

CT Preschool through Twenty & Workforce Information Network (P20 WIN)

QUERY MANAGEMENT REQUEST DOCUMENT

This form and all attachments are to be submitted to the P20 WIN Data Governing Board for consideration and approval before the execution of each query to the system.

Information provided here is required to fulfill the mandatory provisions for written agreements according to the Family Educational Rights and Privacy Act (FERPA), 20 U.S.C. §1232g and to comply with Unemployment Compensation (UC) considerations under state (CGS § 31-254) and federal (20 CFR 603) law. PERSONS WHO ARE NOT STATE GOVERNMENT EMPLOYEES OR OFFICIALS MAY NOT SUBMIT A QUERY TO P20 WIN.

SECTION 1 – BASIC REQUEST INFORMATION

Application Submission Date:

TYPE OF SUBMISSION: Initial Application Continuation* Repeat** Modification***

*Initial applications are approved for a given duration. Select 'continuation' if this request is to extend that timeframe.

** Select repeat if you need to have a data query that has already been approved be run again without changes.

*** If you are requesting a modification to a request that has already been approved and is underway, select 'Modification' and address only the sections of this form which are being adjusted from the prior request.

P20 WIN Query Number: P20W_1310_3_0003.n

Query Title: BOR-DOL Employment Evaluation

Agencies from which data is being requested (Check all that apply):

Ct State Department of Education (SDE) CT Board of Regents (BOR) CT Department of Labor (DOL)

Has this data request been discussed with program employees at the involved agencies?: Yes No

If yes please indicate with whom:

Agency: BOR

Name: Braden Hosch, Jan Kiehne

Agency: SDE

Name: Andy Condon

SECTION 2– REQUESTOR INFORMATION

Name (last, first) Condon, Andy

*note: For the P20 WIN pilot, only members of the P20 WIN Data Governance Board will be able to submit a request.

Title Director, Research and Information

Organization Connecticut Department of Labor

Mailing Address 200 Folly Brook Boulevard

Email Address Andrew.Condon@ct.gov

Phone Number 860-263-6255

Fax Number

Provide Full name, institution, email address, and project role for ALL other persons working with data, derived data or data output for this project. Add additional space as necessary. Please print and attach a signed Confidentiality Agreement for each individual needing access to the resultant data set. (See Attachment C)

Andrew Condon, Director of Research and Information, Department of Labor; Andrew.condon@ct.gov

Dana Placzek, Research Analyst, Department of Labor; Dana.placzek@ct.gov

Liam McGucken, Research Analyst, Department of Labor, liam.mcgucken@ct.edu

Bill Gammell, BOR representative to P20 WIN Data Governance Board; gammellw@ct.edu

Jan Kiehne, CT Board of Regents for Higher Education, P20 WIN Program Manager & Lead Tester; Jan_kiehne@hotmail.com
Benjamin Klimczak, CT Board of Regents for Higher Education, CC IRDB Lead Analyst; bklimczak@commnet.edu
Teresa Boyd-Cowles, CT Board of Regents for Higher Education, CSU IR Repository Lead Analyst; BoydT@ct.edu

*If individuals listed here are no longer a part of this project, the agencies approving this application can designate a new person to take their place. The new individual will complete a Confidentiality Agreement before being able to work with unit record data.

SECTION 3 –ALIGNMENT OF PURPOSE& SCOPE

Provide a brief summary of the data request:

This data request will enable analysis of the degree to which students completing credentials from public postsecondary institutions in CT are working in Connecticut during the first few years after program completion. The analysis will examine employment rates and wages earned by students completing undergraduate and graduate public education programs by institution and by academic program from 2009 through 2014 as data is available through the system.

The modification to this request does the following:

- Replaces Dr. Braden Hosch with Dr. Bill Gammell the new Director of Institutional Research, Policy and Strategic Planning for BOR
- Updates the fields requested to include matching data elements from Charter Oak State College
- Extends the time frame for analysis and sets a new data destruction date of 06/30/2015, 1 year from the date DOL is expected to receive the data from BOR.

Clearly state the purpose of this request and describe how the purpose is an audit or evaluation of federal or state supported education program(s) (See Audit or Evaluation Exception 20 U.S.C. 1232g(b)(1)(C), (b)(3), and (b)(5) and §§99.31(a)(3) and 99.35)

The Board of Regents education programs receive both federal and state support. Through this data request, staff will be able to evaluate the effectiveness of public postsecondary programs in preparing students for employment in Connecticut.

