

**2020/25 BEGINNING POSTSECONDARY  
STUDENTS LONGITUDINAL STUDY (BPS:20/25)  
~~FIELD TEST~~FULL-SCALE**

**Appendixes A-B**

- A. Technical Review Panel ~~Members (Invited to Meeting 1)~~Attendees
- B. Confidentiality for Administrative Record Matching

**OMB # 1850-0631 v. 2021**

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National Center for Education Statistics  
U.S. Department of Education

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# Appendix A

## Technical Review Panel Members

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### TECHNICAL REVIEW PANEL

#### Eric Atchison

Arkansas State University System  
501 Woodlane Street, Suite 600  
Little Rock, AR 72201  
Phone: (501) 660-1015  
Email: eatchison@asusystem.edu

#### Dominique Baker

~~Southern Methodist University of Delaware~~  
3101 University Blvd, Suite 345  
Box 750114  
Dallas, TX 75275  
Phone: (214) 768-1012  
Email: djbaker@smuudel.edu

#### Angela Boatman

~~Boston College~~  
Email: ~~angela.boatman@bc.edu~~

#### Peace Bransberger

Western Interstate Commission for Higher Education  
3035 Center Green Dr Ste  
Boulder, CO 80301  
Phone: (303) 541-0257  
Email: pbransberger@wiche.edu

#### Angela Boatman

~~Boston College~~  
140 Commonwealth Avenue, Champion Hall  
Chestnut Hill, MA 02467  
Phone: (617) 552-8128  
Email: ~~angela.boatman@bc.edu~~

#### Alberto Cabrera

University of Maryland  
3112 Benjamin Building, Room E  
College Park, MD 20742  
Phone: (301) 405-2875  
Email: cabrera@umd.edu

#### Margaret Cahalan

Council for Opportunity in Education (COE)  
1025 Vermont Avenue NW, 9th Floor  
Washington, DC 20005  
Phone: (202) 347-7430  
Email: margaret.cahalan@pellinstitute.org

#### Rong Chen

Seton Hall University  
Email: rong.chen@shu.edu

#### James Cole

Indiana University Center for Postsecondary Research  
1900 East 10th Street, Suite 419  
Bloomington, IN 47406  
Phone: (812) 856-3004  
Email: colejs@indiana.edu

#### Bryan Cook

Association of Public & Land Grant Universities  
1307 New York Avenue NW, Suite 400  
Washington, DC 20005  
Phone: (202) 478-6040  
Urban Institute  
Email: bcook@apluurban.org

#### Bradley Curs

University of Missouri  
202 Hill Hall  
Columbia, MO 65211  
Phone: (573) 882-2759  
Email: cursb@missouri.edu

#### Kim Dancy

Institute for Higher Education Policy  
1825 K Street NW, Suite 720  
Washington, DC 20006  
Phone: (202) 861-8223  
Email: kdancy@ihep.org

#### William Doyle

Vanderbilt University  
230 Appleton Place, Peabody #414  
Nashville, TN 37203  
Phone: (615) 322-2904  
Email: w.doyle@vanderbilt.edu

**Nicholas Hillman**

University of Wisconsin-Madison  
[1000 Bascom Mall, Education Building, Room 249](#)  
Madison, WI 53706  
———[Phone: \(812\) 345-1435](tel:(812)345-1435)  
———[Email: nwhillman@wisc.edu](mailto:nwhillman@wisc.edu)

**Aaron Horn**

Midwestern Higher Education Compact  
[105 Fifth Avenue S, Suite 450](#)  
Minneapolis, MN 55401  
———[Phone: \(612\) 677-2768](tel:(612)677-2768)  
———[Email: aaronh@mhec.org](mailto:aaronh@mhec.org)

**Jane Kim**

[American Council on Education](#)  
[Email: jkim@acenet.edu](mailto:jkim@acenet.edu)

**Jillian Klein**

Strategic Education, Inc.  
[2303 Dulles Station Blvd](#)  
Herndon, VA 20171  
[Email: jillian.Klein@strategiced.com](mailto:jillian.Klein@strategiced.com)

**Bao Le**

Association of Public & Land Grant Universities  
[1307 New York Avenue NW, Suite 400](#)  
Washington, DC 20005  
———[Phone: 202-478-6043](tel:202-478-6043)  
———[Email: ble@aplu.org](mailto:ble@aplu.org)

**Matthew Mayhew**

The Ohio State University  
[127 Arps Hall, 1945 N. High Street](#)  
Columbus, OH 43210  
———[Phone: 202-478-6043](tel:202-478-6043)  
———[Email: mayhew.65@osu.edu](mailto:mayhew.65@osu.edu)

