

Student Contacting Letters and E-Mail

Initial Letter

NPSAS:04

Endorsed byAmerican Association for
Higher EducationAmerican Association of
Collegiate Registrars and
Admissions OfficersAmerican Association of
Community CollegesAmerican Association of
State Colleges and
UniversitiesAmerican Association of
University ProfessorsAmerican Council on
EducationAmerican Federation of
TeachersAssociation for Institutional
ResearchAssociation of American
Colleges and UniversitiesAssociation of Catholic
Colleges and Universities

Career College Association

The Carnegie Foundation for
the Advancement of
TeachingCollege and University
Professional Association for
Human Resources

The College Board

The College Fund/UNCF

Council of Graduate Schools

The Council of Independent
CollegesNational Accrediting
Commission of Cosmetology
Arts and SciencesHispanic Association of
Colleges and UniversitiesNational Association of
College and University
Business OfficersNational Association for
Equal Opportunity in Higher
EducationNational Association of
Independent Colleges and
UniversitiesNational Association of State
Universities and
Land-Grant CollegesNational Association of
Student Financial Aid
AdministratorsNational Education
Association

<DATE>

<SM NAME>

<ADDRESS 1>

<ADDRESS 2>

<CITY, STATE ZIP>

Dear <SM NAME>:

I am writing to ask you to participate in an important study that will help determine how students and their families meet the cost of education beyond high school. For your participation, I would like for you to complete a questionnaire over the Internet. On average, the questionnaire takes about 25 minutes to complete.

When you access the questionnaire on the Internet, you will be asked questions about how you paid for your school expenses during the 2003–2004 school year, including whether you received financial aid. If you received financial aid, you will be asked whether the amount of aid was enough to meet your educational expenses. If you did not receive financial aid, you will be asked about how you met your school expenses.

Students from all types of institutions and all financial situations have been randomly selected to participate in the 2004 National Postsecondary Student Aid Study. Your responses along with those of other selected students will represent responses of all students enrolled in postsecondary education. Therefore, your participation in this study is critical.

To complete the questionnaire over the Internet:

Go to: <https://surveys.nces.ed.gov/npsas>,

Type the study ID and password (provided below) on the Home/Login page, and Press “Enter” or click “Login” to begin the questionnaire.


RTI International (RTI) of North Carolina is conducting the study for the U.S. Department of Education. To express our appreciation, **a \$10 check will be mailed to you, if you complete the questionnaire by <FILL DATE, 2004.>** If you are unable to complete the survey by that date, an RTI interviewer will call you to complete the questionnaire by telephone.

Participation in this study is voluntary and will not affect any aid or any benefits you receive. The enclosed pamphlet answers many common questions about the study and contains additional information on laws and procedures that protect the confidentiality of your responses.

If you have questions about the study, you can visit our web site at <https://surveys.nces.ed.gov/npsas>, you can call us toll-free at 1-866-NPSAS04 (1-866-677-2704), or you can e-mail us at npsas@rti.org. Persons who are hearing or speech-impaired can call us at 1-877-212-7230 (TDD).

We sincerely appreciate your participation and thank you in advance for helping us conduct this very important study.

Sincerely,



C. Dennis Carroll, Ph.D.
Associate Commissioner
Postsecondary Studies Division
Enclosures

Go to: https://surveys.nces.ed.gov/npsas Your study ID: <ID FILL> Your password: <PASSWORD FILL>
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Initial Letter (Spanish Version)

NPSAS:04

Aprobado por

American Association for
Higher Education

American Association of
Collegiate Registrars and
Admissions Officers

American Association of
Community Colleges

American Association of State
Colleges and Universities

American Association of
University Professors

American Council on
Education

American Federation of
Teachers

Association for Institutional
Research

Association of American
Colleges and Universities

Association of Catholic
Colleges and Universities

Career College Association

The Carnegie Foundation for
the Advancement of Teaching

College and University
Professional Association for
Human Resources

The College Board

The College Fund/UNCF

Council of Graduate Schools

The Council of Independent
Colleges

National Accrediting
Commission of Cosmetology
Arts and Sciences

Hispanic Association of
Colleges and Universities

National Association of
College and University
Business Officers

National Association for Equal
Opportunity in Higher
Education

National Association of
Independent Colleges and
Universities

National Association of State
Universities and
Land-Grant Colleges

National Association of
Student Financial Aid
Administrators

National Education
Association

Me dirijo a usted para pedirle su participación en un estudio de investigación importante que ayudará a determinar la manera en la que los estudiantes y sus familias financian el costo de la educación postsecundaria. En lo referente a su participación, le estamos pidiendo que complete un cuestionario en el Internet. Completar el cuestionario toma un promedio de 25 minutos.

Una vez que usted tenga acceso al cuestionario en el Internet, se le hacen preguntas sobre cómo pagó por sus gastos en el año escolar 2003-2004, incluyendo si es que usted recibió ayuda económica. Si recibió ayuda económica, se le pregunta si la cantidad de ayuda que recibió fue suficiente para afrontar sus gastos educacionales. Si usted no recibió ayuda económica, se le pregunta cómo afronta sus gastos educacionales.

Estudiantes de todo tipo de instituciones y condiciones económicas han sido seleccionados al azar para participar en el Estudio Nacional de Ayuda Financiera Postsecundaria del 2004. Sus respuestas junto a las de otros estudiantes seleccionados representarán a las respuestas de todos los estudiantes matriculados en estudios postsecundarios. Por lo tanto, su participación en el estudio es muy valiosa. Para completar el cuestionario en el Internet:

Diríjase a: <https://surveys.nces.ed.gov/npsas>.

Escriba en el teclado el código del identificación del estudio y la contraseña (que se proporciona abajo) en la página de registro (o 'Home/Login') y

Oprima la tecla 'Enter' o seleccione 'Login' para comenzar el cuestionario.

RTI Internacional de Carolina del Norte está llevando a cabo este estudio para el Departamento de Educación de los Estados Unidos. **Si usted completa el**

cuestionario antes del [fill date, 2004], se le enviarán \$10 dólares como muestra de nuestro agradecimiento. Si no puede completar este cuestionario para esa fecha, un entrevistador de RTI le llamará para completar la entrevista por teléfono.

La participación en este estudio es voluntaria y no afectará a la ayuda o beneficios que usted recibe. El folleto adjunto contesta a preguntas frecuentes sobre el estudio y contiene información adicional sobre leyes y procedimientos que protegen la confidencialidad de sus respuestas.

Si tiene preguntas sobre el estudio, usted puede visitar nuestro sitio web en:

<https://surveys.nces.ed.gov/npsas>, puede llamarnos gratis por teléfono al 1-866-

NPSAS04 (1-866-677-2704), o puede comunicarse con nosotros por correo electrónico a npsas@rti.org. Las personas que tengan problemas de audición o de habla pueden llamarnos al 1-877-212-7230 (TDD).

Apreciamos su participación y le agradecemos con anticipación por ayudarnos a llevar a cabo este importante estudio.

Atentamente,



C. Dennis Carroll, Ph.D.

Comisionado Asociado

División de Estudios Postsecundarios

Anexos

Web Insert

HOW TO COMPLETE THE NPSAS:04 QUESTIONNAIRE

To complete the self-directed web questionnaire:

1. Go to: <https://surveys.nces.ed.gov/npsas>
2. At the login and password prompts, enter your study ID and password.
3. Press “Enter” or click “Login” to begin the questionnaire.

If you need assistance in completing the self-directed web questionnaire or if you would like to complete the questionnaire over the phone, please call our Help Desk at 1-866-NPSAS04 (1-866-677-2704) for assistance.

You may complete the NPSAS web questionnaire at any time during the data collection period. We will also begin making calls asking study participants to complete the questionnaire over the phone starting on March 4, 2004.

For more information about this study visit the web site at:

<https://surveys.nces.ed.gov/npsas>

NOTE: The study has been approved by the Office of Management and Budget (OMB). The valid OMB control number for this information collection is 1850-0666. The expiration date is 2/28/06. Public reporting burden for this information request in its entirety is estimated at 25 minutes per response. You may send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the U.S. Department of Education, Information Management and Compliance Division, Washington, DC 20202-4651; and to the Office of Management and Budget, Paperwork Reduction Project 1850-0608, Washington, DC 20503.

Initial E-mail

E-mail Subject line: U.S. Department of Education Study

Dear <FNAME> <MNAME> <LNAME>,

You have been randomly selected to participate in a United States Department of Education study. This important study will help determine how students and their families meet the cost of education beyond high school. For your participation, I would like for you to complete a questionnaire over the Internet. On average, the questionnaire takes about 25 minutes to complete.

Students from all types of institutions and all financial situations are being asked to participate in the 2004 National Postsecondary Student Aid Study. Your responses along with those of selected students will represent responses of all students enrolled in postsecondary education. Therefore, your participation in this study is critical.

To find out more about the study, click the link below. To respond to the questionnaire over the Internet, log in using your study ID and password:

<https://surveys.nces.ed.gov/npsas/>

Study ID: <STUDYID>

Password: <PASSWORD>

The U.S. Department of Education has contracted with RTI International to conduct the study. To respond to the questionnaire by telephone or ask questions about the study, please call:

1-866-NPSAS04 (1-866-677-2704)

You will need to use Internet Explorer or Netscape as your browser to complete the web version.

As a small token of our appreciation, if you complete the questionnaire by <DATE28>, you will receive a \$10 check.

Your responses 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. Your responses will be secured behind firewalls and will be encrypted during Internet transmission. To learn more about the study and the laws protecting your confidentiality, please click on the link above.

Thank you in advance for your participation in this important study.

Sincerely,
John Riccobono, Ph.D.
NPSAS Project Director
RTI International

Note: To ensure that as many sample members as possible receive this message, we also have sent printed materials to you via U.S. mail. All the information in the printed materials also is available through the web site listed above.

Second E-mail

E-mail Subject line: U.S. Department of Education Study
Dear <FNAME> <MNAME> <LNAME>,

We are writing to urge your completion of the questionnaire for the 2004 National Postsecondary Student Aid Study (NPSAS:04), sponsored by the U. S. Department of Education. As indicated to you in previous correspondence, this important study will help determine how students and their families meet the cost of education beyond high school.

Students from all types of institutions and all financial situations are being asked to participate in the NPSAS:04 study and your participation is vital to its success. Your responses along with those of other selected students will represent responses of all students enrolled in postsecondary education. The results of this study are useful to policymakers interested in improving student financial aid policy and practice; therefore, your participation is critical.

To find out more about the study, click on the link below. To respond to the questionnaire over the Internet, log in using your study ID and password:

<https://surveys.nces.ed.gov/npsas/>

Study ID: <STUDYID>

Password: <PASSWORD>

On average, the questionnaire takes about 25 minutes to complete. The U.S. Department of Education has contracted with RTI International to conduct the study. To respond to the questionnaire by telephone (rather than over the Internet) or ask questions about the study, please call the RTI Help Desk at:

1-866-NPSAS04 (1-866-677-2704)

If you complete the questionnaire by <DATE28>, you will receive a \$10 check as a small token of our appreciation.

Your responses 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. Your responses will be secured behind firewalls and will be encrypted during Internet transmission. To learn more about the study and the laws protecting your confidentiality, please click on the link above.

Thank you in advance for your participation in this important study.

Sincerely,

James Griffith, Ph.D.
NPSAS Project Officer
U. S. Department of Education

John Riccobono, Ph.D.
NPSAS Project Director
RTI International

Third E-mail

E-mail Subject line: U.S. Dept. of Ed. Study Early-response Period Ends After <Y_WEB_INCENT_EXP_DATE>

Dear <FNAME> <MNAME> <LNAME>,

This message is only intended as a reminder to you that the early-response period for the 2004 National Postsecondary Student Aid Study (NPSAS:04) is drawing to a close. We hope you will find the time to participate in the study soon. If you complete the questionnaire by <DATE28>, you will receive a \$10 check as a small token of our appreciation. This important study will help determine how students and their families meet the cost of education beyond high school.

To access the questionnaire on the web or to obtain more information about the study, go to <https://surveys.nces.ed.gov/npsas> and log in using your study ID and password:

Study ID: <CASEID>

Password: <PASSWORD>

You will need to use Internet Explorer or Netscape as your browser to complete the web version. Please be assured that your responses will be secured behind firewalls and will be encrypted during Internet transmission. If you need help accessing the web or if you prefer to complete the questionnaire by telephone, please call our Help Desk at 1-866-NPSAS04 (1-866-677-2704).

Thank you in advance for your participation in this very important study.

Sincerely,

James Griffith, Ph.D.
NPSAS Project Officer
U.S. Department of Education

John Riccobono, Ph.D.
NPSAS Project Director
RTI International

Nonresponse Letter

<DATE>
 <NPSASID>
 <FNAME><MNAME><LNAME><SUFFIX>
 <ADDR1>
 <ADDR2>
 <CITY>, <STATE> <ZIP>-<ZIP4>

Dear <NAME>:

I am writing to urge you to participate in a U.S. Department of Education study that determines how students and their families meet the cost of education beyond high school. Specifically, I would like you to complete a questionnaire about your education experiences and how you paid for your education during the past school year. Your responses may be used only for statistical purposes, and will be kept confidential and protected to the fullest extent allowed by law.

Your participation in this study is very important, regardless of whether you have received financial aid or not. Students from all types of institutions and all financial situations have been randomly selected to participate in the 2004 National Postsecondary Student Aid Study (NPSAS:04). The U.S. Department of Education has contracted with RTI International to conduct NPSAS:04.

We have been unable to reach you by telephone to complete the interview; therefore, we urge you to contact us by calling toll free at 1-866-NPSAS04 (1-866-677-2704), or e-mailing us at npsas@rti.org. If you have questions about the study or would rather complete the questionnaire on the Internet, visit our web site at <https://surveys.nces.ed.gov/npsas>.

You will need to use Internet Explorer or Netscape as your browser to complete the web version. Persons who are hearing or speech-impaired call 1-877-212-7230 (TDD). Upon completion of the questionnaire, you will receive a <\$10/\$20/\$30> check as a small token of our appreciation.

Thank you for your time and your willingness to participate in this very important study.

Sincerely,



James Griffith, Ph.D.
 NPSAS Project Officer
 U.S. Department of Education

Go to: https://surveys.nces.ed.gov/npsas Your study ID: <ID FILL> Your password: <PASSWORD FILL>
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Nonresponse Letter (Spanish Version)

En nombre del Departamento de Educación de Estados Unidos, le pedimos su participación en un estudio que determina la manera en la que los estudiantes y sus familias financian la educación postsecundaria. Me interesa especialmente que complete el cuestionario sobre sus experiencias educacionales y como pagó por su educación durante el año escolar anterior. Sus respuestas serán usadas con fines estadísticos y se mantendrán en forma confidencial y serán protegidas hasta donde sea permitido por ley.

Su participación en este estudio es muy importante, independientemente de que usted haya o no recibido asistencia económica. Se ha seleccionado estudiantes de todo tipo de instituciones y de todo tipo de situaciones económicas para participar en Estudio Nacional sobre Asistencia Económica para Estudiantes en Escuelas Post-Secundarias del 2004 (NPSAS: 04, por sus siglas en inglés). El Departamento de Educación de Estados Unidos tiene un contrato con RTI Internacional para llevar a cabo este estudio.

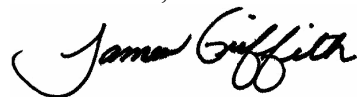
Como no hemos podido comunicarnos con usted por teléfono para que complete la entrevista, le pedimos que se comunique con nosotros llamándonos gratis al 1-866-NPSAS04 (1-866-677-2704), o por correo electrónico a npsas@rti.org. Si usted tiene preguntas sobre el estudio o prefiere completar la entrevista en el Internet, puede visitar nuestro sitio web en <https://surveys.nces.ed.gov/npsas>.

Usted necesitará usar Internet Explorer o Netscape como su programa de navegación para completar la versión del cuestionario el sitio web. Las personas con problemas de audición o de habla pueden llamar al 1-877-212-7230 a un aparato de telecomunicación para las personas con problemas de audición (TDD, por sus siglas en inglés).

Después de terminada la entrevista, usted recibirá un cheque por <\$10/\$20/\$30> dólares como muestra de nuestro agradecimiento.

Le agradecemos por su tiempo y participación en este importante estudio.

Atentamente,



Dr. James Griffith
Oficial a cargo del Estudio
Nacional sobre Asistencia Económica para Estudiantes en Escuelas Post-secundarias.

Nonresponse E-mail

E-mail Subject line: U.S. Department of Education Study

Dear Student,

We are writing to urge you to participate in a U.S. Department of Education study that determines how students and their families meet the cost of education beyond high school. Specifically, we would like you to complete a questionnaire about your education experiences and how you paid for your education during the past school year. Your responses may be used only for statistical purposes, and will be kept confidential and protected to the fullest extent allowed by law.

Your participation in this study is very important, regardless of whether you have received financial aid or not. Students from all types of institutions and all financial situations have been randomly selected to participate in the 2004 National Postsecondary Student Aid Study (NPSAS:04). The U.S. Department of Education has contracted with RTI International to conduct NPSAS:04.

We have been unable to reach you by telephone to complete the interview; therefore, we urge you to contact us by calling toll free at 1-866-NPSAS04 (1-866-677-2704), or e-mailing us at npsas@rti.org. Persons who are hearing or speech-impaired call 1-877-212-7230 (TDD).

To complete the questionnaire on the Internet, you can visit our web site at:

<https://surveys.nces.ed.gov/npsas/>

Study ID: <STUDYID>

Password: <PASSWORD>

You will need to use Internet Explorer or Netscape as your browser to complete the web version.

Upon completion of the questionnaire, you will receive a \$<10/20> check as a small token of our appreciation.

Thank you for your time and your willingness to participate in this very important study.

Sincerely,

John Riccobono, Ph.D.
NPSAS Project Director
RTI International

James Griffith, Ph.D.
NPSAS Project Officer
U.S. Department of Education

Note: To ensure that as many sample members as possible receive this message, we also have sent printed materials to you via U.S. mail. All the information in the printed materials is also available through the web site listed above.

Refusal Letter

Date

NPSAS ID: <NPSASID>
<FNAME><MNAME><LNAME><SUFFIX>
<ADDR1>
<ADDR2>
<CITY>, <STATE> <ZIP>-<ZIP4>

Dear <NAME>:

I understand that you recently spoke with a member of our project staff for the 2004 National Postsecondary Student Aid Study (NPSAS:04). I realize that there are many demands for your time and that you have other priorities, but I am writing to you again because your participation in this U.S. Department of Education study is so very critical to its success.

Your participation in this study is needed regardless of whether you have received financial aid or not. Students from all types of institutions and all financial situations have been randomly selected to participate in NPSAS:04. By completing a questionnaire about your education experiences and how you paid for your education during the past school year, you have the opportunity to help policymakers better understand and meet the financial needs of postsecondary students. Your responses may be used only for statistical purposes, and will be kept confidential and protected to the fullest extent allowed by law.

To complete the questionnaire on the Internet, visit our web site at <https://surveys.nces.ed.gov/npsas>. You will need to use Internet Explorer or Netscape as your browser to complete the web version.

To complete the questionnaire with a trained interviewer, call toll free 1-866-NPSAS04 (1-866-677-2704). Persons who are hearing or speech-impaired can call 1-877-212-7230 (TDD).

Upon completion of the interview, we will send you a **\$30 check** as a small token of our appreciation.

Please take the time to participate in this very important study. With input from individuals like you, we can improve our ability to help individuals receive an education beyond high school.

Sincerely,



James Griffith, Ph.D.
NPSAS Project Officer
U.S. Department of Education

Go to: https://surveys.nces.ed.gov/npsas Your study ID: <ID FILL> Your password: <PASSWORD FILL>
--

REFUSAL LETTER (SPANISH VERSION)

Tengo entendido que usted habló recientemente con un miembro del personal de nuestro proyecto para el Estudio Nacional sobre Asistencia Económica para Estudiantes en Escuelas Post-secundarias (NPSAS: 04, por sus siglas en inglés). Entendemos que usted tiene muchas obligaciones y otras prioridades, pero le estoy escribiendo nuevamente porque su participación en este estudio del Departamento de Educación de los Estados Unidos es esencial para nuestro éxito.

Su participación en este estudio es muy importante, independientemente de que usted haya o no recibido asistencia económica. Estudiantes de todo tipo de instituciones y situaciones económicas han sido seleccionados al azar para participar en el Estudio Nacional sobre Asistencia Económica para Estudiantes en Escuelas Post-secundarias. Al completar este cuestionario sobre sus experiencias educacionales y la forma en la que pagó sus estudios durante el año escolar anterior, ayudará a funcionarios políticos a entender y responder a las necesidades económicas de los estudiantes de escuelas postsecundarias. Su respuestas podrán ser usadas únicamente con fines estadísticos, se mantendrán en forma confidencial y serán protegidas hasta donde lo permita la ley.

Para completar este cuestionario en inglés en el Internet, visite nuestro sitio web en:

<https://surveys.nces.ed.gov/npsas>. Para completar esa versión del cuestionario, necesitará usar Internet Explorer o Netscape como navegador.

Para completar este cuestionario con un entrevistador preparado, llame por teléfono gratis al 1-866-NPSAS04 (1-866-677-2704) Las personas con problemas de audición o de habla pueden llamar al 1-877-212-7230 a un aparato de telecomunicación para las personas con problemas de audición (TDD, por sus siglas en inglés). Después de terminada la entrevista, usted recibirá un cheque por **\$30 dólares** como muestra de nuestro agradecimiento.

Por favor participe en esta importante entrevista. Con la cooperación de individuos como usted, podemos mejorar nuestra capacidad de ayudar a personas a recibir una educación post-secundaria.

Atentamente,



Dr. James Griffith
Oficial a cargo del Estudio
Nacional sobre Asistencia Económica para Estudiantes en Escuelas Post-secundarias.

Refusal E-mail

E-mail Subject line: U.S. Department of Education Study

Dear Student,

We understand that you recently spoke with a member of our project staff for the 2004 National Postsecondary Student Aid Study (NPSAS:04). We realize that there are many demands for your time and that you have other priorities, but we are writing to you again because your participation in this U.S. Department of Education study is so very critical to its success.

Your participation in this study is needed regardless of whether you have received financial aid or not. Students from all types of institutions and all financial situations have been randomly selected to participate in NPSAS:04. By completing a questionnaire about your education experiences and how you paid for your education during the past school year, you have the opportunity to help policymakers better understand and meet the financial needs of postsecondary students. Your responses may be used only for statistical purposes, and will be kept confidential and protected to the fullest extent allowed by law.

To complete the questionnaire on the Internet, visit our web site at:

<https://surveys.nces.ed.gov/npsas/>

Study ID: <STUDYID>

Password: <PASSWORD>

You will need to use Internet Explorer or Netscape as your browser to complete the web version.

To complete the questionnaire with one of our trained interviewers, call us toll free at

1-866-NPSAS04 (1-866-677-2704). Persons who are hearing or speech-impaired can call us at 1-877-212-7230 (TDD).

Upon completion of the interview, we would like to send you a **\$10 check** as a small token of our appreciation.

Please take the time to participate in this very important study. With input from individuals like you, we can improve our ability to help individuals receive an education beyond high school.

Sincerely,

John Riccobono, Ph.D.
NPSAS Project Director
RTI International

James Griffith, Ph.D.
NPSAS Project Officer
U.S. Department of Education

Note: To ensure that as many sample members as possible receive this message, we also have sent printed materials to you via U.S. mail. All the information in the printed materials is also available through the web site listed above.

Will Complete Web E-mail Document

Subject: National Postsecondary Student Aid Study - Reminder Information

Dear <SM NAME>,

Thank you for your interest in the National Postsecondary Student Aid Study. This message is being sent to you as a follow-up to the telephone conversation in which you indicated your preference to complete the survey via the web.

To respond to the questionnaire over the Internet, log in using your study ID and password:

<https://surveys.nces.ed.gov/npsas/>

Study ID:

Password:

You will need to use Internet Explorer or Netscape as your browser to complete the web version. If you need help accessing the web or if you decide to complete the questionnaire by telephone, please call the RTI help desk at: 1-866-NPSAS04 (1-866-677-2704).

Sincerely,

NPSAS Project Staff

Postcard

NPSAS FS27/<ADDR_ID>

NATIONAL POSTSECONDARY STUDENT AID STUDY (NPSAS:2004)
Complete your FINAL NPSAS interview and earn

\$30 for your time.

To complete a telephone interview, call 1-866-677-2704

OR

To complete a Web interview over our secured Website:

<https://surveys.nces.ed.gov/npsas>

Your Study ID is: «caseid»

Your Password is: «password»

Thank you for your participation in NPSAS.

Dear <FNAME><MNAME><LNAME><SUFFIX>:

Data collection in the U.S. Department of Education's National Postsecondary Student Aid Study is coming to a close. If you recently completed the interview, we sincerely appreciate your participation – you should receive your incentive soon.

If, however, you have not yet completed the interview let me remind you that your participation is critical to the success of the study. The study is being conducted for the U.S. Department of Education (<https://surveys.nces.ed.gov/npsas>) and the information you provide will help develop policy related to higher education and financial aid—*We don't want to lose your input!*

In recent weeks, you may have received other letters regarding your participation in the National Postsecondary Student Aid Study. You were sent this post card to inform you that **you will receive \$30 for completing the NPSAS interview**. The top half of this card explains that the 25 minute interview may be completed with a professionally trained telephone interviewer or by logging on and completing an interview over our secured Website. We thank you in advance for your participation in this important study.

If you have any questions or concerns about the study, please contact the NPSAS Project Director or Project Officer:

RTI Project Director:
Dr. John Riccobono
877-225-8470

NCES Project Officer:
Dr. James Griffith
202-502-7387

Final Letter

<DATE>

<ADDRESS_NAME>
 <FNAME><MNAME><LNAME><SUFFIX>
 <ADDR1>
 <ADDR2>
 <CITY>, <STATE> <ZIP>-<ZIP4>

Dear <NAME>:

On behalf of the U.S. Department of Education, we would like you to complete a questionnaire about your education experiences and how you paid for your education during the past school year. You have been randomly selected to participate in the 2004 National Postsecondary Student Aid Study (NPSAS:04). The U.S. Department of Education has contracted with RTI International to conduct NPSAS:04.

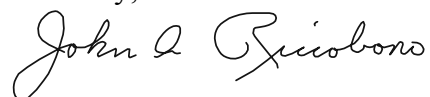
Your participation in this study is very important, regardless of whether you have received financial aid or not. By participating, you have the opportunity to help policymakers better understand and meet the financial needs of postsecondary students. Be assured that your responses will be kept confidential and protected to the fullest extent allowed by law. Your responses may be used only for statistical purposes.

Data collection for NPSAS is coming to a close, so we urge you to contact us this week, by calling toll free at 1-866-NPSAS04 (1-866-677-2704), or e-mailing us at npsas@rti.org. If you have questions about the study or would rather complete the questionnaire on the Internet, you can visit our web site at <https://surveys.nces.ed.gov/npsas>.

You will need to use Internet Explorer or Netscape as your browser to complete the web version. Persons who are hearing or speech-impaired can call us at 1-877-212-7230 (TDD). Upon completion of the questionnaire, you will receive a <\$20/\$30> check as a token of our appreciation.

Please take the time to participate in this very important study. With input from individuals like you, we can improve our ability to help individuals receive an education beyond high school.

Sincerely,



John Riccobono, Ph.D.
 NPSAS Project Director
 RTI International

Go to: https://surveys.nces.ed.gov/npsas Your study ID: «caseid» Your password: «password»
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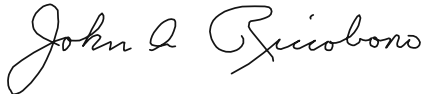
Final Letter (Spanish Version)

En nombre del Departamento de Educación de Estados Unidos, le pedimos su participación en una entrevista del Estudio Nacional sobre Asistencia Económica para Estudiantes en Escuelas Post-secundarias (NPSAS, por sus siglas en inglés). El objetivo de este estudio es determinar la manera en la que los estudiantes y sus familias financian la educación postsecundaria.

Su participación en este estudio es muy importante, independientemente de que usted haya o no recibido asistencia económica. Al completar el cuestionario del estudio, en el que se pregunta sobre sus experiencias y opiniones, usted ayudará al congreso a desarrollar políticas más efectivas relacionadas con la manera que los estudiantes y sus familias financian la educación superior. Tenga la completa seguridad que sus respuestas se mantendrán en forma confidencial y serán protegidas hasta donde está permitido por ley.

El tiempo asignado a la recolección de datos para NPSAS está por terminar, por consiguiente, le pedimos que por favor se comunique con nosotros esta semana llamándonos gratis al 1-866-NPSAS04 (1-866-677-2704), o por correo electrónico a npsas@rti.org. Si usted tiene preguntas sobre el estudio o prefiere completar la entrevista en el Internet, puede visitar nuestro sitio web en <https://surveys.nces.ed.gov/npsas>. Las personas con problemas de audición o de habla pueden llamar al 1-877-212-7230 a un aparato de telecomunicación para las personas con problemas de audición (TDD, por sus siglas en inglés). Después de terminada la entrevista, usted recibirá un cheque por <\$20/\$30 dólares> como muestra de nuestro agradecimiento. Le agradecemos por su tiempo y participación.

Atentamente,



Dr. John Riccobono, Ph.D.
NPSAS Project Director
RTI International

Final E-mail

E-mail Subject line: U.S. Department of Education Study

Dear Student,

On behalf of the U.S. Department of Education, we would like you to complete a questionnaire about your education experiences and how you paid for your education during the past school year. You have been randomly selected to participate in the 2004 National Postsecondary Student Aid Study (NPSAS:04). The U.S. Department of Education has contracted with RTI International to conduct NPSAS:04.

Your participation in this study is very important, regardless of whether you have received financial aid or not. By participating, you have the opportunity to help policymakers better understand and meet the financial needs of postsecondary students. Be assured that your responses will be kept confidential and protected to the fullest extent allowed by law. Your responses may be used only for statistical purposes.

Data collection for NPSAS is coming to a close, so we urge you to contact us this week, by calling toll free at 1-866-NPSAS04 (1-866-677-2704), or e-mailing us at npsas@rti.org. Persons who are hearing or speech-impaired can call us at 1-877-212-7230 (TDD).