Describe the benefit that this audit/evaluation will provide to the state or to a specific agency which is an education related member of the Board.

The state, federal government and citizens invest heavily in public education so that individuals can prepare themselves to be productive tax paying citizens. It is in the interest of the Board of Regents to understand whether students completing its programs are able to enter the workforce in CT. It is in the interest of the state to understand whether the public education programs are producing a functionally diverse and well-prepared workforce to meet labor demands. While the results may not be definitive, they will provide information useful for improving programs and policies and for guiding future analysis.

Evaluations of this type have been completed in the past using a different technical mechanism, so an additional benefit of completing this evaluation is that the results could be compared against prior benchmark studies. If this evaluation produces similar patterns of data, then stakeholders will gain trust in the new approach.

Provide a brief description of the method for analysis.

Descriptive statistics will be used to determine employment variance by institution, education program, gender, and race/ethnicity.

Processes for manipulating the data will include:

- Actively linking data tables together to validate the presence or absence of surrogate keys. (Note: this is done

without the presence of primary personal identifiers such as name or SSN. Rather, this is accomplished primarily through secondary or surrogate keys assigned by the system and not tied to source data.)

- Filtering and sorting data to understand how rows in data sets are unique or duplicated.
- Modifying data configuration to establish ideal parameters for future analysis. (e.g. date ranges, field values, sequencing)
- Matching data aggregated from the output to known aggregated data from existing repositories to provide input into data quality

Provide a description of the documents or reports that will reference data from this query. For each report indicate the audience for the report and expected indicators or measures to be included in each.

If the data quality is deemed acceptable, one or more reports aggregated by institution or higher education constituent unit may be developed for institutional and public consumption. Descriptive indicators are anticipated to include:

- Number and % employed in CT by academic program
- Number and % continuously employed in CT
- Number and % who change industry sector during early years of employment
- Breakout by race/ethnicity and gender
- Breakout by academic program
- Breakout by public institution, sector and type of credential

In addition to utilizing a minimum cell size as documented by the Data Governance Procedure, identify/describe the statistical methods that will be used to minimize the risk of re-identification of PII for data to be published. Some typical methods are listed below; however, this list is not comprehensive. Options should be used in combination for maximum security. See the [USED Technical Brief 3](#) as a resource.

- **Suppression by:** cell, row, sampling (present data for a portion of students: e.g. 80%)
- **Blurring through:** aggregation of groups, rounding, use of ranges, use of top/bottom categories (e.g. 'less than 5%, greater than 95%),
- **Perturbation:** data swapping, adding noise, use of synthetic data

It is expected that suppression and blurring will be the primary approaches used to protect personally identifiable information (PII) and minimize the risk of re-identification.

SECTION 4 – PROTECTION OF CONFIDENTIALITY

By what date will the resultant dataset and all paper or electronic copies will be destroyed by the requestor?

Policy requires that the resultant data set be destroyed within 12 months from the date the dataset was downloaded. Note, that the Data Governing Board may set a shorter or longer time frame for destruction of the dataset. This 12 month limitation may be extended with written approval from the Data Governing Board. Requestors need to submit the Query Management Document as a 'continuation' for approval of an extension.

All unit record data resulting from the query to the system will be destroyed by **6/30/2015**.

With the addition of your initials by each item, indicate that you agree to the following:

- I will only utilize the data received through this query to meet the purpose as described. The approval given to receive data through this query does not confer approval to use it for another purpose.
- I will not re-disclose the data received through this query approval process to any public official who has not been authorized by the Data Governing Board to receive it, and who has not also signed a Personal Statement of Confidentiality and Non-Disclosure.
- I will take the necessary and appropriate precautions to safeguard personal information and will comply with

all state and federal laws concerning the safeguarding and disclosure of such information.

