

Question/Purpose for P20 WIN Data Request [P20W_1712_5_0017](#)

Item	Short explanation	Detailed explanation
1	To evaluate the causal effects of attending one of the schools in the CTHSS on labor market outcomes over time including employment, earnings, industry of employment and apprenticeship programs	Match longitudinal labor market data from Department of Labor (DOL) to the SASID's of a population of students who applied to one of the schools in the Connecticut Technical High School System (CTHSS) for admission for the fall semesters of the years 2006 to 2014. Also, match apprenticeship data or post-graduate certifications from a separate DOL database (See Todd Berch). Provide a de-identified version of the resultant data to PI's at the University of Connecticut so that they can evaluate the impacts of obtaining an admission invitation to one of the technical high schools of labor market outcomes using a Regression Discontinuity approach. Outcome to be evaluated include employment, wages and industry choice.
2	Evaluate heterogeneity in the effects of attending one of the schools in the CTHSS.	Estimate effects separately by subsamples of applicants on previous test scores, demographics, type of middle school and other pre-determined student attributes.
3	Continue on-going evaluation of the causal effects of attending one of the schools in the CTHSS on academic outcomes over time as described in current contract with SDE. This evaluation will include an examination of CTE program choice by both students in CTHSS and students in high schools outside of the system.	Continue on-going evaluate the causal effects of attending one of the schools in the CTHSS on academic outcomes over time as described in current contract with SDE. This task is covered by an existing contract with SDE and is currently underway, but has been included here because this attachment includes all variables that will be part of the final data set, and this task provides the justification for the variables that are currently being used and will be included in the final data. The scope of the initial contract with SDE is being expanded to include an investigation of student choice of CTE programs and so the data has been expanded to include course work taken in order to assign students to specific CTE programs.

P20 WIN ATTACHMENTS A B – DATA ELEMENTS FOR QUERY BY IMPACTED AGENCY PURPOSE CROSSWALK

Attachment A: Provide the name of each element from each data source including elements needed to link data sets. Identify the values of each elements code sets that are necessary. Add as many rows as necessary

Attachment B: Provide a crosswalk for each data element requested and describe how it relates to the purpose of the query. List each data element once with only one data element per row. Add as many rows as necessary. P20 WIN element names can be found here: *[enter URL for meta-data dictionary]*. Note: if a proposal is approved, data elements may be removed from the request if there is insufficient evidence to show how the data element requested relates to the purpose.

P20 WIN Query Number:

[P20W_1712_5_0017](#)

CT Department of Education					
Data Element Name	Definition	Code Set value to be included	Other Qualifier	Related Research / Policy Question	Explain how this element relates to the Research Question
Student Fake ID	Randomly generated student ID number	all		For question 1 on the first tab	For following student outcomes longitudinally
First Name	First name on record	all		For question 1 on the first tab	For matching to DOL data
Middle Name	Middlename on record	all		For question 1 on the first tab	For matching to DOL data
Last Name	Last name on record	all		For question 1 on the first tab	For matching to DOL data
Date of birth	Date of birth of record	all		For question 1 on the first tab	For matching to DOL data
Town of Residence	Town of Residence on file at time of exit from last facility	all		For question 1 on the first tab	For matching to DOL data
Gender	Gender on record	all		For question 1 on the first tab	For matching to DOL data
CTHSS Applicant ID	Provided Applicant Number	all		For question 1 on the first tab	Match to CTHSS application data
8th Grade School	School attended at end of grade 8	all		For question 2 on the first tab	Factor for studying heterogenous effects
9th Grade School	School attended at end of grade 9	all		For question 2 on the first tab	Factor for studying heterogenous effects
FreeReducedLunchEligible in Grade 8	Indicator of student eligibility for federal free/reduced lunch program at any time during 8th grade. Per Nat'l. Gov. Alliance rules; "F" = Free, "R" = Reduced, "N" = No	all		For question 2 on the first tab	Factor for studying heterogenous effects
RaceEthnicityReportingText in grade 8	Single column description of student's race and ethnicity, based on federal race/ethnicity guidelines - American Indian or Alaska Native - Asian - Black or African American - Hispanic or Latino - Native Hawaiian Or Other Pacific Islander - White	all		For question 2 on the first tab	Factor for studying heterogenous effects
White	Indicator of whether White	all		For question 2 on the first tab	Factor for studying heterogenous effects
Black	Indicator of whether Black	all		For question 2 on the first tab	Factor for studying heterogenous effects
Latino	Indicator of whether Latino	all		For question 2 on the first tab	Factor for studying heterogenous effects
Asian	Indicator of whether Asian	all		For question 2 on the first tab	Factor for studying heterogenous effects
Other	Indicator of whether Other race	all		For question 2 on the first tab	Factor for studying heterogenous effects