If you have questions about the study or would rather complete the questionnaire on the Internet, you can visit our web site at:

<https://surveys.nces.ed.gov/npsas/>

Study ID: <STUDYID>

Password: <PASSWORD>

You will need to use Internet Explorer or Netscape as your browser to complete the web version. Upon completion of the questionnaire, you will receive a \$20 check as a token of our appreciation.

Please take the time to participate in this very important study. With input from individuals like you, we can improve our ability to help individuals receive an education beyond high school.

Sincerely,

John Riccobono, Ph.D.
NPSAS Project Director
RTI International

James Griffith, Ph.D.
NPSAS Project Officer
U.S. Department of Education

Note: To ensure that as many sample members as possible receive this message, we also have sent printed materials to you via U.S. mail. All the information in the printed materials is also available through the web site listed above.

Incentive Letter

<DATE>

Dear Student:

On behalf of the Department of Education and the RTI Project Staff, I would like to thank you for participating in the 2004 National Postsecondary Student Aid Study (NPSAS:04). Your input into this study is important to our ultimate success.

Enclosed you will find a check for <\$10/\$20/\$30> as a small token of appreciation for completing the interview.

Please do not hesitate to contact me at 1-800-334-8571 ext. 3598 if I can provide any additional information or assistance about the study or your interview.

Thank you again for your time and willingness to participate.

Sincerely,

A handwritten signature in black ink, appearing to read 'D. Roe', written in a cursive style.

David James Roe, M.A.
NPSAS Project Staff
RTI International

Appendix D

Endorsements



The 2004 National Study of Faculty and Students (NSoFaS:04)



ENDORSEMENTS

The following professional associations have endorsed the research efforts of the 2004 National Study of Faculty and Students (NSoFaS:04) being conducted at a sample of postsecondary institutions in the United States and Puerto Rico.

American Association for Higher Education
 American Association of Collegiate Registrars and Admissions Officers
 American Association of Community Colleges
 American Association of State Colleges and Universities
 American Association of University Professors
 American Council on Education
 American Federation of Teachers
 Association for Institutional Research
 Association of American Colleges and Universities
 Association of Catholic Colleges and Universities
 Career College Association
 The Carnegie Foundation for the Advancement of Teaching
 College and University Professional Association for Human Resources
 The College Board
 The College Fund/UNCF
 Council of Graduate Schools
 The Council of Independent Colleges
 Hispanic Association of Colleges and Universities
 National Accrediting Commission of Cosmetology Arts and Sciences (NPSAS only)
 National Association of College and University Business Officers
 National Association for Equal Opportunity in Higher Education
 National Association of Independent Colleges and Universities
 National Association of State Universities and Land-Grant Colleges
 National Association of Student Financial Aid Administrators
 National Education Association

Appendix E Facsimiles

Student Record Abstraction (CADE).....	E-3
Student Interview	E-15
Student Interview–Abbreviated Version.....	E-53

Student Record Abstraction (CADE)

For each eligible sampled student, please provide the following data.

I. FINANCIAL AID INFORMATION	
Question Number	Description
A. Financial Aid Awards	
Question 1.	<p>Did the student receive any financial aid, such as:</p> <ul style="list-style-type: none"> • assistantships • grants • scholarships • loans • fellowships • work study • tuition waivers or discounts • tuition aid from employers • veterans benefits • other financial aid <p>for terms or courses in which they were enrolled between July 1, 2003, and June 30, 2004? [y/n] (Some portion of the term must occur between these dates but may start prior to July 1 or end after June 30.)</p> <p>NOTE: Please do not include any information on state prepaid or savings plans in this section. You may enter that information at the end of the Tuition section.</p>
IF NO, YOU HAVE COMPLETED THIS SUBSECTION	
Question 2.	Did the student receive any federal aid, such as those program listed below? [y/n]
Question 3.	<p>Please enter the amounts of federal financial aid received by the student within each program.</p> <p>Federal Aid Programs</p> <ol style="list-style-type: none"> 1. Pell Grant program 2. Stafford Loan - subsidized (FFEL or Direct) 3. Stafford Loan - unsubsidized (FFEL or Direct) 4. PLUS parent loan (FFEL or Direct) 5. Perkins loan 6. Federal SEOG grant 7. Federal work-study (FWS) 8. Robert Byrd honors scholarship 9. Federal health professions loans (Nursing, HPSL, Primary Care, Disadvantaged) 10. Federal health professions Disadvantaged Student Scholarships (SDS)
Question 4.	Did the student receive any state aid, such as those programs listed below? [y/n]

I. FINANCIAL AID INFORMATION (continued)

Question Number	Description
A. Financial Aid Awards (continued)	
Question 5.	<p><i>[If yes, enter amounts.]</i></p> <p>State Aid Programs (List up to 12 awards)</p> <ul style="list-style-type: none"> A. <i>Customized for each state</i> B. <i>Customized for each state</i> C. <i>Customized for each state</i> D. <i>Customized for each state</i> E. <i>Customized for each state</i> F. <i>Customized for each state</i> G. <i>Customized for each state</i> H. <i>Customized for each state</i> I. <i>Customized for each state</i> J. <i>Customized for each state</i> K. <i>Customized for each state</i> L. <i>Customized for each state</i>
Question 6.	Did the student receive any institutional aid, such as those programs listed below? [y,n]
Question 7.	<p><i>[If yes, enter amounts.]</i></p> <p>Institutional Financial Aid</p> <ul style="list-style-type: none"> A. <i>Customized for each institution</i> B. <i>Customized for each institution</i> C. <i>Customized for each institution</i> D. <i>Customized for each institution</i> E. <i>Customized for each institution</i> F. <i>Customized for each institution</i> G. <i>Customized for each institution</i> H. <i>Customized for each institution</i> I. <i>Customized for each institution</i> J. <i>Customized for each institution</i> K. <i>Customized for each institution</i> L. <i>Customized for each institution</i> M. Other grants and scholarships: need-based N. Other grants and scholarships: merit-based only O. Other grants and scholarships: both need and merit P. Athletic scholarship Q. Undergraduate Tuition waivers for faculty/staff, family R. Tuition waivers and discounts for other undergraduates S. Undergraduate institutional loan T. Undergraduate institutional work-study U. Undergraduate resident assistants, tutors, or advisor stipends <p><i>NOTE: Preloaded customized list has been expanded from a maximum of 3 aid programs to 12. List shown on screen will shrink and expand as necessary to show the preloaded institution aid for that institution, and it will probably be on two screens.</i></p>

I. FINANCIAL AID INFORMATION (continued)	
A. Financial Aid Awards (continued)	
Question Number	Description
Question 8.	<i>[If DEGREE <= 4 then skip the following graduate aid questions. Go to "other aid" (Q10).]</i> Did the student receive any graduate aid, such as those programs listed below? [y,n]
Question 9.	<i>[If yes, enter amounts.]</i> Graduate Institutional Financial Aid A. Graduate fellowship or scholarship B. Federal fellowship (NSF, NASA, NIH, USDA, etc.) C. Federal traineeship D. Teaching assistantships/stipends E. Research assistantships/stipends F. Other graduate assistant, tutor, or reader stipends G. Tuition waivers for graduate students (including assistants) H. Tuition waivers for faculty/staff, spouse, or children I. Institutional work-study J. Institutional loan
Question 10.	Did the student receive any other aid, such as those programs listed below? [y/n]
Question 11.	<i>[If yes, enter amounts.]</i> A. Scholarships/grants from private organizations, foundations, unions B. Employer-paid tuition C. Veteran benefits D. ROTC and grants for Armed Forces personnel E. WIA, other job training, vocational rehabilitation F. Bureau of Indian Affairs grants G. Scholarships/grants from state agencies in other states H. Private or commercial loans (including Law, Medical, TERI, Nellie Mae)
Question 12.	List of Other Financial Aid Please also report any other financial aid awarded to the student. Provide 1. the <i>name</i> of the award 2. the <i>type</i> of award (Use key below) 1. Grant/scholarship: need-based 2. Grant/scholarship: merit-based 3. Grant/scholarship: both need and merit 4. Tuition waiver 5. Loan 6. Work-study or assistantship 7. Other 3. the <i>source</i> of the award (Use key below) 1. Institution 2. State 3. Federal 4. Other 4. the <i>amount</i> of the award
	Summary Screen The final screen in the Financial Aid subsection lists all of the aid programs for which the user entered amounts. The user can then click on the types of aid to go back to that screen to make any necessary changes, or can accept those amounts and continue.

I. FINANCIAL AID INFORMATION (continued)	
B. Need Analysis	
Question Number	Description
Question 1.	Is there financial aid budget information or a Federal Expected Family Contribution (EFC) value available for the student? [y/n]
IF NO, Skip to Question 8.	
Question 2.	What was the student's dependency status during the study year for federal financial aid purposes? (Use key below) 1. Dependent 2. Independent
Question 3.	For purposes of determining the student's financial aid budget, was the student's local residence...? (Use key below) 1. On-campus or school-owned housing 2. Off-campus without parents 3. Off-campus with parents
Question 4.	Please enter or update the Federal Expected Family Contribution (EFC) amount for the student.
Question 5.	Is there a Cost of Attendance or Student Expense Budget available for this student? [y/n]
Question 6	Please provide line-item budget amounts (if only a total budget amount is available, please provide the total amount; line-item amounts are preferred over a total amount). 1. Tuition and fees 2. Books and supplies 3. Room and board 4. Transportation 5. Computer technology fees 6. All other expenses <u>OR</u> Total Cost of Attendance
Question 7	For what period does this budget apply? (Use key below) 1. Full time, full year 2. Full time, one term 3. Part time, full year 4. Part time, one term 5. 5. Other
Question 8	<i>[If the institution is located in one of the 12 states with representative samples and the student is an undergraduate, ask this question. Base student status first on DEGREE <5, but if the DEGREE variable is blank, then use the preloaded student type.]</i> Is there a <i>[fill with preloaded state EFC name]</i> value available for this student? [y/n] [If yes] Please enter the amount: <i>[NOTE: We will obtain the specific names of the state EFC values from each of the 12 states prior to data collection and preload the correct name based on the state in which the institution is located.]</i>
C. Institution Student Information Record	
<i>[only students who did not match to CPS prior to CADE get this section]</i>	
Question 1	Is there an Institution Student Information Record (ISIR) or computerized ISIR data available for this student (y/n)?
Question 2	Student's Social Security number from the ISIR.
Question 3	Student's last name from ISIR.

II. REGISTRATION/ADMISSIONS

A. Locating Information Subsection

Question Number	Description												
Question 1.	Student's PERMANENT phone number [area code + prefix + number]												
	Student's PERMANENT International phone number [country code + number] <i>[NOTE: Provide only if no US phone number available.]</i>												
	Student's PERMANENT address												
	Student's PERMANENT city												
	Student's PERMANENT state												
	Student's PERMANENT zip code												
	Student's PERMANENT country (if not USA)												
	Student's permanent e-mail address <i>[NOTE: If available, permanent e-mail address from the enrollment list will be preloaded and can be edited or confirmed.]</i>												
Question 2.	Is the LOCAL address the same as the PERMANENT address? [y/n]												
Question 3.	Student's LOCAL phone number [area code + prefix + number]												
	Student's LOCAL International phone number [country code + number] <i>[NOTE: Provide only if no US phone number available.]</i>												
	Student's LOCAL address												
	Student's LOCAL city												
	Student's LOCAL state												
	Student's LOCAL zip code												
	Student's campus e-mail address <i>[NOTE: If available, campus e-mail address from the enrollment list will be preloaded and can be edited or confirmed.]</i>												
Question 4.	Is the LOCAL address the same as the PERMANENT address? [y/n]												
Question 5.	FIRST NAME, MIDDLE initial, LAST NAME, and SUFFIX of parent for whom locating information is available.												
Question 6.	Is address/phone information available for parents of the student? [y/n]												
Question 7.	Is PARENT'S address same as student's LOCAL or PERMANENT or DIFFERENT? <i>[NOTE: May choose one of the previously entered addresses or if different continue with Q8.]</i>												
Question 8.	For parent named in Question 5. <i>(You will get the option of choosing student's address for the parent's address.)</i>												
	PARENT'S phone number [area code + number]												
	PARENT'S International phone number [country code + number] <i>[NOTE: Provide only if no US phone number available.]</i>												
	PARENT'S address												
Question 8.	PARENT'S city												
	PARENT'S state												
	PARENT'S zip code												
	PARENT'S country (if not USA)												
Question 9.	Is other phone/address information (DIFFERENT from what was previously entered) available for another parent, a relative, or a friend of the student? [y/n]												
Question 10.	FIRST NAME, MIDDLE Initial, LAST NAME, and SUFFIX of parent or relative/friend for whom locating information is available.												
Question 11.	Relationship of parent or relative/friend to STUDENT. <table border="0" style="width: 100%;"> <tr> <td>1. FATHER</td> <td>7. AUNT</td> </tr> <tr> <td>2. MOTHER</td> <td>8. GRANDFATHER</td> </tr> <tr> <td>3. SPOUSE</td> <td>9. GRANDMOTHER</td> </tr> <tr> <td>4. BROTHER</td> <td>10. FRIEND</td> </tr> <tr> <td>5. SISTER</td> <td>11. CO-WORKER</td> </tr> <tr> <td>6. UNCLE</td> <td>12. OTHER (SPECIFY)</td> </tr> </table>	1. FATHER	7. AUNT	2. MOTHER	8. GRANDFATHER	3. SPOUSE	9. GRANDMOTHER	4. BROTHER	10. FRIEND	5. SISTER	11. CO-WORKER	6. UNCLE	12. OTHER (SPECIFY)
1. FATHER	7. AUNT												
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4. BROTHER	10. FRIEND												
5. SISTER	11. CO-WORKER												
6. UNCLE	12. OTHER (SPECIFY)												

II. REGISTRATION/ADMISSIONS (continued)

A. Locating Information Subsection (continued)

Question Number	Description
Question 12.	<p>For <i>parent</i> or <i>relative/friend</i>, please provide:</p> <p style="padding-left: 40px;">Last Name, First Name, Middle Initial Phone number [area code + number]</p> <p><i>[NOTE: Provide International number only if no US phone number available.]</i></p> <p style="padding-left: 40px;">Address City State Zip Code Country</p>

B. Student Characteristics Section

Question 1.	<p>Student's LAST name Student's FIRST name Student's MIDDLE initial Student's suffix (e.g., Jr., III)</p>
Question 2.	Student's Social Security number
Question 3.	Student's date of birth
Question 4.	<p>Student's gender (Use key below)</p> <ol style="list-style-type: none"> 1. Male 2. Female
Question 5.	Student's driver's license number and state.
Question 6.	<p>Student's marital status (Use key below)</p> <ol style="list-style-type: none"> 1. Not married (single, widowed, divorced) 2. Married 3. Separated 4. Don't know <p>If married and female, please also provide: Student's maiden name</p> <p>If married, please also provide: Spouse's name (Last, First, Middle)</p>
Question 7.	<p><i>[If student is not an undergraduate then go to question 8. Determine student type by first checking the degree program in the enrollment section (DEGREE <=4) and if that is blank, use the preloaded student type.]</i></p> <p>Student's high school degree (Use key below)</p> <ol style="list-style-type: none"> 1. High school diploma 2. GED or other equivalency 3. Certificate of high school completion 4. Foreign high school 5. No high school degree or certificate
Question 7a.	<p><i>[If Question 7 above = 5, then skip to Question 8.]</i></p> <p>Year Student Received High School Diploma/GED/Certificate</p>
Question 7b.	<p><i>[If age >=30 then go to question 8. Age calculated based on date of birth as of January 1 of the interview year.]</i></p> <p>Is the high school located in <INSTITUTION STATE>? [Y/N/DK]</p> <p><i>[If NO:]</i></p> <p>Where is the high school located? <give drop-down list of states></p>
Question 8.	<p>What is the student's ethnicity? (Use key below)</p> <ol style="list-style-type: none"> 1=Hispanic or Latino 2=Not Hispanic or Latino

II. REGISTRATION/ADMISSIONS (continued)

B. Student Characteristics Section	
Question Number	Description
Question 9.	What is the student's race? (Choose one or more) 1. White 2. Black or African American 3. Asian 4. American Indian or Alaska Native 5. Native Hawaiian or Other Pacific Islander
Question 10.	What is the student's citizenship status? (Use key below) 1. U.S. citizen or U.S. National 2. Resident alien 3. Foreign/International student or non-resident alien
Question 11.	<i>[Students with a DOB year prior to 1983 get this question. If it is skipped due to age, insert a 0 for NO into the database.]</i> Is the student a veteran of the U.S. Armed Forces? [y/n]
C. Admissions Information Section	
<i>For Undergraduates:</i>	
Question 1.	Is an SAT I score available? [y/n] If yes: Student's SAT I verbal score Student's SAT I math score
Question 2.	Is an ACT score available? [y/n] If yes: Student's composite ACT score
<i>For Graduate, Doctoral, and First-Professional Students</i>	
Question 1.	Are scores from the Graduate Record Exam (GRE) available for this student? [y/n] If yes: Student's GRE verbal score Student's GRE quantitative score Student's GRE analytic score

III. ENROLLMENT/TUITION SECTION	
A. Enrollment Term Subsection <i>[MUST BE COMPLETED BEFORE TUITION SUBSECTION]</i>	
Question Number	Description
	<p>If student was enrolled in a course for credit at any time during the study period (July 1, 2003, through June 30, 2004) list all terms for which the student was enrolled and provide the following information for each term:</p> <p style="padding-left: 40px;">Name of term or payment period [EX: Fall, 2003] Start date of that term/period [mm/yyyy] End date of that term/period [mm/yyyy] Attendance status (use key below): 1 = Full-time (12 or more credits) 2 = Half-time (6 to 11 credits) 3 = Less than Half-time (5 or less credits)</p> <p><i>[If school is not a clock-hour school:]</i> Credit hours [number]</p>
<p>Question 1.</p> <p>This item is referred to as DEGREE throughout this document.</p>	<p>During [LAST TERM ENROLLED], in what type of degree program was the student enrolled (Use key below):</p> <p style="padding-left: 40px;">1 = Bachelor's degree 2 = Associate's degree 3 = Undergraduate certificate or diploma (occupational or technical program) 4 = Undergraduate, not in a degree program 5 = Master's degree program 6 = First-professional degree (law, medicine, chiropractic, pharmacy, ordination) 7 = Doctoral degree program 8 = Post-baccalaureate certificate program (including teaching credential) <i>[skip next item, advanced degree, and code it as 28]</i> 9 = Graduate, not in a degree program <i>[skip next item, advanced degree, and code it as 29]</i></p>
<p>Question 1a.</p>	<p><i>[if DEGREE=2 then]</i> What type of Associate's degree? 1 = AA,AS, general education or transfer program 2 = AAS, occupational or technical program</p>
<p>Question 2.</p>	<p><i>[Only applicable to students in Master's Degree program. If DEGREE=5]</i> Which of the following Master's degrees was the student working toward during [LAST TERM ENROLLED]? (Use key below)</p> <p style="padding-left: 40px;">1 = Master of Science (MS) 2 = Master of Arts (MA) 3 = Master of Education (MEd) or Teaching (MAT) 4 = Master of Business Administration (MBA) 5 = Master of Public Administration (MPA) 6 = Master of Social Work (MSW) 7 = Master of Fine Arts (MFA) 8 = Master of Public Health (MPH) 9 = Master of Divinity (MDiv) <i>[code as 19]</i> 10 = Other master's degree programs not listed</p>

III. ENROLLMENT/TUITION SECTION (continued)	
A. Enrollment Term Subsection (continued) [MUST BE COMPLETED BEFORE TUITION SUBSECTION]	
Question Number	Description
Question 2.	<p><i>[Only applicable to students in Doctoral or FP program. If DEGREE=6 or 7]</i> Which of the following doctoral or first professional degrees was the student working toward during [LAST TERM ENROLLED]? (Use key below)</p> <p>DOCTORAL DEGREES 11 = Doctor of Philosophy (PhD) 12 = Doctor of Education (EdD) 13 = Doctor of Science (DSc/ScD) or Engineering (DEng) 14 = Doctor of Psychology (PsyD) 15 = Doctor of Business or Public Administration (DBA, DPA) 16 = Doctor of Fine Arts (DFA) 17 = Doctor of Theology (ThD) 18 = Other doctoral degrees not listed</p> <p>FIRST PROFESSIONAL DEGREES 19 = Ministry or Divinity (MDiv, DMin, MHL, BD, ordination) 20 = Law (JD, LLB) 21 = Medicine or Osteopathic Medicine (MD, DO) 22 = Dentistry (DDS, DMD) 23 = Chiropractic (DC, DCM) 24 = Pharmacy (PharmD) 25 = Optometry (OD) 26 = Podiatry (DPM, DP, PodD) 27 = Veterinary medicine (DVM)</p>
Question 3.	<p>During [LAST TERM ENROLLED], what was this student's class level? (Use key below) <i>[If the student is in an undergraduate degree program, the user will see only the undergraduate levels below. If the student is in a graduate/first professional degree program, the user will see only the graduate/professional levels below.]</i></p> <p>1 = 1st Year/Freshman 2 = 2nd Year/Sophomore 3 = 3rd Year/Junior 4 = 4th Year/Senior 5 = 5th Year or Higher Undergraduate 6 = Undergraduate (unclassified) 7 = Student with advanced degree taking undergraduate courses 8 = 1st year Graduate/professional 9 = 2nd year Graduate/professional 10 = 3rd year Graduate/professional 11 = Beyond 3rd year Graduate/professional</p>
Question 3a.	<p><i>[Only applicable to graduate and first professional students. If DEGREE > 4:]</i> You have indicated that this student is enrolled as a graduate or first professional student. When did this student obtain a Baccalaureate degree? Month/Year: Student does not have a Baccalaureate degree. <i>[NOTE: User can give the month and year or the "Student does not have a BA degree" option can be selected.]</i></p>
Question 4.	<p><i>[If the school does not have GPA's, skip to Question 5.]</i> Cumulative GPA</p>
Question 5.	<p>What is the student's current or most recent major or field of study? <i>(In some cases, this will be filled automatically filled based on type of Masters, doctoral, or first-professional degree program, but the user can still edit it.)</i></p>

III. ENROLLMENT/TUITION SECTION (continued)	
A. Enrollment Term Subsection (continued) [MUST BE COMPLETED BEFORE TUITION SUBSECTION]	
Question Number	Description
Question 6.	<i>[Only applicable to undergraduate students. If DEGREE <= 4 or "student does not have a baccalaureate degree" option was selected in question 3a:]</i> Was this student ever enrolled in this institution prior to July 1, 2003? [y/n] <i>[If YES:]</i> When did this student FIRST enroll at [INSTITUTION NAME]? [mm/yr]
Question 7.	<i>[Only applicable to undergraduate students. If DEGREE <= 4 or "student does not have a baccalaureate degree" option was selected in question 3a:]</i> Did the student transfer any credits from another postsecondary institution? [y/n]
Question 8.	<i>[Only applicable to undergraduate students. If DEGREE <= 4 or "student does not have a baccalaureate degree" option was selected in question 3a:]</i> Is this student classified as a first-time, first-year degree-seeking student for IPEDS reporting purposes? [y/n]
Question 9.	<i>[Ask of all students]</i> Is the student expected to have completed the requirements for the [DEGREE] on or before June 30, 2004? [y/n]
	<i>For CLOCK HOUR Institutions ONLY.</i>
Question 10.	What is the total length of the program in clock/contact hours? [Specify hours]
Question 11.	How many hours (lab and classroom) are required per week? [Specify hours]
B. Tuition Charges	
Question 1.	For each term attended by the student (those terms identified in the Enrollment/Term subsection above), specify amounts of tuition and fees charged. Please provide separate amounts for each term, if available. <i>[User can enter tuition amounts by term or total.]</i>
Question 2.	Total tuition and fees charged for all terms. <i>[automatically computed if user entered tuition by term.]</i>
Question 3.	<i>[If the institution is public:]</i> For tuition purposes, this student was classified as: (Use key below) 1. In jurisdiction (e.g., in-state, in-district, etc.) 2. Out-of-jurisdiction (e.g., out-of-state, out-of-district, etc.)
Question 4.	Was any of the tuition paid by a state prepaid or savings plan such as those listed below? [y/n]
Question 4a.	<i>[If yes]</i> Please enter the amount received by the student within each plan. A. Customized for each state B. Customized for each state C. Plan from another state <i>[NOTE: We will preload the names of the one or two state prepaid or savings plans for that state. If there is only one, then the "plan from another state" will move up to slot B on the screen.]</i>

Student Interview

Section A: Eligibility and Enrollment

N4ELIG

NPSAS enrollment during NPSAS year

Have you been enrolled at [NPSAS] at any time since July 1, 2003?

- 0 = No
- 1 = Yes, currently enrolled
- 2 = Yes, but not currently enrolled
- 3 = Have been enrolled, but still enrolled in high school

Applies to: All respondents.

TCURENRL

Current enrollment flag

Internal variable

Current enrollment is defined as any respondent who indicates that they are currently enrolled at the time of the interview. If respondents were never enrolled at NPSAS, are still in high school, or were enrolled at NPSAS before the time of the interview, then they are considered not currently enrolled.

If N4ELIG=1 then TCURENRL=1 else

TCURENRL=0.

- 0 = Not currently enrolled
- 1 = Currently enrolled

Applies to: All respondents.

N4DRPMY

Date left NPSAS

When did you last attend [NPSAS]?

Applies to: Respondents who have been enrolled since July 1, 2003 but were not enrolled at NPSAS during the time of the interview.

CATI Code: N4ELIG=2

N4DRPTM

Left NPSAS with a completed term

[If N4DRPMY is blank]

When you last attended [NPSAS], did you leave at the end of the term, or did you leave before the term ended?

[else]

Is that date [N4DRPMY] at the end of the term, or did you leave before the term ended?

- 1 = Left at the end of the term
- 2 = Left before the term ended

Applies to: Respondents who have been enrolled since July 1, 2003 but were not enrolled at NPSAS during the time of the interview.

CATI Code: N4ELIG=2

N4DRPRF

Received full tuition refund

Did you receive a full refund of your tuition when you left?

- 0 = No
- 1 = Yes

Applies to: Respondents who left NPSAS before the end of the term.

CATI Code: N4ELIG=2 and N4DRPTM in (2, -9)

N4DRPCMP

Completed previous course/term

Have you completed a course or term at [NPSAS] at any time since July 1, 2003?

- 0 = No
- 1 = Yes

Applies to: Respondents who left NPSAS before completing a term and received a full tuition refund.

CATI Code: N4ELIG=2 and N4DRPTM in (2, -9) and N4DRPRF in (1, -9)

N4STAT

Student status at NPSAS

For all questions about your 2003–2004 enrollment at [NPSAS], please refer to your most recent term of enrollment at the school.

[If TCURENRL=1]

In your most recent term at [NPSAS], have you been enrolled as an undergraduate or graduate student, or have you been taking courses without being enrolled in a degree program?

[else]

In your most recent term at [NPSAS], were you enrolled as an undergraduate or graduate student, or were you taking courses without being enrolled in a degree program?

- 1 = Undergraduate student (includes associate's and bachelor's degrees, postsecondary diplomas and certificates at the undergraduate level, as well as professional degrees that do not require a bachelor's degree))
- 2 = Graduate student (includes master's and doctoral degrees, and post-baccalaureate and post-master's certificates, as well as professional degrees that may be pursued after obtaining a bachelor's degree))
- 3 = Taking classes without being enrolled in a degree program

Applies to: All respondents.

N4DGUG

Undergraduate degree type

What undergraduate degree or certificate {[if TCURENRL=1] are you [else] were you} working on at [NPSAS] during the 2003–2004 school year?

Note: An internally assigned value of 99 was used for cases that said N4DGUG=11, N4DGPR=28, and came back to N4DGUG=11 again to avoid getting stuck in loop.

- 1 = Bachelor's degree
- 2 = Associate's degree
- 3 = Undergraduate certificate or diploma (occupational or technical program)
- 4 = Undergraduate student, not in a degree program
- 8 = Post-baccalaureate certificate
- 11 = Professional degree (only includes the following degree programs: chiropractic, dentistry, law, medicine, optometry, osteopathic medicine, pharmacy, podiatry, divinity/theology, or veterinary medicine)
- 99 = Misclassified professional

Applies to: Undergraduate respondents.

CATI Code: N4STAT in (1, -9)

N4DGGR

Graduate degree type

What graduate degree or certificate were you working on at [NPSAS] during the 2003–2004 school year?

If you are enrolled in more than one program, enter the highest. For example, if you are working on both a doctoral degree and a professional degree, enter a doctoral degree.

Note: An internally assigned value of 99 was used for cases that said N4DGUG=11, N4DGPR=28, and came back to N4DGUG=11 again to avoid getting stuck in loop.

- 6 = Master's degree
- 7 = Doctoral degree
- 8 = Post-baccalaureate certificate
- 9 = Graduate student, not in a degree program
- 10 = Post-master's certificate
- 11 = First professional degree (only includes the following degree programs: chiropractic, dentistry, law, medicine, optometry, osteopathic medicine, pharmacy, podiatry, divinity/theology, or veterinary medicine)
- 99 = Misclassified first professional

Applies to: Graduate respondents.

CATI Code: N4STAT=2

N4CLSLV

Mainly undergraduate or graduate classes

During the 2003–2004 school year, have you been taking mainly undergraduate or graduate classes at [NPSAS]?

- 1 = Mainly undergraduate classes
- 2 = Mainly graduate classes
- 3 = An equal mix of undergraduate and graduate classes

Applies to: Respondents who were not enrolled in a degree program during the 2003–2004 school year.

CATI Code: N4STAT in (3, -9)

N4CKHOUR

Clock hour requirement

Did your program of study require at least 3 months or 300 clock hours of instruction in order for a certificate to be awarded?

- 0 = No
- 1 = Yes

Applies to: Undergraduate respondents who were working on a diploma or certificate during the 2003–2004 school year.

CATI Code: N4STAT in (1, -9) and N4DGUG in (3, -9)

N4ASSOC

Type of associate's degree

What type of associate's degree were you working on at [NPSAS]?

- 1 = AA, AS, general education or transfer program
- 2 = AAS, occupational or technical program

Applies to: Undergraduate respondents who were working on an associate's degree during the 2003–2004 school year.

CATI Code: N4DGUG in (2, -9)

N4DGD

Type of doctoral degree

What specific degree were you working toward in your most recent term in the 2003–2004 school year?

