**Appendix A  
Technical Review Panel (TRP) Members**

**Technical Review Panel**

Jeff Allum

Director, Research and Policy Analysis

Council of Graduate Schools

One Dupont Circle NW

Washington, DC 20036

Phone: (202)223-3791

Email: jallum@cgs.nche.edu

Michelle Appel

Director, Enrollment Policy & Planning – IRPA

University of Maryland

1101 Mitchell Building

College Park, MD 20742

Phone: (301)405-0475

Email: mappel@umd.edu

Terry Bazan

Executive Director of Student Assistance

Austin Community College

5930 Middle Fiskville Road

Austin, TX 78752

Phone: (512)223-7550

Email: tbazan@austincc.edu

Vasilios Bournas

Senior Reporting & Policy Research Analyst

DeVry Education Group

3005 Highland Parkway

Downers Grove, IL 60515

Phone: (630)515-5463

Email: vbournas@devrygroup.com

Alberto Cabrera

Professor

University of Maryland

3112 Benjamin Building

College Park, MD 20742

Phone: (301)405-2875

Email: cabrera@umd.edu

Margaret Cahalan

Vice President for Research & Director

The Pell Institute, Council for Opportunity in Education

1025 Vermont Avenue NW

Suite 1020

Washington, DC 20005

Phone: (202)347-7430

Email: margaret.cahalan@pellinstitute.org

Stephanie Cellini

Associate Professor

The George Washington University

805 21st Street NW

Room 601M

Washington, DC 20052

Phone: (202)994-0019

Email: scellini@gwu.edu

Kevin Eagan

Assistant Professor in Residence

University of California, Los Angeles

405 Hillgard Avenue

3101 D Moore Hall

Box 951521

Los Angeles, CA 90095

Phone: (310)206-3448

Email: keagan@ucla.edu

Charlotte Etier

Research Analyst

National Association of Student Financial Aid Administrators

1101 Connecticut Avenue NW

Suite 1100

Washington, DC 20036

Phone: (202)785-6943

Email: etierc@nasfaa.org

Carla Fletcher

Senior Research Analyst

TG Research and Analytical Services

301 Sundance Parkway

Round Rock, TX 78681

Phone: (512)219-4637

Email: carla.fletcher@tgslc.org

Fred Galloway

Professor, Leadership Studies

University of San Diego, School of Leadership and Education Science

5998 Alcala Park

Office: MRH-275H

San Diego, CA 92110

Phone: (619)260-7435

Email: galloway@sandiego.edu

Taylor Hansen

Senior Government Relations Associate

Association of Private Sector Colleges and Universities

1101 Connecticut Avenue NW

Suite 900

Washington, DC 20036

Phone: (202)336-6707

Email: taylor.hansen@apscu.org

Donald Heller

Dean, College of Education

Michigan State Univeristy

501 Erickson Hall

620 Farm Lane

East Lansing, MI 48824

Phone: (517)355-1734

Email: dheller@msu.edu

Brad Hershbein

Economist

W.E. Upjohn Institute for Employment Research

300 South Westnedge Avenue

Kalamazoo, MI 49007

Phone: (269)385-0437

Email: hershbein@upjohn.org

Nick Hillman

Assistant Professor

University of Wisconsin-Madison

1000 Bascom Mall

Room 249

Madison, WI 53706

Phone: (608)262-3106

Email: nwhillman@wisc.edu

Ozan Jaquette

Assistant Professor, College of Education

University of Arizona

1430 East Second Street

Room 327A

Tucson, AZ 85721

Phone: (734)709-3835

Email: ozanj@email.arizona.edu

Daniel Klasik

Assistant Professor of Higher Education Administration

The George Washington University

2134 G Street NW

Washington, DC 20052

Phone: (202)994-1453

Email: djklasik@gwu.edu

Alexander McCormick

Associate Professor and NSSE Director

Center for Postsecondary Research

Indiana University Bloomington

1900 East 10th Street, Suite 419

Bloomington, IN 47406

Phone: (812)856-4435

Email: amcc@indiana.edu

Catherine Millett

Senior Research Scientist

Educational Testing Service

660 Rosedale Road

MS 01-R

Princeton, NJ 08541

Phone: (609)240-2556

Email: cmillett@ets.org

Chad Muntz

Director, Institutional Research

University System of Maryland

3300 Metzerott Road