**David Monaghan**

Shippensburg University of Pennsylvania  
[Grove Hall 433](#)  
Shippensburg, PA 17257  
———[Phone: \(717\) 477-1777](tel:(717)477-1777)  
———[Email: dbmonaghan@ship.edu](mailto:dbmonaghan@ship.edu)

**Hironao Okahana**

~~American Council on Education~~  
[1 Dupont Cir NW](#)  
Washington, DC 20036  
———[Phone: \(202\) 939-9736](tel:(202)939-9736)  
———[Email: hokahana@acenet.edu](mailto:hokahana@acenet.edu)

**Kent Phillippe**

American Association of Community Colleges  
[One Dupont Circle NW, Suite 410](#)  
Washington, DC 20036  
———[Phone: \(202\) 728-0200](tel:(202)728-0200)  
———[Email: kphillippe@aacc.nche.edu](mailto:kphillippe@aacc.nche.edu)

**Lauren Schudde**

**Judith Scott-Clayton**  
[Columbia University of Texas at Austin](#)  
[College of Education 1912 Speedway, Stop D5000](#)  
Austin, TX 78712

Phone: (512) 471-1623  
Email: [schudde@austin.utexas.edu](mailto:schudde@austin.utexas.edu)  
[clayton@exchange.tc.columbia.edu](mailto:clayton@exchange.tc.columbia.edu)

**Marvin Titus**  
University of Maryland  
Benjamin Building 3209  
College Park, MD 20742  
Phone: (301) 405-2220  
[Independent Consultant](#)  
Email: [mtitus@umd.edu](mailto:mtitus@umd.edu)

**Xueli Wang**  
University of Wisconsin-Madison  
270 H Education Building  
1000 Bascom Mall  
Madison, WI 0  
Phone: (608) 263-5451  
Email: [xwang273@wisc.edu](mailto:xwang273@wisc.edu)

**Jeff Webster**  
Trellis Company  
301 Sundance Parkway  
Round Rock, TX 78681  
Phone: (800) 252-9743  
[Independent Consultant](#)  
Email:  
[jeff.webster@trelliscompany.org](mailto:jeff.webster@trelliscompany.org)  
[jeffwebsterhighered@gmail.com](mailto:jeffwebsterhighered@gmail.com)

#### FEDERAL PARTICIPANTS

**Benjamin Collins**  
**Rita Zota**  
Congressional Research Service  
101 Independence Avenue SE  
Washington, DC 20540  
Phone: (202) 707-7382  
Email: [bcollinsrzota@crs.loc.gov](mailto:bcollinsrzota@crs.loc.gov)

**Catherine Derbes**

## FEDERAL PARTICIPANTS

### Ashley Clark

Office of Management and Budget  
725 17th St., NW  
Washington, DC 20503  
———Email:  
Gatherine\_A\_Derbesashley.n.clark@omb.eop.gov

### Neil Danberg

Office of Management and Budget  
725 17th St., NW  
Washington, DC 20503  
———Email: Neil\_B.\_Danberg@omb.eop.gov

### John Finamore

### Amber Levanon Seligson

National Science Foundation  
4201 Wilson Boulevard, Suite 965  
Arlington, VA 22230  
———Phone: (703) 292-2258  
———Email: jfinamorealevanon@nsf.gov

### Noah Mann

Office of Management and Budget  
725 17th St., NW  
Washington, DC 20503  
Phone: (202) 395-3256  
———Email: Noah\_S\_Mann@omb.eop.gov

### Jordan Matsudaira

~~U.S. Department of Education, Chief Economist~~  
400 Maryland Ave. SW  
Washington, DC 20202  
Phone: (212) 678-3430  
Email: jordan.matsudaira@ed.gov

### John Mingus, Jr.

U.S. Government Accountability Office  
441 G Street NW  
Washington, DC 20548  
———Phone: (202) 512-4987  
———Email: MingusJ@gao.gov

### Jagir Patel

~~The White House~~  
Office of Management and Budget  
725 17<sup>th</sup> Street NW  
Washington, DC 20503  
———Email: JPatel@omb.eop.gov

### Daniel Pollard

U.S. Department of Education, Federal Student Aid  
830 First St NE  
Washington, DC 20002  
Phone: (202) 377-3389  
———Email: Daniel.Pollard@ed.gov

### Rich Williams

~~U.S. Department of Education, Office of~~  
Postsecondary Education  
400 Maryland Avenue, S.W.  
Washington, DC 20202  
Email: rich.williams@ed.gov