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Data Element Name	Definition	Code Set value to be included	Other Qualifier	Related Research / Policy Question	Explain how this element relates to the Research Question
English Language Learner (ELL)	Indicator of whether ELL status in grade 8	all		For question 2 on the first tab	Factor for studying heterogenous effects
Student with Disability (SWD)	Indicator of whether Disability status in grade 8	all		For question 2 on the first tab	Factor for studying heterogenous effects
Primary Disability	Categorical variable for Primary Disability in grade 8	all		For question 2 on the first tab	Factor for studying heterogenous effects
TWNDP	Share of time with Non-disabled Peers in grade 8	all		For question 2 on the first tab	Factor for studying heterogenous effects
Math_score 6, 7, 8	6th-8th grade Math test scores	all		For question 2 on the first tab	Factor for studying heterogenous effects
Ela_Score 6, 7, 8	6th-8th grade ELA test score	all		For question 2 on the first tab	Factor for studying heterogenous effects
Scie_Score 8	8th grade Science test score	all		For question 2 on the first tab	Factor for studying heterogenous effects
Math_score 10	10th grade Math test score	all		For question 3 on the first tab	Outcome variable
Ela_Score 10	10th grade ELA test score	all		For question 3 on the first tab	Outcome variable
Scie_Score 10	10th grade Science test score	all		For question 3 on the first tab	Outcome variable
Write_Score 10	10th grade Writing score	all		For question 3 on the first tab	Outcome variable
Attendance Days Grades 6 -12	Days of Attendance per June PSIS Collection	all		For question 2 and 3 on the first tab	Outcome variable and heterogeneity
Membership_daysGrades 6-12	Days of Membership per June PSIS Collection	all		For question 2 and 3 on the first tab	Outcome variable and heterogeneity
Suspensions each year	Total Suspension one variable each year from 6th-12th grade	all		For question 2 and 3 on the first tab	Outcome variable and heterogeneity
Hsg	Graduated from high school 4	all		For question 3 on the first tab	Outcome variable
HSgraduation date	Date student graduated from HS	all		For question 3 on the first tab	Outcome variable
<i>College Board Data</i>					
SAT Test dates	Date of exam	all		For question 3 on the first tab	Outcome variable
SAT Scores	SAT scores on the three exams plus separate scores for each sitting of the exam	all		For question 3 on the first tab	Outcome variable
SAT Subject Tests Taken	Subject Tests Title	all		For question 3 on the first tab	Outcome variable
SAT Subject Test Scores	Scores on subject tests	all		For question 3 on the first tab	Outcome variable
AP Test Subject Name	Identifiers for AP tests taken by student	all		For question 3 on the first tab	Outcome variable
AP Test Date	Date of exam	all		For question 3 on the first tab	Outcome variable
AP Test Score	Test Scores on the AP Exam	all		For question 3 on the first tab	Outcome variable
<i>Clearinghouse Data</i>					
College_code	Numeric college code	all		For question 3 on the first tab	Outcome variable
College_name	Name of college	all		For question 3 on the first tab	Outcome variable
CollegeState	State in which the college is located	all		For question 3 on the first tab	Outcome variable
2year_4year	Two-year or Four-year college (string)	all		For question 3 on the first tab	Outcome variable
Public_private	Public or Private school (string)	all		For question 3 on the first tab	Outcome variable
Enrollment_begin	Enrollment starting date	all		For question 3 on the first tab	Outcome variable
Enrollment_end	Enrollment exit date	all		For question 3 on the first tab	Outcome variable
Enrollment_status	Full-time, Half-time, Less than half-time, Leave of absence, Withdrawn, Deceased	all		For question 3 on the first tab	Outcome variable

