DATA Board Meeting

Connecticut Data Analysis and Technology Advisory Board
November 10, 2022 Meeting

Agenda

- Welcome and Introductions

- Draft 2023 – 2024 State Data Plan

- Open Data and GIS Portal updates

- Interagency Data Sharing

- Adjourn

Welcome and Introductions

DATA Board role, powers and duties

CGS Sec. 2-79e:

The board shall have the following powers and duties:

(1) To advise the executive, legislative and judicial branches of government and municipalities concerning data policy, including, but not limited to, best practices in the public, private and academic sectors for data analysis, management, storage, security, privacy and visualization and the use of data to grow the economy;

(2) to advise the Office of Policy and Management regarding the online repository established under section 4-67p;

(3) to issue reports and recommendations in accordance with section 11-4a;

(4) upon the request of at least two members of the board, to request any agency data officer or agency head to appear before the board to answer questions;

(5) to request from any executive department, board, commission or other agency of the state such assistance and data as necessary and available to carry out the purposes of this section;

(6) to make recommendations to the legislative leaders and the directors of the Offices of Fiscal Analysis and Legislative Research regarding data analysis skills and related expertise that the leaders and said offices may seek to cultivate among their staff through training or as a consideration when hiring staff; and

(7) to establish bylaws to govern its procedures.

2023 – 2024 State Data Plan
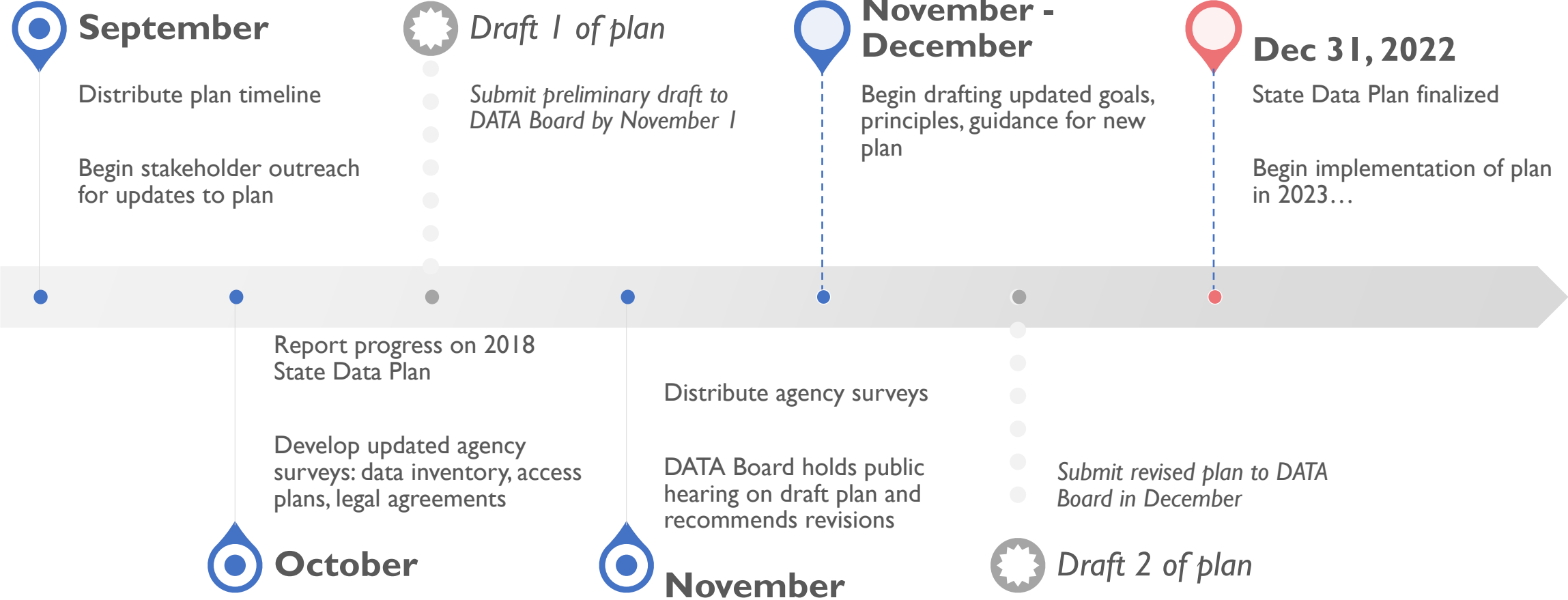
What is the state data plan?