Adelphi, MD 20783

Phone: (301)445-2737

Email: cmuntz@usmd.edu

Christopher Nellum

Senior Policy Research Analyst

American Council on Education

One Dupont Circle NW

Suite 1B

Washington, DC 20036

Phone: (202)939-9405

Email: cnellum@acenet.edu

Toby Park

Assistant Professor

Florida State University, College of Education

P.O. Box 3064452

1205D Stone Building

Tallahassee, FL 32311

Phone: (850)644-8168

Email: tjpark@@fsu.edu

Kent Phillippe

Associate Vice President, Research & Student Success

American Association of Community Colleges

One Dupont Circle NW

Suite 410

Washington, DC 20036

Phone: (202)416-4505

Email: kphillippe@aacc.nche.edu

Jason Ramirez

Director of Research and Policy Analysis

National Association of Independent Colleges and Universities

1025 Connecticut Avenue NW

Suite 700

Washington, DC 20036

Phone: (202)835-0003

Email: jason@naicu.edu

Kim Rueben

Senior Fellow

Urban Institute

2100 M Street NW

Washington, DC 20037

Phone: (202)261-5662

Email: krueben@urban.org

Rajat Shah

Senior Vice President, Student Financial Services

Lincoln Technical Institute

200 Executive Drive

Suite 340

West Orange, NJ 07052

Phone: (201)953-2246

Email: rshah@lincolntech.com

Kurt Slobodzian

Vice President, Research

Nexus Research and Policy Center

5662 South Amberwood Drive

Chandler, AZ 85248

Phone: (602)568-1178

Email: kurt646@gmail.com

Jeff Strohl

Director of Research

Georgetown University Center on Education and the Workforce

3300 White Haven, Suite 5000

Washington, DC 20007

Phone: (202)687-4945

Email: js787@georgetown.edu

Randy Swing

Executive Director

Association for Institutional Research

1435 East Piedmont Drive

Tallahassee, FL 32308

Phone: (850)385-4155

Email: rswing@airweb.org

Omari Swinton

Associate Professor

Howard University, Department of Economics

2400 6th Street NW

ASB-B, Room 319

Washington, DC 20059

Phone: (202)806-6774

Email: oswinton@howard.edu

Scott Thomas

Professor of Education and Dean

Claremont Graduate University, School of Educational Studies

150 East 10th Street

Claremont, CA 91711

Phone: (909)607-3786

Email: scott.thomas@cgu.edu

Jessica Thompson

Senior Policy Analyst

The Institute for College Access & Success

1111 16th Street NW

Suite 310

Washington, DC 20036

Phone: (202)223-6060

Email: jthompson@ticas.org

Paul Umbach

Professor

North Carolina State University

300 Poe Hall, Box 7801

Raleigh, NC 27603

Phone: (919)515-9366

Email: paul\_umbach@ncsu.edu

Mamie Voight

Director of Policy Research

Institute for Higher Education Policy

1825 K Street NW

Suite 720

Washington, DC 20006

Phone: (202)587-4967

Email: mvoight@ihep.org

Brian Weingart

Senior Director of Financial Aid

West Virginia Higher Education Policy Commission

1018 Kanawha Boulevard East

Suite 700

Charleston, WV 25301

Phone: (304)558-4618

Email: brian.weingart@wvhepc.edu

**Federal Panelists**

Xiaoling Ang

Economist, Office of Research

Consumer Financial Protection Bureau

1275 First Street NE

Suite 827-C

Washington, DC 20008

Phone: (202)435-7686

Email: xiaoling.ang@cfpb.gov

Donald Conner

U.S. Department of Education, OPE

1990 K Street NW

Room 8030

Washington, DC 20006

Phone: (202)502-7818

Email: donald.conner@ed.gov

Daniel Goldenberg

Management and Program Analyst

U.S. Department of Education, OPEPD

400 Maryland Avenue SW

Room 5W308

Washington, DC 20202

Phone: (202)401-3562

Email: daniel.goldenberg@ed.gov

Nimmi Kannankutty

Acting Deputy Division Director, Division of Graduate Education

National Science Foundation

4201 Wilson Boulevard

Suite 875

Arlington, VA 22230

Phone: (703)292-7797

Email: nkannank@nsf.gov

Kashka Kubzdela

Research Scientist

U.S. Department of Education, NCES

1990 K Street NW

Room 9014

Washington, DC 20006