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Data Element Name	Definition	Code Set value to be included	Other Qualifier	Related Research / Policy Question	Explain how this element relates to the Research Question
Graduated	Indicator if degree earned	all		For question 3 on the first tab	Outcome variable
Grad_date	Date of degree earned	all		For question 3 on the first tab	Outcome variable
Degree_title	Type of degree earned	all		For question 3 on the first tab	Outcome variable
Degree_major1	First degree major	all		For question 3 on the first tab	Outcome variable
Degree_major2	Second degree major	all		For question 3 on the first tab	Outcome variable
College_sequence	Indicator of progression through college	all		For question 3 on the first tab	Outcome variable

Course Level Data (One observation per course taken all variables based on value based on when and where course taken)

Reporting District Code	District code in which student attends School	all		For question 3 on the first tab	Outcome variable
Course Facility Code	Facility at which course is held	all		For question 3 on the first tab	Outcome variable
Teacher Type	Type of teacher for course	all		For question 3 on the first tab	Outcome variable
Course Title	Name of Course	all		For question 3 on the first tab	Outcome variable
NCES Course Code	NCES standardized code for course	all		For question 3 on the first tab	Outcome variable
District Course Code	District/school assigned code for course	all		For question 3 on the first tab	Outcome variable
Available Course Credit	Number of credits assigned to the course	all		For question 3 on the first tab	Outcome variable
Outcome/Grade	Final letter or number grade in course	all		For question 3 on the first tab	Outcome variable
Facility 1 Code	Numeric code for school attended as part of course	all		For question 3 on the first tab	Outcome variable
Session Start Date	Start date of course	all		For question 3 on the first tab	Outcome variable
Session End Date	End date of course	all		For question 3 on the first tab	Outcome variable
Outcome/Grade Status	Code for how student exited the course	all		For question 3 on the first tab	Outcome variable
Course Credits Earned	Number of credits earned from course (high school only)	all		For question 3 on the first tab	Outcome variable
SubjectAreaCode	Code for broad category to which course belongs: (e.g. science, math, english/language arts, history, etc.)	all		For question 3 on the first tab	Outcome variable

CTHSS Applicant Data (all fields w/out PII - Note some fields look like replicas of others because they add new fields when they change scoring system. This list may not be complete if they have changed the system since the last data dictionary that we received.)