According to [section 4-67p](#) of the Connecticut General Statutes:

"The state data plan shall

(1) establish management and data analysis standards across all executive branch agencies,

(2) include specific, achievable goals within the two years following adoption of such plan, as well as longer term goals,

(3) make recommendations to enhance standardization and integration of data systems and data management practices across all executive branch agencies,

(4) provide a timeline for a **review of** any state or federal legal concerns or other obstacles to the **internal sharing of data among agencies**, including security and privacy concerns, and

(5) set goals for improving the online repository established pursuant to subsection (i) of this section.

Each state data plan shall provide for a procedure for each agency head to report to the Chief Data Officer regarding the agency's progress toward achieving the plan's goals. Such plan may make recommendations concerning data management for the legislative or judicial branch agencies, but such recommendations shall not be binding on such agencies."

State Data Plan Update – Draft Milestones

September

Distribute plan timeline

Begin stakeholder outreach for updates to plan

Draft 1 of plan

Submit preliminary draft to DATA Board by November 1

November - December

Begin drafting updated goals, principles, guidance for new plan

Dec 31, 2022

State Data Plan finalized

Begin implementation of plan in 2023…

Report progress on 2018 State Data Plan

Develop updated agency surveys: data inventory, access plans, legal agreements

October

Distribute agency surveys

DATA Board holds public hearing on draft plan and recommends revisions

November

Submit revised plan to DATA Board in December

Draft 2 of plan

Milestones based on section 4-67p of Connecticut General Statutes

2023 – 2024 state data plan: goals and metrics

Improve and increase relevance of the open data portal and related tools

- *Primary metrics:*
  - Site traffic, including to data stories and dashboards and other tools to reach a wider audience
  - Frequency and consistency of updates, particularly to high-value or high-priority data
  - Increased consistency in collecting and reporting of demographic data across agencies
  - Increased number and percentage of public datasets that are disaggregated by factors like race, ethnicity, gender, etc., and by the intersection of one or more of those factors
  - Improved availability of metadata and documentation for high-value datasets

Ensure that the data lifecycle promotes equity, particularly racial equity, wherever possible

- *Primary metrics:*
  - Increased contribution to and use of shared resources and guidance documents
  - Agency participation in training or capacity-building efforts

Improve use of data to inform decision-making

- *Primary metrics:*
  - Reduced time to fulfill interagency data requests, including the time to complete interagency agreements and the time to match and analyze data
  - Improved customer experience for data requestors
  - Increased usage and specific instances of change where data sharing was used to inform policy and practice

2023 – 2024 state data plan: implementation steps

Improve access to data

- Improve navigation and access for datasets on core state programs and services
- Improve access to Census data and quality of Census population data, through collaboration and support for the Census State Data Center
- Identify process improvements for timeliness, completeness, quality and standardization of parcel, property and address data statewide, through the GIS Office
- Improve metadata for open data and GIS data to provide additional context

Support agency capacity

- Identify opportunities for coordination with new Bureau of Information Technology Services (BITS) to support principles and implementation of State Data Plan, including to align data, privacy and security processes and resources
- Develop a 'knowledge hub' for shared processes and tools for state agency use to improve onboarding and reduce the impact of staff turnover
- Analyze existing state agency capacity and identify models for efficient use of limited staff resources
- Identify tools for
- Identify tools for incorporating equity into the data lifecycle for agencies to use
- Identify opportunities for training, skill-building and career pathways to build capacity for existing state analytical and GIS staff

Using data for decision-making

- Continue use of learning agendas to identify and enable action on state priorities for analysis and research
- Report progress on the P20 WIN learning agenda and data request process to identify areas for further process improvement and use of data to answer key agency policy and research questions
- Continue support for efforts to improve collection and standardization of race, ethnicity and language data and to share health and human services data, as identified in the Five-Year Statewide Health IT Plan and updated REL standards.
- Build on and learn from successful models for evidence-building, evaluation and impact through pandemic-related funds
- Identify options to address legal and technical questions on consent management to improve provision of services and safe, ethical and secure data sharing

Open Data and GIS Updates

Geospatial Open Data Clearinghouse

Workgroup meeting bi-weekly.

