

CONNECTICUT P20 WIN ANNUAL REPORT

2022

Connecticut Office of Policy and Management

Introduction

P20 WIN – the Pre-School through 20 Workforce Information Network - is the state’s longitudinal data system (SLDS). Established in 2014 and codified in state statute in 2017, P20 WIN was formed to inform sound policies and practices through secure sharing of data across participating agencies to ensure that individuals successfully navigate supportive services and educational pathways into the workforce. The statute (Sec. 10a-57g) was revised in 2021 to formalize the governance structure and participating agencies. In 2021, P20 WIN expanded to include health and human services, child welfare and protective services, financial aid, and homelessness data and added mental health and addiction services in 2022.

P20 WIN is the system by which data from multiple agencies are matched to address critical policy questions. P20 WIN is administered by the Office of Policy and Management (OPM), which provides program management to support the continued operation and improvement as a resource for the participating agencies and the State. The Department of Labor is the Data Integration Hub for P20 WIN and conducts all data matching for approved data requests for the participating agencies.

Participation in P20 WIN is composed of 11 state agencies, institutions of higher education, and nonprofits, including: the Department of Education (SDE), the Department of Labor (DOL), the Office of Early Childhood (OEC), the Department of Social Services (DSS), the Department of Children and Families (DCF), the Department of Mental Health and Addiction Services (DMHAS), the Office of Higher Education (OHE), the Connecticut State Colleges and Universities (CSCU), the University of Connecticut (UConn), the Conference of Independent Colleges (CCIC), and the CT Coalition to End Homelessness (CCEH).

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.

The 2022 Annual Report is submitted in fulfillment of the requirement under the P20 WIN Enterprise Memorandum of Understanding. The Data Governing Board is tasked with the regular review of the P20 WIN system and provides this annual report on the following:

1. The efforts of P20 WIN to promote equity and that research and data sharing efforts do not disparately impact consumers or families.

In addition to what must be annually reviewed, additional information will be provided on the following:

1. An update on the implementation of P20 WIN and changes in structure, policies, or procedures.
2. List of all analysis and research performed under P20 WIN during the reporting period;
3. Any expansion of data coverage; and
4. All other recommendations made by the Data Governing Board.

Section 1: P20 WIN Promotion of Equity

P20 WIN has a vision to build trust in data use and integrate equity into data systems by developing policies that are transparent and accessible to all users – both data providers and data users.

A. Resident Advisory Board

Community voice and participation in data efforts is rare, but important. A Resident Advisory Board for P20 WIN is planned to launch in 2023. The Resident Advisory Board will review data projects, policies and procedures and will build trust and relationships between those who use state services and supply their data and those who hold data. This feedback loop will inform how participating agencies and P20 WIN communicates with requestors the need to consider equity when forming their data requests, while also providing important information about how data is used and interpreted.

B. Data Request Form

Based on feedback received from the Data Governing Board, the data request form has been modified to include a question for requestors to consider: “How will this project use data as a public asset to advance social good, making best use of public resources? What steps will be taken to ensure that one’s racial identity does not influence how one fares in society? This includes the creation of racially-just policies, practices, attitudes, and cultural messages, and the elimination of structures that reinforce differential experiences and outcomes by race.”

C. Assessments and other tools

P20 WIN with DSS, and Office of Health Strategy (OHS) is developing a series of tools that can be used to assess the impact of a data request. These tools include an equity and ethics impact assessment tool and a rubric to measure and promote progress.

Section 2: Implementation of P20 WIN and Changes in Structure, Policies, and Processes

A. Structure

a. P20 WIN Data Dictionary

To allow for a more efficient and easily accessible option to view what data elements are available for request from each participating agency through P20 WIN, a new [data dictionary web app](#) was created using free and open-source tools. This data dictionary was designed to be easily navigated by users by having features such as search and filter. Annually, the Office of Policy and Management will send out notice to participating agencies for updates to their data dictionaries. Updates could include changes to data elements, the addition or removal of data elements, or the addition or removal of datasets.