## U.S. DEPARTMENT OF EDUCATION, NCES

### Peggy Carr

U.S. Department of Education  
550 12th Street SW  
Potomac Center Plaza (PCP), Room 4054  
Washington, DC 20202  
———Phone: (202) 245-6168  
———Email: Peggy.Carr@ed.gov

**Carrie Clarady**

~~U.S. Department of Education, OMB Liason  
725 17th St., NW  
Washington, DC 20503  
Phone: (202) 245-6347  
Email: [carrie.clarady@ed.gov](mailto:carrie.clarady@ed.gov)~~

~~Email: [david.richards@ed.gov](mailto:david.richards@ed.gov)~~

**Chris Chapman**

~~U.S. Department of Education, NCES  
550 12th Street SW  
Potomac Center Plaza (PCP), Room 4054  
Washington, DC 20202  
Phone: (202) 245-7103  
Email: [chris.chapman@ed.gov](mailto:chris.chapman@ed.gov)~~

**Elise Christopher**

~~U.S. Department of Education, NCES  
550 12th Street SW  
Potomac Center Plaza (PCP), Room 4005  
Washington, DC 20202  
Phone: (202) 245-7098  
Email: [elise.christopher@ed.gov](mailto:elise.christopher@ed.gov)~~

**Carrie Clarady**

U.S. Department of Education, NCES  
Email: [carrie.clarady@ed.gov](mailto:carrie.clarady@ed.gov)

**Tracy Hunt-White**

~~U.S. Department of Education, NCES  
550 12th Street SW  
Potomac Center Plaza (PCP), Room 4007  
Washington, DC 20202  
Phone: (202) 245-6507  
Email: [tracy.hunt-white@ed.gov](mailto:tracy.hunt-white@ed.gov)~~

**Tara Lawley**

~~U.S. Department of Education, NCES  
550 12th Street SW  
Potomac Center Plaza (PCP), Room 4167  
Washington, DC 20202  
Phone: (202) 245-7081  
Email: [tara.lawley@ed.gov](mailto:tara.lawley@ed.gov)~~

**Gail Mulligan**

~~U.S. Department of Education, NCES  
550 12th Street SW  
Potomac Center Plaza (PCP), Room 4037  
Washington, DC 20202  
Phone: (202) 245-8413  
Email: [Gail.Mulligan@ed.gov](mailto:Gail.Mulligan@ed.gov)~~

**David Richards**

~~U.S. Department of Education, NCES  
550 12th Street SW  
Potomac Center Plaza (PCP), Room 4037  
Washington, DC 20202  
Phone: (202) 245-6202~~

**Sean Simone**

U.S. Department of Education, NCES  
550 12th Street SW  
Potomac Center Plaza (PCP), Room 4037  
Washington, DC 20202  
Phone: (202) 987-0764  
Email: [david.richards@ed.gov](mailto:david.richards@ed.gov)

**Charles Sanchez**

U.S. Department of Education, -NCES  
Email: [charles.sanchez@ed.gov](mailto:charles.sanchez@ed.gov)

**Sean Simone@ed.gov**

U.S. Department of Education, NCES  
Email: [Sean.Simone@ed.gov](mailto:Sean.Simone@ed.gov)

**AMERICAN INSTITUTES FOR RESEARCH**

**Emma Cohen**

American Institutes for Research  
Email: [ecohen@air.org](mailto:ecohen@air.org)

**Benjamin Farber**

American Institutes for Research  
Email: [bfarber@air.org](mailto:bfarber@air.org)

**Dana Shaat**

American Institutes for Research  
Email: [dshaat@air.org](mailto:dshaat@air.org)

**RTI INTERNATIONAL**

**Chris Bennett**

RTI International  
Email: [cbennett@rti.org](mailto:cbennett@rti.org)

**Michael Bryan**

RTI International  
3040 East Cornwallis Road  
P.O. Box 12194  
Research Triangle Park, NC 27709  
Phone: (919) 541-7498  
Email: [mbryan@rti.org](mailto:mbryan@rti.org)

**Alyson Caruso**

RTI International  
~~RTI International~~  
3040 East Cornwallis Road  
P.O. Box 12194  
Research Triangle Park, NC 27709  
Phone: 919-541-6027  
Email: [acaruso@rti.org](mailto:acaruso@rti.org)

**Darryl Cooney**

RTI International  
3040 East Cornwallis Road  
P.O. Box 12194  
Research Triangle Park, NC 27709  
Phone: (919) 316-3486  
Email: [dcooney@rti.org](mailto:dcooney@rti.org)