Reviewing other states' clearinghouses and synthesizing results.

Gathering GIS community needs

Working through technology procedures, changes, and challenges.

Interagency Data Sharing

OVERVIEW

- [P20 WIN](#) is Connecticut's state longitudinal data system and is the mechanism by which data from multiple agencies are matched to address critical policy questions. P20 WIN informs sound policies and practice through secure sharing of longitudinal data across participating agencies to ensure that individuals successfully navigate supportive services and educational pathways into the workforce.

- P20 WIN is a federated data system that has been operational since 2014. P20 WIN is used to answer policy questions, fulfill federal and state reporting requirements; support program review; inform school districts of postsecondary outcomes; provide employment and wage outcome data; and support research and analysis on a variety of topics.

P20·WIN

MEMBERSHIP

- **Participating Agencies**
  - Department of Labor (DOL) – Also the Data Integration Hub
  - State Department of Education (SDE)
  - Office of Early Childhood (OEC)
  - CT State Colleges and Universities (CSCU)
  - University of Connecticut (Uconn)
  - Department of Social Services (DSS)
  - Department of Children and Families (DCF)
  - Office of Higher Education (OHE)
  - CT Conference of Independent Colleges (CCIC)
  - CT Coalition to End Homelessness (CCEH)
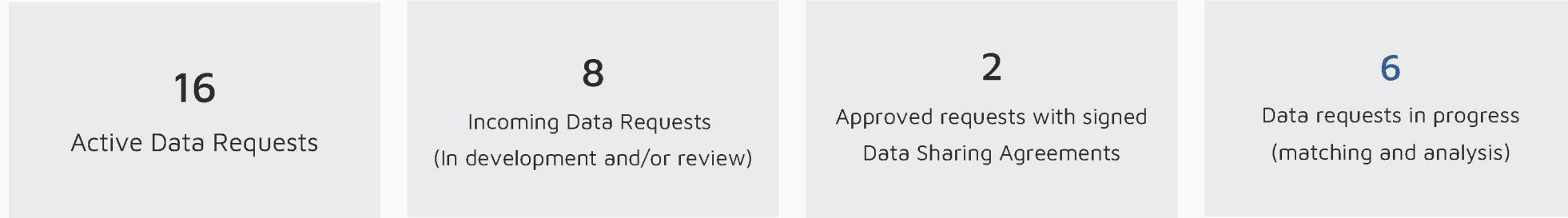 - Department of Mental Health and Addiction Services (DMHAS)

P20·WIN

LEARNING AGENDA

The **P20 WIN Learning Agenda** reflects the priority issues and burning questions of the State of Connecticut and P20 WIN Participating Agencies. The topics and questions in the Learning Agenda are used to prioritize and inform data requests to P20 WIN.

- **College and Career Success**: to support placement decisions at colleges and universities

- **Student Readiness**: to analyze transitions between early childhood and K-12 schools, to include social services, child welfare, housing, family life and adult education

- **Financial Aid**: the dynamics and outcomes for state financial aid grant recipients

- **Workforce Training**: measuring the net impact and return on investment for public workforce training programs