- I will not use this dataset to re-identify individuals.
- I agree that approval to receive data through this query does not convey ownership of the data.
- I agree that prior to the public release of any documents or reports generated from this query I will supply all reports or documents to the Data Governing Board for review and verification that the intended purpose has been adhered to.
- I agree to store all query data, in print or electronic form, in a locked receptacle that can be accessed by authorized persons only.
- I agree to store all query data on secure desktop computers and in secure files to which access is restricted to authorized persons only.
- I agree that no query data may be transmitted via email or placed or stored on a mobile computing or storage device. For purposes of this agreement, a definition of "mobile computing device" includes, but is not limited to, notebooks, palmtops, PDAs, iPods®, Blackberry® devices, and cell phones with internet browsing capability. A "mobile storage device" includes but is not limited to, mobile computing devices, diskettes, magnetic tapes, external/removable hard drives, flash cards (e.g., SD, Compact Flash), thumb drives (USB keys), jump drives, compact disks, digital video disks, etc.
- I agree to destroy all confidential information obtained through this agreement as soon as such information is no longer needed.
- I agree that the Data Governing Board will be allowed access to monitor all authorized users to ensure such users observe the confidentiality requirements of the information obtained under this Agreement.
- I agree to comply with all provisions of the P20 Win Data Query Management Procedure.

SECTION 5—ADDITIONAL INFORMATION

Provide any additional comments that would be useful to the Data Governing Board in considering this request.

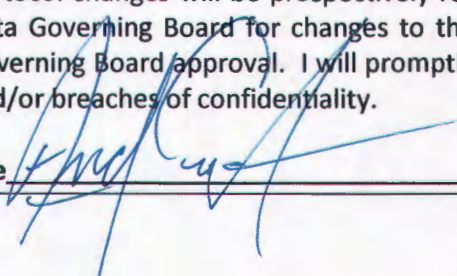
Since this is one of the very first data requests to P20 WIN, it is expected that the query will may need to be repeated multiple times before establishing that the system can run without error. DOL is requesting the ability to run the same test evaluation query up to 15 times as a part of the testing process.

SECTION 6 – SIGNATURE OF REQUESTOR AND DATE

12.1 Signature of Principal Requestor

I understand that the entities that are providing data to P20 WIN (hereinafter Participating Agencies) have made reasonable efforts to ensure that the data available through P20 WIN are up-to-date, accurate, complete and comprehensive at the time of disclosure. These records reflect data as reported to the Participating Agencies by their data-submitting organizations for the reporting period indicated. Changes or updates to the data may occur after the time of disclosure and may impact data that have previously been made available. The Participating Agencies are not responsible for data that are misinterpreted or altered in any way. Derived conclusions and analyses generated from this data are not to be considered attributable to the Participating Agencies or the participating organization(s) from which the data originated.

I certify that the information supplied in this form, with attachments, is complete, accurate. The analysis will be conducted according to the protocol approved by the Data Governing Board, applicable federal, state and local laws regarding the protection of education records and unemployment insurance records. I will ensure that all protocol changes will be prospectively reviewed by the Data Governing Board. I will request approval from the Data Governing Board for changes to the study and will not implement proposed changes until I receive Data Governing Board approval. I will promptly report to the Data Governing Board any related complaints, problems, and/or breaches of confidentiality.

Signature  Date 6/13/2014

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DATA GOVERNING BOARD REVIEW DOCUMENT - **QUERY REQUEST**

This form and all attachments are completed by the P20 WIN Data Governing Board in response to a query request.

SECTION 1 – BASIC REQUEST INFORMATION

Application Submission Date: 06-12-2014

TYPE OF SUBMISSION: Initial Application Continuation Repeat Modification

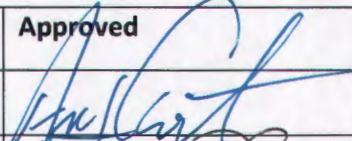
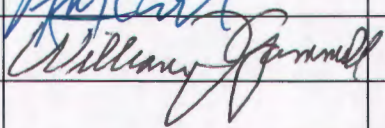
P20 WIN Query Number: P20W_1310_3_0003.n

Query Title: BOR-DOL Employment Evaluation

Agencies from which data is being requested (Check all that apply):

SDE BOR DOL

The Policy Lead from Each Participating Agency Completes indicates their approval or denial of the query to enable an audit/evaluation of education programs according to FERPA.

Agency	Name	Approved	Denied	Comment	Date
DOL	Andrew Condon				6/13/14
BOR	Bill Gammell				

Is each agency in agreement? Yes No

Next steps:

- If the participating agencies whose data would be included in this specific data request each approve the query, then representatives from each of the included agencies must sign a Memorandum of Agreement for a P20 WIN Data Request.
- Data Governing Board Review Document is shared with the requestor
- Data query process is aborted or continues based upon the decision made.