Doctoral degree

- 11 = Doctor of Philosophy (PhD)
- 12 = Doctor of Education (EdD)
- 13 = Doctor of Science (DSc/ScD) or Engineering (DEng)
- 14 = Doctor of Psychology (PsyD)
- 15 = Doctor of Business or Public Administration (DBA/DPA)
- 16 = Doctor of Fine Arts (DFA)
- 17 = Doctor of Divinity/Theology (ThD)
- 18 = Other doctoral degree not listed

Applies to: Respondents who were working on a doctoral degree.

CATI Code: N4DGGR in (7, -9)

N4DGMS*Type of master's degree*

What specific degree were you working toward in your most recent term in the 2003–2004 school year?

Master's degree

- 1 = Master of Science (MS)
- 2 = Master of Arts (MA)
- 3 = Master of Education (MEd) or Teaching (MAT)
- 4 = Master of Business Administration (MBA)
- 5 = Public administration (MPA)
- 6 = Master of Social Work (MSW)
- 7 = Master of Fine Arts (MFA)
- 8 = Master of Public Health (MPH)
- 9 = Other master's degree program not listed
- 19 = Master of Divinity (MDiv)

Applies to: Respondents who were working on a master's degree.

CATI Code: N4DGGR in (6, -9)

N4DGPR*Type of first professional degree*

What specific degree were you working toward in your most recent term in the 2003–2004 school year?

First professional degree

- 19 = Ministry or Divinity
(MDiv/DMin/MHL/BD/ordination)
- 20 = Law (JD/LLB)
- 21 = Medicine (MD) or Osteopathic medicine (DO)
- 22 = Dentistry (DDS/DMD)
- 23 = Chiropractic (DC/DCM)
- 24 = Pharmacy (PharmD)
- 25 = Optometry (OD)
- 26 = Podiatry (DPM/DP/PodD)
- 27 = Veterinary medicine (DVM)
- 28 = Other undergraduate degree not listed
- 29 = Other graduate degree not listed

Applies to: Respondents who were working on a first professional degree.

CATI Code: (N4STAT=1 and N4DGUG in (11, 99)) or (N4STAT=2 and N4DGGR in (11, 99))

N4PRBA*Earned BA while a first professional student*

Which of the following describes your most recent enrollment at [NPSAS]?

If you are/were enrolled in more than one program, enter the highest. For example, if you are/were working on both a bachelor's degree and a professional degree, enter the professional degree.

- 1 = Enrolled in a first professional degree program, but have not yet earned a bachelor's degree
- 2 = Have already earned a bachelor's degree and was/nor enrolled for a first professional degree at the graduate level

Applies to: Respondents who were working on a first professional degree.

CATI Code: (N4STAT=1 and N4DGUG in (11, 99)) or (N4STAT=2 and N4DGGR in (11, 99))

TSTAT*Internal variable: student status*

Internal variable

TSTAT represents student status and corrects for any inconsistencies in the reported data: undergraduate, graduate

if N4STAT = 1 then

TSTAT = 1

if N4STAT = 1 and N4DGUG = 8 then

TSTAT = 2

if N4STAT = 2 then

TSTAT = 2

if (N4DGUG = 11 or N4DGGR = 11) and N4PRBA = 1 and

(N4DGPR = 19 or N4DGPR = 20 or N4DGPR = 21 or N4DGPR = 22 or

N4DGPR = 23 or N4DGPR = 24 or N4DGPR = 25 or N4DGPR = 26 or

N4DGPR = 27) then

TSTAT = 1

if (N4DGUG = 11 or N4DGGR = 11) and N4PRBA = 2 and

(N4DGPR = 19 or N4DGPR = 20 or N4DGPR = 21 or N4DGPR = 22 or

N4DGPR = 23 or N4DGPR = 24 or N4DGPR = 25 or N4DGPR = 26 or

N4DGPR = 27) then

TSTAT = 2

if N4STAT = 2 and N4DGPR = 28 and (N4DGUG = 1 or N4DGUG = 2

or N4DGUG = 3 or N4DGUG = 4) then

TSTAT = 1

if N4STAT = 2 and N4DGPR = 28 and N4DGUG = 8 then

TSTAT = 2

if N4STAT = 1 and N4DGPR = 29 and (N4DGGR = 6 or N4DGGR = 7

or N4DGGR = 8 or N4DGGR = 9 or N4DGGR = 10) then

TSTAT = 2

if N4STAT = 3 and (N4CLSLV = 1 or N4CLSLV = 3) then

TSTAT = 1

if N4STAT = 3 and N4CLSLV = 2 then

TSTAT = 2

if TSTAT = -9 then

TSTAT = 1

1 = Undergraduate

2 = Graduate

Applies to: All respondents.

TDEGREN

Numeric degree

Internal variable

TDEGREN = -9;

if N4STAT = 3 then do;

 if TSTAT = 1 then TDEGREN = 4;

 if TSTAT = 2 then TDEGREN = 9;

end;

else if TSTAT = 1 then do;

 if N4DGUG = 1 then TDEGREN = 1;

 else if N4DGUG = 2 then TDEGREN = 2;

 else if N4DGUG = 3 then TDEGREN = 3;

 else if N4DGUG = 4 then TDEGREN = 4;

 else if N4DGUG = 8 then TDEGREN = 8;

 else if N4DGUG in (11,99) then TDEGREN = 5;

 else if N4DGGR in (11,99) then TDEGREN = 5;

 else if N4DGUG = -9 then TDEGREN = 4;

end;

else if TSTAT = 2 then do;

 if N4DGGR = 6 then TDEGREN = 6;

 else if N4DGGR = 7 then TDEGREN = 7;

 else if N4DGGR = 8 then TDEGREN = 8;

 else if N4DGUG = 8 then TDEGREN = 8;

 else if N4DGGR = 9 then TDEGREN = 9;

 else if N4DGGR = 10 then TDEGREN = 10;

 else if N4DGGR in (11,99) then TDEGREN = 11;

 else if N4DGUG in (11,99) then TDEGREN = 11;

 else if N4DGGR = -9 then TDEGREN = 9;

end;

 1 = Bachelor's degree

 2 = Associate's degree

 3 = Undergraduate certificate/diploma

 4 = Undergraduate, not in a degree program

 5 = Undergraduate first professional

 6 = Master's degree

 7 = Doctoral degree

 8 = Post-baccalaureate certificate

 9 = Graduate, not in a degree program

 10 = Post-master's certificate

 11 = Graduate first professional

Applies to: All respondents.

N4ELCRD

Enrolled for transferable credit

For all questions about your 2003–2004 enrollment at [NPSAS], please refer to your most recent term of enrollment at the school. In your most recent term at [NPSAS], were you enrolled in a course for credit that could be transferred to another school?

 0 = No

 1 = Yes

Applies to: All respondents.

Recode Note: If TDEGREN not in (4, 9) then

N4ELCRD=1.

N4NPELG

NPSAS eligibility flag

Coding Flag

Internal variable

NPSAS eligibility

If (((N4HSYR > 0 and N4HSYR < begyear) or

N4CMP <> 1) and

(N4ELIG = 1 or N4DRPTM = 1 or N4DRPRF = 0 or

N4DRPCMP = 1))

AND

((N4STAT = 1 or N4STAT = -9)

and

((N4DGUG = 3 and N4CKHOUR = 1)

or ((N4DGUG = 4 or N4DGUG = -9) and

N4ELCRD = 1)

or (N4DGUG = 1 or N4DGUG = 2 or N4DGUG =

8 or

N4DGUG = 11 or N4DGUG = 99)))

or (N4STAT = 2

and

((N4dggr = 9 or N4dggr = -9) and N4ELCRD = 1)

or (N4dggr = 6 or N4dggr = 7 or N4dggr = 8 or

N4dggr = 10

or N4dggr = 11 or N4dggr = 99)))

or (N4STAT = 3 and N4ELCRD = 1))

then N4NPELG = 1

else N4NPELG = 0

0 = Not eligible

1 = Eligible

Applies to: All respondents.

N4UGYR

Undergraduate level last term

What was your year or level during your most recent term at [NPSAS] in the 2003–2004 school year?

 1 = First year or freshman

 2 = Second year or sophomore

 3 = Third year or junior

 4 = Fourth year or senior

 5 = Fifth year or higher undergraduate

 6 = Unclassified undergraduate

 7 = Graduate student taking undergraduate classes

Applies to: Undergraduate respondents who were working on a degree during the 2003–2004 school year.

CATI Code: TSTAT=1 and N4DGUG in (not = 4, -9)

N4GRYR*Graduate level last term*

[If N4DGPR > 0 then]

What year of your professional program were you in during your most recent term at [NPSAS] in the 2003–2004 school year?

[else]

What year of your graduate program were you in during your most recent term at [NPSAS] in the 2003–2004 school year?

8 = First year

9 = Second year

10 = Third year

11 = Fourth year

12 = Fifth year

13 = Sixth year or higher

Applies to: Graduate respondents who were working on a degree.

CATI Code: TSTAT=2 and TDEGREN not in (4, 9)

N4BGMY*Beginning date at NPSAS during NPSAS year*

Internal variable

N4BGMY indicates the beginning date at NPSAS during the NPSAS year. The beginning date is derived from the enrollment string (N4NEN01–N4NEN13).

*Applies to: All respondents.***N4EMY***Ending date at NPSAS during NPSAS year*

Internal variable

N4EMY indicates the ending date at NPSAS during the NPSAS year. The ending date is derived from the enrollment string (N4NEN01–N4NEN13).

*Applies to: All respondents.***N4DBLMAJ***Major declared/undeclared*

Have you declared a major yet?

0 = Not in a degree program

1 = Declared major

2 = Declared double major

3 = Not yet declared

Applies to: All respondents.

Recode Note: If TDEGREN in (4,9) then

N4DBLMAJ=0.

If TSTAT=2 and TDEGREN not in (4,9) then

N4DBLMAJ=1.

N4CLTYA–N4CLTYL, N4CLTYX*Types of classes*

What types of classes have you been taking during the 2003–2004 school year?

(Please check all that apply.)

0 = No

1 = Yes

N4CLTYA—Business**N4CLTYB**—Health**N4CLTYC**—Education**N4CLTYD**—Engineering and Engineering Technology**N4CLTYE**—Computer and Information Sciences**N4CLTYF**—Social Sciences**N4CLTYG**—Natural Sciences and Mathematics**N4CLTYH**—Arts and Humanities**N4CLTYI**—Communications**N4CLTYJ**—Vocational Programs**N4CLTYK**—University Transfer**N4CLTYL**—General Education**N4CLTYX**—Other*Applies to: Respondents who were not enrolled in a degree program during the 2003–2004 school year.*

CATI Code: TDEGREN in (4, 9)

N4GPA1*GPA measured on 4.00 scale*

Is your grade point average (GPA) measured on a 4.00 scale?

1 = Yes

2 = No, it is measured on another grading scale

3 = No, the school does not award grades

4 = Yes, but no GPA yet

Applies to: All respondents.

Recode Note: If N4GPA= -5 then N4GPA1=4.

N4GPA*Cumulative GPA*

What was your cumulative GPA at [NPSAS] through the end of your most recent term in the 2003–2004 school year?

Range: 0.00 to 4.00

Applies to: Respondents whose GPA was measured on a 4.0 scale.

CATI Code: N4GPA1 in (1, -9)

N4GPAEST

Estimate of GPA

Which of the following would you say best describes your grade point average at [NPSAS]?

- 1 = Mostly A's (3.75 and above)
- 2 = A's and B's (3.25-3.74)
- 3 = Mostly B's (2.75-3.24)
- 4 = B's and C's (2.25-2.74)
- 5 = Mostly C's (1.75-2.24)
- 6 = C's and D's (1.25-1.74)
- 7 = Mostly D's or below (below 1.24)
- 8 = Don't know

Applies to: Respondents whose GPA was on a 4.0 point scale and did not know their numeric GPA, or who were on a grading scale other than a 4.0 point scale.

CATI Code: (N4GPA1 in (1, -9) and N4GPA= -9.00) or (N4GPA1=2))

N4DGBMY

Date first began NPSAS ever

In what month and year did you first attend [NPSAS] after completing high school requirements?

Applies to: Undergraduate respondents.

CATI Code: TSTAT=1

N4CMPDGN

Completed requirements for degree

Have you completed all the requirements for your [TDEGREN]?

- 0 = No
- 1 = Yes

Applies to: Respondents in a degree program.

Cati Code: TDEGREN not in (4, 9)

Recode Note: If TCURENRL=1 and TDEGREN not in (4, 9) then N4CMPDGN=0.

If TCURENRL=0 and (N4GRYR=8 and TDEGREN in (5, 7, 11) or (N4UGYR in (1, 2) and TDEGREN=1) then N4CMPDGN=0.

N4GRMY

Date began graduate studies

When did you begin your [TDEGREN] at [NPSAS]?

Applies to: Graduate respondents who were working on a degree.

CATI Code: TSTAT=2 and TDEGREN not = 9

N4GRST

Graduate enrollment status

Earlier you told us about your enrollment status for the 2003–2004 school year. Now we'd like to ask about your enrollment since you began your graduate program. Since you started working on your [TDEGREN], have you been enrolled mainly as a full-time student or a part-time student?

- 1 = Mainly full-time
- 2 = Mainly part-time
- 3 = Mix of full- and part-time

Applies to: Graduate respondents who were working on a degree.

CATI Code: TSTAT=2 and TDEGREN not =9

N4EXNMY

Date expect degree at NPSAS

In what month and year do you expect to complete the requirements for your [TDEGREN]?

Applies to: Respondents who were working toward a degree at NPSAS who expect to complete it.

CATI Code: TDEGREN not in (4, 9) and N4CMPDGN not =1 and N4EXPN not =1

N4EXPN

Date expect degree: will not complete

In what month and year do you expect to complete the requirements for your [TDEGREN]?

Will not finish the [TDEGREN]

- 0 = No
- 1 = Yes

Applies to: Respondents who are working toward a degree at NPSAS but have not completed it.

CATI Code: TDEGREN not in (4,9) and N4CMPDGN not =1

N4DGNMY

Date awarded degree at NPSAS

In what month and year did you complete your [TDEGREN] at [NPSAS]?

Applies to: Respondents who completed a degree at NPSAS.

CATI Code: N4CMPDGN in (1, -9)

N4ENRPLN

Plan to be enrolled next year at NPSAS

Do you plan to be enrolled at [NPSAS] during the 2004-2005 school year?

- 0 = No
- 1 = Yes

Applies to: Respondents who are not currently enrolled at NPSAS and have not completed a degree.

CATI Code: TCURENRL=0 and N4CMPDGN not =1

N4EXPNP

Highest level of education expected at NPSAS

[If TCURENRL = 1 then]

What is the highest level of education you expect to complete at [NPSAS]?

[else]

What was the highest level of education you expected to complete at [NPSAS]?

0 = No degree/certificate

1 = Bachelor's degree

2 = Associate's degree

3 = Undergraduate certificate or diploma
(occupational or technical program)

6 = Master's degree

7 = Doctoral degree (such as the Ph.D., Ed.D., etc.)

8 = Post-baccalaureate certificate

10 = Post-master's certificate

12 = Professional degree (only includes the following degree programs: chiropractic, dentistry, law, medicine, optometry, osteopathic medicine, pharmacy, podiatry, divinity/theology, or veterinary medicine)

Applies to: All respondents except those who did not plan on being enrolled at NPSAS in 2004-2005.

CATI Code: N4ENRPLN not = 0

Recode Note: If N4DGGR=7 then N4EXPNP=7.

N4NEW1-5

Attended other schools (1-5) during NPSAS year

Have you attended any other schools besides [NPSAS] since July 1, 2003?

0 = No

1 = Yes

Applies to: All respondents.

N4NUMSCH

Total schools attended

Derived variable

N4NUMSCH is calculated based on enrollment history during the 2003-2004 school year and respondents' reporting of attendance at other institutions.

If no other schools attended, N4NUMSCH=1;

If 1 other school attended, N4NUMSCH=2;

If 2 other school attended, N4NUMSCH=3;

If 3 other school attended, N4NUMSCH=4;

If 4 other school attended, N4NUMSCH=5;

If 5 other school attended, N4NUMSCH=6;

Observed range: 1 - 6

Applies to: All respondents.

NEWNUMSC

Revised number of schools attended during NPSAS year

Internal variable

This variable represents the number of institutions the respondent attended during the NPSAS year, correcting for duplicate entries as well as institutions that were coded after data collection.

Observed range: 1 - 6

Applies to: All respondents.

N4ENSTCT

Number of valid enrollment strings

Internal variable

This variable holds the number of valid enrollment strings we have for each respondent.

0 = 0

1 = 1

2 = 2

3 = 3

4 = 4

5 = 5

6 = 6

Applies to: All respondents.

TMULTPL

Indicator of multiple enrollment during NPSAS year

Internal variable

TMULTPL is calculated from the number of valid IPEDS codes.

If N4NUMSCH>1 then TMULTPL=1 (Attended additional schools)

else TMULTPL=0 (Only attended NPSAS)

0 = No

1 = Yes

Applies to: All respondents.

N4EMX

Monthly enrollment indicators-all schools

N4EMX is the overall enrollment string. It shows enrollment during the NPSAS year regardless of school. Therefore, it is a combination enrollment string for all schools attended.

Each month is designated by a character in the 12 month (12 character) enrollment string. The string runs from July 2003-June 2004. Within each character space, we allow the following designators for type of enrollment:

- <1> Mostly Full-time
- <3> Mostly Part-time
- <4> Equal mix of Full-time and Part-time
- <9> Enrolled, status unknown
- <0> None
- <-1> Don't know
- <-9> Missing

For example, If the respondent was enrolled part time for the first half of the year, and then mixed for the 2nd half of the year then N4EMX = 333333444444.

If the respondent attended more than one school during the NPSAS year, there is an order of precedence for each character space:

- 1st=Full time
- 2nd=Mixed
- 3rd=Part time

Therefore, if the respondent was enrolled as at fulltime student at one school during December, and also as a part time student somewhere else in December, we mark "full time".

Further examples:

a) If the respondent has 2 schools and N4NEMX = 101010101010 and N41EMX = 111111111111, then N4EMX = 111111111111.

b) If the respondent has 2 schools and N4NEMX = 111111222222 and N41EMX = 111111111111, then N4EMX = 111111111111.

Applies to: All respondents.

N4EMXFLG

N4EMX flag

Coding Flag

N4EMXFLG indicates the following values for the enrollment string (N4EMX):

- 1: entire string is -1 (don't know)
- 9: entire string is -9 (missing)
- 1: entire string is valid (no -1 nor -9)
- 2: mixed with valid strings (1-4, -1, -9)

Examples:

a) A value of 1 in N4EMXFLG means that the overall enrollment string, N4EMX, is made up of enrollment strings that are all valid strings. For example, if the respondent has 2 schools and N4NEMX =

101010101010 and N41EMX = 111111111111, then N4EMX = 111111111111 and N4EMXFLG = 1.

b) A value of 2 means that N4EMX is made up of some valid strings and some not valid strings (i.e. -9, -1). For example, if the respondent has 2 schools and N4NEMX = 101010101010 and N41EMX = -9, then N4EMX = 101010101010 and N4EMXFLG = 2.

1 = Entire string is valid: no -1 or -9

2 = Mixed with valid strings

Applies to: All respondents.

N4NFST

NPSAS was first school attended after high school

Was [NPSAS] the first college or trade school you enrolled in after completing your high school requirements?

0 = No

1 = Yes

Applies to: Undergraduate respondents.

CATI Code: TSTAT=1

N4FSTMY

Date attended first school

In what month and year did you first attend any college, university, or trade school after high school?

Applies to: Respondents for whom NPSAS was not the first school after high school.

CATI Code: N4NFST in (0, -9)

N4CMPCLS

Completed postsecondary course after high school

Did you complete one or more postsecondary classes (at a college or trade school) toward a degree or formal award between the time you completed high school and July 1, 2003?

0 = No

1 = Yes

Applies to: Undergraduates who first enrolled at a postsecondary institution prior to July 1, 2003 and are either in the first or second year of a degree program, or not in a degree program.

CATI Code: ((TSTAT=1) and ((N4NFST=1 and N4DGBMY<200307) or (N4NFST not = 1 and N4FSTMY < 200307)) and ((N4DGUG = 4) or ((N4DGUG not = 4) and (N4UGYR in (1, 2, 6,-3, -9))))))

N4TRNSFR*Transferred to NPSAS*

Did you transfer to [NPSAS] from another school at any time during 2003-2004?

0 = No

1 = Yes

Applies to: Undergraduate respondents who went to multiple schools during the 2003–2004 school year and NPSAS was not their first school.

CATI Code: TSTAT=1 and TMULTPL=1 and N4NFST in (0, -9)

N4TRNCRD*Transferred credits to NPSAS*

Did [NPSAS] accept all, some, or none of the credits you wanted to transfer?

0 = None

1 = All

2 = Some

Applies to: Undergraduate respondents who transferred to NPSAS from another school during the 2003–2004 school year.

CATI Code: TSTAT=1 and TMULTPL=1 and N4NFST in (0, -9) and N4TRNSFR in (1, -9)

N4TRNAWY*Transferred from NPSAS*

Did you transfer from [NPSAS] to another school at any point during, 2003-2004?

0 = No

1 = Yes

Applies to: Undergraduates who were not enrolled at NPSAS during the time of the interview and were enrolled at multiple schools during the 2003–2004 school year.

CATI Code: TSTAT=1 and N4ELIG not =1 and TMULTPL=1

N4TRNPLN*Plan to transfer from NPSAS*

Do you plan to transfer from [NPSAS] to another school?

0 = No

1 = Yes

Applies to: Undergraduates who were either currently enrolled, or not currently enrolled but who planned to be enrolled at NPSAS in 2004-2005, and did not complete a degree and had not transferred away from NPSAS.

CATI Code: TSTAT=1 and (TCURENRL=1 or (TCURENRL=0 and N4ENRPLN in (1, -9))) and N4CMPDGN not = 1 and N4TRNAWY not = 1

N4PRDG*Earned prior degree/certificates*

[If TDEGREN in (4, 9)]

Have you earned any degrees or certificates since you left high school?

[else]

Other than the [TDEGREN] that you [are working on/earned] at [NPSAS], have you earned any other degrees or certificates since you left high school?

0 = No

1 = Yes

Applies to: All respondents.

Recode note: If N4CMPCLS=0 then N4PRDG=0.

N4PRCHKA*Prior degree check: bachelor's degree*

Have you earned a bachelor's degree?

0 = No

1 = Yes

Applies to: Respondents who worked on a master's, post master's or doctoral degree at NPSAS and reported not completing a prior degree.

CATI Code: TDEGREN in (7, 6, 10) and N4PRDG not = 1

N4PRCHKB*Prior degree check: master's degree*

Have you earned a master's degree?

0 = No

1 = Yes

Applies to: Respondents who worked on a master's, post master's or doctoral degree at NPSAS and reported not completing a prior degree.

CATI Code: (TDEGREN in 7, 6, 10) and N4PRDG not = 1

N4OTDGA–N4OTDGH*Degrees earned*

What degrees or certificates have you already earned? (Please check all that apply.)

0 = No

1 = Yes

N4OTDGA—Bachelor's degree**N4OTDGB**—Associate's degree**N4OTDGC**—Undergraduate certificate/diploma**N4OTDGD**—Post-baccalaureate certificate**N4OTDGE**—Master's degree**N4OTDGF**—Post-master's certificate**N4OTDGG**—First professional degree**N4OTDGH**—Doctoral degree*Applies to: Respondents who have earned other degrees or certificates.*

CATI Code: N4PRDG in (1, -9)

N4PRDGMY

Bachelor's degree completed date

In what month and year was your bachelor's degree awarded?

Applies to: Respondents who have earned a bachelor's degree.

CATI Code: N4OTDGA in (1, -9)

N4EXPEVR

Highest level of education expected

What is the highest level of education you ever expect to complete?

- 0 = No degree/certificate
- 1 = Bachelor's degree
- 2 = Associate's degree
- 3 = Undergraduate certificate or diploma (occupational or technical program)
- 6 = Master's degree
- 7 = Doctoral degree (such as the PhD, EdD, etc.)
- 8 = Post-baccalaureate certificate
- 10 = Post-master's certificate
- 12 = Professional degree (includes the following degree programs: chiropractic, dentistry, law, medicine, optometry, osteopathic medicine, pharmacy, podiatry, divinity/theology, or veterinary medicine)

Applies to: All respondents.

Recode Note: If N4DGGR=7 or N4EXPNP=7 then N4EXPEVR=7.

N4EVRCC

Ever attended community college

Have you ever taken classes at a community college?

- 0 = No
- 1 = Yes

Applies to: All respondents.

Recode Note: If (Y_NPLEVL = 2 and Y_NPCTRL = 1) or (N4LEVL1 = 2 and N4CTRL1 = 1) or (N4LEVL2 = 2 and N4CTRL2 = 1) or (N4LEVL3 = 2 and N4CTRL3 = 1) or (N4LEVL4 = 2 and N4CTRL4 = 1) or (N4LEVL5 = 2 and N4CTRL5 = 1) then N4EVRCC=1.

N4RSNA–N4RSNG

Reason for attending NPSAS

What were your main reasons for enrolling at [NPSAS]?

(Please check all that apply.)

- 0 = No
- 1 = Yes
- N4RSNA**—Learn job skills/prepare for job
- N4RSNB**—Transfer to a 2-year school
- N4RSNC**—Transfer to a 4-year school
- N4RSND**—Transfer but not known where
- N4RSNE**—Personal interest or enrichment

N4RSNF—Complete an undergraduate certificate or diploma

N4RSNG—Complete an associate's degree

Applies to: Respondents enrolled in a less-than-4-year institution and respondents enrolled in a 4-year institution who are not working on a degree.

CATI Code: Y_NPLEVL gt 1 or (Y_NPLEVL = 1 and TDEGREN in (4, 9))

N4EVR4YR

Ever attended 4-year school

Have you ever attended a 4-year school?

- 0 = No
- 1 = Yes

Applies to: All respondents.

Recode Note: If (Y_NPLEVL=1 or N4LEVL1=1 or N4LEVL2=1 or N4LEVL3=1 or N4LEVL4=1 or N4LEVL5=1) then N4EVR4YR=1.

N4GENDR

Gender

So that the rest of this interview may be customized for you, please answer the following questions.

What is your gender?

- 1 = Male
- 2 = Female

Applies to: All respondents.

N4DOBMY

Date of birth

[If N4GENDR = -3 then]

So that the rest of this interview may be customized for you, please answer the following questions.

In what month and year were you born?

[else]

In what month and year were you born?

Applies to: All respondents.

N4LT30

Age: less than 30

What is your age? Are you...

- 1 = Under 24
- 2 = 24-29
- 3 = 30 or over

Applies to: Respondents who did not provide a date of birth.

CATI Code: N4DOBY= -9

TAGE*Age as of January 1, 2004*

Internal Variable

Calculate age as of January 1, 2004 based on N4DOB.

IF N4DOBY=blank and N4LT30=1 THEN

TAGE=1;

IF N4DOBY=blank and N4LT30=2 THEN

TAGE=2;

IF N4DOBY=blank and N4LT30=3 THEN

TAGE=99;

*Applies to: All respondents.***N4MARR***Current marital status*

What is your current marital status?

1 = Single, never married

2 = Married

3 = Separated

4 = Divorced

5 = Widowed

*Applies to: All respondents.***N4DIPL***Type of high school completion*

Which of the following best describes your high school completion?

1 = Received a high school diploma

2 = Passed a GED (General Educational Development) test

3 = Received a high school completion certificate

4 = Attended a foreign high school

5 = Did not complete high school or a high school equivalency program

6 = I was home schooled

Applies to: Undergraduate respondents.

CATI Code: TSTAT=1

N4HSYR*Date completed high school*

When did you complete high school?

[If N4DIPL=4]

When did you last attend high school?

[If N4DIPL=1]

When did you receive your high school diploma?

[If N4DIPL=3]

When did you receive your high school certificate?

[If N4DIPL=2]

When did you receive your GED?

Year

Applies to: Undergraduate respondents.

CATI Code: TSTAT=1

Recode Note: If N4DIPL=5 then N4HSYR=0.

TDELAY*One year delay after high school*

Internal variable

TDELAY calculates the amount of time between first enrollment in postsecondary education and high school completion.

If [N4SCHSTR-N4HSYR]>0 THEN TDELAY=1
else if N4NFST not = 1 THENIf [N4FSTYY-N4HSYR]>0 THEN TDELAY=1;
else TDELAY=0;

0 = No delay

1 = Delay

*Applies to: All respondents.***N4CMP***Currently completing high school requirements*

Were you completing high school requirements for the entire time you were enrolled at [NPSAS] between July 1, 2003 and June 30, 2004?

0 = No

1 = Yes

Applies to: Undergraduates who completed high school during 2004, or who did not provide a date for high school graduation, or who had not completed high school during the time of the interview.

CATI Code: TSTAT=1 and N4HSYR in (2004, 0, -9)

N4HSST

High school state

In what state did you last attend high school?

- | | |
|-----------------------------|------------------------------|
| 1 = Alabama | 31 = New Jersey |
| 2 = Alaska | 32 = New Mexico |
| 3 = Arizona | 33 = New York |
| 4 = Arkansas | 34 = North Carolina |
| 5 = California | 35 = North Dakota |
| 6 = Colorado | 36 = Ohio |
| 7 = Connecticut | 37 = Oklahoma |
| 8 = Delaware | 38 = Oregon |
| 9 = District of
Columbia | 39 = Pennsylvania |
| 10 = Florida | 40 = Rhode Island |
| 11 = Georgia | 41 = South Carolina |
| 12 = Hawaii | 42 = South Dakota |
| 13 = Idaho | 43 = Tennessee |
| 14 = Illinois | 44 = Texas |
| 15 = Indiana | 45 = Utah |
| 16 = Iowa | 46 = Vermont |
| 17 = Kansas | 47 = Virginia |
| 18 = Kentucky | 48 = Washington |
| 19 = Louisiana | 49 = West Virginia |
| 20 = Maine | 50 = Wisconsin |
| 21 = Maryland | 51 = Wyoming |
| 22 = Massachusetts | 52 = Puerto Rico |
| 23 = Michigan | 54 = American Samoa |
| 24 = Minnesota | 55 = Guam |
| 25 = Mississippi | 56 = Fed State
Micronesia |
| 26 = Missouri | 57 = Marshall Islands |
| 27 = Montana | 58 = Northern Mariana Isl |
| 28 = Nebraska | 59 = Palau |
| 29 = Nevada | 60 = Virgin Islands |
| 30 = New Hampshire | 63 = FOREIGN
COUNTRY |

Applies to: Undergraduate respondents who were not enrolled in a foreign high school.