**Jeff Franklin**

RTI International  
3040 East Cornwallis Road  
P.O. Box 12194  
Research Triangle Park, NC 27709  
Phone: (919) 485-2614  
Email: [jwf@rti.org](mailto:jwf@rti.org)

**Harper Haynes**

RTI International  
3040 East Cornwallis Road  
P.O. Box 12194

Research Triangle Park, NC 27709

Phone: (919) 541-6205

Email: hhaynes@rti.org

**Jordan Holley**

RTI International

3040 East Cornwallis Road

P.O. Box 12194

Research Triangle Park, NC 27709

Phone: (919) 541-6244

Email: jmholley@rti.org

**Joshua Pretlow**

RTI International

3040 East Cornwallis Road

P.O. Box 12194

Research Triangle Park, NC 27709

Phone: (919) 541-6432

Email: jpretlow@rti.org

**Nestor Ramirez**

RTI International

3040 East Cornwallis Road

P.O. Box 12194

Research Triangle Park, NC 27709

Phone: (919) 316-3810

Email: nramirez@rti.org

**Jerry Timbrook**

RTI International

3040 East Cornwallis Road

P.O. Box 12194

Research Triangle Park, NC 27709

Phone: (919) 541-8967

Email: jtimbrook@rti.org

**Ashley Wilson**

RTI International

3040 East Cornwallis Road

P.O. Box 12194

Research Triangle Park, NC 27709

Phone: (919) 541-7092

Email: awilson@rti.org

**Jennifer Wine**

RTI International

3040 East Cornwallis Road

P.O. Box 12194

Research Triangle Park, NC 27709

Phone: (919) 541-6870

Email: jennifer@rti.org



**Appendix B**  
**Confidentiality for Administrative Record**  
**Matching**

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## B.1 Develop Linkages with Administrative Data Sources

Linkages will be developed with existing data sources to supplement the 2020/25 Beginning Postsecondary Students Longitudinal Study (BPS:20/25). The National Center for Education Statistics (NCES) recognizes the great value added to the BPS:20/25 data file with the addition of data from specific administrative data sources given that certain data, such as specific financial aid amounts and associated dates, can only be accurately obtained from sources other than the student. NCES postsecondary studies, including previous cycles of the National Postsecondary Student Aid Study (NPSAS), the Beginning Postsecondary Students Longitudinal Study (BPS), and the Baccalaureate and Beyond Longitudinal Study (B&B), have included file merges with many existing sources of valuable data, including the Department of Education's (ED) [FAFSA Processing System \(FPS, formerly known as the Central Processing System \(CPS\) for Free Application for Federal Student Aid \(FAFSA\) data\)](#), the National Student Loan Data System (NSLDS), the National Student Clearinghouse (NSC), College Board, and the Veterans Benefits Administration's (VBA) data. For this study, NCES will perform file merges with the following datasets: [CPSFPS](#), NSLDS, NSC, and VBA.

As described in more detail in Section A.10 of the Supporting Statement Part A, which is a part of this request, the Family Educational Rights and Privacy Act (FERPA) (34 CFR Part 99) allows the disclosure of information without prior consent for the purposes of BPS:20/25 according to 34 CFR §99.31.

**Secure Data Transfers.** In order to transfer data between the BPS:20/25 contractor and owners of the desired datasets, data files will undergo validated encryption and be transferred through a secure electronic data transfer system (<https://transfer.ies.ed.gov/>) using Secure Sockets Layer (SSL) technology. The contractors must be registered users of the NCES Members Site with privileges set to allow them to use the secure data transfer service. These privileges are set up and carefully controlled by the Institute of Education Sciences (IES) Chief Technology Officer (CTO). This service has been designed specifically for the secure transfer of electronic files containing personally identifiable information (PII), such as social security numbers (SSNs), names, and dates of birth of study sample members along with their survey IDs (different from the IDs used in the restricted-use data files), i.e., data protected under the Privacy Act or otherwise posing risk of disclosure. This service can be used for NCES-to-Contractor; Contractor-to-Subcontractor; Subcontractor-to-Contractor; and Contractor-to-Other-Agency data transfers. Matching of sample members to the external datasets will be initiated by: (a) the BPS:20/25 contractor creating a password-protected, encrypted file containing sample members' PII; (b) uploading the electronic file to the file transfer system for pick-up by the external data source; and (c) the external data source processing the data on their database and providing the matched data on the file transfer system for secure download. The party uploading data into the file transfer system is responsible for deleting the file(s) after the successful transfer has been confirmed. Software has been developed to create the files for the merge and also to read the data received. All matching processes are initiated by the BPS:20/25 data collection staff providing a file with one record per sample member to be merged. This service will be used for the file matching procedures described below, except in instances when the vendor already has a secure data transfer system in place.