Phone: (202)502-7411

Email: kashka.kubzdela@ed.gov

Rochelle Martinez

Statistician

Office of Management and Budget

725 17th Street NW

Room 10202 NEOB

Washington, DC 20503

Phone: (202)395-3147

Email: rochelle\_w.\_martinez@omb.eop.gov

Patrick McFadden

Education Business Analyst

U.S. Department of Veterans Affairs

810 Vermont Avenue NW

Washington, DC 20420

Phone: (202)273-5400

Emails: patrick.mcfadden@va.gov

John Mingus

Assistant Director

U.S. Government Accountability Office

441 G Street NW

Washington, DC 20548

Phone: (202)512-4987

Email: mingusj@gao.gov

Jon O'Bergh

Senior Policy Advisor

U.S. Department of Education, Office of the Undersecretary

400 Maryland Avenue SW

Washington, DC 20202

Phone: (202)260-8568

Email: jon.obergh@ed.gov

Daniel Pollard

Senior Advisor, Enterprise Data

U.S. Department of Education, FSA

830 First Street NE

Washington, DC 20202

Phone: (202)377-3389

Email: daniel.pollard@ed.gov

Richard Reeves

Branch Chief

U.S. Department of Education, NCES

1990 K Street NW

Room 8113A

Washington, DC 20006

Phone: (202)502-7436

Email: richard.reeves@ed.gov

Emilda Rivers

Program Director

National Science Foundation

4201 Wilson Boulevard

Suite 965 S

Arlington, VA 22230

Phone: (703)292-7773

Email: erivers@nsf.gov

David Smole

Specialist in Education Policy

Congressional Research Service

101 Independence Avenue SE

Mail Stop 7440

Washington, DC 20540

Phone: (202)707-0624

Email: dsmole@crs.loc.gov

Chris Sutherland

Education Business Analyst

U.S. Department of Veterans Affairs

810 Vermont Avenue NW

Washington, DC 20420

Phone: (202)273-5400

Emails: christopher.sutherland@va.gov

Matthew Valerius

Education Program Specialist

U.S. Department of Education

500 12th Street SW

Office 11-135

Washington, DC 20536

Phone: (202)245-7859

Email: matthew.valerius@ed.gov

**U.S. Department of Education, NCES**

**Sample Surveys Division**

Chris Chapman

Acting Associate Commissioner, Sample Surveys Divisions

U.S. Department of Education, NCES

1990 K Street NW,

Room 9042

Washington, DC 20006

Phone: (202)502-7414

Email: chris.chapman@ed.gov

Elise Christopher

Project Officer, ELS:2002 & HSLS:09

U.S. Department of Education, NCES

1990 K Street NW

Room 9026

Washington, DC 20006

Phone: (202)502-7899

Email: elise.christopher@ed.gov

Tracy Hunt-White

Education Statistician

U.S. Department of Education, NCES

1990 K Street NW

Room 8132

Washington, DC 20006

Phone: (202)502-7438

Email: tracy.hunt-white@ed.gov

David Richards

Project Officer, BPS:2012/14 & 2017

U.S. Department of Education, NCES

1990 K Street NW

Room 9030

Washington, DC 20006

Phone: (202)502-7395

Email: david.richards@ed.gov

Sean Simone

Statistician

U.S. Department of Education, NCES

1990 K Street NW

Room 8125

Washington, DC 20006

Phone: (202)502-7367

Email: sean.simone@ed.gov

Ted Socha

Mathematical Statistician

U.S. Department of Education, NCES

1990 K Street NW

Room 8130

Washington, DC 20006

Phone: (202)502-7383

Email: ted.socha@ed.gov

**RTI International**

Kristin Dudley

Research Programmer Analyst

RTI International

3040 East Cornwallis Road

P.O. Box 12194

Research Triangle Park, NC 27709

Phone: (919)541-6855

Email: marvill@rti.org

Jeff Franklin

Senior Survey Methodologist

RTI International

3040 East Cornwallis Road

P.O. Box 12194

Research Triangle Park, NC 27709

Phone: (919)485-2614

Email: jwf@rti.org

Natasha Janson

Research Education Analyst

RTI International

3040 East Cornwallis Road

P.O. Box 12194

Research Triangle Park, NC 27709

Phone: (919)316-3394

Email: njanson@rti.org

T. Austin Lacy

Education Research Analyst

RTI International

3040 East Cornwallis Road

P.O. Box 12194

Research Triangle Park, NC 27709

Phone: (919)990-8386

Email: tlacy@rti.org