- **Overcoming Barriers to Success**: using data to help individuals who face barriers to success due to factors like homelessness or engagement with the child welfare system
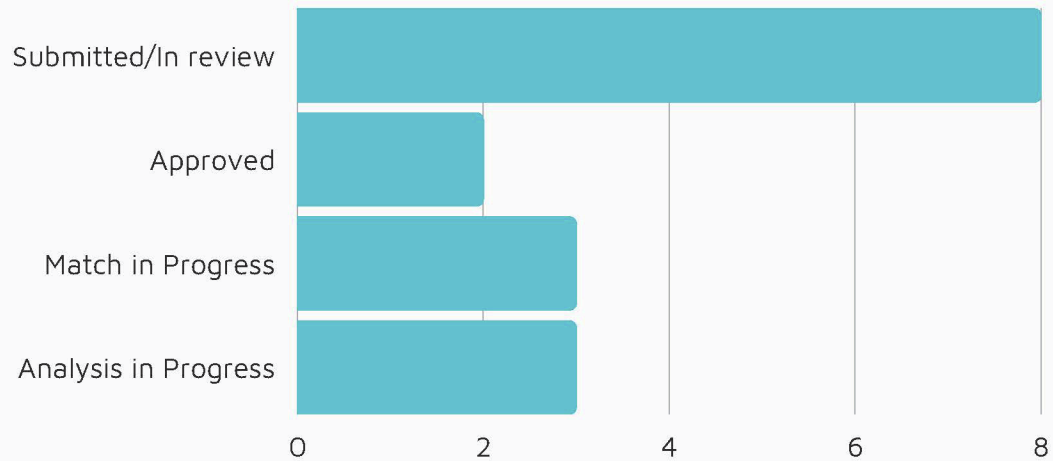
P20·WIN

P20 WIN Data Request Dashboard
(as of 09/01/2022)

16
Active Data Requests

8
Incoming Data Requests
(In development and/or review)

2
Approved requests with signed
Data Sharing Agreements

6
Data requests in progress
(matching and analysis)

Request Process
Number of data requests in different phases of the request process

Submitted/In review	8
Approved	2
Match in Progress	3
Analysis in Progress	3

Data Requests by Learning Agenda topic

College/Career Ready	2
Student Readiness	3
Financial Aid	1
Workforce	7
Barriers to Success	4

Adjourn

Thank you!

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Appendix

2021 – 2022 state data plan: goals and metrics

Improve and increase relevance of the open data portal and related tools

- *Primary metrics:*
  - Site traffic
  - Frequency and consistency of updates and metadata, particularly for high-value / high-priority data

Ensure that the data lifecycle promotes equity, particularly racial equity, wherever possible

- *Primary metrics:*
  - Consistent standards for data collection
  - Increased disaggregation of data
  - Improved metadata
  - Increased outreach and engagement with residents and nonprofits

Improve use of data to inform decision-making

- *Primary metrics:*
  - Reduced time to complete data sharing agreements
  - Improved customer experience for data requestors
  - Number of research partnerships
  - Examples of use of data to inform policy and practice

2021 – 2022 state data plan: implementation steps

COVID-19 response and recovery

- Prioritize access to high-value datasets on open data portal
- Improve the user experience with better navigation, user-friendly tools (like data stories), more consistent documentation
- Increase use of automated feeds to the portal and reliable update schedules
- Coordinate with planning efforts for health information technology and state information technology infrastructure
- Improve access to, coordination and management of the geospatial data for response to future emergencies

Equity in the data lifecycle

- Improve standards and documentation for gender identity, sex, race / ethnicity and other dimensions
- Develop user-friendly processes to request and access state data
- Increase reporting and disclosure of data by factors such as race, ethnicity and gender, and their intersections, within the appropriate guidelines
- Increase the formal and informal avenues for resident involvement in the data lifecycle
- Improve access to, coordination and management of the geospatial data for understanding disparities by place

Using data for decision-making

- Implement uniform interagency data sharing protocol, based in 2Gen efforts
- Use Data Sharing Playbook to support process improvements
- Build on use cases, such as Governor's Workforce Council and 2Gen
- Pursue skill and capacity-building opportunities
- Improve documentation to facilitate research partnerships
- Continue expanding P20 WIN system
- Continue supporting efforts to improve health data infrastructure
- Continue supporting efforts to improve service delivery