

# CONNECTICUT STATE DATA PLAN

Summary of November 9, 2020 Draft 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.

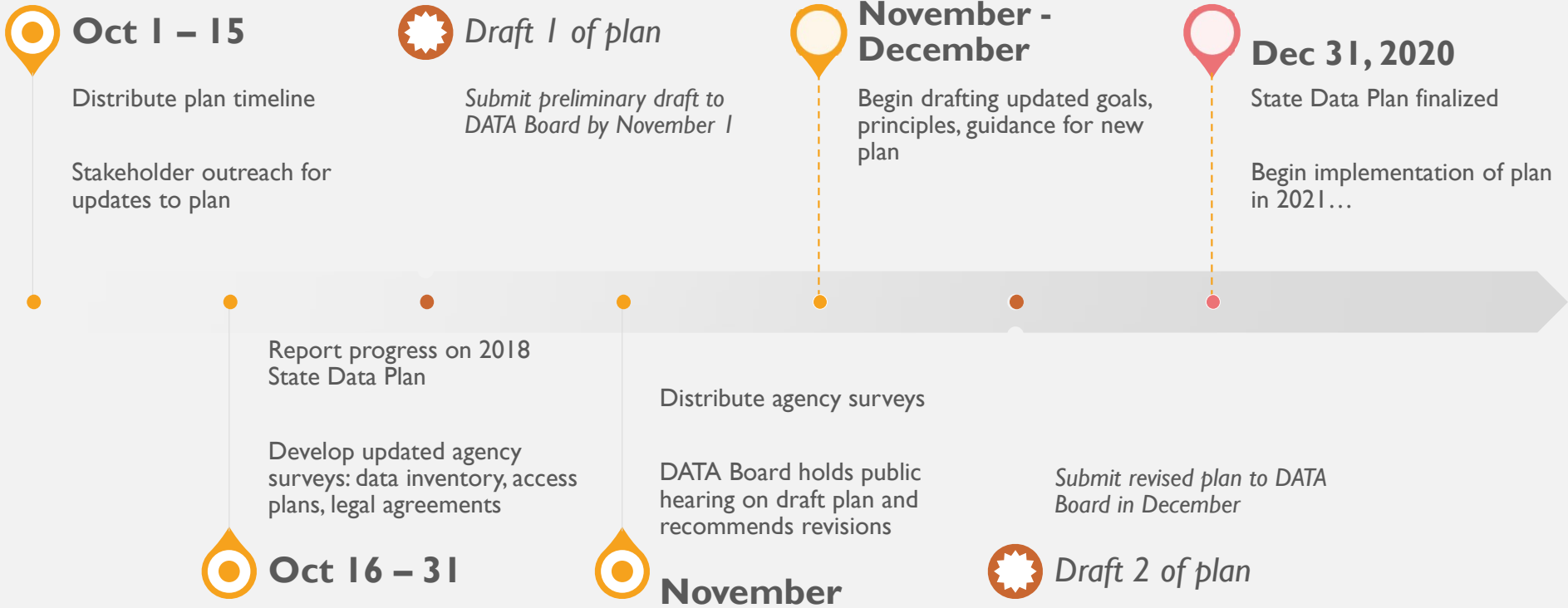
Each state data plan shall provide for a procedure for each agency head to report to the Chief Data Officer regarding the agency's progress toward achieving the plan's goals. Such plan may make recommendations concerning data management for the legislative or judicial branch agencies, but such recommendations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

## 2019 – 2020 STATE DATA PLAN GOALS

These are the goals from the first State Data Plan, for 2019 - 2020

- (1) **Reduce the effort** to acquire and prepare data, allowing for **more resources to analyze data** and improve outcomes for Connecticut residents
- (2) Create more impactful and predictable **open data**
- (3) **Improve knowledge and understanding of data** that is held by state agencies
- (4) **Increase standardization and integration** of data and systems
- (5) Improve the **knowledge and skills of state employees** related to data stewardship and analysis

# STATE DATA PLAN UPDATE - MILESTONES



# 2021 – 2022 STATE DATA PLAN: DRAFT PRINCIPLES

The draft plan proposes maintaining the same principles as in the 2019 – 2020 State Data Plan

## **Data Governance and Quality**

- (1) Appreciate that the data we collect require a considerable investment of resources and have value beyond the purpose for which they are collected.
- (2) Perform continuous data quality and analytics improvement to ensure the value of data is protected and maximized.
- (3) Ensure standardized data governance in order to protect data and improve its quality and utility.
- (4) Create, acquire, use, and disseminate data deliberately and thoughtfully; in compliance with federal law and state statute, and considering, quality, consistency, privacy, equity, client data dignity, value, reuse, and interoperability from the start.
- (5) Coordinate and prioritize data needs and uses, utilize data from multiple sources, and acquire new data only when necessary.