Emilia Peytcheva

Survey Methodologist

RTI International

3040 East Cornwallis Road

P.O. Box 12194

Research Triangle Park, NC 27709

Phone: (919)541-7250

Email: epeytcheva@rti.org

David Radwin

Senior Research Associate

RTI International

2150 Shattuck Avenue

Suite 800

Berkeley, CA 94704

Phone: (510)665-8274

Email: dradwin@rti.org

Peter Siegel

Senior Statistician

RTI International

3040 East Cornwallis Road

P.O. Box 12194

Research Triangle Park, NC 27709

Phone: (919)541-6348

Email: siegel@rti.org

Jamie Wescott

Senior Research Associate

RTI International

3040 East Cornwallis Road

P.O. Box 12194

Research Triangle Park, NC 27709

Phone: (919)485-5573

Email: jwescott@rti.org

Jennifer Wine

Director, NPSAS:12 & BPS:12/14

RTI International

3040 East Cornwallis Road

P.O. Box 12194

Research Triangle Park, NC 27709

Phone: (919)541-6870

Email: jennifer@rti.org

**Consultants**

Sandy Baum

Consultant

George Washington University and Urban Institute

161 East Chicago Avenue

#45C

Chicago, IL 60611

Phone: (518)369-3774

Email: sbaum@email.gwu.edu

Alisa Cunningham

Consultant

Alisa Federico Cunningham, LLC

613 4th Street NW

Washington, DC 20002

Phone: (202)413-5381

Email: afc0029@yahoo.com

Stephen Porter

Professor

North Carolina State University

6416 Northwyck Place

Raleigh, NC 27609

Phone: (860)328-0154

Email: porterstephenr@gmail.com

Appendix B  
Endorsing Associations for NPSAS:16

The following organizations have confirmed that they have endorsed NPSAS:16 :

ACPA--College Student Educators Network International

American Association of Collegiate Registrars and Admissions Officers

American Association of Community Colleges

American Association of State Colleges and Universities

American Council On Education

Association for Institutional Research

Association of American Colleges and Universities

Association of Catholic Colleges and Universities

Association of Private Sector Colleges and Universities

Association of Public and Land-grant Universities

The Carnegie Foundation for the Advancement of Teaching

The College Board

Council of Graduate Schools

The Council of Independent Colleges

Hispanic Association of Colleges and Universities

Midwestern Higher Education Compact

NASPA-Student Affairs Administrators in Higher Education

National Association of College and University Business Officers

National Association of Independent Colleges and Universities

National Association of Student Financial Aid Administrators

New England Board of Higher Education

Southern Regional Education Board

State Higher Education Executive Officers

The United Negro College Fund

Western Interstate Commission for Higher Education

Appendix C  
Confidentiality for Administrative Record Matching

C.1 Develop Linkages with Administrative Data Sources

Linkages will be developed with existing data sources to supplement the 2015-16 National Postsecondary Student Aid Study (NPSAS:16) student data collection. NCES recognizes the great value added to the NPSAS:16 data file with the addition of data from specific administrative data sources as certain data, such as specific financial aid amounts and associated dates, can only be accurately obtained from sources other than the student or parent. Our postsecondary studies, including previous NPSAS studies, Beginning Postsecondary Student (BPS), and Baccalaureate and Beyond (B&B), have included file merges with many existing sources of valuable data, including Department of Education’s (ED) Central Processing System (CPS) for Free Application for Federal Student Aid (FAFSA) data, the National Student Loan Data System (NSLDS), and ACT. For this study, we plan to perform file merges with the following datasets: CPS, NSLDS, ACT, SAT, and National Student Clearinghouse.