B. Policies & Processes

a. *Metadata Maintenance Policy and Process*

The Data Governing Board approved the [Metadata Maintenance policy and process](#). The Metadata Maintenance policy was established to ensure the P20 WIN data dictionary contains complete and up-to-date inventory of each P20 WIN Participating Agency's data elements available for request. The Metadata Maintenance process defines the steps for each P20 WIN participating agency to maintain a complete and up-to-date data dictionary. The goals of maintaining an up-to-date P20 WIN Data Dictionary are to ensure transparency and to facilitate the data sharing process.

b. *Data Matching Policy and Process*

The Data Governing Board is in the process of finalizing the Data Matching policy and process. The Data Matching policy was established to ensure consistency and replicability of P20 WIN data matching. The process defines the steps as data moves from the participating agencies to the Data Integration Hub, and finally, to the Data Recipient. The goals of the established data matching process are to improve match rates, reduce risk to privacy, provide transparency, and improve system efficiency.

c. *Data Security Policy and Process*

The Data Governing Board is developing a Data Security policy, process, and questionnaire. The Data Security policy will help ensure that data are securely transmitted, stored, and released in compliance with all applicable state laws, policies, and regulations throughout the P20 WIN information lifecycle. The Data Security process requires data requestors to submit a data security questionnaire before their data request can be approved. The goal of the questionnaire is to ensure that requestors have the technical proficiency to store data in a secure environment, confirm their understanding of relevant data privacy laws and regulations, and agree to strict protocols regarding how the data is used. Participating agencies will review the security questionnaire to confirm if the requestor meets their data security requirements.

d. P20 WIN Knowledge Hub

The P20 WIN Knowledge Hub was created as a location P20 WIN Participating Agencies to share resources, information, and files related to projects, data requests, and data governance. The Hub includes repositories for the Policy and Process documents, the P20 WIN Data Dictionary, and the Data Governance Manual.

Section 3: Analysis and Research Performed Under P20 WIN During 2022

A. Research Performed Internally by P20 WIN

As part of the work of P20 WIN, staff have worked towards conducting analyses on data provided through participating agencies to understand research questions related to state data. Below are the highlights of this work:

a. *Roberta Willis Scholarship Program*

The P20 WIN team completed a research project with support from the Office of Higher Education. The project focused on an analysis of the recipients of Roberta B. Willis Scholarship Program (RWSP) aid from both the grant and scholarship programs. The project resulted in a [data story](#) published on the Connecticut Open Data Portal. To further this work, OHE is developing an annual data request and submitted a proposal to Institute for Education Sciences, for impact analysis of the Roberta Willis Scholarship Program, with support from CCIC, CSCU, UConn, DOL and OPM, and UMass as research partner.

b. *College and Career Readiness*

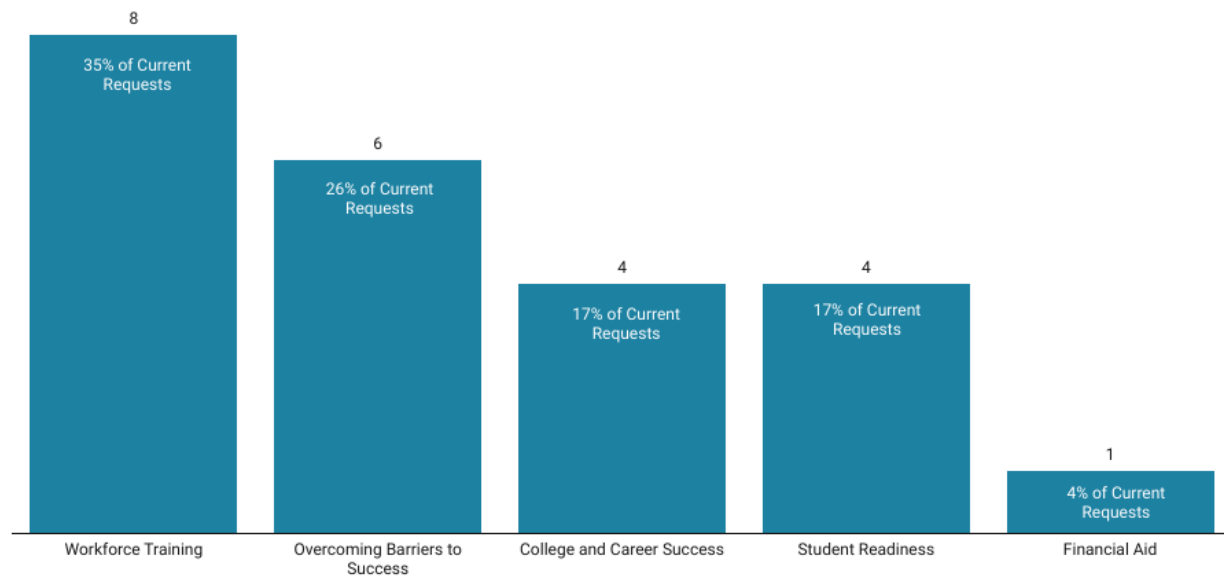
[Two papers](#) on college and career readiness were completed by CSCU and CSDE. In the first paper, an analysis was done to understand how two key metrics for College and Career Readiness relate to factors such as college attendance, performance, and persistence for students in Connecticut. The second paper investigates how SAT scores and high school GPA relate to first year college retention, first year college math GPA, and first year college English GPA for Connecticut public high school graduates who attend a Connecticut community college or state university.