CATI Code: TSTAT=1 and N4DIPL not = 4

N4HSTYP

Type of high school attended

Was your high school public or private?

- 1 = Public
- 2 = Private
- 3 = Attended a foreign high school

Applies to: Undergraduate respondents who received a high school diploma, completion certificate, attended a foreign high school, or were home schooled.

CATI Code: TSTAT=1 and N4DIPL not = (2, 5, 6)

Recode Note: If N4DIPL=4 then N4HSTYP=3

N4BPSELG

BPS eligibility flag

Coding Flag

Internal Variable

N4BPSELG determines eligibility for inclusion in the BPS cohort.

N4BPSELG=1 if:

An undergraduate freshman or first-year student between July 1, 2003 and June 30, 2004, had not completed any prior degrees, and had not completed at least one postsecondary class toward a degree or formal award since completing high school.

- 0 = Not BPS eligible
- 1 = BPS eligible-NPSAS
- 2 = BPS eligible-not NPSAS

Applies to: All respondents

Section B: Financial Aid

**N4TASST, N4RASST, N4GFEL,
N4TRNSHP, N4GASST**

Graduate teaching assistantship

For the 2003–2004 school year, which of the following did you have?

(Please check all that apply.)

(If you did not receive any of the following types of aid, choose None and then hit continue.)

0 = No

1 = Yes

N4TASST—A graduate teaching assistantship

N4RASST—Graduate research assistantship

N4GFEL—Graduate fellowship

N4TRNSHP—Traineeship

N4GASST—Graduate assistantship

Applies to: Graduate respondents.

CATI Code: TSTAT=2

**N4TASSM, N4RASSM, N4GFELM,
N4TRNSM, N4GASSM**

Teaching assistantship amount

For the 2003–2004 school year, which of the following did you have?

(Please check all that apply.)

(If you did not receive any of the following types of aid, choose None and then hit continue.)

N4TASSM—Graduate teaching assistantship amount

N4RASSM—Graduate research assistantship amount

N4GFELM—Graduate fellowship amount

N4TRNSM—Traineeship amount

N4GASSM—Other graduate assistantship amount

N4NONE

No graduate assistantship

For the 2003–2004 school year, which of the following did you have?

(Please check all that apply.)

(If you did not receive any of the following types of aid, choose None and then hit continue.)

None

0 = No

1 = Yes

Applies to: Graduate respondents.

CATI Code: TSTAT=2

N4TUITN

Tuition paid by assistantship

Did you receive a tuition waiver or any other form of full or partial tuition assistance through your assistantship?

0 = No

1 = Yes

Applies to: Graduate respondents with a teaching or research assistantship.

CATI Code: TSTAT=2 and N4TASST in (1,-9) or N4RASST in (1,-9)

N4HINS

Health insurance with assistantship

As part of your [teaching assistantship/research assistantship], did you receive health insurance?

0 = No

1 = Yes

Applies to: Graduate respondents with a teaching or research assistantship.

CATI Code: TSTAT=2 and N4TASST in (1,-9) or N4RASST in (1,-9)

**N4CLSHRS, N4DISHRS, N4LABHRS,
N4GRAHRS, N4MSGHRS, N4OFFHRS**

TA duties

Which of the following activities did you perform as a teaching assistant during the 2003–2004 school year? (Please check all that apply.)

[If TCURENRL=1]

0 = No

1 = Yes

N4CLSHRS—Assumed teaching responsibility for one or more courses

N4DISHRS—Led discussion sections for faculty-taught courses

N4LABHRS—Supervised lab sections for faculty-taught courses

N4GRAHRS—Assisted faculty with grading or other instruction-related activities

N4MSGHRS—Assisted faculty with answering student e-mail messages

N4OFFHRS—Held office hours

Applies to: Graduate respondents with a teaching assistantship.

CATI Code: TSTAT=2 and N4TASST in (1,-9)

N4WKST

School job: work study

[If TCURENRL=1]

During the 2003–2004 school year, have you participated in either work study or a paid assistantship? (Please check all that apply.)

[else]

During the 2003–2004 school year, did you participate in either work study or a paid assistantship? (Please check all that apply.)

Work-study

0 = No

1 = Yes

Applies to: Undergraduate respondents.

CATI Code: TSTAT=1

N4ASST

School job: assistantship

[If TCURENRL=1]

During the 2003–2004 school year, have you participated in either work study or a paid assistantship? (Please check all that apply.)

[else]

During the 2003–2004 school year, did you participate in either work study or a paid assistantship? (Please check all that apply.)

Assistantship

0 = No

1 = Yes

Applies to: Undergraduate respondents.

CATI Code: TSTAT=1

N4JOBNON

School job: none

[If TCURENRL=1]

During the 2003–2004 school year, have you participated in either work study or a paid assistantship? (Please check all that apply.)

[else]

During the 2003–2004 school year, did you participate in either work study or a paid assistantship? (Please check all that apply.)

None of the above

0 = No

1 = Yes

Applies to: Undergraduate respondents.

CATI Code: TSTAT=1

N4WSMAJR

Work study: related to major

Would you say your [work study job/assistantship] was related to your major or field of study at [NPSAS]?

0 = No

1 = Yes

Applies to: Undergraduate respondents who had a work study job or assistantship.

CATI Code: TSTAT=1 and (N4WKST in (1,-9) or N4ASST in (1,-9))

Recode Note: If ((N4WKST in (1,-9) or N4ASST in (1,-9)) and N4DBLMAJ in (0, 3) then N4WSMAJR=0.

N4WSONOF

Work study: on/off campus

Was your [work study job/assistantship] located primarily on or off campus?

1 = On campus

2 = Off campus

3 = Both on and off campus

Applies to: Undergraduate respondents who had a work study job or an assistantship.

CATI code: TSTAT=1 and (N4WKST in (1,-9) or N4ASST in (1,-9))

N4WSEMP

Work study: for school

Was your work study job for [NPSAS] or for another institution or organization?

1 = [NPSAS]

2 = Another institution or organization

Applies to: Undergraduate respondents who had a work study job or an assistantship.

CATI code: TSTAT=1 and (N4WKST in (1,-9) or N4ASST in (1,-9))

N4WSTDY

Work-study: community service

Was your work study job part of a community service project?

0 = No

1 = Yes

Applies to: Undergraduate respondent who had a work study job.

CATI Code: TSTAT=1 and N4WKST in (1,-9)

N4LTRCY

Work study: tutoring

Was your work study job involved with literacy education or tutoring?

0 = No

1 = Yes

Applies to: Undergraduate respondents who had a work study job.

CATI Code: TSTAT=1 and N4WKST in (1,-9)

N4WAAMT*Work study: earnings*

How much did you earn from your [assistantship/fellowship/traineeship/work study job] while you were enrolled during the 2003–2004 school year?

Applies to: All respondents.

Recode note: If TSTAT=1 and (n4wkst=0 and n4asst=0) then N4WAAMT=0.

If TSTAT=2 and (N4TASST=0 and N4RASST=0 and N4TRNSHP=0 and N4GASST=0) then N4WAAMT=0.

N4WAERNT*Work study: time period for earnings*

How much did you earn from your [assistantship/fellowship/traineeship/work study job] while you were enrolled during the 2003–2004 school year?

Per

- 1 = Year
- 2 = Term/semester
- 3 = Month
- 4 = Week

Applies to: All respondents.

Recode note: If TSTAT=1 and (n4WKST=0 and n4ASST=0) then N4WAERNT=1.

If TSTAT=2 and (N4TASST=0 and N4RASST=0 and N4TRNSHP=0 and N4GASST=0) then N4WAERNT=1.

N4WAERNS*Work study: number of terms/months/weeks/hours worked*

Between July 2003 and June 2004, how many [terms/months/weeks] will you have worked in your [assistantship/fellowship/traineeship/work study job]?

Applies to: All respondents.

Recode note: If TSTAT=1 and (N4WKST=0 and N4ASST=0) then N4WAERNS=0.

If TSTAT=2 and (N4TASSM gt 0 or N4RASSM gt 0 or N4TRNSM gt 0 or N4GASSM gt 0) then N4WAERNS=1.

N4WTOTEN*Work study: total earnings*

Derived variable

Total earnings for school jobs

N4WAAMT=work-study earnings

N4WAERNT=work-study time period for earnings

N4WAERNS=Number of terms/months/weeks/hrs worked

N4WTOTEN - combine and convert into amount per year N4WAAMT and N4WAERNT

if N4WAERNT=1 then

N4WTOTEN = N4WAAMT;

else if N4WAERNT gt 1 then do;

if N4WAAMT gt 0 and N4WAERNS gt 0 then

N4WTOTEN = N4WAAMT * N4WAERNS;

else if N4WAAMT in (-9,-6) then

N4WTOTEN = N4WAAMT;

else if N4WAERNS in (-9,-6) then

N4WTOTEN = N4WAERNS;

end;

else if N4WAERNT in (-3,-4,-9,-7,-6) then

N4WTOTEN = N4WAERNT;

Applies to: All respondents.

Recode note: If TSTAT=1 and (N4WKST=0 and N4ASST=0) then N4WTOTEN=0.

If TSTAT=2 and (N4TASST=0 and N4RASST=0 and N4TRNSHP=0 and N4GASST=0) then N4WTOTEN=0.

N4WAHRS*Work study: hours worked per week*

During the 2003–2004 school year, how many hours did you work per week in your [assistantship/fellowship/traineeship/work study job]?

Applies to: All respondents.

Recode note: If TSTAT=1 and (N4WKST=0 and N4ASST=0) then N4WAHRS=0.

If TSTAT=2 and (N4TASST=0 and N4RASST=0 and N4TRNSHP=0 and N4GASST=0) then N4WAHRS=0.

N4WAWEEK*Work study: weeks worked*

For your [assistantship/fellowship/traineeship/work study job], would you say you worked during all the weeks you were enrolled, most of them, half of them, or less than half?

0 = 0

1 = All

2 = Most

3 = Half

4 = Less than half

Applies to: Respondents except those who reported the number of weeks worked.

CATI Code: N4WAERNT not =4 and N4WAERNS gt 0

Recode note: If TSTAT=1 and (N4WKST=0 and N4ASST=0) then N4WAWEEK=0.

If TSTAT=2 and (N4TASST=0 and N4RASST=0 and N4TRNSHP=0 and N4GASST=0) then N4WAWEEK=0.

N4RCVAID

Received financial aid

[If N4WKST = 1 or N4ASST = 1 or N4TASST = 1 or N4RASST = 1 or N4GASST = 1]

Besides your [work study/assistantship] did you receive any other financial aid - such as grants, loans, or scholarships during the 2003–2004 school year? [else]

Did you receive financial aid - such as grants, loans, or scholarships during the 2003–2004 school year?

0 = No

1 = Yes

Applies to: All respondents.

N4APPAID

Applied for financial aid

Did you apply for financial aid for the 2003–2004 school year?

0 = No

1 = Yes

Applies to: All respondents.

Recode Note: If N4RCVAID=1 then N4APPAID=1.

N4FEDLN

Received federal loans

Did you receive a federal Stafford student loan for the 2003–2004 school year?

0 = No

1 = Yes

Applies to: Respondents who received financial aid.

CATI Code: N4RCVAID in (1,-9)

N4PELL

Received Pell grant

Did you receive a Pell grant for the 2003–2004 school year?

0 = No

1 = Yes

Applies to: Undergraduate respondents who received financial aid.

CATI Code: TSTAT=1 and N4RCVAID in (1,-9)

N4STGRT, N4INGRT

Received state/school grant/scholarship

Did you receive any scholarships or grants from your school or from a state grant program during the 2003–2004 school year?

0 = No

1 = Yes

N4STGRT—State grant or scholarship

N4INGRT—College grant or scholarship

Applies to: Respondents who received financial aid.

CATI Code: N4RCVAID in (1,-9)

N4STAMT, N4INAMT

State/school grant/scholarship amount

Did you receive any scholarships or grants from your school or from a state grant program during the 2003–2004 school year?

N4STAMT—State grant/scholarship amount

N4INAMT—School grant/scholarship amount

Applies to: Respondents who received financial aid.

CATI Code: N4RCVAID in (1,-9)

N4STNONE

Did not receive state or college aid

Did you receive any scholarships or grants from your school or from a state grant program during the 2003–2004 school year?

Did not receive state or college aid

0 = No

1 = Yes

Applies to: Respondents who received financial aid.

CATI Code: N4RCVAID in (1,-9)

N4ADNEMP, N4ADNPRV, N4ADNVET, N4ADNPMP

Did you receive any financial aid during the 2003–2004 school year that did not come from the financial aid office?

Did you receive...?

0 = No

1 = Yes

N4ADNEMP—Tuition reimbursement from your employer

N4ADNPRV—Grants or scholarships from a private organization

N4ADNVET—Veteran's or DoD (Department of Defense) benefits

N4ADNPMP—Aid from your parent's employer

Applies to: All respondents.

N4AMNEMP, N4AMNPRV, N4AMNVET, N4AMNPMP

Did you receive any financial aid during the 2003–2004 school year that did not come from the financial aid office?

Did you receive...?

N4AMNEMP—Amount of employer aid

N4AMNPRV—Amount of private organization aid

N4AMNVET—Amount of veteran's benefits

N4AMNPMP—Amount of parent's employer aid

Applies to: Respondents who received employer aid.

CATI code:

N4ADNON*No other aid*

Did you receive any financial aid during the 2003–2004 school year that did not come from the financial aid office?

Did you receive...?

None

0 = Had other aid

1 = No other aid

Applies to: All respondents.

N4PRVLN*Receive alternative loan*

Did you receive any type of commercial or private loan (such as TERI, Excel, or Access loans) from a bank or private organization for your enrollment during the 2003–2004 school year?

0 = No

1 = Yes

Applies to: All respondents.

N4PRVAMT*Amount of alternative loan*

How much did you borrow in commercial or private loans during the 2003–2004 school year?

Applies to: All respondents.

Recode Note: If N4PRVLN=0 then N4PRVAMT=0.

N4SCHRES*Residence while enrolled*

While you were enrolled during the 2003–2004 school year, did you live on campus, with your parents or guardians, or some place else?

(If you lived in more than one residence, choose the place where you lived for the longest period of time.)

1 = On-campus

2 = With parents or guardians

3 = Some place else (off campus)

Applies to: Undergraduate respondents.

CATI Code: TSTAT=1

N4PARPA–N4PARF*Help from parents*

Which of the following do your parents/guardians help you pay?

(Please check all that apply.)

0 = No

1 = Yes

N4PARPA—Tuition and fees

N4PARPB—Other educational expenses such as books and supplies

N4PARPC—Housing such as rent or dorm cost and utilities

N4PARPD—Other living expenses such as food and transportation

N4PARPE—None of the above - no financial assistance from parents

N4PARPF—Parents deceased

Applies to: Respondents under 30.

CATI Code: TAGE lt 30

N4RNTAMT*Monthly mortgage/rent amount*

[If TCURENRL=1]

Since you have been enrolled during the 2003–2004 school year, how much (on average) have you paid in rent or mortgage payments each month?

[else]

While you were enrolled during the 2003–2004 school year, how much was your monthly rent or mortgage payment?

Applies to: Respondents under 30 who did not live with their parents/guardians during the 2003–2004 school year.

CATI Code: TAGE lt 30 and N4SCHRES in (3, -9)

N4OTHRES*Lived with parents while not enrolled*

Did you live with your parents/guardians when you were not in school during the 2003–2004 school year?

0 = No

1 = Yes

Applies to: Undergraduate respondents under 30 except those who indicated their parents are deceased.

CATI Code: TSTAT=1 and TAGE lt 30 and N4PARPF in (1, -9)

N4OUTST*Out-of-state tuition/fees*

[If TCURENRL = 1 then]

At [NPSAS], are you charged for out-of-state or out-of-district tuition or fees?

[else]

At [NPSAS], were you charged for out-of-state or out-of-district tuition or fees?

0 = No

1 = Yes

Applies to: Respondents who attended a public institution.

CATI Code: Y_NPCTRL=1

N4ALWNC

Received allowance

Did you receive a regular allowance from your parents/guardians while you were enrolled at [NPSAS] during the 2003–2004 school year?

- 0 = No
- 1 = Yes

Applies to: Undergraduate respondents under 30 except those who did not receive parental support or indicated their parents are deceased.

CATI Code: TSTAT=1 and TAGE lt 30 and N4PARPE not =1 and N4PARPF not =1.

N4ALWN2

Allowance amount

[If TCURENRL=1]

How much (on average) is your was your allowance? [else]

How much (on average) was your allowance?

Applies to: Undergraduate respondents under 30 except those who did not receive parental support or whose parents were deceased.

CATI Code: TSTAT=1 and TAGE lt 30 and N4PARPE not =1 and N4PARPF not =1.

Recode Note: If N4ALWNC=0 then N4ALWN2=0.

N4ALWN3

Time period for allowance

[If TCURENRL=1]

How much (on average) is your was your allowance? [else]

How much (on average) was your was your allowance?

- 1 = Week
- 2 = Month
- 3 = Semester/term
- 4 = Year

Applies to: Undergraduate respondents under 30 who received an allowance.

CATI Code: TSTAT=1 and TAGE lt 30 and N4ALWNC in (1,-9).

N4DEP03

Claimed as a dependent

Did anyone claim you as a dependent on their 2003 taxes?

- 0 = No
- 1 = Yes, parents/guardians
- 2 = Yes, another individual
- 3 = Don't know

Applies to: Respondents under 30.

CATI Code: TAGE lt 30

N4HOPE, N4DEDUCT, N4LFLNG

Claim Federal Hope scholarship

[If compdate < April 15, 2004 then]

[if TAGE >= 30 then]

When you file your 2003 taxes, will you claim any of the following federal education tax benefits?

[else if TAGE < 30 and (N4DEP03 = 1 or N4DEP03 = 3) then]

Will your parents/guardians claim any of the following federal education tax benefits when they file their 2003 taxes?

[else if TAGE < 30 and N4DEP03 = 2 then]

Earlier you said that you were claimed as a dependent by another individual. Will that person claim any of the following federal education tax benefits when they file their 2003 taxes?

[else if TAGE < 30 and (N4DEP03 = 0 or N4DEP03 = -9) then]

When you file your 2003 taxes, will you claim any of the following federal education tax benefits?

[If compdate > April 15, 2004 then]

[if TAGE >= 30 then]

When you filed your 2003 taxes, did you claim any of the following federal education tax benefits?

[else if TAGE < 30 and (N4DEP03 = 1 or N4DEP03 = 3) then]

Did your parents/guardians claim any of the following federal education tax benefits when they filed their 2003 taxes?

[else if TAGE < 30 and N4DEP03 = 2 then]

Earlier you said that you were claimed as a dependent by another individual. Did that person claim any of the following federal education tax benefits when they filed their 2003 taxes?

[else if TAGE < 30 and (N4DEP03 = 0 or N4DEP03 = -9) then]

When you filed your 2003 taxes, did you claim any of the following federal education tax benefits?

- 0 = No
- 1 = Yes
- 2 = Don't know

N4HOPE—Federal Hope scholarship tax credit

N4DEDUCT—Tax deduction for tuition

N4LFLNG—Lifetime learning tax credit

Applies to: All respondents.

N4UGLN

Amount borrowed for undergraduate loans

[If TSTAT=1]

How much have you already borrowed in student loans for your undergraduate education? (Please do not include any money borrowed from family or friends.)

[else]

How much did you borrow in student loans for your undergraduate education? (Please do not include any money borrowed from family or friends.)

Applies to: All respondents.

Recode Note: IF N4BPSELG in (1,2) and N4FEDLN=0 and N4PRVLN=0 then N4UGLN=0.

N4UGOWE

Amount owed for undergrad education

How much of that amount do you still owe?

Applies to: All respondents.

Recode Note: If N4UGLN=0 then N4UGOWE=0.

N4GRLN

Amount borrowed for graduate loan

How much did you borrow in student loans for your graduate education? (Please do not include any money borrowed from family or friends).

Applies to: Graduate respondents.

CATI Code: TSTAT=2

N4GROWE

Amount owed for graduate loan

How much of that amount do you still owe?

Applies to: Graduate respondents.

CATI Code: TSTAT=2

Recode Note: If N4GRLN=0 then N4GROWE=0.

Section C: Employment and Finances

N4NUMJOB

Number of jobs during NPSAS year

[If (N4TAASST = 0 and N4RASST = 0 and N4GASST = 0 and N4GFEL = 0 and N4TRNSHP = 0) then]

How many jobs for pay did you have while you were enrolled?

[else]

Earlier you told us about your [school job] at [NPSAS].

The next questions are about any other jobs you had while you were enrolled *during the 2003–2004 school year*.

How many other jobs for pay did you have while you were enrolled at [NPSAS] during the 2003–2004 school year?

Applies to: All respondents.

N4ONOFF

Job on or off campus

Was your job located primarily on or off campus?

(If you had more than one job, please refer to the one at which you worked the most hours when answering the next few questions.)

1 = On campus

2 = Off campus

3 = Both on and off campus

Applies to: Respondents who worked while enrolled.

CATI Code: N4NUMJOB in (gt 0, -9)

N4EMPTYP

Type of employer

In your job, did you work for...

1 = [NPSAS]

2 = A for-profit company

3 = A nonprofit organization

4 = A local, state, or federal government

5 = The military (including civilian employees of the military)

6 = Self-employed

Applies to: Respondents who worked while enrolled.

CATI Code: N4NUMJOB in (gt 0, -9)

N4RELMAJ

Job related to major

Would you say your job was related to your major or field of study at [NPSAS]?

0 = No

1 = Yes

Applies to: Respondents working on a degree, who have declared a major, and who worked while enrolled.

CATI Code: TDEGREN not = (4, 9) and N4DBLMAJ in (1, 2, -9) and N4NUMJOB in (gt 0, -9)

N4RELCRS

Job related to coursework

Would you say your job was related to your coursework at [NPSAS]?

0 = No

1 = Yes

Applies to: Respondents who worked while enrolled in classes but either had not declared a major or who were not enrolled in a degree program.

CATI Code: N4NUMJOB in (gt 0, -9) and N4DBLMAJ in (0, 3)

N4PREMP

Had job prior to enrollment at NPSAS

Did you have this job before you enrolled at [NPSAS]?

0 = No

1 = Yes

Applies to: Respondents who worked while enrolled.

CATI Code: N4NUMJOB in (gt 0, -9)

N4ERNAMT

Amount earned during school year

[Not including your [work study job/assistantship/fellowship/traineeship], how/How] much did you earn from [your job/all your jobs] you held while you were enrolled during the 2003–2004 school year? Please exclude summer earnings if you were not enrolled during the summer.

Applies to: All respondents.

Recode Note: If N4NUMJOB = 0 then N4ERNAMT=0.

N4EARNT

Time frame for school year earnings

[Not including your [work study job/assistantship/fellowship/traineeship], how/How] much did you earn from [your job/all your jobs] you held while you were enrolled during the 2003–2004 school year? Please exclude summer earnings if you were not enrolled during the summer.

1 = For the entire school year

2 = Per term/semester

3 = Per month

4 = Per week

Applies to: Respondents who worked while enrolled.

CATI Code: N4NUMJOB in (gt 0, -9)

N4EARN\$

Time frame for school year earnings other than yearly
 [If TCURENRL = 0 and (N4TAASST = 1 or N4RASST = 1 or N4GASST = 1 or N4GFEL = 1 or N4TRNSHP = 1) then]

Not including your work study/ assistantship/fellowship, how many terms/months/weeks did you work while you were enrolled during the 2003–2004 school year?

[If TCURENRL = 1 and (N4TAASST = 1 or N4RASST = 1 or N4GASST = 1 or N4GFEL = 1 or N4TRNSHP = 1) then]

Not including your work study/ assistantship/fellowship, how many terms/months/weeks will you have worked while you were enrolled during the 2003–2004 school year?

[If TCURENRL = 0 and (N4TAASST = 0 and N4RASST = 0 and N4GASST = 0 and N4GFEL = 0 and N4TRNSHP = 0) then]

How many terms/months/weeks did you work while you were enrolled during the 2003–2004 school year?

[If TCURENRL = 1 and (N4TAASST = 0 and N4RASST = 0 and N4GASST = 0 and N4GFEL = 0 and N4TRNSHP = 0) then]

How many terms/months/weeks will you have worked while you were enrolled during the 2003–2004 school year?

Applies to: All respondents.

Recode note: If N4NUMJOB = 0 then N4EARN\$=0.
 If N4EARNT = 1 then N4EARN\$=1.

N4TOTERN

Total amount earned during the school year

Derived variable

This is an internally derived variable of total amount earned during the school year. This variable was calculated based on earnings from other employment and the time frame associated with these reported earnings.

N4ERNAMT=Amount earned during school year

N4EARNT=Time frame for school year earnings

N4EARN\$=Time frame for school year earnings other than yearly

N4TOTERN=combine and convert into amount per year

N4ERNAMT and N4EARNT

If N4EARNT eq 1 then

N4TOTERN = N4ERNAMT;

else if N4EARNT gt 1 then do;

if N4ERNAMT gt 0 and N4EARN\$ gt 0 then

N4TOTERN = N4ERNAMT * N4EARN\$;

else if N4ERNAMT in (-9,-6,-7) then

N4TOTERN = N4ERNAMT;

else if N4EARN\$ in (-9,-6,-7) then

N4TOTERN = N4EARN\$;

end;

else if N4EARNT in (-3,-4,-9,-7,-6,-1) then

N4TOTERN = N4EARNT;

Applies to: All respondents.

Recode note: If N4NUMJOB = 0 then N4TOTERN=0.

N4HOURS

Hours worked weekly during the school year

[Not including your [work study job/assistantship/ fellowship/traineeship, how/How many hours did you work per week (on average) while you were enrolled during the 2003–2004 school year?

Please exclude summer hours if you were not enrolled during the summer.

Applies to: All respondents.

Recode note: If N4NUMJOB=0 then N4HOURS=0.

N4WKSWK

Weeks worked while enrolled

Would you say you worked during all the weeks you were enrolled, most of them, half of them, or less than half?

1 = All

2 = Most

3 = Half

4 = Less than half

Applies to: Respondents who worked while enrolled and did not provide weekly earnings, or respondents who worked while enrolled and provided a timeframe for weekly earnings less than or equal to 0 or greater than 52.

CATI Code: (N4NUMJOB in (gt 0, -9) and N4EARNT not = 4) or (N4NUMJOB in (gt 0, -9) and N4EARNT=4 and (N4EARN\$ in (0, -9) or N4EARN\$ gt 52)

N4ENRWRK

Working student/employee taking classes

While you were enrolled at [NPSAS] and working, would you say you were primarily...

1 = A student working to meet expenses

2 = An employee who decided to enroll in school

Applies to: Respondents who worked while enrolled.

CATI Code: N4NUMJOB in (gt 0, -9)

N4WRKRSN

Main reason for working

What was your main reason for working while you were enrolled? Was it to...

1 = Earn spending money

2 = Pay tuition, fees, or living expenses or

3 = Gain job experience

4 = Other

Applies to: Respondents who were primarily students who worked.

CATI Code: N4NUMJOB in (gt 0, -9) and N4ENRWRK in (1, -9)

N4EXPWRK

Parents expect you to have a job

[If TCURENRL=1]

Do your parents/guardians expect you to have a job for pay while you are enrolled?

[else]

Did your parents/guardians expect you to have a job for pay while you were enrolled during the 2003–2004 school year?

0 = No

1 = Yes

Applies to: Respondents who were primarily students who worked while enrolled and who were undergraduates under age 30 with parents/guardians.

CATI Code: N4NUMJOB in (gt 0, -9) and N4ENRWRK in (1, -9) and TSTAT=1 and TAGE lt 30 and N4PARPF not =1

N4AFFORD

Afford school without working

Could you have afforded to attend school if you had not worked?

0 = No

1 = Yes

Applies to: Respondents who were primarily students who worked.

CATI Code: N4NUMJOB in (gt 0, -9) and N4ENRWRK in (1, -9)

N4HLPCLS, N4HLPCAR, N4RSTRCT, N4LIMCLS, N4LIMSCH, N4LIMLIB, N4JOBSCX

Effect of job

Did having a job while you were going to school... (Please check all that apply.)

0 = No

1 = Yes

N4HLPCLS—Help you with class work

N4HLPCAR—Help you with career preparation

N4RSTRCT—Restrict your choice of classes

N4LIMCLS—Limit the number of classes you could take

N4LIMSCH—Limit the class schedule you could have

N4LIMLIB—Limit your access to campus facilities or services

N4JOBSCX—None of the above

Applies to: Respondents who were primarily students who worked.

CATI Code: N4NUMJOB in (gt 0, -9) and N4ENRWRK in (1, -9)

N4EFFGRD

Effect of job on grades

Would you say that working while you were going to school had a positive effect, a negative effect, or no effect on the grades you earned?

1 = Positive effect

2 = Negative effect

3 = No effect

Applies to: Respondents who were primarily students who worked.

CATI Code: N4NUMJOB in (gt 0, -9) and N4ENRWRK in (1, -9)

N4CLSOUT, N4MODSCH, N4TKDIS, N4NOCOMB

Combine school and work

How did you combine school and work?

(Please check all that apply.)

0 = No

1 = Yes

N4CLSOUT—Took classes outside of work time

N4MODSCH—Modified work schedule

N4TKDIS—Took distance education courses

N4NOCOMB—None of the above

Applies to: Employees who decided to enroll in school.

CATI Code: N4NUMJOB in (gt 0, -9) and N4ENRWRK=2

N4SUMMR

Work during summer 2003

Did you work for pay during the summer of 2003?

0 = No

1 = Yes

Applies to: Undergraduate respondents under 30.

CATI Code: TAGE lt 30 and TSTAT=1

N4SMRSAV

Amount saved from summer earnings

In dollars, about how much of your summer earnings would you estimate you saved for the 2003–2004 school year?

Applies to: Undergraduate respondents under 30 who worked during the Summer of 2003.

CATI Code: TAGE lt 30 and TSTAT=1 and N4SUMMR in (1, -9)

N4INCOM

Earnings in 2003

[If N4WAAMT > 0 or N4TASSM > 0 or N4RASSM > 0 or N4GFELM > 0 or N4TRNSM > 0 or N4GASSM > 0 then]

Earlier, you told us about the money you earned while you were enrolled. Now we need to find out about your income for the calendar year.