The Family Educational Rights and Privacy Act (FERPA) (34 CFR Part 99) allows the disclosure of information without prior consent for the purposes of NPSAS:16 according to the following excerpts: 34 CFR § 99.31 asks, “Under what conditions is prior consent not required to disclose information?” and explains in 34 CFR § 99.31(a) that “An educational agency or institution may disclose personally identifiable information from an education record of a student without the consent required by §99.30 if the disclosure meets one or more” of several conditions. These conditions include, at 34 CFR § 99.31(a)(3):

The disclosure is, subject to the requirements of §99.35, to authorized representatives of--

(i) The Comptroller General of the United States;

(ii) The Attorney General of the United States;

(iii) The Secretary; or

(iv) State and local educational authorities.

NPSAS:16 is collecting data under the Secretary’s authority. Any personally identifiable information is collected with adherence to the security protocol detailed in 34 CFR § 99.35:

(a)(1) Authorized representatives of the officials or agencies headed by officials listed in §99.31(a)(3) may have access to education records in connection with an audit or evaluation of Federal or State supported education programs, or for the enforcement of or compliance with Federal legal requirements that relate to those programs.

(2) The State or local educational authority or agency headed by an official listed in §99.31(a)(3) is responsible for using reasonable methods to ensure to the greatest extent practicable that any entity or individual designated as its authorized representative—

(i) Uses personally identifiable information only to carry out an audit or evaluation of Federal- or State-supported education programs, or for the enforcement of or compliance with Federal legal requirements related to these programs;

(ii) Protects the personally identifiable information from further disclosures or other uses, except as authorized in paragraph (b)(1) of this section; and

(iii) Destroys the personally identifiable information in accordance with the requirements of paragraphs (b) and (c) of this section.

(b) Information that is collected under paragraph (a) of this section must—

(1) Be protected in a manner that does not permit personal identification of individuals by anyone other than the State or local educational authority or agency headed by an official listed in §99.31(a)(3) and their authorized representatives, except that the State or local educational authority or agency headed by an official listed in §99.31(a)(3) may make further disclosures of personally identifiable information from education records on behalf of the educational agency or institution in accordance with the requirements of §99.33(b); and

(2) Be destroyed when no longer needed for the purposes listed in paragraph (a) of this section.

As part of initial sampling activities, we will ask participating institutions to provide SSNs for all students on their enrollment list. Having an initial list of all student SSNs minimizes the time and burden on both the institutions and the data collection contractor. Institutions will only have to provide one enrollment list; if the SSNs were provided only for those students selected, the institutions would have to provide two separate enrollment lists. Immediately after the student sample is selected, the SSNs for non-selected students will be securely discarded.

**Secure Data Transfers.** NCES has set up a secure data transfer system, using the NCES member site with Secure Sockets Layer (SSL) technology, described above. The contractor will use this electronic system for submitting data containing potentially identifying information (such as SSNs, names, and dates of birth of our sample members) along with their survey ID (not the same ID that is available on the restricted-use data). Before being transmitted, files will be encrypted using FIPS 140-2 validated encryption tools. Data will be received from the NCES system as well. The system requires that both parties to the transfer be registered users of the NCES Members Site and that their Members Site privileges be set to allow use of the secure data transfer service as described above. This process will be used for all file matching procedures described below, except in instances when the vendor already has a secure data transfer system in place.

C.2 File Merge with ED Central Processing System (CPS)

File merges will be performed with the CPS data containing federal student aid application information by the data collection contractor. The merge with CPS can occur at any time for any number of cases, provided that the case has an apparently valid SSN associated with it. A file will be sent to CPS and in return a large data file containing all students who applied for federal aid will be received. The data collection contractor has programs and procedures in place to prepare and submit files according to rigorous CPS standards, and to receive and process data obtained from CPS.

A file will be electronically uploaded on the FAFSA secure web-site for matching which contains SSN and the first 2 letters of the sample member’s last name (but no other information). Access to the site for the upload is restricted to authorized users who are registered and provide identification/authentication information (SSN, DOB, and personal identification number [PIN]) to the FAFSA data site. The file is retrieved by the Central Processing System or CPS (the FAFSA contractor data system) for linkage. The linked file, containing student aid applications for matched records, is then made available to us only through a secure connection (EdConnect) which requires username and password. All CPS files will be processed, edited, and documented for inclusion on the analytic data files. All CPS files will be processed, edited, and documented for inclusion in the final restricted use file (RUF).