c. *WIOA Adult Training Strategy Report*

The Training Strategy Report includes a descriptive analysis of the 2018 Workforce Innovation and Opportunity Act (WIOA) Adult data and introduces basic performances metrics and methods to conduct a return on investment (ROI) analysis for WIOA programs. The WIOA Adult program funds individualized career and training services for individuals 18 years and older, with priority given to public assistance recipients, low-income individuals, and individuals who are basic skills deficient. Individualized career services under WIOA Adult include specialized skill assessments, career counseling, career planning, short-term prevocational services, internships, financial literacy services, and English language education programs. Training services under WIOA Adult include occupational skills training, on-the-job training, incumbent working training, entrepreneurial training, job readiness training, adult education and literacy services, and customized training.

B. Learning Agenda

Topics and questions in the learning agenda are used to prioritize and inform data requests to P20 WIN. Questions are shared by our Executive Board and reflect the priority issues and policies for our Participating Agencies. Data requests that come in must address one of the items on the Learning Agenda. The chart below shows the current number of the requests by Learning Agenda item.



Below is more information about each of the requests that fall into each of the P20 WIN Learning Agenda items.

1. College and Career Success

College Enrollment, Remediation & Credit Attainment for Public High School Graduates - To evaluate the extent to which high school graduates are successfully pursuing postsecondary education opportunities and outcomes for graduates in Ct's state public and private colleges and universities and community colleges who are placed in remedial English and/or Math.

College & Career Success - An evaluation of the criteria and models for determining college readiness.

The Value Add of Career Clusters: Quantifying the Effects of Career Technical Education (CTE) on Workforce Outcomes - The purpose of the project is to evaluate effectiveness of High School CTE in delivering marketable specific skills to students that result in measurably higher wages for students who take CTE courses relative to those who do not, among those who do not go on to enroll in secondary education.

2. Student Readiness

New Haven Public Schools Pre-K Lottery Outcomes - This data request will enable comprehensive analysis of the benefits of free pre-Kindergarten to students, localities, and the state.

IDEA Part B Indicators – PSO - The purpose of this request is to gain critical employment and wage data, which will be used to evaluate the percent of youth in Connecticut who are no longer in secondary school, had individualized education plans (IEPs) in effect at the time they left school and were enrolled in higher education and/or competitively employed and/or enrolled in a training program within one year of leaving high school.

Early childhood to education outcomes - Measuring outcomes in K-12 settings for children from state-funded pre-K slots

Education & Justice involved youth - To build on the body of knowledge around the educational experiences of legal system-involved youth through the critical epistemological praxis of participatory action research (PAR) and to advance young women-led policy-based recommendations to offer structural, systems-change focused solutions so the juvenile legal and education systems can more effectively and equitably meet youths' educational rights.

