandemics or public health emergencies.

Why and why now?

- Challenges brought on by COVID-19
- Increased recognition that data is an enterprise asset
- IDOH made a collaborative effort to reevaluate their data processes and activities

How will this Impact Hoosiers?

- Improving the scalability, efficiency, and interoperability of IDOH's data and technology systems
- More effectively respond to public health needs on the verge or in the process of impacting citizens and to supply decision-makers with data
- Move from **reactionary** to **proactive** and increase rapid response capacity
- **At the end of the day, to put us in a better position to increase our abilities to promote, protect, and improve the health and safety of all Hoosiers**

IDOH Division Leads

Office of Data & Analytics

Office of Technology & Cybersecurity

DARTT: Core Themes

Technology
and Data
Governance

Strategy
Management

Financial
Stewardship

Organizational
Design

Service
Planning

Operations

Security
and Disaster
Recovery

OTC
Applications
Management

Data
Management
& Analytics

Project and
Portfolio
Management

Key Projects

ODA

- ACE
- COVID-19 Migration
- PHADS
- Data Governance

OTC

- PMO (PIP)
- Application Portfolio Modernization
- App Cloud Migration
- DevOps (CI/CD)
- MuleSoft (API)

Data Governance Toolkits: Data Quality

Data Quality Toolkit

What is it?

- Set of resources and compilation of tools to maintain data
- By following these principals, you'll create data you can trust to make decisions for your program or division

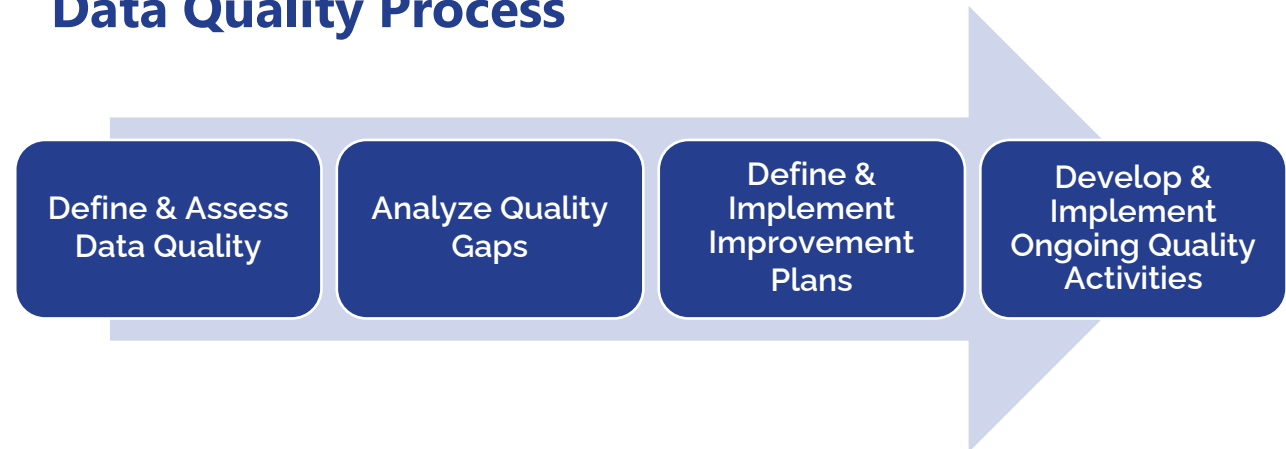
Use this toolkit when ...

- Starting a new data quality initiative
- You have a desire to increase **confidence** and **trust** in data

Where/When it's available:

- Under review for distribution

Data Quality Process



Tools and Frameworks

- Data Quality Assessment
- Quality Checklists & Principals
- Healthcare Frameworks (CDA, DMBOK, EHR)

Data Governance Toolkits: Data Sharing

Data Sharing Toolkit

What is it

- A reference guide for how to safely and quickly share data within IDOH
- Before now, every data sharing agreement followed its own principals. Using this framework will allow for efficient data sharing

Use this toolkit when ...

- Setting up a new data sharing agreement between divisions or partners
- You have a desire to exchange information

Where/When it's available:

- Under review for distribution

SHARE Guideline



STOP



GO!

**Sniff Offices
Team People**



Technology and Data Wins



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Wastewater Monitoring

Did You Know?

SARS-CoV-2, the virus that causes COVID-19, can be shed in the feces of both symptomatic and asymptomatic individuals.

Wastewater surveillance can be used as a tool to test for RNA from SARS-CoV-2.

There is no information to date that anyone has become sick with COVID-19 because of direct exposure to treated or untreated wastewater.

How it Works



Wastewater Monitoring

Benefits

- Can serve as an early warning system
- Track known variants
- A way to monitor disease over time
- Provides information on an entire community
- Help direct resources
- Can complement other COVID-19 surveillance systems

Advantages

- Non-invasive
- Inexpensive
- Large data pool
- Unbiased
- Includes both symptomatic and asymptomatic individuals
- Data on communities where testing is underused or unavailable



Indiana COVID-19 Wastewater Dashboard

Below results are as of 11/14/2023. Dashboard updated by 5 p.m. every Wednesday.

Hide Dashboard Explanation

Dashboard Explanation

The Wastewater Surveillance System is a public health tool to understand the spread of COVID-19 in the state.

The Indiana Department of Health (IDOH) is working with wastewater plant operators throughout the state to test untreated wastewater for SARS-CoV-2, which is the virus that causes COVID-19.

Since people infected with SARS-CoV-2 can shed the virus in their stool (even if they don't have symptoms), wastewater surveillance can serve as an early warning that COVID-19 is spreading in the community. This allows communities to act quickly to prevent the spread of COVID-19.