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Data Element Name	Definition	Code Set value to be included	Other Qualifier	Related Research / Policy Question	Explain how this element relates to the Research Question
Res_Town_Code	Resident Town Code	all		For questions 1-3 on the first tab	Conducting the Regression Discontinuity
SCH_APP1	1 st choice school applied	all		For questions 1-3 on the first tab	Conducting the Regression Discontinuity
SCH_APP2	2nd choice school applied	all		For questions 1-3 on the first tab	Conducting the Regression Discontinuity
SCH_APP3	3rd choice school applied	all		For questions 1-3 on the first tab	Conducting the Regression Discontinuity
TRADE_CH1	1 st Choice of Trade prior to attending	all		For questions 1-3 on the first tab	Conducting the Regression Discontinuity
TRADE_CH2	2 nd Choice of Trade prior to attending	all		For questions 1-3 on the first tab	Conducting the Regression Discontinuity
LANG_ARTS	Applicant Score Field	all		For questions 1-3 on the first tab	Conducting the Regression Discontinuity
MATH_SCORE	Applicant Score Field	all		For questions 1-3 on the first tab	Conducting the Regression Discontinuity
APP_GRADES	Applicant Score Field	all		For questions 1-3 on the first tab	Conducting the Regression Discontinuity
APP_ATTEND	Applicant Score Field	all		For questions 1-3 on the first tab	Conducting the Regression Discontinuity
SCORE_TOT	Total Applicant Score	all		For questions 1-3 on the first tab	Conducting the Regression Discontinuity
LTR_SENT1	Acceptance Letter from School 1	all		For questions 1-3 on the first tab	Conducting the Regression Discontinuity
LTR_SENT2	Acceptance Letter from School 3	all		For questions 1-3 on the first tab	Conducting the Regression Discontinuity
LTR_SENT3	Acceptance Letter from School 3	all		For questions 1-3 on the first tab	Conducting the Regression Discontinuity
WAIT_LTR1	Waitlist Letter from School 1	all		For questions 1-3 on the first tab	Conducting the Regression Discontinuity
WAIT_LTR2	Waitlist Letter from School 2	all		For questions 1-3 on the first tab	Conducting the Regression Discontinuity
WAIT_LTR3	Waitlist Letter from School 3	all		For questions 1-3 on the first tab	Conducting the Regression Discontinuity
CAN_SCH1	Cancelled at School 1	all		For questions 1-3 on the first tab	Conducting the Regression Discontinuity
CAN_SCH2	Cancelled at School 2	all		For questions 1-3 on the first tab	Conducting the Regression Discontinuity
CAN_SCH3	Cancelled at School 3	all		For questions 1-3 on the first tab	Conducting the Regression Discontinuity
STU_ACCPT1	Student Confirms they will attend School 1	all		For questions 1-3 on the first tab	Conducting the Regression Discontinuity
STU_ACCPT2	Student Confirms they will attend School 2	all		For questions 1-3 on the first tab	Conducting the Regression Discontinuity
STU_ACCPT3	Student Confirms they will attend School 3	all		For questions 1-3 on the first tab	Conducting the Regression Discontinuity
app_year	School Year student applied	all		For questions 1-3 on the first tab	Conducting the Regression Discontinuity
Sch_App4	4th choice school applied	all		For questions 1-3 on the first tab	Conducting the Regression Discontinuity
Wait_Ltr4	Waitlist Letter from School 4	all		For questions 1-3 on the first tab	Conducting the Regression Discontinuity
Ltr_Sent4	Acceptance Letter from School 4	all		For questions 1-3 on the first tab	Conducting the Regression Discontinuity
Stu_Acpt4	Student Confirms they will attend School 4	all		For questions 1-3 on the first tab	Conducting the Regression Discontinuity
Can_Sch4	Cancelled at School 4	all		For questions 1-3 on the first tab	Conducting the Regression Discontinuity
app_former_englishgrade7	English grade 7 applicant points (based on grades)	all		For questions 1-3 on the first tab	Conducting the Regression Discontinuity
app_former_mathgrade7	Math grade 7 applicant points(based on grades)	all		For questions 1-3 on the first tab	Conducting the Regression Discontinuity
app_former_englishgrade8	English grade 8 applicant points(based on grades)	all		For questions 1-3 on the first tab	Conducting the Regression Discontinuity