3. Financial Aid

Roberta Willis Scholarship - To evaluate the postsecondary enrollment, postsecondary outcomes, and workforce outcomes of Roberta Willis Scholarship Program recipients.

4. Workforce Training

CTEC/Apprenticeship data match- Match labor market and apprenticeship data to students who applied to one of the schools in the CT Technical High School System (CTHSS) for admission for the fall semesters of the years 2006 to 2017.

Workforce Training Innovation Fund Grant Report - Evaluate the outcomes of the students in grant funded short-term healthcare training programs to understand the benefit that these types of programs provide.

Higher Ed Report Card - Higher education / post-secondary outcomes for annual reporting.

Manufacturing for CT - This study will document current and emerging educational practices intended to develop effective career pathway pipelines from PK12 through long-term manufacturing employment.

Office of Workforce Strategy Performance and Outcomes - Data for the purposes of assessing performance and outcomes of the state's workforce system, pursuant to Public Act 21-2, Section 250(e).

5. Overcoming Barriers to Success

Housing and Employment - A one-time match of the Homelessness Management Information System (HMIS) and the DOL CTHires data to better understand how people are utilizing both the homeless and workforce systems, which will assist CCEH, United Way 2-1-1 and other partners develop a referral system for people experiencing homelessness.

Homelessness and Wages - This data request is a recurring quarterly match of HMIS clients in need of housing with DOL wage data. This data match will help CCEH understand which programs a client may be eligible for based on income to get them housed.

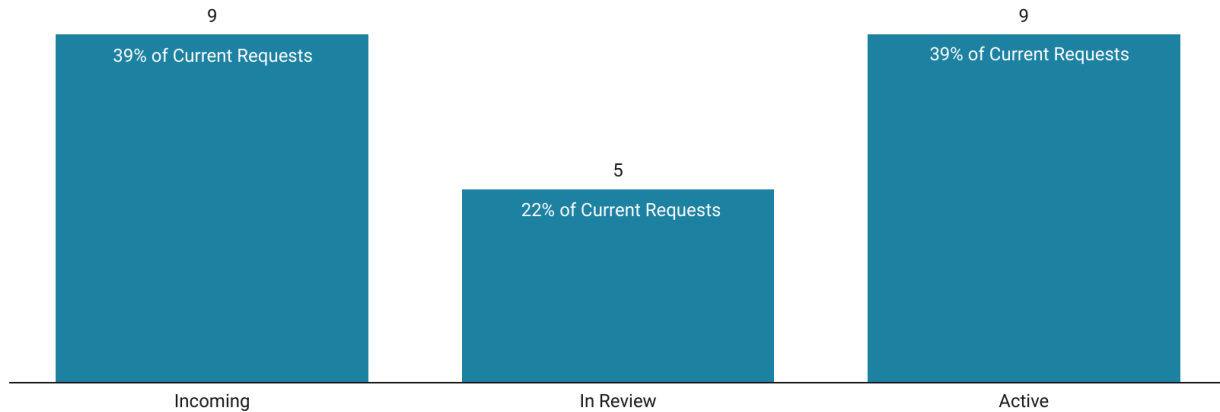
Evaluation of Supporting College Learners' Program - This project evaluates the experiences of community college students who (a) are parents, (b) received SNAP or education benefits, and (c) who may or may not be receiving a childcare stipend, with employment, income, childcare, and child development status as outcomes.

Education and Labor Market Effects on Housing Assistance - The effects of Housing Choice Voucher (HCV)-based rental assistance on short- and long-run academic and labor market outcomes in Connecticut cities.