Wastewater testing is useful in understanding the spread of COVID-19 since it does not depend on people having access to healthcare, seeking healthcare when sick, or getting tested for COVID-19. However, wastewater surveillance is not a substitute for people to get tested for illnesses.

Click the buttons at the top of the dashboard for wastewater data and information from additional sources.

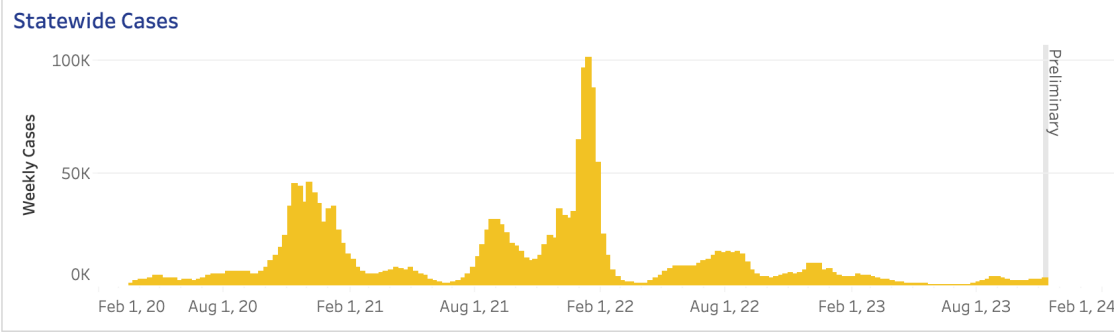
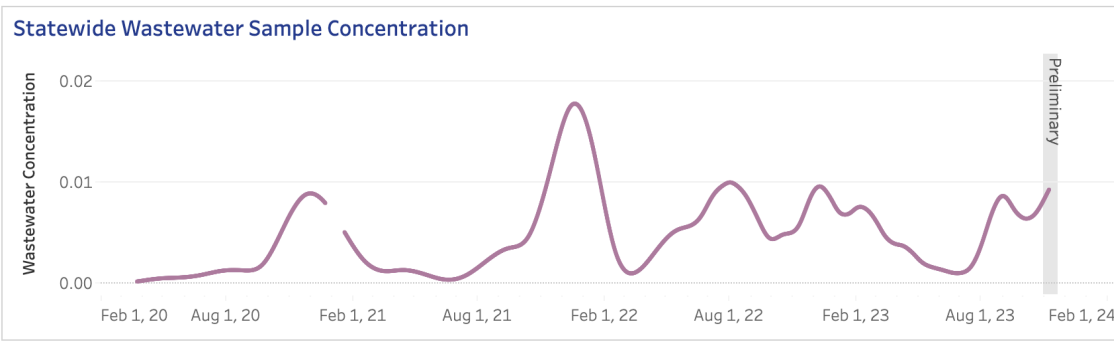
Number of Active Wastewater Treatment Plants
21
Statewide

Population Served by Active Wastewater Treatment Plants
1,929,100
Statewide

Wastewater Treatment Plant Locations

Select a preparedness district to filter page metrics.
 Current statewide wastewater trend: **Increasing**

- Active Sites
- No samples in the past 2 weeks or Withdrawn from program
- Decreasing
- Transitioning
- Increasing
- No Trend Available



All numbers are provisional and reflect only those reported to IDOH. Numbers should not be characterized as a comprehensive total and may change as more data is reported. Wastewater data is provided to IDOH by CDC National Wastewater Surveillance System, with additional data from Biobot Analytics.



Project Management Office

IDOH is standing up a PMO Framework to provide and manage a unified process for project intake and provide oversight of active projects.

Visibility to Existing Projects

Consistent Prioritization Practices

Standard Processes and Services

Manage Increasing Strategic IDOH Projects



Project Management Office



Effective organizations cannot sustain unplanned and uncontrolled intake of new project work while being able to maintain day-to-day operations and successfully deliver projects. A process must be implemented that identifies and documents new projects, assesses their priority and expected resource requirements, and allows leadership to determine if and when a project should be undertaken. IDOH has implemented a new Project Request Process that will provide this oversight.

Request a Project	Project Life Cycle	Resources for Project Managers
<p>Portfolio Review Board</p> <p>IDOH has created a governance entity called the Portfolio Review Board to provide oversight of the of the new Project Request Process. The board is made up of members of IDOH executive leadership and chaired by the chief of staff. The board will meet on the 20th of every month to review projects proposed. The deadline to submit a project prior to a board meeting is 2 weeks or the project request will go on the following month's agenda. The meeting agenda may also include a review of projects already presented where additional information was requested by the board to facilitate the review. Finally, the agenda may also include project change requests that are of sufficient size or scope to require the board to review and approve the change.</p>		

What to Expect in 2024

ODA and OTC are positioning DARTT to operationalize data and technology solutions for IDOH.

Upcoming Milestones and Events:

On-Prem to Cloud	Artificial Intelligence	Local Health Departments	State Public Health Data Advisory Committee	Analytics Cloud Environment (ACE)
<ul style="list-style-type: none">• Modernizing Deveopment Practices	<ul style="list-style-type: none">• Defining IDOH Stance and Policies	<ul style="list-style-type: none">• Support and Grow Relationships• HFI Support and Initiative	<ul style="list-style-type: none">• Ensure Data Quality and Safety	<ul style="list-style-type: none">• Hands-on Usage of Data• Creating Use Cases

Q&A

**Data, Analytics, Reporting,
and Technology Transformation
(DARTT)**

<https://www.in.gov/health/thenervec/enter/digital-transformation-initiative/>