What was your income from all sources (including income from work, investment income, alimony, etc.) prior to taxes and deductions in 2003? [IF N4MARR=(2-5)(Please exclude spouse's income.)]

[else]

What was your income from all sources (including income from work, investment income, alimony, etc.) prior to taxes and deductions in calendar year 2003? [IF N4MARR=(2-5)(Please exclude spouse's income.)]

- 1 = No income
- 2 = Less than \$1,000
- 3 = \$1,000-\$2,499
- 4 = \$2,500-\$4,999
- 5 = \$5,000-\$9,999
- 6 = \$10,000-\$14,999
- 7 = \$15,000-\$19,999
- 8 = \$20,000-\$29,999
- 9 = \$30,000-\$49,999
- 10 = \$50,000 and above

Applies to: All respondents.

N4INCSP

Spouse's earnings in 2003

How much would you estimate your spouse earned from all sources prior to taxes and deductions in 2003?

- 1 = No income
- 2 = Less than \$1,000
- 3 = \$1,000-\$2,499
- 4 = \$2,500-\$4,999
- 5 = \$5,000-\$9,999
- 6 = \$10,000-\$14,999
- 7 = \$15,000-\$19,999
- 8 = \$20,000-\$29,999
- 9 = \$30,000-\$49,999
- 10 = \$50,000 and above

Applies to: Married respondents.

CATI Code: N4MARR in (2, -9)

N4UNTAX

Received untaxed benefits in 2003

[If N4MARR = 2 then]

Since July 1, 2003, have you or your spouse received any untaxed income or benefits, such as TANF (AFDC), Social Security, worker's compensation, disability payments, or child support?

[else]

Since July 1, 2003, have you received any untaxed income or benefits, such as TANF (AFDC), Social Security, worker's compensation, disability payments, or child support?

0 = No

1 = Yes

Applies to: All respondents.

N4TANF, N4SOCSEC, N4WRKCOMP, N4DISAB, N4STMP, N4CHILD, N4TAXTYX

Type of untaxed benefits

Since July 2003, which of the following did you receive? (Please check all that apply.)

0 = No

1 = Yes

N4TANF—TANF (AFDC)

N4SOCSEC—Social Security benefits

N4WRKCOMP—Worker's compensation

N4DISAB—Disability payments

N4STMP—Food stamps

N4CHILD—Child support

N4TAXTYX—None of the above

Applies to: Respondents who received untaxed benefits.

CATI Code: N4UNTAX in (1, -9)

N4HOME

Own home

Do you own your home or pay a mortgage on a home?

0 = No

1 = Yes

Applies to: Respondents age 24 and over who lived off campus.

CATI Code: TAGE in (ge 24, -9) and N4SCHRES in (3, -9, -3, -8)

N4INVT

Own investments, business or farm over \$10,000

Do you own a business, farm, or have other investments worth more than \$10,000 combined?

0 = No

1 = Yes

Applies to: Respondents 24 or older.

CATI Code: TAGE in (gt 24, -9)

N4PARNC

Parents income in 2003

What was your parents'/guardians' income in 2003?

- 1 = Under \$30,000
- 2 = \$30,000 to \$59,999
- 3 = \$60,000 to \$89,999
- 4 = \$90,000 and above
- 5 = Don't know

Applies to: Undergraduate respondents who were under 30 and have parents/guardians.

CATI Code: TSTAT=1 and TAGE lt 30 and N4PARPF in (0, -9)

N4PARHOM

Parents own home

Do your parents/guardians own their home or pay a mortgage on a home?

- 0 = No
- 1 = Yes

Applies to: Undergraduate respondents who were under 30 and have parents/guardians.

CATI Code: TSTAT=1 and TAGE lt 30 and N4PARPF in (0, -9)

N4PARNV

Parents own other real estate

Do your parents/guardians own a business, farm, or have other investments worth more than \$10,000 combined?

- 0 = No
- 1 = Yes

Applies to: Undergraduate respondents who were under 30 and have parents/guardians.

CATI Code: TSTAT=1 and TAGE lt 30 and N4PARPF in (0, -9)

N4NUMCRD

Number of credit cards in own name

How many credit cards do you have in your own name that are billed to you?

Applies to: Undergraduate respondents who were under 30.

CATI Code: TSTAT=1 and TAGE lt 30

N4CRDTUI

Use credit to pay for tuition

[If N4NUMCRD=1 then]

Did you use your credit card to pay any portion of your 2003–2004 tuition?

[else]

Did you use your credit cards to pay any portion of your 2003–2004 tuition?

0 = No

1 = Yes

Applies to: Undergraduate respondents under 30 with credit cards.

CATI Code: TSTAT=1 and TAGE lt 30 and N4NUMCRD in (gt 0, -9)

N4PAYOFF

Payoff or carry credit balance

[If N4NUMCRD=1]

Do you usually pay off your credit card balance each month, or carry the balance over from month to month? [else]

Do you usually pay off your credit card balances each month, or carry balances over from month to month?

- 1 = Payoff balances
- 2 = Carry balances

Applies to: Undergraduate respondents under 30 with credit cards.

CATI Code: TSTAT=1 and TAGE lt 30 and N4NUMCRD in (gt 0, -9)

N4CRDBAL

Balance due on all credit cards

What was the balance on your credit card according to your last statement?

Applies to: Undergraduate respondents under 30 with credit cards.

CATI Code: TSTAT=1 and TAGE lt 30 and N4NUMCRD gt 0

Recode note: If N4PAYOFF = 1 then N4CRDBAL in (0, -9)

N4CRDPAR

Parents help pay credit bills

[If N4NUMCRD=1]

Do your parents/guardians help you pay your credit card bill?

[else]

Do your parents/guardians help you pay your credit card bills?

- 0 = No
- 1 = Yes

Applies to: Undergraduate respondents under 30 who have parents/guardians and who have credit cards.

CATI Code: TSTAT=1 and TAGE lt 30 and N4PARPF in (0, -9) and N4NUMCRD in (gt 0, -9)

Section D: Education Experiences

N4REMEVR*Ever taken remedial courses*

Since you completed high school, have you taken remedial or developmental courses to improve your basic skills, such as in mathematics, reading, writing, or study skills?

0 = No

1 = Yes

Applies to: Undergraduate respondents.

CATI Code: TSTAT=1

N4REMSY*Took remedial courses this school year*

Did you take any remedial or developmental courses during the 2003–2004 school year?

0 = No

1 = Yes

Applies to: Undergraduate respondents in their first or second year who have taken remedial classes at some point.

CATI Code: TSTAT=1 and N4REMEVR in (1, -9) and N4UGYR in (1, 2, -3)

N4READ, N4WRITE, N4MATH, N4STUDY, N4ENGLIS*Took remedial course*

In what area(s) did you take remedial or developmental courses?

(Please check all that apply.)

0 = No

1 = Yes

N4READ—Reading**N4WRITE**—Writing**N4MATH**—Mathematics**N4STUDY**—Study skills**N4ENGLIS**—English language skills*Applies to: Undergraduate respondents in their first or second year who have taken remedial classes in the 2003–2004 school year.*

CATI Code: TSTAT=1 and N4REMEVR in (1, -9) and N4UGYR in 2 and N4REMSY in (1,-9)

N4ACTSAT*Took SAT or ACT college exams*

Did you take the SAT or ACT college entrance exam?

0 = No

1 = Yes, SAT

2 = Yes, ACT

3 = Yes, both the SAT and ACT

Applies to: BPS eligible respondents.

CATI Code: N4BPSELG in (1,2).

N4FRQGRA, N4FRQLEC, N4FRQESS, N4FRQWRI*Undergraduate experiences*

During the 2003–2004 school year at [NPSAS], please indicate whether you did the following never, sometimes or often?

Attend classes taught by graduate students

1 = Never

2 = Sometimes

3 = Often

N4FRQGRA—Attend classes taught by graduate students**N4FRQLEC**—Attend large lecture classes**N4FRQESS**—Write essay answers as part of exams**N4FRQWRI**—Write papers for courses*Applies to: BPS eligible respondents who were enrolled in a 4-year institution.*

CATI Code: N4BPSELG in (1,2) and Y_NPLEVL=1.

N4ADVSR, N4ACDMTG, N4SOCIAL, N4STDYGP, N4CLUBS, N4ARTS, N4VARSP*Undergraduate experiences - 2*

During the 2003–2004 school year at [NPSAS], please indicate whether you did the following never, sometimes or often.

1 = Never

2 = Sometimes

3 = Often

N4ADVSR—Talk with faculty about academic matters, outside of class time (including e-mail)**N4ACDMTG**—Meet with advisor concerning academic plans**N4SOCIAL**—Have informal or social contacts with faculty members outside of classrooms and offices**N4STDYGP**—Attend study groups outside of the classroom**N4CLUBS**—Participate in school clubs**N4ARTS**—Attend music, choir, drama, or other fine arts activities**N4VARSP**—Participate in varsity, intramural, or club sports*Applies to: BPS eligible respondents except those who attended a less-than-2-year institution.*

CATI Code: N4BPSELG in (1,2) and Y_NPLEVL not = 3.

N4DSTED

Distance education: took courses

During the 2003–2004 school year, did you take any courses for credit that were distance education courses? (Distance education courses are primarily delivered off campus using live, interactive TV or audio, pre-recorded TV or video, CD-ROM, or a computer-based system such as the Internet. Distance education does not include correspondence courses.)

- 0 = No
- 1 = Yes

Applies to: All respondents.

N4ENTPGM

Distance education: entire program

[If TCURENRL=1]

Is your entire program taught through distance education?

[else]

Was your entire program taught through distance education?

- 0 = No
- 1 = Yes

Applies to: Respondents who took distance education course(s) in the 2003–2004 school year.

CATI Code: N4DSTED in (1,-9)

N4NMDSSED

Distance education: number of courses

During the 2003–2004 school year, how many distance education courses did you take?

Applies to: All respondents.

Recode Note: If N4DSTED=0 then N4NMDSSED=0.

N4DSLOC

Distance education: location of course(s)

Was this course/Were these courses offered through [NPSAS], somewhere else, or both?

- 1 = NPSAS
- 2 = Somewhere else
- 3 = Both

Applies to: Respondents who took distance education course(s) in the 2003–2004 school year.

CATI Code: N4DSTED in (1,-9)

N4LIVE, N4RECORD, N4NET

Distance education

Did the distance education classes you took during the 2003–2004 school year use any of the following?

(Please check all that apply.)

- 0 = No
- 1 = Yes

- N4LIVE**—Live, interactive TV or audio
- N4RECORD**—Pre-recorded TV or audio
- N4NET**—The Internet

Applies to: Respondents who took distance education course(s) in the 2003–2004 school year.

CATI Code: N4DSTED in (1,-9)

N4CMPSAT

Distance education: satisfaction

Compared to other courses you have taken, are you more satisfied or less satisfied with the quality of instruction you received in your distance education courses?

- 1 = More satisfied with the distance education courses
- 2 = Liked both the same
- 3 = Less satisfied with the distance education courses

Applies to: Respondents who took distance education course(s) in the 2003–2004 school year.

CATI Code: N4DSTED in (1,-9)

N4GRDRAT, N4SAFETY, N4JOBTRAT, N4CONSN

School considerations

Before choosing [NPSAS], did you get information about any of the following?

(Please check all that apply.)

- 0 = No
- 1 = Yes

- N4GRDRAT**—The graduation rate
- N4SAFET**—Campus safety
- N4JOBTRAT**—The job placement rate
- N4CONSN**—None of the above

Applies to: Undergraduate respondents.

CATI Code: TSTAT=1

N4PUB

Selecting college from published list

Before selecting a college, did you consult a published list of college rankings?

- 0 = No
- 1 = Yes

Applies to: BPS eligible respondents.

CATI Code: N4BPSELG in (1, 2)

N4NUMAPP

Number of colleges applied to other than NPSAS

Other than [NPSAS], how many colleges, universities, and trade schools did you apply to?

Applies to: BPS eligible respondents.

CATI Code: N4BPSELG in (1, 2)

N4NUMACC

Number colleges of accepted to other than NPSAS

How many of those schools accepted you?

Applies to: BPS eligible respondents who applied to more than one institution.

CATI Code: N4BPSELG in (1, 2) and N4NUMAPP=-9 or gt 1

N4FIRST*NPSAS was first choice*

Was [NPSAS] your first choice?

- 0 = No
1 = Yes

Applies to: BPS eligible respondents except those who only applied to the NPSAS institution.

CATI Code: N4BPSELG in (1, 2) and N4NUMAPP in (-9 or gt 1)

N4NOFIRS*Accepted at first choice school*

Were you accepted at your first choice of schools?

- 0 = No
1 = Yes

Applies to: BPS eligible respondents who were admitted to fewer schools than they applied and indicated that the NPSAS school was not their first choice.

CATI Code: N4BPSELG in (1, 2) and N4NUMAPP not = 1 and N4FIRST=0 and (N4NUMACC le N4NUMAPP)

N4NOWHB–N4NOWHE, N4NOWHX*Did not attend first choice*

Why did you not attend the school that was your first choice?

(Please check all that apply.)

- 0 = No
1 = Yes

N4NOWHB—Too expensive**N4NOWHC**—Did not receive enough financial aid**N4NOWHD**—Location**N4NOWHE**—Personal reasons**N4NOWHX**—Other*Applies to: BPS eligible respondents for whom NPSAS was not their first choice, but were accepted at their first choice school and did not go there.*

CATI Code: N4BPSELG in (1, 2) and N4FIRST in (0, -9) and (N4NOFIRS in (1, -9, -3) or (N4NUMACC=N4NUMAPP))

N4ATTDA–N4ATTDE, N4ATTDX*Reason chose school*

Why did you decide to attend [NPSAS]?

(Please check all that apply.)

- 0 = No
1 = Yes

N4ATTDA—Program of study**N4ATTDB**—Reputation (of program, faculty, or school)**N4ATTDC**—Cost (affordability or other financial reasons)**N4ATTDD**—Location**N4ATTDE**—Personal or family reasons**N4ATTDX**—Other*Applies to: BPS eligible respondents.*

CATI Code: N4BPSELG in (1, 2)

N4COLLCR*During high school earned college credit*

While you were in high school, did you take any courses at a college or university for which you earned college credit?

- 0 = No
1 = Yes

Applies to: BPS eligible respondents.

CATI Code: N4BPSELG in (1, 2)

N4AP*Advanced placement credit*

When you first enrolled in college, did you have any advanced placement (AP) credits that were accepted by [NPSAS]?

- 0 = No
1 = Yes

Applies to: BPS eligible respondents.

CATI Code: N4BPSELG in (1, 2)

N4ENSOPH*Credit to enter as sophomore*

Did you earn enough credits to enter college as a sophomore?

- 0 = No
1 = Yes

Applies to: BPS eligible respondents who earned college credit before enrolling in NPSAS institution or who earned credit through AP classes.

CATI Code: N4BPSELG in (1, 2) and (N4AP in (1, -9) or N4COLLCR in (1, -9))

N4MATHA–N4MATHF*High school math*

Which of the following math courses did you complete while in high school?

(Please check all that apply.)

- 0 = No
1 = Yes

N4MATHA—Algebra 2**N4MATHB**—Algebra III/Trigonometry**N4MATHC**—Pre-calculus/analytic geometry**N4MATHD**—Calculus**N4MATHE**—Statistics**N4MATHF**—None of the above*Applies to: BPS eligible respondents.*

CATI Code: N4BPSELG in (1, 2)

N4POSTA–N4POSTE, N4POSTX

Post high school

What kinds of things did you do before you started your postsecondary education (after high school)? (Please check all that apply.)

0 = No

1 = Yes

N4POSTA—Worked

N4POSTB—Served in the military

N4POSTC—Got married or raised a family

N4POSTD—Cared for health of self or others

N4POSTE—Traveled or pursued other interests

N4POSTX—Other

Applies to: BPS eligible respondents who had at least a one year delay after high school and before enrolling at their first postsecondary institution.

CATI Code: N4BPSELG in (1, 2) and TDELAY=1

N4DROPA–N4DROPG, N4DROPX

Drop

You indicated earlier that you are no longer enrolled at [NPSAS].

Why did you decide to leave [NPSAS]?

(Please check all that apply.)

0 = No

1 = Yes

N4DROPA—Academic problems

N4DROPB—Classes not available/scheduling not convenient

N4DROPC—Dissatisfaction with program/school/campus/faculty

N4DROPD—Financial reasons

N4DROPE—Family responsibilities

N4DROPF—Personal reasons

N4DROPG—Finished taking desired classes

N4DROPX—Other

Applies to: BPS eligible respondents who were not currently enrolled, left NPSAS before the term ended, did not transfer away from NPSAS, did not plan to transfer, and did not plan on being enrolled in 2004-2005.

CATI Code: N4BPSELG in (1, 2) and TCURENRL=0 and N4DRTPM not =1 and N4TRNAWY not =1 and N4TRNPLN not =1 and N4ENRPLN not =1.

N4TRNRA– N4TRNRH, N4TRNRX

Transfer: academic problems

[If N4TRNPLN=1]

Earlier you indicated that you plan to transfer out of NPSAS.

What are your reasons for deciding to leave?

[if N4TRNSFR=1]

Earlier you indicated that you transferred to NPSAS.

What were your reasons for deciding to leave your first school?

[else if TRNAWY=1]

Earlier you indicated that you transferred out of NPSAS.

What were your reasons for deciding to leave?

(Please check all that apply.)

0 = No

1 = Yes

N4TRNRA—Academic problems

N4TRNRB—Classes not available /scheduling not convenient

N4TRNRC—Dissatisfaction with program/school/campus/faculty

N4TRNRD—Pursue Bachelor’s degree at a 4-year college

N4TRNRE—Financial reasons

N4TRNRF—Family responsibilities

N4TRNRG—Personal reasons

N4TRNRH—Finished taking desired classes

N4TRNRX—Other

Applies to: BPS eligible respondents who planned to transfer or did transfer either out of or to the NPSAS institution.

CATI Code: N4BPSELG in (1, 2) and (N4TRNPLN in (1, -9, -3) or N4TRNAWY in (1, -9, -3) or N4TRNSFR in (1, -9))

N4PLNTCH

Plan on teaching K-12

Do you plan on becoming a teacher at the K-12 (Kindergarten-grade 12) level?

1 = Definitely Yes

2 = Probably Yes

3 = Probably Not

4 = Definitely Not

Applies to: BPS eligible respondents.

CATI Code: N4BPSELG in (1, 2)

**N4PLINF, N4WLOFF, N4STEADY,
N4LEADR, N4CLSFAM, N4AREA,
N4LEISUR, N4KIDS**

Please indicate which of the following personal goals are very important to you.

(Please check all that apply.)

0 = No

1 = Yes

N4PLINF—Influencing the political structure

N4WLOFF—Being very well-off financially

N4STEADY—Being able to find steady work

N4LEADR—Being a leader in the community

N4CLSFAM—Living close to parents and relatives

N4AREA—Getting away from the area where you
grew up

N4LEISUR—Having leisure time to enjoy interests

N4KIDS—Having children

Applies to: BPS eligible respondents.

CATI Code: N4BPSELG in (1, 2)

Section E: Background

N4STATE

State of legal residence

What is your state of legal residence?

- | | |
|-----------------------------|------------------------------|
| 1 = Alabama | 31 = New Jersey |
| 2 = Alaska | 32 = New Mexico |
| 3 = Arizona | 33 = New York |
| 4 = Arkansas | 34 = North Carolina |
| 5 = California | 35 = North Dakota |
| 6 = Colorado | 36 = Ohio |
| 7 = Connecticut | 37 = Oklahoma |
| 8 = Delaware | 38 = Oregon |
| 9 = District of
Columbia | 39 = Pennsylvania |
| 10 = Florida | 40 = Rhode Island |
| 11 = Georgia | 41 = South Carolina |
| 12 = Hawaii | 42 = South Dakota |
| 13 = Idaho | 43 = Tennessee |
| 14 = Illinois | 44 = Texas |
| 15 = Indiana | 45 = Utah |
| 16 = Iowa | 46 = Vermont |
| 17 = Kansas | 47 = Virginia |
| 18 = Kentucky | 48 = Washington |
| 19 = Louisiana | 49 = West Virginia |
| 20 = Maine | 50 = Wisconsin |
| 21 = Maryland | 51 = Wyoming |
| 22 = Massachusetts | 52 = Puerto Rico |
| 23 = Michigan | 54 = American Samoa |
| 24 = Minnesota | 55 = Guam |
| 25 = Mississippi | 56 = Fed State
Micronesia |
| 26 = Missouri | 57 = Marshall Islands |
| 27 = Montana | 58 = Northern Mariana Isl |
| 28 = Nebraska | 59 = Palau |
| 29 = Nevada | 60 = Virgin Islands |
| 30 = New Hampshire | 63 = FOREIGN
COUNTRY |

Applies to: All respondents.

N4DISTNC

Distance from NPSAS school to home

How far (in miles) is [NPSAS] from your permanent home?

Applies to: All respondents.

N4HISP

Respondent of Hispanic/Latino origin

Are you of either Hispanic or Latino origin?

0 = No

1 = Yes

Applies to: All respondents.

N4HISA–N4HISD

Hispanic type

Are you of...

(Please check all that apply.)

0 = No

1 = Yes

N4HISA—Cuban descent

N4HISB—Mexican, Mexican-American, or Chicano descent

N4HISC—Puerto Rican descent

N4HISD—Some other Spanish, Hispanic or Latino origin

Applies to: Respondents of Hispanic or Latino origin.

CATI Code: N4HISP in (1, -9)

N4RACEA–N4RACEE, N4RACEX

What is your race?

Check all that apply.

0 = No

1 = Yes

N4RACEA—White

N4RACEB—Black or African American

N4RACEC—Asian

N4RACED—American Indian or Alaska Native

N4RACEE—Native Hawaiian or Other Pacific Islander

N4RACEX—Other

Applies to: All respondents.

N4TRIBE

State/federally recognized tribe

Are you enrolled in a state- or federally-recognized tribe?

0 = No

1 = Yes

Applies to: Respondents who were American Indian or Alaska Native.

CATI Code: N4RACED in (1, -9)

N4LANG

English as primary language

When you were growing up, was English the language you spoke most often at home?

0 = No

1 = Yes

Applies to: All respondents.

N4DEPS*Has dependent children*

[If TCURENRL=1 and N4MARR=2]

Do you or your spouse have any children that you support financially?

[If TCURENRL=1 and N4MARR not = 2]

Do you have any children that you support financially?

[If TCURENRL=0 and N4MARR=2]

While you were enrolled in the 2003–2004 school year, did you or your spouse have any children that you supported financially?

[If TCURENRL=0 and N4MARR not = 2]

While you were enrolled in the 2003–2004 school year, did you have any children that you supported financially?

0 = No

1 = Yes

*Applies to: All respondents.***N4DEP2***Number of dependent children*

How many?

Applies to: All respondents.

Recode note: If N4DEPS = 0 then N4DEP2=0.

N4DAGE01–N4DAGE10*Age of dependent child*

[If N4DEP2 = 1 then]

How old is your child?

[else]

What are the ages of your children?

0–24 (corresponds to age of child)

N4DAGE01—Age of child 1**N4DAGE02**—Age of child 2**N4DAGE03**—Age of child 3**N4DAGE04**—Age of child 4**N4DAGE05**—Age of child 5**N4DAGE06**—Age of child 6**N4DAGE07**—Age of child 7**N4DAGE08**—Age of child 8**N4DAGE09**—Age of child 9**N4DAGE10**—Age of child 10*Applies to: Respondents with at least one dependent child.*

CATI Code: N4DEP2 in (ge 1, -9)

DEPAGE01– DEPAGE 10*Child age less than 12*

Derived variable

This is a dichotomous variable used for analysis purposes which indicates if a dependent is less than 12 or 12 and older.

0 = Less than one year

1 = Less than 12

2 = 12 or older

DEPAGE01—Child 1**DEPAGE02**—Child 2**DEPAGE03**—Child 3**DEPAGE04**—Child 4**DEPAGE05**—Child 5**DEPAGE06**—Child 6**DEPAGE07**—Child 7**DEPAGE08**—Child 8**DEPAGE09**—Child 9**DEPAGE10**—Child 10*Applies to: Respondents with at least one dependent child.*

CATI Code: N4DEP2 in (ge 1, -9)

N4CARE1*Number of children in daycare*

How many of your dependent children are in daycare?

Observed range: 1 - 10

Applies to: Respondents with dependents under 12.

CATI Code: N4DEPS=1 and N4DEP2 gt 0 and (N4DAGE01<12 or N4DAGE02<12 or N4DAGE03<12 or N4DAGE04<12 or N4DAGE05<12 or N4DAGE06<12 or N4DAGE07<12 or N4DAGE08<12 or N4DAGE09<12 or N4DAGE10<12).

N4DAYCST*Monthly daycare costs*

During the most recent term you were enrolled in the 2003–2004 school year, how much (on average) did you pay each month for childcare?

Applies to: Respondents who had dependents enrolled in daycare during the 2003–2004 school year.

CATI Code: N4CARE1 in (ge 0, -9)

N4OTDEPS

Supporting anyone else

[If N4MARR = 2 or N4DEP2 >= 1 then]

Other than

[if N4MARR = 2 then]

your spouse

[if N4MARR = 2 then]

[if N4DEP2 = 1 then]

and your child

[else if N4DEP2 > 1 then]

and your children

[else]

[if N4DEP2 = 1 then]

your child

[else if N4DEP2 > 1 then]

your children

[if TCURENRL = 1 and (N4MARR = 2 or N4DEP2 >= 1) then], have you been supporting anyone else while enrolled in the 2003–2004 school year?

[else if TCURENRL <> 1 and (N4MARR = 2 or N4DEP2 >= 1) then], were you supporting anyone else while enrolled in the 2003–2004 school year?

[else if TCURENRL = 1 and N4MARR <> 2 and N4DEP2 < 1 then]

Have you been supporting anyone else while enrolled in the 2003–2004 school year?

[else if TCURENRL <> 1 and N4MARR <> 2 and N4DEP2 < 1 then]

Were you supporting anyone else while enrolled in the 2003–2004 school year?

0 = No

1 = Yes

Applies to: All respondents.

N4PARST

Parents marital status

What is your parents' marital status?

(See help text for additional information)

1 = Married/remarried

2 = Single

3 = Divorced/separated

4 = Widowed

Applies to: Undergraduates under 30 with parent/guardians.

CATI Code: TSTAT=1 and TAGE in (lt 30, -9) and N4PARPF in (ne 1, -9)

N4PRHSD

Number of people supported by parents

[If TCURENRL=1]

Not including yourself, how many people have your parents/guardians been supporting financially during the 2003–2004 school year?

[else]

Not including yourself, how many people did your parents/guardians support financially during the 2003–2004 school year?

Applies to: Undergraduates under 30 with parent/guardians.

CATI Code: TSTAT=1 and TAGE in (lt 30, -9) and N4PARPF in (ne 1, -9)

N4DPNUM

Number of other dependents in college

Not including yourself, how many of those people were enrolled in college or trade school during 2003–2004 school year?

Observed range: 1 - 10

Applies to: Undergraduates under 30 with parent/guardians.

CATI Code: TSTAT=1 and TAGE in (lt 30, -9) and N4PARPF in (ne 1, -9)

Recode note: If N4PRHSD = 0 then N4DPNUM=0.

N4SIBCOL

Siblings in college

Do you have any brothers or sisters in college now?

0 = No

1 = Yes

Applies to: Undergraduates under age 30.

CATI Code: TSTAT=1 and TAGE in (lt 30, -9)

N4SIBCL

Siblings in college before respondent

Did any of your brothers and sisters go to college before you did?

0 = No

1 = Yes

Applies to: Undergraduates under age 30.

CATI Code: TSTAT=1 and TAGE in (lt 30, -9)

N4PRCOL

Parents taking college courses in 2003-2004

Were your parents/guardians taking any courses at a postsecondary institution (college, university, or trade school) during the 2003–2004 school year?

0 = No

1 = Yes, full-time

2 = Yes, part-time

Applies to: Undergraduates under 30 with parent/guardians.

CATI Code: TSTAT=1 and TAGE in (lt 30, -9) and N4PARPF in (ne 1, -9)

N4SPCOL*Spouse in college*

Did your spouse attend college or graduate school during the 2003–2004 school year?

- 0 = No
- 1 = Yes, full-time
- 2 = Yes, part-time

Applies to: Married respondents.

CATI Code: N4MARR in (2, -9)

N4KIDCOL*Dependent children in college*

How many of your children were in college during the 2003–2004 school year?

Applies to: Respondents with dependent children over 16.

CATI Code: N4DAGE01 in (gt 16, -9) or N4DAGE02 in (gt 16, -9) or N4DAGE03 in (gt 16, -9) or N4DAGE04 in (gt 16, -9) or N4DAGE05 in (gt 16, -9) or N4DAGE06 in (gt 16, -9) or N4DAGE07 in (gt 16, -9) or N4DAGE08 in (gt 16, -9) or N4DAGE09 in (gt 16, -9) or N4DAGE10 in (gt 16, -9)

N4DADED*Father's education*

What is the highest level of education your father completed?

- 1 = Did not complete high school
- 2 = High school diploma or equivalent
- 3 = Vocational/technical training
- 4 = Less than 2 years of college
- 5 = Associate's degree
- 6 = 2 or more years of college but no degree
- 7 = Bachelor's degree
- 8 = Master's degree or equivalent
- 9 = Professional degree (only includes the following degree programs: chiropractic, dentistry, law, medicine, optometry, osteopathic medicine, pharmacy, podiatry, divinity/theology, or veterinary medicine)
- 10 = Doctoral degree (PhD, EdD, etc) or equivalent
- 11 = Don't know

Applies to: All respondents.

N4MOMED*Mother's education*

What is the highest level of education your mother completed?

- 1 = Did not complete high school
- 2 = High school diploma or equivalent
- 3 = Vocational/technical training
- 4 = Less than 2 years of college
- 5 = Associate's degree
- 6 = 2 or more years of college but no degree
- 7 = Bachelor's degree

8 = Master's degree or equivalent

9 = Professional degree (only includes the following degree programs: chiropractic, dentistry, law, medicine, optometry, osteopathic medicine, pharmacy, podiatry, divinity/theology, or veterinary medicine)

10 = Doctoral Degree (PhD, EdD, etc) or equivalent

11 = Don't know

Applies to: All respondents.