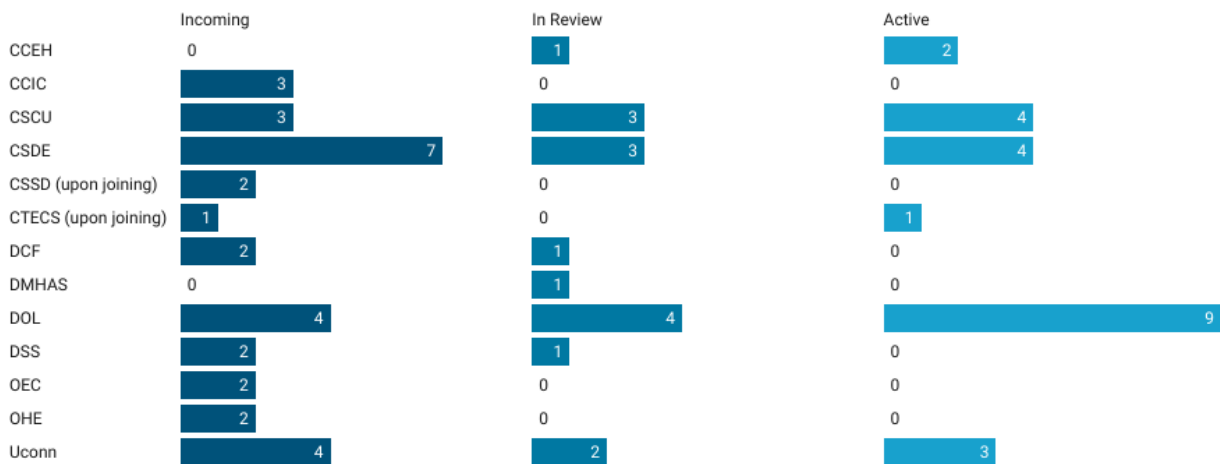
Disengaged Student Outcomes - To evaluate young people (ages 14-26) who have been disengaged and disconnected from school, work, and/or pro-social institutions. This request will build on research done in 2016 that found that 1 in 5 CT students have been disengaged or disconnected from high school.

Roca Young Mothers' Program Evaluation - To examine the service needs of participants and track their intermediate- and longer-term outcomes across a range of domains including behavioral health, education and employment, parenting, child development, and systems involvement.

The above list of requests reflects all data requests in various stages of the research process. For more information as to the stage of where these data requests lie, please see the graph below.



Furthermore, each P20 WIN request must involve data from at least two participating agencies. Please see the graph below for how many projects that each participating agency is involved with, and in which of the various stages of the P20 WIN process these projects are in.



Section 4: Expansion of Data

A. New Data

As P20 WIN continues to grow, more state agencies have (a) agreed to join and (b) provided more data elements that are available. Below is a list of new data that has been added to P20 WIN in 2022.

a. Department of Mental Health and Addiction Services (DMHAS)

The P20 WIN Executive Board voted and approved the addition of DMHAS as a participating agency in Fall 2022. DMHAS works to help adults access effective mental health and substance use disorder recovery and treatment services. Additionally, DMHAS works proactively and provides prevention services to promote the overall health and wellness of individuals and communities by preventing or delaying substance use.

b. Department of Labor (DOL)

The DOL has added data elements on workforce services and programs to their existing data dictionary. These services include: State Youth Employment Programs, Jobs First Employment Services (JFES), Best Chance, Workforce Innovation and Opportunity Act (WIOA) Adult, WIOA Dislocated Workers, WIOA Youth, Trade Adjustment Assistance (TAA), Jobs for Veterans' State Grants (JVSG) and Wagner-Peyser.

B. Proposed Expansion of Data

For 2023, we plan for continued expansion to new agencies in the education, workforce, health and human services and criminal and juvenile justice spaces. This expansion will allow for a more coordinated approach to data sharing at a state level by building on the successful framework built through P20 WIN.

Section 5: Recommendations by the Governing Board

P20 WIN has grown substantially over the last year with more state agencies becoming participating agencies. Additionally, data requests are being submitted in larger numbers than in the past. Dedicated staff have been hired to focus on P20 WIN and expand capacity in responding to and fulfilling the growing number of data requests. The P20 WIN team are regularly identifying new resources to support the growth of the system. To build upon this growth, P20 WIN must create and manage resources that will enable any current and future data requests to be successful. Policies and processes continue to be created to address the evolution of P20 Win and are established within the governance structure. Additionally, more resources for data requestors to better inform a data request are in creation.