## **Privacy and Ethics**

- (1) Protect individual privacy and maintain confidentiality using effective data stewardship and governance, and by maintaining modern data security practices and technology.
- (2) Employ ethical standards in the use, analysis, sharing, and integration of data to avoid intrusion into the lives of Connecticut residents, and disparate impact.

## **Data Sharing Between Agencies**

- (1) Improve data sharing and access with ongoing input from users and other stakeholders, including those whose personal and protected data are collected in state agency systems.
- (2) Create clear and predictable pathways for data sharing which are necessary for effective data use and sharing.
- (3) Manage a data asset one time and use it for multiple purposes, to the extent possible, within legal and regulatory constraints.

## **Culture of Continuous Learning and Collaboration**

- (1) Promote a culture of continuous and collaborative learning, with data and about data.
- (2) Embrace openness, transparency, and accountability

## 2021 – 2022 STATE DATA PLAN: DRAFT FOCAL POINTS

The draft plan includes three focal points – with implementation steps and goals associated with each. This focuses on fewer areas than the 2019 – 2020 plan, which had eight focal points.

COVID-19 response  
and recovery

Equity in the data  
lifecycle

Using data for  
decision-making

## 2021 – 2022 STATE DATA PLAN: SUPPORTING DATA

### COVID-19 response and recovery

- 4X increase in traffic due to COVID-19 resources on open data portal
- Daily updates, dashboards and data stories, led by public health data, expanding to education, economic recovery, etc.
- More data requests in last 6 months than in first 6 years of portal
- But:
  - Much open data out-of-date (30% not updated since 2015)
  - Gaps in metadata
  - Gaps in health data infrastructure

### Equity in the data lifecycle

- Disparities in outcomes by race / ethnicity, gender and other dimensions in:
  - COVID-19 health outcomes
  - Employment
  - Housing
  - Criminal justice
  - Many other areas...
- Missing or incomplete data
  - Limited metadata on whether data are collected, analyzed and disseminated by race / ethnicity or other dimensions

### Using data for decision-making

- Residents are involved with multiple state services
  - Average four agencies for six-agency data match for vulnerable populations
- Perception that data sharing is difficult or cumbersome
  - 'Starting from scratch' mindset
  - Hundreds of agreements outstanding, dozens of state and federal laws and regulations
- Room to improve system capacity and throughput
  - ~20 data requests to P20 WIN system since 2014, average 8 months turnaround time

# 2021 – 2022 STATE DATA PLAN: DRAFT 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

- Pursue skill- and capacity-building opportunities
- Improve documentation and standards for gender identity, race / ethnicity and other dimensions
- Review processes to access, request and publish data to encourage consideration of racial equity and disparate impact
- Increase reporting and disclosure of data by factors such as race, ethnicity and gender, and their intersections, within the appropriate guidelines
- Increase the depth and breadth of 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



## 2021 – 2022 STATE DATA PLAN: DRAFT GOALS AND METRICS

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

- *Progress could be measured through metrics such as:*
  - Site traffic
  - Consistency of updates and metadata
  - Specific examples of use of open data to inform policy and practice

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

- *Progress could be measured through metrics such as:*
  - Participation in training or capacity-building efforts
  - Consistency in collection and disaggregation of data
  - Improved metadata
  - Examples of practice change

### Improve use of data to inform decision-making

- *Progress could be measured through metrics such as:*
  - Time to complete data sharing agreements
  - Throughput for state integrated data system
  - Number of research partnerships
  - Examples of use of data to inform policy and practice

## COMMENTS, SUGGESTIONS, FEEDBACK AND INPUT ON THE STATE DATA PLAN

Comments and feedback on the State Data Plan can be posted at:  
<https://portal.ct.gov/CTData/Content/Connecticut-State-Data-Plan>

A public hearing will be held in November and details will be posted on the same website.

Email or call with comments at any time: [scott.gaul@ct.gov](mailto:scott.gaul@ct.gov) / 860-418-6236