N4USBORN*Respondent born in the U.S.*

Were you born in the United States?

- 0 = No
- 1 = Yes

Applies to: All respondents.

N4PARUS*Parents born in the U.S.*

Were your parents born in the United States?

- 0 = No
- 1 = Yes, one parent
- 2 = Yes, both parents

Applies to: All respondents.

N4CITZN*Citizenship status*

Are you a U.S. citizen?

- 1 = Yes
- 2 = No - Resident alien, permanent resident, or other eligible non-citizen; hold a temporary resident's card or other eligible non-citizen temporary resident's card
- 3 = No - Student visa, in the country on an F1 or F2 visa, or on a J1 or J2 exchange visitor visa

Applies to: All respondents.

Recode note: If N4USBORN=1 then N4CITZN=1.

N4SCHUS*Ever attended elementary or secondary school outside the U.S.*

Did you ever attend elementary or secondary school outside of the United States?

- 0 = No
- 1 = Yes

Applies to: All respondents.

Recode note: If N4DIPL=4 or N4HSTYP=3 or Y_NPSTAT=52 then N4SCHUS=1.

N4VOTE

Registered to vote

Are you registered to vote in U.S. elections?

- 0 = No
- 1 = Yes

Applies to: Respondents who were at least 18 years of age, and were US citizens.

CATI Code: TAGE in (ge 18, -9) and N4CITZN in (1, -9)

N4EVRVT

Ever vote

Have you ever voted in any national, state, or local election?

- 0 = No
- 1 = Yes

Applies to: Respondents who were at least 18 years of age, and were US citizens.

CATI Code: TAGE in (ge 18, -9) and N4CITZN in (1, -9)

N4MILA–N4MILC, N4MILN

Military status: veteran

Are you a veteran of the U.S. Armed Forces, or are you currently serving in the Armed Forces either on active duty or in the reserves?

(Please check all that apply.)

N4MILA—Veteran

- 0 = No
- 1 = Veteran

N4MILB—Active duty

- 0 = No
- 1 = Active duty

N4MILC—Reserves

- 0 = No
- 1 = Reserves

N4MILN—None of the above

- 0 = No
- 1 = None of the above

Applies to: All respondents.

N4COMSRV

Community service/volunteer in last year

Did you perform any community service or volunteer work during the past year?

Please exclude charitable donations (such as food, clothing, money, etc.), paid community service, and court-ordered service.

- 0 = No
- 1 = Yes

Applies to: All respondents.

N4VLTA–N4VLTG, N4VLTX

Volunteer

What type of community service or volunteer work did you perform?

(Please check all that apply.)

- 0 = No
- 1 = Yes

N4VLTA—Tutoring, other education-related work with kids

N4VLTB—Other work with kids (coaching, sports, Big Brother/Big Sister etc.)

N4VLTC—Fundraising (political and non-political)

N4VLTD—Homeless shelter/Soup kitchen

N4VLTE—Neighborhood improvement/clean-up/Habitat for Humanity

N4VLTF—Health services/hospital, nursing home, group home

N4VLTG—Service to the church

N4VLTX—Other

Applies to: Respondents who volunteered in the past year.

CATI Code: N4COMSRV in (1, -9)

N4VLHRS

Number of hours volunteered per month

In the last 12 months, how many hours per month (on average) did you volunteer?

Applies to: Respondents who volunteered in the past year more than one time.

CATI Code: N4COMSRV in (1, -9) and N4VLONE in (0, -9)

N4VLONE

One time event

In the last 12 months, how many hours per month (on average) did you volunteer?

One time event

- 0 = No
- 1 = Yes

Applies to: Respondents who volunteered in the past year.

CATI Code: N4COMSRV in (1, -9) and N4VLHRS in (-3, -9)

Recode note: If N4VLHRS > 0 then N4VLONE = 0.

N4VLGRAD

Volunteer work required for graduation/class

Was any of your community service or volunteer work part of your undergraduate program or required for graduation?

- 0 = No
- 1 = Yes

Applies to: Undergraduates who volunteered in the past year.

CATI Code: TSTAT=1 and N4COMSRV in (1, -9)

N4DISSEN*Have a long-lasting sensory condition*

The next few questions will help us better understand the educational services available for people with disabilities.

Do you have a long-lasting condition (6 months or more) such as blindness, deafness, or a severe vision or hearing impairment?

0 = No

1 = Yes

Applies to: All respondents.

N4DISMOB*Condition that limits physical activities*

Do you have a long-lasting (6 months or more) condition that substantially limits one or more basic physical activities such as walking, climbing stairs, reaching, lifting, or carrying?

0 = No

1 = Yes

Applies to: All respondents.

N4DISOTH*Other condition lasting six months or more*

Excluding any conditions already mentioned, do you have any other physical, mental, emotional, or learning condition that has lasted six months or more?

0 = No

1 = Yes

Applies to: All respondents.

N4DIFLRN, N4DIFDRS, N4DIFSCH, N4DIFWRK, N4DIFNON

Because of that long-lasting (6 months or more) condition, do you have any difficulty doing any of the following:

(Please check all that apply.)

0 = No

1 = Yes

N4DIFLRN—Learning, remembering, or concentrating

N4DIFDRS—Dressing, bathing, or getting around inside your home or dormitory

N4DIFSCH—Getting to school to attend class

N4DIFWRK—Working at a job

N4DIFNON—None of the above

Applies to: Respondents who reported some other type of disability.

CATI Code: N4DISOTH in (1, -9)

TDISABL*Disability Flag*

TDISABL indicates respondents with any disability

If N4DISSEN=1 or N4DISMOB=1 or [N4DISOTH=1 and (N4DIFLRN=1 or N4DIFDRS=1 or N4DIFSCH=1 or N4DIFWRK=1)] then TDISABL=1
else TDISABL=0

0 = No

1 = Yes

Applies to: All respondents.

N4MAIN*Main limiting condition*

What is the main type of condition or impairment you have?

(Please choose only one.)

1 = Hearing impairment (i.e., deaf or hard of hearing)

2 = Blindness or visual impairment that cannot be corrected by wearing glasses

3 = Speech or language impairment

4 = Orthopedic or mobility impairment

5 = Specific learning disability/dyslexia

6 = Attention deficit disorder (ADD)

7 = Health impairment/problem

8 = Mental, emotional or psychiatric condition

9 = Depression

10 = Developmental disability

11 = Brain injury

12 = Other, please specify

Applies to: Respondents who reported a disability.

CATI Code: TDISABL=1

N4SERCA–N4SERCG, N4SERCX, N4SERCN*Services received*

What disability-related services or accommodations have you received to assist you with your schooling in the last 12 months?

(Please check all that apply.)

0 = No

1 = Yes

N4SERCA—Alternative exam formats or additional time

N4SERCB—Tutors to assist with ongoing homework

N4SERCC—Readers, classroom note takers, or scribes

N4SERCD—Registration assistance or priority class registration

N4SERCE—Sign language or oral interpreters

N4SERCF—Adaptive equipment and technology (e.g., assistive listening devices talking computers)

N4SERCG—Course substitution or waiver

N4SERCX—Other, please specify

N4SERCN—None of the above

Applies to: Respondents who reported a disability.

CATI Code: TDISABL=1

**N4NEEDA–N4NEEDG, N4NEEDX,
N4NEEDN**

Services needed

What disability-related services or accommodations have you received to assist you with your schooling in the last 12 months?

(Please check all that apply.)

0 = No

1 = Yes

N4NEEDA—Alternative exam formats or additional time

N4NEEDB—Tutors to assist with ongoing homework

N4NEEDC—Readers, classroom note takers, or scribes

N4NEEDD—Registration assistance or priority class registration

N4NEEDE—Sign language or oral interpreters

N4NEEDF—Adaptive equipment and technology (e.g., assistive listening devices talking computers)

N4NEEDG—Course substitution or waiver

N4NEEDX—Other, please specify

N4NEEDN—None of the above

Applies to: Respondents who reported a disability.

CATI Code: TDISABL=1

N4VOCREC

Ever received Voc Rehab services

Have you received Vocational Rehabilitation services?

0 = No

1 = Yes

Applies to: Respondents who reported a disability.

CATI Code: TDISABL=1

N4VOCAPP

Ever applied for Voc Rehab services

Have you applied for Vocational Rehabilitation services?

0 = No

1 = Yes

Applies to: Respondents who reported a disability and who did not receive Vocational Rehabilitation services.

CATI Code: TDISABL=1 and N4VOCREC in (0, -9)

N4SSI

Receive SSI/SSDI

Are you currently receiving Supplemental Security Income (SSI) or Social Security Disability Insurance (SSDI)?

0 = No

1 = Yes, Supplemental Security Income (SSI)

3 = Yes, Social Security Disability Insurance (SSDI)

4 = Both SSI and SSDI

Applies to: Respondents who reported a disability.

CATI Code: TDISABL=1

Student Interview–Abbreviated Version

OMB No. 1850-0666

Expires: 02/28/2006

**NATIONAL
POSTSECONDARY
STUDENT
AID
STUDY**

**Abbreviated Interview
(NPSAS:2004)**

Instructions: Please answer each question by placing a check (Y) in the box next to the appropriate response or filling in the information requested. The **NPSAS School** referenced is the school shown on the label on this page. The study period of interest is the **2003-2004 school year (between July 1, 2003 and June 30, 2004)**. If you do not know an exact dollar amount for an item, please try to estimate the amount.

Your participation in this study is completely voluntary and your decision to participate will not affect any financial aid or other benefits you are receiving. You may decline to answer any question. All information you provide is confidential.

When you have completed your self-administered interview, please return it within 2 weeks in the self-addressed, postage-paid return envelope provided. Thank you for participating in this very important study.

Affix NPSAS label here

N4ELIG

1. Were you enrolled at *the NPSAS school* at any time between July 1, 2003 and June 30, 2004?
 - Yes, was enrolled and left at the end of the term, or was still enrolled as of June 30, 2004 → *Go to Question 4*
 - Yes, was enrolled but left before the term ended → *Go to Question 2*
 - Have been enrolled, but still enrolled in high school → *Go to end*
 - No → *Go to end*

N4DRPRF

2. Did you receive a full refund of your tuition when you left?
 - Yes → *Go to Question 3*
 - No → *Go to Question 4*

N4DRPCMP

3. Did you complete a course or term at *the NPSAS school* at any time between July 1, 2003 and June 30, 2004?
 - Yes → *Go to Question 4*
 - No → *Go to end*

N4STAT

4. For all questions about your 2003–2004 enrollment at *the NPSAS school*, please refer to your most recent term of enrollment at the school.

In your most recent term at the NPSAS school, have you been enrolled as an undergraduate or graduate student, or have you been taking courses without being enrolled in a degree program?

- Undergraduate student (includes associate's and bachelor's degrees, postsecondary diplomas and certificates at the undergraduate level, as well as professional degrees that do not require a bachelor's degree) → *Go to Question 5*
- Graduate student (includes master's and doctoral degrees, and post-baccalaureate and post-master's certificates, as well as professional degrees that may be pursued after obtaining a bachelor's degree) → *Go to Question 6*
- Taking classes without being enrolled in a degree program → *Go to Question 7*

N4DGUG

5. What undergraduate degree or certificate were you working on at *the NPSAS school* during the 2003–2004 school year?
 - Bachelor's degree → *Go to Question 14*
 - Associate's degree → *Go to Question 14*
 - Undergraduate certificate or diploma (occupational or technical program) → *Go to Question 8*
 - Undergraduate student, not in a degree program → *Go to Question 13*
 - Professional degree (only includes the following degree programs: chiropractic, dentistry, law, medicine, optometry, osteopathic medicine, pharmacy, podiatry, divinity/theology, or veterinary medicine) → *Go to Question 11*
 - Post-baccalaureate certificate → *Go to Question 14*

N4DGGR

6. What graduate degree or certificate were you working on at *the NPSAS school* during the 2003-2004 school year?

If you are enrolled in more than one program, enter the highest. For example, if you are working on both a doctoral degree and a professional degree, enter a doctoral degree.

- Master's degree →Go to *Question 10*
- Doctoral degree →Go to *Question 9*
- Post-baccalaureate certificate →Go to *Question 14*
- Graduate student, not in a degree program →Go to *Question 13*
- Post-master's certificate →Go to *Question 14*
- Professional degree (only includes the following degree programs: chiropractic, dentistry, law, medicine, optometry, osteopathic medicine, pharmacy, podiatry, divinity/theology, or veterinary medicine) →Go to *Question 11*

N4CLSLV

7. During the 2003-2004 school year, were you taking mainly undergraduate or graduate classes at the NPSAS school?

- Mainly undergraduate classes
- Mainly graduate classes
- An equal mix of undergraduate and graduate classes

Go to Question 13

N4CKHOUR

8. Did your program of study require at least 3 months or 300 clock hours of instruction in order for a certificate to be awarded?

- Yes →Go to *Question 14*
- No →Go to *End*

N4DGD

9. What specific doctoral degree were you working toward in your most recent term in the 2003-2004 school year?

- Doctor of Philosophy (PhD)
- Doctor of Education (EdD)
- Doctor of Science (DSc/ScD) or Engineering (DEng)
- Doctor of Psychology (PsyD)
- Doctor of Business or Public Administration (DBA/DPA)
- Doctor of Fine Arts (DFA)
- Doctor of Divinity/Theology (ThD)
- Other doctoral degree not listed

Go to Question 14

N4DGMS

10. What specific master's degree were you working toward in your most recent term in the 2003-2004 school year?

- Master of Science (MS)
- Master of Arts (MA)
- Master of Education (MEd) or Teaching (MAT)
- Master of Business Administration (MBA)
- Public administration (MPA)
- Master of Social Work (MSW)
- Master of Fine Arts (MFA)
- Master of Public Health (MPH)
- Master of Divinity (MDiv)
- Other master's degree program not listed

Go to Question 14

N4DGPR

11. What specific professional degree were you working toward in your most recent term in the 2003–2004 school year?

- Ministry or Divinity (MDiv/DMin/MHL/BD/ordination)
- Law (JD/LLB)
- Medicine (MD) or Osteopathic medicine (DO)
- Dentistry (DDS/DMD)
- Chiropractic (DC/DCM)
- Pharmacy (PharmD)
- Optometry (OD)
- Podiatry (DPM/DP/PodD)
- Veterinary medicine (DVM)
- Other undergraduate degree not listed
- Other graduate degree not listed

Go to Question 12

N4PRBA

12. Which of the following describes your most recent enrollment at *the NPSAS school*?

- Enrolled in a professional degree program, but have not yet earned a bachelor's degree
- Have already earned a bachelor's degree and was/now enrolled for a professional degree at the graduate level

Go to Question 14

N4ELCRD

13. For all questions about your 2003–2004 enrollment at *the NPSAS school*, please refer to your most recent term of enrollment at the school.

In your most recent term at the NPSAS school, were you enrolled in a course for credit that could be transferred to another school?

- Yes → ***Go to Question 14***
- No → ***Go to End***

N4NENRL

14. We'd like to know about your enrollment at *the NPSAS school* during the academic year. Please indicate **all of** the months you have been enrolled **between July 2003 June 2004**. If you plan to be enrolled for any portion of a month, please include that month.

2003

- July
 August
 September
 October
 November
 December

2004

- January
 February
 March
 April
 May
 June

Go to Question 15

N4SCHSTR

15. In what month and year did you first attend *the NPSAS school* after completing high school requirements?

— — / — — — —

Month / Year

Go to Question 16

N4CMPDGN

16. Have you completed all the requirements for your degree?

- Yes
 No, have not completed requirements
 No, not in a degree program

Go to Question 17

N4EXPNP

17. What is the highest level of education you expect to complete at *the NPSAS school*?

- Bachelor's degree
 Associate's degree
 Undergraduate certificate or diploma (occupational or technical program)
 Master's degree
 Doctoral degree (such as the Ph.D., Ed.D., etc.)
 Post-baccalaureate certificate
 Post-master's certificate
 Professional degree (only includes the following degree programs: chiropractic, dentistry, law, medicine, optometry, osteopathic medicine, pharmacy, podiatry, divinity/theology, or veterinary medicine)
 No degree/certificate

Go to Question 18

N4NEW1

18. Did you attend any other schools besides *the NPSAS school* any time between July 1, 2003 and June 30, 2004?

- Yes
- No

Go to Instruction Box

If the respondent is an undergraduate student (a student working on an undergraduate degree, a student taking mainly undergraduate classes, or a student taking an equal mix of undergraduate and graduate classes) go to Question 19.

If the respondent is a graduate student (a student working on a graduate degree or a student taking mainly graduate classes), go to Question 26.

N4NFST

19. Was *the NPSAS school* the first college or trade school you enrolled in after completing your high school requirements?

- Yes → *Go to Question 21*
- No → *Go to Question 20*

N4FSTSTR

20. In what month and year did you first attend any college, university, or trade school after high school?

___ / ___

Month / Year

Go to Question 21

N4CMPCLS

21. Did you complete one or more postsecondary classes (at a college or trade school) toward a degree or formal award between the time you completed high school and July 1, 2003?

- Yes
- No

Go to Instruction Box

If the respondent attended a school other than the NPSAS school between July 1, 2003 and June 30, 2004 go to Question 22. Else go to Question 26.

N4TRNSFR

22. Did you transfer to *the NPSAS school* from another school at any time during 2003-2004?

- Yes → *Go to Question 23*
- No → *Go to Question 24*

N4TRNCRD

23. Did *the NPSAS school* accept all, some, or none of the credits you wanted to transfer?

- All
- Some
- None

Go to Question 25

N4TRNAWY

24. Did you transfer from *the NPSAS school* to another school at any point during 2003–2004?

- Yes → ***Go to Question 26***
- No → ***Go to Question 25***

N4TRNPLN

25. Do you plan to transfer from *the NPSAS school* to another school?

- Yes
- No

Go to Question 26

N4PRDG

26. Have you earned any degrees or certificates since you left high school?

- Yes
- No

Go to Instruction Box

***Is the respondent an undergraduate student (a student working on an undergraduate degree, a student taking mainly undergraduate classes, or a student taking an equal mix of undergraduate and graduate classes)?
If YES, go to Question 27. Else skip to Question 28.***

N4REASON

27. What were your main reasons for enrolling at *the NPSAS school*? (Please check all that apply.)

- Learn job skills/prepare for job
- Transfer to a 2-year school
- Transfer to a 4-year school
- Transfer but not known where
- Personal interest or enrichment
- Complete an undergraduate certificate or diploma

Go to Question 28

N4EVR4YR

28. Have you ever attended a 4-year school?

- Yes
- No

Go to Question 29

N4GENDR

29. So that the rest of this interview may be customized for you, please answer the following questions. What is your gender?

- Male
- Female

Go to Question 30

N4DOB

30. In what month and year were you born?

__ __ / __ __ __ __

Month / Year

Go to Question 31

N4MARR

31. What is your current marital status?

- Single, never married
- Married
- Separated
- Divorced
- Widowed

Go to Question 32

If the respondent is an undergraduate student (a student working on an undergraduate degree, a student taking mainly undergraduate classes, or a student taking an equal mix of undergraduate and graduate classes), go to Question 32.

If the respondent is a graduate student (a student working on a graduate degree or a student taking mainly graduate classes), go to instruction box after Question 34.

N4DIPL

32. Which of the following best describes your high school completion?

- Received a high school diploma → *Go to Question 33*
- Passed a GED (General Educational Development) test → *Go to Question 33*
- Received a high school completion certificate → *Go to Question 33*
- Attended a foreign high school → *Go to Question 33*
- Did not complete high school or a high school equivalency program → *Go to Question 34*
- Home schooled → *Go to Question 33*

N4HSYR

33. When did you last attend high school or receive your high school diploma/GED?

Year: __ __ __ __

If N4HSYR = 2004 or blank, go to Question 34. Else go to Instruction Box after Question 34.

N4CMP

34. Were you completing high school requirements for the entire time you were enrolled at *the NPSAS school* between July 1, 2003 and June 30, 2004?

- Yes → *Go to End*
 No → *Go to Instruction Box*

If the respondent is an undergraduate student (a student working on an undergraduate degree, a student taking mainly undergraduate classes, or a student taking an equal mix of undergraduate and graduate classes), go to Question 36.

If the respondent is a graduate student (a student working on a graduate degree or a student taking mainly graduate classes), go to Question 35.

N4GRAID

35. For the 2003-2004 school year, which of the following did you have? (Please check all that apply and fill in the amount of each type of aid received.)

- Teaching assistantship Amount \$ _____
 Research assistantship Amount \$ _____
 Graduate fellowship Amount \$ _____
 Traineeship Amount \$ _____
 Graduate assistantship Amount \$ _____
 None

Go to Question 37

N4SCHJOB

36. During the 2003-2004 school year, did you participate in either work study or a paid assistantship? (Please check all that apply.)

- Work Study
 Assistantship
 None of the above

Go to Question 37

N4RCVAID

37. Did you receive financial aid—such as grants, loans, or scholarships—during the 2003-2004 school year?

- Yes → *Go to Question 39*
 No → *Go to Question 38*

N4APPAID

38. Did you apply for financial aid for the 2003–2004 school year?

- Yes
 No

Go to Question 40

N4STAID

39. Did you receive any scholarships or grants from your school or from a state grant program during the 2003-2004 school year? (Please check all that apply and fill in the amount of each type of aid received.)

- State grant or scholarship Amount \$ _____
- College grant or scholarships Amount \$ _____
- None

Go to Question 40

N4OTAID

40. Did you receive any financial aid during the 2003–2004 school year that **did not** come from the financial aid office? (Please check all that apply and fill in the amount of each type of aid received.)

- Tuition reimbursement from your employer Amount \$ _____
- Grants or scholarships from a private organization Amount \$ _____
- Veteran’s or DoD (Department of Defense) benefits Amount \$ _____
- Aid from your parent’s employer Amount \$ _____
- None

Go to Question 41

N4PRVLN

41. Did you receive any type of commercial or private loan (such as TERI, Excel, or Access loans) from a bank or private organization for your enrollment during the 2003–2004 school year?

- Yes → *Go to Question 42*
- No → *Go to Question 43*

N4PRVAMT

42. How much did you borrow in commercial or private loans during the 2003–2004 school year?

- Amount \$ _____

Go to Instruction Box

If the respondent is an undergraduate student (a student working on an undergraduate degree, a student taking mainly undergraduate classes, or a student taking an equal mix of undergraduate and graduate classes), go to Question 43.

If the respondent is a graduate student (a student working on a graduate degree or a student taking mainly graduate classes), go to Question 44.

N4SCHRES

43. While you were enrolled during the 2003–2004 school year, did you live on campus, with your parents or guardians, or some place else? (If you lived in more than one residence, choose the place were you lived for the longest period of time.)

- On-campus
- With parents or guardians
- Some place else (off campus)

Go to Question 44

N4NUMJOB

44. The next questions have to do with jobs **other** than any work study or assistantships you might have held while you were enrolled at *the NPSAS school* during the 2003–2004 school year.

How many jobs for pay did you have while you were enrolled during the 2003–2004 school year? _____

If response is 0, go to Question 49. Else go to Question 45.

N4EARN

45. How much did you earn from all the jobs you held [excluding work study or assistantships] **while you were enrolled** during the 2003–2004 school year? Please exclude summer earnings if you were not enrolled during the summer.

Amount \$ _____

- For the entire school year → *Go to Question 47*
- Per term/semester → *Go to Question 46*
- Per month → *Go to Question 46*
- Per week → *Go to Question 46*

N4EARN5

46. How many terms/months/weeks will you have worked **while you were enrolled** during the 2003–2004 school year? _____

Go to Question 47

N4HOURS

47. Not including any work study job/assistantship/fellowship or traineeship, how many hours did you work per week (on average) **while you were enrolled** during the 2003–2004 school year? (Please exclude summer hours if you were not enrolled during the summer.)

Go to Question 48

N4ENRWRK

48. While you were enrolled at *the NPSAS school* and working, would you say you were primarily...

- A student working to meet expenses or
- An employee who decided to enroll in school

Go to Question 49

N4INCOM

49. What was your income from all sources (including income from work, investment income, alimony, etc.) prior to taxes and deductions in **calendar year 2003 (January 1st to December 31st)**? If you are married, please exclude spouse's income.

- No income
- Less than \$1,000
- \$1,000-\$2,499
- \$2,500-\$4,999
- \$5,000-\$9,999
- \$10,000-\$14,999
- \$15,000-\$19,999
- \$20,000-\$29,999
- \$30,000-\$49,999
- \$50,000 and above

If respondent is not married, go to Question 51. Else go to Question 50.

N4INCSP

50. How much would you estimate your spouse earned from all sources prior to taxes and deductions in 2003?

- No income
- Less than \$1,000
- \$1,000-\$2,499
- \$2,500-\$4,999
- \$5,000-\$9,999
- \$10,000-\$14,999
- \$15,000-\$19,999
- \$20,000-\$29,999
- \$30,000-\$49,999
- \$50,000 and above

Go to Question 51

N4UNTAX

51. Between July 1, 2003 and June 30, 2004, did you [or your spouse] receive any untaxed income or benefits, such as TANF (AFDC), Social Security, worker's compensation, disability payments, or child support?

- Yes → *Go to Question 52*
- No → *Go to Question 53*

N4TAXTYP

52. Between July 1, 2003 and June 30, 2004, which of the following did you receive? (Please check all that apply.)

- TANF (AFDC)
- Social Security benefits
- Worker's compensation
- Disability payments
- Food stamps
- Child support
- None

Go to Instruction Box

If the respondent is an undergraduate student (a student working on an undergraduate degree, a student taking mainly undergraduate classes, or a student taking an equal mix of undergraduate and graduate classes), go to Question 53.

If the respondent is a graduate student (a student working on a graduate degree or a student taking mainly graduate classes), go to Question 58.

N4PARNC

53. What was your parents'/guardians' income in 2003?

- Under \$30,000
- \$30,000 to \$59,999
- \$60,000 to \$89,999
- \$90,000 and above
- Don't know

Go to Question 54

N4REMEVER

54. Since you completed high school, have you taken remedial or developmental courses to improve your basic skills—such as in mathematics, reading, writing, or study skills?

- Yes → *Go to Question 55*
- No → *Go to Question 56*

N4REMSY

55. Did you take any remedial or developmental courses during the 2003-2004 school year?

- Yes
- No

Go to Question 56

N4ACTSAT

56. Did you take the SAT or ACT college entrance exam?

- Yes, SAT
- Yes, ACT
- Yes, both the SAT and ACT
- No

Go to Question 57

N4UGEXP

57. During the 2003-2004 school year at *the NPSAS school*, please indicate whether you did the following never, sometimes, or often?

	Never	Sometimes	Often
Attend classes taught by graduate students	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Attend large lecture classes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Write essay answers as part of exams	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Write papers for courses	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Go to Question 58

N4HISP

58. Are you of either Hispanic or Latino origin?

- Yes → ***Go to Question 59***
- No → ***Go to Question 60***

N4HISTYP

59. Are you of... (Please check all that apply.)

- Cuban descent
- Mexican, Mexican-American, or Chicano descent
- Puerto Rican descent
- Some other Spanish, Hispanic or Latino origin

Go to Question 60

N4RAC1

60. What is your race? (Please check all that apply.)

- White
- Black or African American
- Asian
- American Indian or Alaska Native
- Native Hawaiian or Other Pacific Islander
- Other, specify _____

Go to Question 61

N4DEPS

61. While you were enrolled in the 2003-2004 school year, did you [or your spouse] have any children under age 25 that you supported financially?

- Yes → ***Go to Question 62***
- No → ***Go to Question 63***

N4DEP2

62. How many? _____

Go to Question 63

N4OTDEPS

63. Were you supporting anyone else **while enrolled** in the 2003-2004 school year?

- Yes
- No

Go to Question 64

If the respondent is an undergraduate student (a student working on an undergraduate degree, a student taking mainly undergraduate classes, or a student taking an equal mix of undergraduate and graduate classes), go to Question 64.

If the respondent is a graduate student (a student working on a graduate degree or a student taking mainly graduate classes), go to Question 66.

N4PARST

64. What is your parents' marital status?

- Married/remarried
- Single
- Divorced/separated
- Widowed

Go to Question 65

N4PRHSD

65. **Not including yourself**, how many people did your parents/guardians support financially during the 2003–2004 school year? _____

Go to Question 66

N4DADED

66. What is the highest level of education your father completed?

- Did not complete high school
- High school diploma or equivalent
- Vocational/technical training
- Less than 2 years of college
- Associate's degree
- 2 or more years of college but not degree
- Bachelor's degree
- Master's degree or equivalent
- Professional degree (only includes the following degree programs: chiropractic, law, optometry, pharmacy, podiatry, or divinity/theology)
- Doctoral degree (PhD, EdD, etc) or equivalent
- Don't know

Go to Question 67

N4MOMED

67. What is the highest level of education your mother completed?

- Did not complete high school
- High school diploma or equivalent
- Vocational/technical training
- Less than 2 years of college
- Associate's degree
- 2 or more years of college but not degree
- Bachelor's degree
- Master's degree or equivalent
- Professional degree (only includes the following degree programs: chiropractic, law, optometry, pharmacy, podiatry, or divinity/theology)
- Doctoral degree (PhD, EdD, etc) or equivalent
- Don't know

Go to Question 68

N4DISSEN

The next few questions will help us better understand the educational services available for people with disabilities.

68. Do you have a long-lasting condition (6 months or more) such as blindness, deafness, or a severe vision or hearing impairment?

- Yes
- No

Go to Question 69

N4DISMOB

69. Do you have a long-lasting (6 months or more) condition that substantially limits one or more basic physical activities such as walking, climbing stairs, reaching, lifting, or carrying?

- Yes
- No

Go to Question 70

N4DISOTH

70. Excluding any conditions already mentioned, do you have any other physical, mental, emotional, or learning condition that has lasted six months or more?

- Yes
- No

Go to Instruction Box

If answers to Questions 67, 68, and 69 are all NO, go to end. Else to go Question 71.

N4DIFLRN

71. Because of that long-lasting (6 months or more) condition, do you have any difficulty doing any of the following: (Please check all that apply.)