C.3 File Merge with National Student Loan Data System Disbursement

A file merge will be conducted by the data collection contractor with the NSLDS to collect federal loan and Pell grant data. The resulting file will contain cumulative amounts for each student’s entire postsecondary education enrollment. NCES has set up a secure data transfer system that uses their NCES member site and Secure Sockets Layer (SSL) technology. The system requires that both parties to the transfer be registered users of the NCES Members Site and that their Members Site privileges be set to allow use of the secure data transfer service. These privileges are set up and carefully controlled by the ED’s Institute of Education Sciences (IES) NCES Chief Technology Officer (CTO), a service designed by ED/NCES specifically for the secure transfer of electronic files containing personally identifying information (i.e., data protected under the Privacy Act or otherwise posing risk of disclosure), and can be used for NCES-to-Contractor; Contractor-to-Subcontractor; Subcontractor-to-Contractor; and Contractor-to-Other-Agency data transfers. The party uploading the information onto the secure server at NCES is responsible for deleting the file(s) after the successful transfer has been confirmed. Data transfers using this system will include notification to the ED/IES, the NCES CTO, and the NCES Deputy Commissioner as well as the ED/NCES project officer. The notification will include the names and affiliations of the parties in the data exchange/transfer and the nature and approximate size of the data to be transferred. Programs have been developed to create the files for the merge and also to read the data receive. All matching processes are initiated by the data collection staff providing a file with one record per sample member to be merged.

C.4 File Merge with ACT

To obtain valuable admissions test data, a file merge will be performed with American College Testing (ACT) data by the data collection contractor. The approach for this file matching will be similar to those described in the sections on CPS and NSLDS file merging. This matching process has been used since NPSAS:96.

Matching of students to ACT requires Social Security number (SSN), name and date of birth to assist the data vendor in performing confirmatory data quality checks. This process will be initiated by providing a file with one record per SSN. The same procedures will be used as described above for the NSLDS linkage: creating a password-protected, encrypted file using FIPS 140-2 validated encryption tools; uploading the electronic file on the NCES server for pick-up by ACT. ACT will process the data on their database and provide the matched data on the NCES server for our secure download. This file merge will only be conducted during the full-scale study.

C.5 File Merge with the College Board

To obtain SAT data, a file merge will be performed with the College Board by the data collection contractor. Matching of students to SAT data requires Social Security number (SSN), name and date of birth to assist the data vendor in performing confirmatory data quality checks. This process will be initiated by providing a file with one record per SSN. The same procedures will be used as described above for the NSLDS linkage: creating a password-protected, encrypted file using FIPS 140-2 validated encryption tools; uploading the electronic file on the NCES server for pick-up by the College Board. The College Board will process the data on their database and provide the matched data on the NCES server for our secure download. This file merge will only be conducted during the full-scale study.

C.6 File Merge with the National Student Clearinghouse

The National Student Clearinghouse will be used to obtain the *Student Tracker* data on institutions attended, enrollment dates, and degree completions for the NPSAS:16 sample.

The data collection contractor will first set up an account with the Clearinghouse which will enable sending and receiving of files securely over encrypted FTPS connections. The file containing sensitive student identifiers (name, date of birth, and Social Security number) will be encrypted using FIPS 140-2 validated encryption tools then submitted to the Clearinghouse using their secure FTP site. All files received by the Clearinghouse will be securely stored using FIPS 140-2 validated AES encryption, the US federal encryption standard. Matched files, containing data on enrollment dates, institution names, and degrees completed, will be returned to the data collection contractor using the same secure FTP site.

C.7 Processing Administrative Data

We propose to send files for matching after the student record abstractions are completed to ensure the availability of the maximum number of verified Social Security numbers and to facilitate the batch mode processing that is suitable to many of these resources. We may need to match to a source (for example, CPS or NSLDS) more than once.

The data from all of these sources, as allowed by the vendor, will be delivered for inclusion on the RUF and will be useful for creating derived variables. The derived variables will be available on PowerStats and QuickStats, and both direct-pull and derived variables will be documented thoroughly.