## B.2 File Merge with ~~ED-Central~~[FSA's Free Application for Federal Student Aid \(FAFSA®\) Processing System \(CPSFPS\)](#)

File merges will be performed by the contractor with the ~~CPS data~~[FPS](#) containing federal student aid application information. The merge with [CPSFPS](#) will only occur for cases with an SSN that meets the criteria for validity. A file containing the SSN and the first two letters of the sample member's last name (but no other information) will be electronically uploaded to the FAFSA secure website for matching. Access to the FAFSA data site is restricted to authorized users who are registered and provide identification/authentication information (ID, password, and token key). The file is retrieved ~~by the CPS (FAFSA contractor data system)~~ for linkage. The linked file, containing student aid applications for matched records, is then made available to the data collection contractor through a secure connection, which also requires ID, password, and token key. [Note that this is the current process, and it may need to be adjusted based on the requirements of the new FPS system.](#) Files will be

downloaded directly into the contractor's [Enhanced Security FIPS Moderate Network \(ESN\)](#). All [CPS FIPS](#) files will be processed, edited, and documented for inclusion in the final restricted use file (RUF).

### **B.3 File Merge with National Student Loan Data System (NSLDS) Disbursement**

A file merge will be conducted with NSLDS to collect federal loan and Pell Grant data. The resulting file will contain cumulative amounts for each student's entire postsecondary education enrollment. There are two methods for obtaining NSLDS data. One is an automated process developed specifically for NCES studies. A file containing SSNs, names, and dates of births are uploaded through the same secure connection discussed in section B.2 for CPS which requires ID, password, and token key. The results file is transmitted back to the study contractor using the same system. In the second process for obtaining NSLDS data, the study contractor uploads a file of SSNs via IES File Transfer System. The file merge is performed using custom SQL queries and matched files are downloaded through the same IES site.

### **B.4 File Merge with the National Student Clearinghouse (NSC)**

The NSC will be used to obtain the *Student Tracker* data on institutions attended, enrollment dates, and degree completions for the BPS:20/25 sample. The data collection contractor will first set up an account with NSC which will enable sending and receiving of files securely over encrypted FTPS connections. The file containing PII will be encrypted and then submitted to the Clearinghouse using their secure FTP site. All files received by NSC will be securely stored using current industry standard tools that meet the U.S. federal encryption standard. Results files will be returned to the contractor through the same encrypted FTPS site. The contractor has a data use agreement in place with NSC for NPSAS:24 that includes BPS:20/25.

### **B.5 File Merge with the Veterans Benefits Administration (VBA)**

To identify veterans and their federal Veteran's education benefits, a file merge will be performed with VBA data, containing the military service records of all applicable sample members, so that variables pertaining to military service can be derived. The data obtained from VBA will also contain detailed information on veterans' federal education benefit amounts and the enrollment information associated with those benefits. Matching of sample members to VBA data uses PII to assist VBA staff in performing confirmatory data quality checks. The data collection contractor will initiate this process by providing a file containing sample member information to the VBA as a password-protected, encrypted file uploaded through the secure IES data transfer system for pick-up by the VBA. The VBA will process the data on their database and provide the matched data on the IES File Transfer system for secure download.

### **B.6 Other Potential File Merges**

The **B.6** BPS:20/25 contractor could explore matches to additional data providers such as Experian and the National Directory of New Hires (NDNH). As with all other file merges, the contractor will store PII within the FIPS Moderate Network, use approved secure file transfer methods, and ensure matched data are stored and used in accordance with the relevant data-use agreement.

### **B.7 Processing Administrative Data**

The BPS:20/25 contractor will send files for matching during data collection. Files may need to be matched to a source (e.g., CPS or NSLDS) more than once during the course of the full-scale study. All of the collected information may be used only for statistical purposes and may not be disclosed, or used, in identifiable form for any other purpose except as required by law (20 U.S.C. §9573 and 6 U.S.C. §151). The data from all of these sources, when allowed by the vendor and stripped of direct identifiers, will be delivered for inclusion on the RUF and will be used for creating derived variables. The derived variables will be available on DataLab's PowerStats. Both direct-pull and derived variables will be documented thoroughly. Data will also be used for locating sample members, for panel maintenance and communications encouraging survey participation.