- Learning, remembering, or concentrating?
- Dressing, bathing, or getting around inside your home or dormitory?
- Getting to school to attend class?
- Working at a job?
- None

Go to Question 72

N4MAIN

72. What is the **main** type of condition or impairment you have? (Please choose only one.)

- Hearing impairment (i.e., deaf or hard of hearing)
- Developmental disability
- Brain injury
- Other, please specify
- Blindness or visual impairment that cannot be corrected by wearing glasses
- Speech or language impairment
- Orthopedic or mobility impairment
- Specific learning disability/dyslexia
- Attention deficit disorder (ADD)
- Health impairment/problem
- Mental, emotional or psychiatric condition
- Depression
- Other, specify _____

END

The interview is now complete.

Thank you for taking the time to participate in this important study for the U.S. Department of Education.

Appendix F

Call Center Services (CCS) Training Materials

CCS Institutional Contractor Training	F-3
CCS Institutional Contractor Training Manual Table of Contents.....	F-9
Field Data Collection Training	F-15
Field Data Collection Training Table of Contents.....	F-25
CCS Help Desk/Telephone Interviewer Training	F-37
CCS Help Desk/Telephone Interviewer Training Table of Contents.....	F-41

Call Center Services (CCS) Institutional Contractor Training Agenda

**CCS Institutional Contactor
TRAINING AGENDA
National Study of Faculty and Students (NSoFaS)
Coordinator Prompting (IQ, Faculty List, Student List)**

~

Day One

~

- 8:30 – 10:00** **CALL CENTER TRAINING IF NEEDED**
- 10:00-10:15** **INTRODUCTION TO NSoFaS:04**
- Institutional Contacting Team
 - Project Staff
- 10:15-10:45** **NSOFAS: THE STUDY OVERVIEW**
- 10:45-11:00** **KEY RESULTS FROM PREVIOUS NSOFAS STUDIES**
- NSOPF—Faculty Component
 - NPSAS—Student Component
- 11:00-11:30** **EARLY NOTIFICATION STRATEGY AND STUDY TIMELINE**
- 11:30-12:00** **THE NSoFaS INSTITUTIONAL WEB SITE**
- 12:00-12:45** **CA PROMPTING PROCEDURES/ QUESTIONS AND ANSWERS**
- Receipt of Packet
 - Completion of the Designating a Coordinator Form
- 12:45-1:30** **LUNCH**
- 1:00-1:30** **OVERVIEW OF COORDINATOR PROMPTING**
- Receipt of Packet
 - Completing the Coordinator Response Form (CRF)
- 1:30-2:30** **USING THE ICS**
- Selecting Institutions
 - Sorting Institutions/User
 - Contact Info
 - Adding a Contact
 - Institute Info
 - Eligibility Criteria
 - Appointments
 - Comments/Record of Calls (ROC)
 - Refusal Conversion
- 2:30—3:00** **CURRENT STAGES & READING THE ICS**
- Previous Stages
 - Current Stages
 - Current Stages Tasks
 - Faculty and Student List Acquisition
 - Institution Questionnaire
 - webCADE
- 3:00– 3:15** **BREAK**
- 3:15 – 4:30** **FACULTY LIST PROMPTING**

4:30—5:00 SUMMARY EVALUATION OF TRAINING

~

Day Two

~

- 9:00—9:15 BREAKFAST/INFORMAL Q & A
- 9:15 – 10:00 UPDATE ON STAGES COMPLETED
- Mailing of binders in two waves
 - % Completed CRF
 - #/% Refused
 - # Multi-campus INST
- 9:00 – 9:30 OVER SAMPLE OF TWELVE STATES
- 9:30-10:15 LIST PROCEDURES FOR NSOPF/ FREQUENTLY ASKED QUESTIONS
- Review of relevant binder tabs
 - Sampling and eligibility issues
 - Field Test ICs most frequently answered questions
- 10:15-10:30 BREAK
- 10:30 -- 11:15 LIST PROCEDURES FOR NPSAS/ FREQUENTLY ASKED QUESTIONS
- Review of relevant binder tabs
 - Sampling and eligibility issues
 - Field Test ICs most frequently answered questions
- 11:00-12:00 ICS: PROBLEM RESOLUTION FORMS/WRITING THOROUGH COMMENTS
- Tackling Respondent Refusal
 - Reporting ICS functionality
- 12:00-1:00 LUNCH
- 1:30-2:30 USING REPORTS AND STAGES/STATUS CODES
- 2:30 – 3:30 THE INSTITUTION QUESTIONNAIRE
- Round robin on-line
- 3:30 – 3:45 BREAK
- 3:45—4:15 OVERVIEW OF NPSAS webCADE CONTENT
- Student record abstraction options
 - Updating the ICS due dates page
- 4:15 -- 4:45 ROLE-PLAY EXERCISES ON IQ COMPLETION AND FACULTY LIST
- 4:45 -- 5:00 REVIEW/EXPLAIN HOME STUDY PACKET
- Instructions
-

Day Three

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- 9:00—9:15** **BREAKFAST/INFORMAL Q & A**
- 9:15 – 9:30** **BINDER MAILING: STAGE 41 & 43**
- Review Binder Content Teams:
NSoFaS (3) NSOPF (3) NPSAS(3)
- 9:30 – 10:30** **PROMPTING COORDINATOR FOR RECEIPT OF BINDER NPSAS ONLY (JAN)**
- Role-play
 - Mocks
- 10:30 – 10:45** **BREAK**
- 10:45 – 12:00** **PROMPTING COORDINATOR FOR COMPLETION OF IQ (JAN-MAR)**
- Role-play
 - Mocks
- 12:00 – 1:00** **LUNCH**
- 1:00 – 1:30** **PROMPTING COORDINATOR FOR FACULTY LIST (JAN-MAR)**
- 1:30—2:00** **PROMPTING COORDINATOR FOR STUDENT LIST (JAN-MAY)**
- Getting a webCADE method and due date(FEB-JUNE)
- 2:00 – 2:30** **ICS CASE ASSIGNMENTS**
- Review cases assigned to ICs
 - Practice sorting assignment
 - Review report
 - QC Faculty and Student List resolution
- 2:30 – 3:00** **Bonus Structure REVIEW HOME STUDY**
- 3:00 – 3:15** **Break**
- 3:15 – 5:00** **Paired-calls (Vet w/New) on the floor**

**Call Center Services (CCS)
Institutional Contractor Training Manual Table of Contents**

Full Scale – CCS Training Manual
2004 National Study of Faculty and Students (NSoFaS:04)
Institutional Contacting

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 - 3.6.1 Help Needed: Supplemental Call Info; Problem and Refusal Reporting

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Institutional Contacting**

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2004 National Study of Faculty and Students (NSoFaS:04)
Institutional Contacting**

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- C** Institution Questionnaire Screens and Help Text
- D** FAQs
- E** Glossary of Terms
- F** Problem Sheets and Refusal Forms
- G** Contents of CADE
- H** NSoFaS Stage Flow Overview
- I** QC Meeting Notes

Field Data Collection Training Agenda

**2004 National Study of Faculty and Students
National Postsecondary Student Aid Study
Field Data Collector Training**

AGENDA



Day One

Hotel, 8:00 pm - 5:00 pm

Entire Group

REGISTRATION/Breakfast

7:00a – 8:30a

- Complete I-9
- RTI Identification photos

Topic 1 Welcome and Introduction to NSoFaS: 2004

8:30a – 9:00a

- NSoFaS project teams: Who’s on first?

Topic 2 Background and purpose of NSoFaS:2004

9:00a – 9:20a

- Study design

Topic 3 Historical Perspective on Student Record Abstraction

9:20a – 9:45a

Topic 4 Uses of the data (NPSAS specific)

9:45a – 10:30a

- Findings from NPSAS 2000

Break

10:30a – 10:45a

Topic 5 Student Financial Aid Process and Practice

10:45a – 11:45p

- Loans, Grants and other Federal Aid programs
- FAFSA—the application

Topic 6 Update on Institutional Contacting Task (webCADE)

11:45a – 12:15a

- Student List
- Faculty Lists
- webCADE (self)

LUNCH

12:15p - 1:15p

Day Two

Topic 7	Confidentiality <ul style="list-style-type: none">• Headway Procedures• Affidavits of Non-Disclosure/Confidentiality Agreements Notarized	1:15p – 2:15p
Topic 8	Overview of the Training Session/FDC Responsibilities <ul style="list-style-type: none">• Training agenda and rules• FDC responsibilities• Content of Case Studies Binder	2:15p - 2:45p
Topic 9	Introduction to the Laptop Computer <ul style="list-style-type: none">• Assign computers/Complete Inventory Sheets• Review Hardware• Intro to Case Management System (CMS)	2:45p - 3:15p
	Break	3:15p – 3:30p
Topic 10	webCADE Demonstration Financial Aid Module (Case # 1) <ul style="list-style-type: none">• Institutional Defaults• Financial Aid Section• Need Analysis Section• ISIR Section	3:30p – 4:15p
Topic 11	webCADE Demonstration Registration/Admissions Module (Case # 1) <ul style="list-style-type: none">• Locating Section• Characteristics Section• Admissions Section	4:15p – 4:30p
Topic 12	webCADE Demonstration Enrollment/Tuition Module (Case #1) <ul style="list-style-type: none">• Enrollment Section• Tuition Section	4:30p – 4:45p
	Q&A/Adjournment <ul style="list-style-type: none">• Study Hall• Break out rooms for remainder of training	4:45p – 5:00p

Day Three

Hotel, 9:00 am - 5:00 pm

By FS Grouping

	Continental Breakfast	8:00a - 9:00a
Topic 13	Agenda overview and goals of training	9:00a – 9:15a
Topic 14	Document Search by CADE: Module: Financial Aid Info (Case #10) <ul style="list-style-type: none"> • Financial Aid: Subsection • Need Analysis Subsection • ISIR Subsection 	9:15a – 10:00a
Topic 15	Document Search by CADE Module: Registration/Admission (Case #10) <ul style="list-style-type: none"> • Locating Subsection • Characteristics • Admissions 	10:00a – 10:30a
Topic 16	Document Search CADE Module: ISIR (Case #10)	10:30a – 10:45a
	BREAK	10:45a – 11:00a
Topic 17	Case Management System (CMS) <ul style="list-style-type: none"> • Training Cases versus the REAL thing • Transmitting Completed Cases 	11:00a –11:15a
Topic 18	Keying the Data in webCADE (Case #10)	11:15a –12:00p
Topic 19	Observations/Questions	12:00p – 12:15p
	Lunch	12:00p – 1:00p
Topic 20	Postsecondary Institution Environment <ul style="list-style-type: none"> • The Faculty/Student studies • Web site review • Course Catalogs/COA • Directories/E-mails for students 	1:00p – 1:30p
Topic 21	Contacting Institutional Coordinators <ul style="list-style-type: none"> • The “Appointment Call” • The “Kick-Off Meeting” • Role-Play Vignette 	1:30:p – 2:30p
Topic 22	Round Robin Case #3	2:30p – 3:30p
	Break	3:30p – 3:45p

Day Four

Topic 23	Paired Practice Case # 6	3:45 – 4:30p
Topic 24	Observations/Questions/Adjournment	4:30 – 4:45p
	<ul style="list-style-type: none">• Study Hall	Transmit Cases 1, 10, 3, 6
		6:00p – 7:00p

Day Five

Hotel, 8:30 am - 5:00 pm

By FS Grouping

	Continental Breakfast	8:00a - 9:00a
Topic 25	Case Management System <ul style="list-style-type: none"> • Overview of Case Management System • Instrument/Update Abstraction Codes • Accessing cases • Reviewing institutional histories • Training cases vs. real cases • Overview of electronic PT&E (ePT&E) • Other CMS Functions 	9:00a -10:00a
Topic 26	Eudora Mail: Practice	10:00a – 10:30
	Break	10:30a – 10:45a
Topic 27	Round Robin Case #8	10:45a – 11:45a
Topic 28	Review Transmission of Data <ul style="list-style-type: none"> • Transmit Case #8 • Changing "calling from 	11:45a – 12:15a
	Lunch	12:15p – 1:15p
Topic 29	Individual Practice # 9	1:15p – 2:00p
Topic 30	Role Play (The IC Call) <ul style="list-style-type: none"> • Institutional Fact Sheet Case #2 • Web site review of Western Business School 	2:00p – 2:30p
	Break	2:45p – 3:00p
Topic 31	Round-Robin Case # 2	3:00p – 4:00p
Topic32	Homework Assignment Case# 7 <ul style="list-style-type: none"> • Complete/Transmit from hotel 	4:00p – 4:05p
Topic 33	Questions/Adjournment	4:05p – 4:15p
Study Hall		6:00p – 7:00p

Day Six

Hotel, 8:30 am - 5:00 pm

By FS Grouping

	Continental Breakfast /Check-out	8:00a - 9:00a
Topic 34	Review of Homework	9:00a - 9:15a
Topic 35	IRB and Confidentiality	9:15 – 10:00
Topic 36	Assignments/Administrative Procedures <ul style="list-style-type: none">• Cost reporting• Returning hardcopy vs shredding• Assignments	10:00 a – 10:30a
	Break	10:30a – 10:45a
Topic 37	Quality Control Measures <ul style="list-style-type: none">• Verification• Data quality review	10:15a - 10:45a
Topic 38	Round-Robin Case # 4	10:45a – 11:45p
	Lunch	11:45p – 1:00p
Topic 39	Certification Protocol <ul style="list-style-type: none">• Successful Completion/Transmission of Cases #5 & #7	1:00p – 1:30p
Topic 40	Training Evaluation	1:30p – 1:45p
Topic 41	Conference Time with FSs	1:45p – 2:30p
Topic 42	Adjournment/Packing materials to ship	2:30p – 3:00p

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Field Data Collection Training Table of Contents**

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**Call Center Services (CCS)
Help Desk/Telephone Interviewer Training Agenda**

**NPSAS 2004
Help Desk
2 Day training**

<i>HD Day 1</i>	<i>9:00 a.m.–5:00 p.m.</i>
<i>9:00a–9:30a</i>	<i>Welcome and Introduction (30 min)</i> -Introduction of HD and Project Staff -Overview of the Study
9:30a-9:45a	Confidentiality (15 min) -Sign/notarize confidentiality agreements
9:45a-9:55a	Your Role as a Help Desk Operator (10 min)
9:55a-10:05a	Telephone Routing System (10 min)
10:05a-11:05a	Help Desk FAQs (60 min) -Basic FAQs, Security Issues, Computer Capability Requirements, Display Settings, Browser Settings
<i>11:05a-11:20a</i>	<i>Break (15 min)</i>
11:20a-12:20p	Intro to Help Desk Application (60 min)
12:20p-12:50p	Lunch (30 minutes)
12:50p-1:50p	Help Desk Application Round Robin #1 (60 min)
1:50p-2:05p	Help Desk FAQ Review (Oral Quiz) (15 min)
2:05p-2:35p	Demonstration Mock (30 min) -Audiotaped with dataview projection of screens
2:35p-2:50p	FAQ Review (15 min)
<i>2:50p-3:05p</i>	<i>Break (15 min)</i>
3:05p-4:55p	Q x Q Review (110 min) -Review sections and important questions
4:55p-5:00p	Wrap-up/questions

HD Day 2

9:00 a.m.–5:00 p.m.

9:00a	Welcome trainees & begin training session
9:00a-9:15a	FAQ Review (Oral Quiz) (15 min)
9:15a-10:00a	Round Robin Mock #1 (45 min)
10:00a-10:20a	Open-Ended Coding Practice (20 min)
10:20a-11:05a	Refusal Avoidance/Conversion (45 min)
<i>11:05a-11:20a</i>	<i>Break</i>
11:20a-12:20p	Front-End Practice (60 min)
12:20p-12:50p	Lunch
12:50p-1:50p	Paired Mock (60 min)
1:50p-2:05p	FAQ Review (Oral Quiz) (15 min)
2:05p-2:35p	Help Desk Application Review (30 min)
2:35p-3:05p	Front End Review (30 min)
<i>3:05p-3:20p</i>	<i>Break</i>
3:20p-4:35p	Certification Interviews/FAQ Certification (75 min)
4:35p-5:00p	Wrap-up, questions, lag time etc. (25 min)

Additional Training (or first shift after training) – 2 hrs

- Individual Mock Interview
- Paired Mock Interview
- Coding Exercise
- Written Exercise

**Call Center Services (CCS)
Help Desk/Telephone Interviewer Training Table of Contents**

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Appendix G

Data-CADE Specifications

Sample School

Your IPEDS UNITID:
000000

Data Import Specifications for NPSAS

Overview

The data we require for the study consists of approximately 200 data elements for each student in the sample. To simplify the data collection as much as possible, we have separated the data into eight files, each having related data.

It is very important that you prepare your data exactly as specified in this document. there is no way that we will be able to modify our programs to load the data any other way than that which is specified in this document.

Data file	File description
General.txt	Consists of general student characteristics type data such as name, birthday, race and gender for the students in the sample.
Locating.txt	Consists of names and addresses of any contacts you might have for the students including the students themselves.
Tests.txt	Consists of the standardized tests and scores for the students.
Terms.txt	Consists of the terms, enrollment status and tuition amount paid by the students for the terms between July 1, 2003 and June 30th, 2004.
Budget.txt	Contains yes/no type answers regarding whether the students received different types of financial aid, and also the prospective budget information for the students in the sample.
Enrollment.txt	Consists of information regarding the sample student’s last enrollment status: class level, whether or not they were in a Masters or Doctorate program, whether they have completed their degree requirements, etc.
Aid.txt	Contains financial aid info for federal loans and grants, veterans’ benefits, research assistantships, Institution based financial aid or state based financial aid the sample students received between July 1st 2003 and June 30th 2004.
Other_Aid.txt	Contains financial aid info for awards and grants received by the student that are not listed in the Aids.txt file.

Data File Name: General.txt

Consists of general student characteristics type data such as name, birthday, race, and gender for the students in the sample.

This file should be made up of 1 row per student.

Sequence	Length	Start pos	Type	Field description	Valid values
1	8	1	I	NPSAS identifier	8 digit study ID, provided by RTI in the student sample file.
2	9	9	A	Social security number	9 digit social security number of the student. No hyphens.
3	20	18	A	Student's first name	First name of the student
4	1	38	A	Student's middle initial	Middle initial of the student
5	20	39	A	Student's last name	Last name of the student
6	3	59	A	Student's name suffix	Jr., III, etc...
7	2	62	I	BirthMonth	2 digit number for the month of birth
8	2	64	I	BirthDay	2 digit number for the day of birth
9	4	66	I	BirthYear	YYYY (Years MUST be represented in 4 digit format). The allowable range is 1916 - 1991
10	1	70	I	Gender	1=Male 2=Female
11	1	71	I	Marital status	1=unmarried (single, widowed, divorced) 2=married 3=separated
12	20	72	A	Maiden last name	Answer only if the student is female AND is either married or separated
13	20	92	A	Spouse's first name	Answer only if the student is either married or separated
14	2	112	A	Spouse's middle initial	Answer only if the student is either married or separated.
15	20	114	A	Spouse's last name	Answer only if the student is either married or separated.
16	20	134	A	Driver's license number	Student's drivers license number
17	2	154	A	Driver's license state	2 letter postal code for the issuing State
18	1	156	I	High school degree	1=High School Diploma 2=GED or other equivalency 3=Certificate of High School completion 4=Foreign high school 5=No High School degree or certificate

Sequence	Length	Start pos	Type	Field description	Valid values
19	4	157	A	Year of high school degree	Years MUST be represented in 4 digit format. The allowable range is 1936 - the current year
20	2	161	A	State where the High School is located	2 letter postal code of the state where the high school is located
21	1	163	I	Hispanic status/ethnicity	1=of Hispanic origins 2=Not of Hispanic origins
22	1	164	I	Race: white	1=yes 0=no
23	1	165	I	Race: African American	1=yes 0=no
24	1	166	I	Race: American Indian	1=yes 0=no
25	1	167	I	Race: Hawaiian or other Pacific Islander	1=yes 0=no
26	1	168	I	Race: Asian	1=yes 0=no
27	1	169	I	Veteran status	1=Veteran 2=not a Veteran
28	1	170	I	Visa Status	1=U.S Citizen or U.S. National 2=Resident Alien 3=Foreign/International Student or Non-resident Alien
29	1	171	I	ISIR available	1=Yes 0=No Does the school have an ISIR on file for the student?
30	20	172	A	ISIR last name	Last name as it appears on the ISIR form (if available)
31	9	192	A	ISIR social security number	SSN as it appears on the ISIR form
32	2	201	I	Is the student a permanent resident of ?	Please say 1=Yes 0=No -1=Don't know

Data File Name: Locating.txt

Consists of names and addresses of any contacts you might have for the students including the students themselves.

This file should contain up to four rows per student, one for each address type (student local, student permanent, primary parent, other parent/other).

Sequence	Length	Start pos	Type	Field description	Valid values
1	8	1	I	NPSAS identifier	8 digit study ID, provided by RTI in the student sample file.
2	3	9	I	Relationship code of contact to the student	* See Relationship Codes table
3	50	12	A	Relationship description	Contact's relationship to the student if relationship code specified is 'other(90)'
4	25	62	A	Phone number	Contact's phone number
5	1	87	I	Is the phone number specified an International Phone number?	Please say 1=Yes if the specified phone number is an international phone number else 0=No
6	25	88	A	First name	Contact's first name
7	1	113	A	Middle initial	Contact's middle initial
8	25	114	A	Last name	Contact's last name
9	10	139	A	Suffix	Suffix of the contact / student (e.g. Jr., III)
10	40	149	A	Address line 1	Contact's address field 1
11	40	189	A	Address line 2	Contact's address field 2
12	40	229	A	City	Contact's city of residence
13	2	269	A	State	Contact's 2 letter postal code
14	5	271	A	Zip	Contact's 5 digit zip code
15	4	276	A	4 digit zip code extension	Contact's 4 digit zip code
16	50	280	A	Country	Contact's country of residence
17	1	330	I	Address type	1=Permanent 2=Local 3=Primary parent 4=Other parent/guardian
18	50	331	A	The student email address	This applies to the rows where the relationship code is 0 and can be left blank for others

* Relationship codes table Download the relationship codes file [here](#).

Relationship code	Relationship description
-1	Don't know
0	self
1	Father
2	Mother
3	Spouse
4	Brother
5	Sister
6	Uncle
7	Aunt
8	Grandfather
9	Grandmother
10	Friend
11	Co-Worker
90	Other
100	Parent

Data File Name: Tests.txt

Consists of the standardized tests and results for the students.

This file should contain multiple rows per student. If the student is an undergraduate, record rows for SAT and ACT. If the student is a graduate or first professional student include a row for GRE.

Sequence	Length	Start pos	Type	Field description	Valid values
1	8	1	I	NPSAS identifier	8 digit study ID, provided by RTI in the student sample file.
2	1	9	I	Exam type	1=SAT 2=ACT 3=GRE
3	3	10	I	Verbal score	SAT=200-800 GRE=200-800
4	3	13	I	Quantitative / Math score	SAT=200-800 GRE=200-800
5	3	16	I	Analytic score	GRE=0-6
6	4	19	I	Comprehensive score	ACT=0-36

Data File Name: Terms.txt

Consists of the terms, enrollment status and tuition amount paid by the students for the terms between July 1, 2003 and June 30th, 2004.

This file should include one row for EACH term the student was enrolled

Sequence	Length	Start pos	Type	Field description	Valid values
1	8	1	I	NPSAS identifier	8 digit study ID, provided by RTI in the student sample file.
2	50	9	A	Term Name	Term Name (e.g. Fall 2003, Spring 2004)
3	8	59	I	Date term begins	MMDDYYYY
4	8	67	I	Date term ends	MMDDYYYY
5	2	75	I	Term attendance status	-1=Not Declared 1=Full-time 2=Half-time 3=< Half-time
6	3	77	I	Enrolled hours	Number of hours student enrolled, this term. If this school is a clock
7	8	80	N	Tuition amount	Tuition amount for this term

Data File Name: Budget.txt

Contains yes/no type answers regarding whether the students received different types of financial aid, and also the prospective budget information for the students in the sample.

This file should be made up of 1 row per student.

Sequence	Length	Start pos	Type	Field description	Valid values
1	8	1	I	NPSAS identifier	8 digit study ID, provided by RTI in the student sample file.
2	1	9	I	Financial aid budget / EFC information available	1=Yes 0=No
3	1	10	I	Dependency status	1=Dependent 2=Independent
4	1	11	I	Local residence	1=On-Campus or school-owned housing 2=Off-Campus without parents 3=Off-Campus with parents
5	8	12	N	EFC amount	Enter the amount of the Expected Family Contribution
6	1	20	I	Cost of attendance budget available	1=Yes 0=No
7	1	21	I	Budget period	1=Full time, full year 2=Full time, one term 3=Part time, full year 4=Part time, one term 5=Other
8	1	22	A	Line-item or total budget amount	1 = line item budget 2 = total budget amount only. If 2, enter amount in item #15, else list amounts in items 9 - 14.
9	8	23	N	Budget amount for tuition	Please enter the TUITION amount for the budget period
10	8	31	N	Budget amount for books	Please enter the budgeted amount for BOOKS/SUPPLIES for the budget period
11	8	39	N	Budget amount for room and board	Please enter budgeted ROOM and BOARD totals for the budget period
12	8	47	N	Budget amount for transportation	Please enter any budgeted TRANSPORTATION amounts for the budget period
13	8	55	N	Budget amount for computer technology	Please enter any COMPUTER FEES for the budget period
14	8	63	N	Budget amount for other expenses	Please enter any OTHER expenditures for the budget period
15	8	71	N	Total cost of attendance	Please enter the TOTAL budget amount for the budget period
16	8	79	I	State EFC Amount for the state EFC name mentioned below	Please enter this amount here if applicable and the student is an undergraduate

+ State EFC programs	
State	EFC program
State EFC Programs go here.	

Data File Name: Enrollment.txt

Consists of information regarding the sample student's last enrollment status: class level, whether or not they were in a Masters or Doctorate program, whether they have completed their degree requirements, etc. This file should be made up of 1 row per student.

Sequence	Length	Start pos	Type	Field description	Valid values
1	8	1	I	NPSAS identifier	8 digit study ID, provided by RTI in the student sample file.
2	8	9	I	Term Start date for the student's LAST enrolled term	MMDDYYYY
3	8	17	I	Term End date for the student's LAST enrolled term	MMDDYYYY
4	1	25	I	Type of degree program during the last enrolled term	+See Degree program code table
5	1	26	I	Associates degree program	This applies only if the student is enrolled in an Associates degree. 1=AA, AS, general education or transfer program. 2=AAS Occupational or technical program.
6	2	27	I	Master's degree program	* See Masters degree code table - applies only if student is enrolled in a Master's program
7	2	29	I	Doctoral or first professional degree program	** See Doctoral/First professional degree code table - applies only if student is enrolled in a Doctoral or First professional program
8	2	31	I	Student's class level during the last enrolled term	1=1st Year / Freshman 2=2nd Year / Sophomore 3=3rd Year / Junior 4=4th Year / Senior 5=5th Year or Higher Undergraduate 6=Undergraduate (unclassified) 7=Student with Advanced Degree taking Undergraduate Courses 8=First Yr Graduate / professional 9=Second Yr Graduate / professional 10=Third Yr Graduate / professional 11=Beyond Third Yr Graduate / professional
9	6	33	N	Cumulative GPA	0.00 - 4.00 if the Institution is on a 4 point scale 0-100 if the Institution is on a 100-point scale
10	40	39	A	Current major	Enter the student's current major
11	1	79	I	Received baccalaureate degree	1=Yes 0=No This applies to students who are graduates or first professionals

Sequence	Length	Start pos	Type	Field description	Valid values
12	2	110	I	Month the student received the baccalaureate degree	MM - 2 digit number for the month
13	4	112	I	Year the student received the baccalaureate degree	YYYY - 4 digit year
14	1	116	I	Ever enrolled in this institution prior to July 1, 2003	1=Yes 0=No . This applies to only to undergraduate students and graduate students that do not have a baccalaureate degree.
15	2	117	I	First enrolled Month if prior to July 1, 2003	MM - 2 digit number
16	4	119	I	First enrolled Year if prior to July 1, 2003	YYYY - 4 digit year
17	1	123	I	Transferred any credits from another postsecondary institution	1=Yes 0=No This applies to only to undergraduate students and graduate students that do not have a baccalaureate degree.
18	1	124	I	Classified as a first-time, first-year degree-seeking student for IPEDS reporting purposes?	1=Yes 0=No This applies to only to undergraduate students and graduate students that do not have a baccalaureate degree.
19	1	125	I	Expected to Complete degree requirements on or before June 30, 2004	1=Yes 0=No
20	4	126	I	Total clock hours in program - if this is a clock hour only school	Total clock hours in program
21	2	130	I	Clock hours per week required - if this is a clock hour only school	Enter the number of hours (lab and classroom) required per week
22	8	132	N	Tuition total for all terms	If available, enter the total amount of tuition for all terms that the student was enrolled
23	1	140	I	Jurisdiction classification for tuition purposes	1=In jurisdiction (e.g., in-state, in-district, etc.) 2=Out-of-jurisdiction (e.g., out-of-state, out-of-district, etc.)
24	1	141	I	Tuition paid by a state prepaid or savings plan?	1=Yes 0=No ++See the applicable State prepaid or savings plans listed
25	2	142	I	Tuition paid by a state prepaid or savings plan code 1	#See Tuition Savings Plan code table
26	8	144	N	Tuition paid by a state prepaid or savings plan 1 amount	Enter amount received, if applicable

Sequence	Length	Start pos	Type	Field description	Valid values
27	2	152	I	Tuition paid by a state prepaid or savings plan code 2	#See Tuition Savings Plan code table
28	8	154	N	Tuition paid by a state prepaid or savings plan 2 amount	Enter amount received, if applicable
29	8	162	N	Tuition amount paid by a state prepaid or savings plan from another state	Enter amount received, if applicable

+ Degree Program code table Download the degree program codes file here .	
Degree code	Degree program
1	Bachelor's degree
2	Associate's Degree
3	Undergraduate certificate or diploma (occupational or technical program)
4	Undergraduate, not in a degree program
5	Master's degree program
6	First professional degree (includes the following degree programs: Chiropractic, Dentistry, Law, Medicine, Optometry, Osteopathic Medicine, Pharmacy,
7	Doctoral degree program
8	Post-baccalaureate certificate program (including teaching credential)
9	Graduate, not in a degree program
* Masters degree code table Download the Masters codes file here .	
Masters code	Masters degree program
1	Master of Science (MS)
2	Master of Arts (MA)
3	Master of Education (MEd) or Teaching (MAT)
4	Master of Business Administration (MBA)
5	Master of Public Administration (MPA) or Public Policy (MPP)
6	Master of Social Work (MSW)
7	Master of Fine Arts (MFA)
8	Master of Public Health (MPH)
10	Other Master's Degree Not Listed Above
19	Master of Divinity (MDiv)

** Doctoral degree code table Download the Doctoral codes file here .	
Doctoral code	Doctoral degree Program
11	Doctor of Philosophy (PhD)
12	Doctor of Education (EdD)
13	Doctor of Science (Dsc/ScD) or Engineering (DEng)
14	Doctor of Psychology (PsyD)
15	Doctor of Business or Public Administration (DBA, DPA)
16	Doctor of Fine Arts (DFA)
17	Doctor of Theology (ThD)
18	Other Doctoral Degree
19	Ministry or Divinity (MDiv, DMin, MHL, BD, ordination)
20	Law (LLB or JD)
21	Medicine (MD) or Osteopathic Medicine (DO)
22	Dentistry (DDS or DMD)
23	Chiropractic (DC or DCM)
24	Pharmacy (Pharm. D.)
25	Optometry (OD)
26	Podiatry (DPM, DP, PodD)
27	Veterinary Medicine (DVM)
# Tuition Savings Plan code table	
Plan code	Plan description
Customized Tuition Savings plan goes here.	