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Data Element Name	Definition	Code Set value to be included	Other Qualifier	Related Research / Policy Question	Explain how this element relates to the Research Question
		all		For questions 1-3 on the first tab	Conducting the Regression Discontinuity
app_former_mathgrade8	Math grade 8 applicant points(based on grades)				
app_former_reasons	Reasons for attending points	all		For questions 1-3 on the first tab	Conducting the Regression Discontinuity
app_former_activities	Points for participating in activities	all		For questions 1-3 on the first tab	Conducting the Regression Discontinuity
app_former_scoretotal	Total application points	all		For questions 1-3 on the first tab	Conducting the Regression Discontinuity
		all		For questions 1-3 on the first tab	Conducting the Regression Discontinuity
app_englishgrade7	English grade 7 applicant points(based on grades)				
		all		For questions 1-3 on the first tab	Conducting the Regression Discontinuity
app_mathgrade7	Math grade 7 applicant points(based on grades)				
		all		For questions 1-3 on the first tab	Conducting the Regression Discontinuity
app_englishgrade8	English grade 8 applicant points(based on grades)				
		all		For questions 1-3 on the first tab	Conducting the Regression Discontinuity
app_mathgrade8	Math grade 8 applicant points(based on grades)				
app_mathengttotal	Total of math and English points	all		For questions 1-3 on the first tab	Conducting the Regression Discontinuity
app_attendancetiebreaker	Attendance points used as a tie breaker	all		For questions 1-3 on the first tab	Conducting the Regression Discontinuity
score_tot2	New Version of total score	all		For questions 1-3 on the first tab	Conducting the Regression Discontinuity
AC_LA_Score	Acuity test score English/language arts	all		For questions 1-3 on the first tab	Conducting the Regression Discontinuity
AC_Math_Score	Acuity test score Math	all		For questions 1-3 on the first tab	Conducting the Regression Discontinuity
cmt_acuity	Dropdown for acuity or cmt test	all		For questions 1-3 on the first tab	Conducting the Regression Discontinuity
CMT_LA_Score	CMT Language Arts Score	all		For questions 1-3 on the first tab	Conducting the Regression Discontinuity
CMT_Math_Score	CMT Math Score	all		For questions 1-3 on the first tab	Conducting the Regression Discontinuity
PersStmnt	Personal statement points	all		For questions 1-3 on the first tab	Conducting the Regression Discontinuity
LdrShip	Leadership/activity participation points	all		For questions 1-3 on the first tab	Conducting the Regression Discontinuity

Attachment A: Provide the name of each element from each data source including elements needed to link data sets. Identify the values of each elements code sets that are necessary. Add as many rows as necessary

Attachment B: Provide a crosswalk for each data element requested and describe how it relates to the purpose of the query. List each data element once with only one data element per row. Add as many rows as

P20 WIN Query Number: [P20W_1712_5_0017](#)

CT Department of Labor					
Data Element Name	Definition	Code Set value to be included	Other Qualifier	Related Research / Policy Question	Explain how this element relates to the Research Qeustion
First Initial	First initial on record	all		For question 1 on the first tab	For matching to DMV and SDE data
Last Name	Last name on record	all		For question 1 on the first tab	For matching to DMV and SDE data
SSN	SSN on record	all		For question 1 on the first tab	For matching to DMV and SDE data
Year	Year in which wages were obtained	all		For question 1 on the first tab	For analysis of the impact of CTHSS attendance
Quarter	Quarter in which wages were obtained	all		For question 1 on the first tab	For analysis of the impact of CTHSS attendance
Wage	Wages paid by emplouyer in quarter	all		For question 1 on the first tab	For analysis of the impact of CTHSS attendance
NAICS Code	Industry code of employer paying highest wage	all		For question 1 on the first tab	For analysis of the impact of CTHSS attendance
<i>From DMV File</i>					
First Name	First name on record	all		For question 1 on the first tab	For matching to DMV
Last Name	Last name on record	all		For question 1 on the first tab	For matching to DMV
SSN	SSN on record	all		For question 1 on the first tab	For matching to DMV
Date of birth	Date of birth of record	all		For question 1 on the first tab	For matching DOL data to SDE data when SSN not available
Town of Residence	Town of Residence on file for DMV record	all		For question 1 on the first tab	For matching DOL data to SDE data when SSN not available
Gender	Gender on record	all		For question 1 on the first tab	For matching DOL data to SDE data when SSN not available