Data File Name: Aid.txt

Contains financial aid info for federal loans and grants, veterans benefits, research assistantships, Institution based financial aid or state based financial aid the sample students received between July 1st 2003 and June 30th 2004.

This file can contain multiple rows per student.

Sequence	Length	Start pos	Type	Field description	Valid values
1	8	1	I	NPSAS identifier	8 digit study ID, provided by RTI in the student sample file.
2	1	9	N	Specify the type of aid	1=Federal Aid 2=State Aid 3=Institutional Aid 4=Graduate Aid 5=Other Aid
3	8	10	N	Aid code	If Aid type is 1 then - *See the Federal Aid Code Table If Aid type is 2 then - **See State Aid Code Table. If Aid type is 3 then - ***See Institute Aid Code Table. If Aid type is 4 then - +See Graduate Aid Code Table. If Aid type is 5 then - ++See Other Aid Code Table.
4	8	18	N	Aid amount	Enter the amount received. This field should contain no dollar sign, no commas, and no decimals.

* Federal Aid code table Download the Federal Aid codes file here .	
Federal Aid code	Federal Aid Program
1	Pell grant
2	Stafford loan - subsidized (FFEL or Direct)
3	Stafford loan - unsubsidized (FFEL or Direct)
4	PLUS parent loan (FFEL or Direct)
5	Perkins loan
6	Federal SEOG grant
7	Federal work-study (FWS)
8	Robert Byrd honors scholarship
9	Federal health professions loan(Nursing, HPSL, Primary Care, Disadvantaged)
10	Federal health professions disadvantaged student scholarships (SDS)
** State Aid code table	
State Aid code	State Aid Program
Customized state aids go here.	

*** Institute Aid code table	
Institute Aid code	Institute Aid Program
Institute provide Aids / Grants go here.	
1	Grants/scholarships : need based
2	Grants/scholarships : merit based
3	Grants/scholarships : both need and merit
4	Athletic scholarship
5	UG Tuition waivers for faculty/staff, family
6	Tuition waivers and discounts for other undergraduates
7	Undergraduate Institutional loan
8	Undergraduate Institutional work-study
9	Undergraduate resident assistants, tutors, or advisor stipends

+ Graduate Aid code table Download the Graduate aid codes file here .	
Graduate Aid code	Graduate Aid Program
10	Graduate fellowship or scholarship
11	Federal fellowship (NSF, NASA, NIH, USDA, etc.)
12	Federal traineeship
13	Teaching assistantships/stipends
14	Research assistantships/stipends
15	Other graduate assistants, tutors, or readers stipends
16	Tuition waivers for graduate students (including assistants)
17	Tuitions waivers for faculty/staff, spouse or children
18	Institutional work-study
19	Institutional loan

++ Other Aid code table Download the Other aid codes file [here](#).

Other Aid code	Other Aid Program
20	Scholarships/grants from private organizations, foundations, unions
21	Employer paid tuition
22	Veterans benefits
23	ROTC and other grants for Armed Forces personnel
24	WIA, other job training, vocational rehabilitation
25	Bureau of Indian Affairs grants
26	Scholarships/grants from state agencies in other states
27	Private or commercial loans (including TERI, Citi-Assist, Access, Sallie-Mae Signature, etc.)
28	District of Columbia Tuition Assistance Grants (DCTAG or DCCAP)

Data File Name: OtherAid.txt

Contains financial aid info for awards and grants received by the student that are not listed in the Aids.txt file.

This file can contain multiple rows per student.

Sequence	Length	Start pos	Type	Field description	Valid values
1	8	1	I	NPSAS identifier	8 digit study ID, provided by RTI in the student sample file.
2	40	9	A	Name of the other award	Please provide the name of the Aid Award - only aids not listed in the Aid.txt file
3	2	49	I	Type of other award	* See Other Award Type Table
4	1	50	I	Source of the other award	1=Institution 2=State 3=Federal 4=Other 5=Other_G 6=Other_UG
5	8	51	N	Amount of other award	Enter amount received. This field should contain no dollar sign, no commas, and no decimals.

* Other Award Type table. Download the award codes file [here](#).

Award Type code	Award Type Description
1	Grant/scholarship : need-based
2	Grant/scholarship : merit-based
3	Grant/scholarship : both need and merit
4	Tuition waiver
5	Loan
6	Work-study or assistantship
7	Other

Appendix H

Imputations

Table H-1. Rate of missing data before imputation for all variables: 2004

Variable description	Variable name	Percent missing data rate		
		All students	Undergraduate students	Graduate/first-professional students
Carnegie code (2000) for NPSAS institution	CC2000	0.0	0.0	0.0
NPSAS institution control	CONTROL	0.0	0.0	0.0
CADE record available	INCADE	0.0	0.0	0.0
CATI record available	INCATI	0.0	0.0	0.0
CPS record available	INCPS	0.0	0.0	0.0
NPSAS institution state	INSTSTAT	0.0	0.0	0.0
NPSAS institution level	LEVEL	0.0	0.0	0.0
NPSAS institution region	OBereg	0.0	0.0	0.0
NPSAS institution type	SECTOR9	0.0	0.0	0.0
Student type	STYPELST	0.0	0.0	0.0
Age groups as of 12/31/03	AGEGROUP	0.0	0.0	0.0
Gender	GENDER	0.0	0.0	0.0
Age as of 12/31/03	AGE	0.1	0.1	0.1
Veteran status	VETERAN	3.4	2.9	6.9
Dependency status	DEPEND	4.9	5.5	0.0
Student's marital status	SMARITAL	6.2	5.9	8.2
Orphan or ward of court	ORPHAN	5.7	6.4	1.2
Dependents—has dependents	DEPANY	10.7	10.2	14.5
Number in college (independent students)	SINCOL	11.7	11.2	15.5
Dependents—has dependent children	DEPCHILD	14.2	14.1	15.0
Dependents—has dependent other than children	DEPOTHER	14.3	14.2	15.0
Dependents—number of dependent children	DEPNUMCH	17.4	17.5	16.5
Dependent children—age of oldest	DEPOLD	18.2	18.4	17.1
Dependent children—age of youngest	DEPYNG	18.2	18.4	17.1
Citizenship (max non-citizen)	CITIZEN2	1.9	1.9	1.7
Race-ethnicity: Hispanic or Latino origin	HISPANIC	8.6	9.1	5.0
Race—Asian	RAASIAN	9.4	9.9	6.0
Race—Black or African-American	RABLACK	9.4	9.9	6.0
Race—American Indian or Alaska Native	RAINDIAN	9.4	9.9	6.0
Race—Native Hawaiian/other Pacific Islander	RAISLAND	9.4	9.9	6.0
Race—Other	RAOTHER	9.4	9.9	6.0
Race—White	RAWHITE	9.4	9.9	6.0
Race—ethnicity: type of Hispanic origin	HISPTYPE	12.7	13.6	6.4
Monthly enrollment status 2003/07	ENR01	1.2	1.2	0.6
Monthly enrollment status 2003/08	ENR02	1.2	1.2	0.6
Monthly enrollment status 2003/09	ENR03	1.2	1.2	0.6
Monthly enrollment status 2003/10	ENR04	1.2	1.2	0.6
Monthly enrollment status 2003/11	ENR05	1.2	1.2	0.6
Monthly enrollment status 2003/12	ENR06	1.2	1.2	0.6
Monthly enrollment status 2004/01	ENR07	1.2	1.2	0.6
Monthly enrollment status 2004/02	ENR08	1.2	1.2	0.6
Monthly enrollment status 2004/03	ENR09	1.2	1.2	0.6
Monthly enrollment status 2004/04	ENR10	1.2	1.2	0.6
Monthly enrollment status 2004/05	ENR11	1.2	1.2	0.6
Monthly enrollment status 2004/06	ENR12	1.2	1.2	0.6
Number of institutions attended	STUDMULT	13.9	13.8	14.3
Mothers highest education level	PMOMED	13.3	13.1	14.9
Father's highest education level	PDADED	13.3	13.1	14.8
Parent's marital status	PMARITAL	5.6	6.3	0.0
Dependent student's parent's family size	PFAMNUM	5.8	6.6	0.0
Parent's children in college	PINCOL	6.0	6.8	0.0

See notes at end of table.

Appendix H. Imputations

Table H-1. Rate of missing data before imputation for all variables: 2004—Continued

Variable description	Variable name	Percent missing data rate		
		All students	Undergraduate students	Graduate/first-professional students
Dependent parent income derived	DEPINC	33.1	33.1	0.0
Dependent student earnings derived	DSTUINC	33.3	33.3	0.0
Independent student & spouse income derived	INDEPINC	46.3	41.5	64.5
Spouse of student earnings derived	SPSINC	62.6	58.1	77.9
Institutional graduate fellowships	GRINFEL	0.1	0.0	0.9
Federal veteran's and military aid	VADODAMT	0.0	0.0	0.0
Institutional work-study	INSTWRK	2.8	3.1	0.8
Institutional tuition and fee waivers	INSWAIV	7.7	8.1	4.2
Tuition waivers for faculty/staff	EMPLWAIV	7.7	8.2	4.2
Total graduate fellowships/grants/traineeships	GRFELAMT	0.1	0.0	0.8
Graduate other assistantship amount	GRGRDAMT	0.1	0.0	0.9
Research assistantship amount	GRRESAMT	0.1	0.0	1.0
Teaching assistantship amount	GRTEAMT	0.1	0.0	1.0
Federal traineeships	GRTRNAMT	0.1	0.0	0.9
Federal veteran's benefits	VETBEN	0.0	0.0	0.0
Pell grant amount	PELLAMT	0.2	0.2	0.0
Applied for aid	AIDAPP	0.4	0.4	0.4
PLUS loan amount	PLUSAMT	0.4	0.4	0.0
Stafford loan subsidized amount	STAFSUB	0.4	0.4	0.3
Stafford loan unsubsidized amount	STAFUNSB	0.4	0.4	0.3
Perkins loan amount	PERKAMT	1.8	1.8	2.0
Applied for federal aid	FEDAPP	3.3	3.1	4.7
Employer tuition aid (excl staff)	EMPLYAM1	2.8	3.1	0.9
Private sources (alternative) loans	PRIVLOAN	2.9	3.2	0.9
State work-study total	STWKAMT	3.4	3.3	4.2
Total federal work-study	TFEDWRK	3.4	3.3	4.2
Institutional loan	INLNAMT	7.7	8.1	4.2
Institutional merit grants	INSMERIT	7.2	8.1	0.0
Institutional need-based grant	INSTNEED	7.2	8.1	0.0
Other federal grants	OTHFDGRT	7.7	8.1	4.2
State need-based grants	STATNEED	7.7	8.1	4.2
State loan total	STLNAMT	7.7	8.1	4.2
State merit only grants	STMERIT	7.7	8.1	4.2
State non-need grants	STNOND1	7.7	8.1	4.2
State voc rehab and job training (WIA)	VOHELP	7.7	8.1	4.2
FSEOG amount	SEOGAMT	7.2	8.2	0.0
Athletic scholarship	INATHAMT	7.2	8.2	0.0
Employer (parents) tuition aid	EMPLYAM2	32.3	33.6	22.3
Degree program	DEGFIRST	0.0	0.0	0.0
Military service type	MILTYPE	11.7	11.3	15.1
Housing	LOCALRES	15.2	17.3	0.0
Carnegie code (2000) with control	CC2000A	0.0	0.0	0.0
Data sources [1=cati 2=cade 4=cps]	DATASRC	0.0	0.0	0.0
Offered first-professional degree	FPOFFER	0.0	0.0	0.0
Historical Black college indicator	HBCU	0.0	0.0	0.0
Highest level of offering at NPSAS institution	HLOFFER	0.0	0.0	0.0
Positive value in NSLDS 2003–2004 data	INNSLDS	0.0	0.0	0.0
Positive value in Pell data	INPELL	0.0	0.0	0.0
NPSAS institution sector	SECTOR1	0.0	0.0	0.0
Comparable to 1987 NPSAS	COMPTO87	1.2	1.2	0.6
Reason enrolled: complete associate's degree	ATTENDA	40.0	39.9	44.6

See notes at end of table.

Table H-1. Rate of missing data before imputation for all variables: 2004—Continued

Variable description	Variable name	Percent missing data rate		
		All students	Undergraduate students	Graduate/first-professional students
Reason enrolled: complete certificate	ATTENDB	40.0	39.9	44.6
Reason enrolled: job skills	ATTENDC	40.0	39.9	44.6
Reason enrolled: personal interest	ATTENDD	40.0	39.9	44.6
Reason enrolled: transfer to a 2-year college	ATTENDE	40.0	39.9	44.6
Reason enrolled: transfer to a 4-year college	ATTENDF	40.0	39.9	44.6
Reason enrolled: transfer to another college	ATTENDG	40.0	39.9	44.6
Average hours per month performing community service	COMHOUR	63.1	65.3	46.3
Performed a one time event community service	COMONE	58.2	60.3	41.6
Part of undergraduate program or required for graduation	COMREQ	59.7	59.7	0.0
Community service performed last year	COMSERV	35.9	37.4	24.6
Community service performed: fundraising	COMSERVA	57.0	59.1	40.7
Community service performed: homeless shelter/soup kitchen	COMSERVB	57.0	59.1	40.7
Community service performed: hospital/nursing home	COMSERVC	57.0	59.1	40.7
Community service performed: neighborhood improvement	COMSERVD	57.0	59.1	40.7
Community service performed: service to church	COMSERVE	57.0	59.1	40.7
Community service performed: tutoring/mentoring	COMSERVF	57.0	59.1	40.7
Community service performed: work with kids other than tutoring/mentoring	COMSERVG	57.0	59.1	40.7
Community service performed: other	COMSERVX	57.0	59.1	40.7
Considered campus safety before choosing NPSAS	CONSIDRA	38.6	38.6	0.0
Considered graduation rate before choosing NPSAS	CONSIDRB	38.6	38.6	0.0
Considered job placement rate before choosing NPSAS	CONSIDRC	59.3	59.3	0.0
Degree already earned since high school	DEGEARN	31.5	32.8	21.6
Degree already earned: bachelor's degree	DEGEARNA	62.1	72.2	27.3
Degree already earned: associate's degree	DEGEARNB	62.1	72.2	27.3
Degree already earned: undergraduate certificate/diploma	DEGEARNC	62.1	72.2	27.3
Degree already earned: post-BA certificate	DEGEARND	62.1	72.2	27.3
Degree already earned: master's degree	DEGEARNE	62.1	72.2	27.3
Degree already earned: post-MA certificate	DEGEARNF	62.1	72.2	27.3
Degree already earned: first professional degree	DEGEARNG	62.1	72.2	27.3
Degree already earned: doctoral degree	DEGEARNH	62.1	72.2	27.3
Distance education used: live, interactive TV or audio	DELIVE	81.6	82.4	73.1
Distance education used: pre-recorded TV or audio	DERECR	81.6	82.4	73.1
Distance education used: the internet	DEWWW	81.6	82.4	73.1
Disability indicator	DISABLE	35.2	36.6	24.7
Condition that limits physical activities	DISMOBIL	35.1	36.5	24.5
Other condition lasting six months or more	DISOTHER	35.1	36.5	24.6
Difficulty: dressing, bathing, or getting around inside home	DISOTHRA	90.2	90.1	90.9
Difficulty: getting to school to attend class	DISOTHRB	90.2	90.1	90.9
Difficulty: learning, remembering, or concentrating	DISOTHRC	90.2	90.1	90.9
Difficulty: working at a job	DISOTHRD	90.2	90.1	90.9
Have a long-lasting sensory condition	DISSENSR	35.0	36.5	24.5
Distance education: entire program	DISTALL	80.8	81.7	72.0
Distance education: took courses in 2002-2003	DISTEDUC	35.6	37.1	24.4
Distance education: location of courses	DISTLOC	80.9	81.8	72.1
Distance education: number of courses took	DISTNUM	81.5	82.5	72.7
Distance education: satisfaction	DISTSATF	81.0	81.9	72.2
Main type of condition or impairment	DISTYPES	84.5	84.4	84.9
Took remedial course: English (freshman/sophomore)	REMEDIA	79.8	79.8	0.0
Took remedial course: math (freshman/sophomore)	REMEDIB	79.8	79.8	0.0
Took remedial course: reading (freshman/sophomore)	REMEDIC	79.8	79.8	0.0

See notes at end of table.

Table H–1. Rate of missing data before imputation for all variables: 2004—Continued

Variable description	Variable name	Percent missing data rate		
		All students	Undergraduate students	Graduate/first-professional students
Took remedial course: study skills (freshman/sophomore)	REMEDID	79.8	79.8	0.0
Took remedial course: writing (freshman/sophomore)	REMEDIE	79.8	79.8	0.0
Remedial courses: took this school year (freshman/sophomore)	REMETOOK	68.7	68.7	0.0
Remedial courses: ever taken	REMEVER	35.7	35.7	0.0
Service needed: adaptive equipment and technology	SERNEEDA	84.9	84.8	85.2
Service needed: alternative exam format	SERNEEDB	84.9	84.8	85.2
Service needed: courses substitution or waiver	SERNEEDC	84.9	84.8	85.2
Service needed: readers or classroom note takers	SERNEEDD	84.9	84.8	85.2
Service needed: registration assistance	SERNEEDE	84.9	84.8	85.2
Service needed: sign language or oral interpreters	SERNEEDF	85.0	85.0	85.3
Service needed: tutors to assist with ongoing homework	SERNEEDG	84.9	84.8	85.2
Service needed: other	SERNEEDX	84.9	84.8	85.2
Service received: adaptive equipment and technology	SERRECVA	84.6	84.6	85.0
Service received: alternative exam format	SERRECVB	84.6	84.6	85.0
Service received: courses substitution or waiver	SERRECVC	84.6	84.6	85.0
Service received: readers or classroom note takers	SERRECVD	84.6	84.6	85.0
Service received: registration assistance	SERRECVE	84.6	84.6	85.0
Service received: sign language or oral interpreters	SERRECVF	84.6	84.6	85.0
Service received: tutors to assist with ongoing homework	SERRECVG	84.6	84.6	85.0
Service received: other	SERRECVX	84.6	84.6	85.0
Currently receiving SSI or SSDI	SSISSDI	84.5	84.5	84.8
Ever applied for vocational rehabilitation services	VOCAPPLY	86.7	86.7	86.5
Ever received vocational rehabilitation services	VOCRECV	84.5	84.4	84.8
Ever vote	VOTEEVER	35.8	37.0	25.6
Registered to vote	VOTEREG	35.8	37.1	25.7
Balance due on all credit cards	CRBALDUE	75.2	75.2	0.0
Have dependent children in daycare	DEPCARE	40.2	41.9	27.8
Monthly daycare costs	DEPCOST	66.3	68.0	51.4
Ever attend community college	EVER2PUB	35.0	37.5	22.9
Ever attend 4-year institution	EVER4YR	39.8	39.8	0.0
Graduate assistantship: included health insurance	GAINSUR	17.2	0.0	17.2
Graduate TA duties: answered student email	GRADTAA	18.1	0.0	18.1
Graduate TA duties: assisted grading	GRADTAB	18.1	0.0	18.1
Graduate TA duties: assumed teaching responsibility	GRADTAC	18.1	0.0	18.1
Graduate TA duties: held office hours	GRADTAD	18.1	0.0	18.1
Graduate TA duties: lead discussion sections	GRADTAE	18.1	0.0	18.1
Graduate TA duties: supervised lab hours	GRADTAF	18.1	0.0	18.1
Highest level of education ever expected	HIGHLVEX	36.6	37.3	28.1
Institution distance from home	HOMEDIST	38.8	40.2	28.0
Assets: parents own home	HOMEPAR	34.9	34.9	0.0
Assets: student owns home	HOMESTUD	47.0	51.7	33.0
Can afford school without working (student)	JOB AFFOR	53.8	53.7	55.3
Job related to coursework (non-degree)	JOBCLASS	45.8	45.5	52.5
Earnings from work while enrolled (excl work-study)	JOB EARN	49.0	49.8	41.8
Job effect: helped with career preparation (student)	JOB EFFA	53.7	53.6	55.2
Job effect: helped with coursework (student)	JOB EFFB	53.7	53.6	55.2
Job effect: restricted class choice (student)	JOB EFFC	53.7	53.6	55.2
Job effect: limited class schedule (student)	JOB EFFD	53.7	53.6	55.2
Job effect: limited facility access (student)	JOB EFFE	53.7	53.6	55.2
Job effect: limited number of classes (student)	JOB EFFF	53.7	53.6	55.2

See notes at end of table.

Table H-1. Rate of missing data before imputation for all variables: 2004—Continued

Variable description	Variable name	Percent missing data rate		
		All students	Undergraduate students	Graduate/first-professional students
Type of employer	JOBEMPL	45.1	46.2	35.9
Parents expected to have a job (student)	JOBEXPT	51.7	51.7	0.0
Hours worked per week (excluding work-study)	JOBHOUR	43.7	44.6	36.4
Main reason for working (student)	JOBMAIN	53.7	53.6	55.3
Job related to major (degree)	JOBMAJOR	51.0	53.2	33.9
Number of jobs during NPSAS year	JOBNUM	32.7	34.0	23.1
Job located primarily on or off campus	JOBONOFF	43.7	44.8	34.9
Have job prior to enrollment at NPSAS	JOBPRIOR	43.8	44.8	35.0
Primary role, student or employee	JOBROLE	42.6	43.5	34.4
Summer savings	JOBSAVE	47.1	47.1	0.0
Combine school and work: took class outside work (employee)	JOBSCHA	69.8	72.7	48.9
Combine school and work: took distance education (employee)	JOBSCHB	69.8	72.7	48.9
Combine school and work: modify work schedule (employee)	JOBSCHC	69.8	72.7	48.9
Summer job	JOBSUMMR	37.3	37.3	0.0
Weeks worked while enrolled	JOBWEEK	43.7	44.7	35.2
Field of study/major (detailed)	MAJORS	10.7	12.0	1.1
Number of credit cards in own name	NUMCRED	34.7	34.7	0.0
Monthly allowance amount from parents	PARALLOW	25.6	27.0	0.0
Help from parents: pay housing	PARHELPA	32.7	32.7	0.0
Help from parents: pay education expenses other than tuition	PARHELPA	32.7	32.7	0.0
Help from parents: pay living expenses other than housing	PARHELPC	32.7	32.7	0.0
Help from parents: pay tuition and fees	PARHELPC	32.7	32.7	0.0
Lived with parents while not enrolled	PARHELPD	30.7	30.7	0.0
Parents help pay credit bills	PARLIVE	51.6	51.6	0.0
Payoff or carry credit balance	PARPAYCR	51.7	51.7	0.0
Use credit to pay for tuition	PAYOFBAL	51.5	51.5	0.0
Primary language	PAYTUIT	35.8	37.3	24.6
Race—American Indian or Alaska Native recognized tribe	PRIMLANG	37.8	38.3	32.1
Siblings attended college before	RAINDTRB	35.0	35.0	0.0
School job: part of community service project	SIBCOLB4	33.4	33.4	0.0
School job: hours per week	SJCOMSER	21.0	20.5	22.2
School job: related to major	SJHOURS	34.4	34.4	0.0
School job: located primarily on or off campus	SJMAJOR	34.3	34.3	0.0
School job: for NPSAS or another institution/organization	SJONOFF	34.4	34.4	0.0
School job: involved with literacy education or tutoring	SJSCHOOL	33.3	33.3	0.0
Spouse attending college	SJTUTOR	33.3	37.3	21.3
Associate degree type	SPINCOL	2.6	2.6	0.0
Received untaxed benefits in 2003	UGDEGAA	36.2	39.8	24.3
Received untaxed benefits: child support	UNTAXBF	70.7	70.3	74.6
Received untaxed benefits: disability payments	UNTAXBFA	79.6	78.4	87.2
Received untaxed benefits: food stamps	UNTAXBFB	79.6	78.4	87.2
Received untaxed benefits: social security benefits	UNTAXBFC	79.8	78.6	87.4
Received untaxed benefits: TANF	UNTAXBFD	70.7	70.3	74.6
Received untaxed benefits: worker's compensation	UNTAXBFE	79.6	78.4	87.2
Student was born in the United States	UNTAXBFF	35.6	36.9	25.1
Year began graduate school	USBORN	22.0	0.0	22.0
Year received bachelor's degree	YEARGRAD	19.3	0.0	19.3
Grade point average	BAYEAR	12.8	12.8	0.0
Graduate class level	GPA	3.9	0.0	3.9
Year began graduate degree	GRADLVL	24.5	0.0	24.5
Graduate enrollment status (all years)	GRADPYR	21.7	0.0	21.7
	GRENRST			

See notes at end of table.

Table H-1. Rate of missing data before imputation for all variables: 2004—Continued

Variable description	Variable name	Percent missing data rate		
		All students	Undergraduate students	Graduate/first-professional students
High school degree type	HSDEG	9.7	9.7	0.0
High school graduation year	HSGRADYY	13.5	13.5	0.0
Student's parents were born in the United States	PARBORN	36.1	37.6	24.8
Year first enrolled in postsecondary education	PSECTYR	24.0	24.0	0.0
Type of class: business	CLASSA	46.2	46.0	47.6
Type of class: health	CLASSB	46.2	46.0	47.6
Type of class: education	CLASSC	46.2	46.0	47.6
Type of class: engineering and engineering technology	CLASSD	46.2	46.0	47.6
Type of class: computer and information sciences	CLASSE	46.2	46.0	47.6
Type of class: social sciences	CLASSF	46.2	46.0	47.6
Type of class: natural sciences and mathematics	CLASSG	46.2	46.0	47.6
Type of class: arts and humanities	CLASSH	46.2	46.0	47.6
Type of class: communications	CLASSI	46.2	46.0	47.6
Type of class: vocational program	CLASSJ	46.2	46.0	47.6
Type of classes: university transfer	CLASSK	46.2	46.0	47.6
Type of classes: general education	CLASSL	46.2	46.0	47.6
Type of class: other	CLASSX	46.2	46.0	47.6
Claimed as a dependent	DEPCLAIM	32.7	32.7	0.0
Ever attended elementary or secondary school outside the U.S.	FORESCH	36.2	36.2	0.0
Tuition paid by assistantship	GRASTUIT	20.2	0.0	20.2
Type of high school attended	HSTYPE	34.8	34.8	0.0
Effect of job on grades	JOBEFFGR	35.3	35.9	26.8
NPSAS was first school attended after high school	NPFIRST	34.0	34.0	0.0
Own investments, business or farm over \$10,000	OWNINVST	46.7	50.7	33.0
Parents taking college courses in 2003-2004	PARCOLL	35.0	35.0	0.0
Parents own other real estate	PARESTA	35.8	35.8	0.0
Claim Federal Hope scholarship	TAXHOPE	38.0	38.9	31.8
Claim lifetime learning tax credit	TAXLEARN	37.7	38.8	29.2
Claim tuition tax deduction	TAXTUIT	36.9	38.2	27.9
Transferred credits to NPSAS	TRANSCRD	68.5	68.5	0.0
Transferred from NPSAS	TRANSFR	58.7	58.7	0.0
Plan to transfer from NPSAS	TRANSPLN	51.9	51.9	0.0
Transferred to NPSAS	TRANSTO	43.4	43.4	0.0

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004 National Postsecondary Student Aid Study (NPSAS:04).

Table H-2. Pre- versus post-imputation frequency distribution for eight select variables: 2004

Variable	Percent		
	Pre-imputation frequency	Post-imputation frequency	Difference pre-post
Dependency status			
Dependent	43.5	45.9	-2.4
Independent	56.5	54.1	2.4
Dependents—has dependent children			
No	77.6	75.6	1.9
Yes	22.4	24.4	-1.9
Dependents—has dependents			
No dependents	73.9	73.7	0.1
Has dependents	26.1	26.3	-0.1
Mother's highest education level			
Do not know	4.3	3.9	0.4
Did not complete high school	10.7	9.8	0.9
High school diploma or equivalent	38.0	35.0	3.0
Vocational or technical training	4.0	3.7	0.3
Less than 2 years of college	6.2	6.9	-0.7
Associate's degree	7.1	7.9	-0.9
Two or more years of college but no degree	3.7	4.1	-0.4
Bachelor's degree	16.1	17.9	-1.8
Master's degree or equivalent	8.1	8.8	-0.7
First-professional degree	0.8	0.8	0.0
Doctoral degree	1.1	1.2	-0.1
Number of institutions attended			
One institution attended	87.3	87.5	-0.2
Two institutions attended	11.8	11.6	0.2
Three institutions attended	0.8	0.8	0.0
Four institutions attended	0.1	0.1	0.0
Five institutions attended	0.0	0.0	0.0
Military service type			
No military service	95.3	95.4	-0.1
Active duty	0.5	0.5	-0.1
Reserves	1.0	1.1	-0.1
Veteran	3.2	3.0	0.3
Number of family members in college (independent)			
No family members in college	47.7	45.9	1.7
One family member in college	45.3	46.5	-1.2
Two family members in college	6.2	6.6	-0.4
Three family members in college	0.7	0.8	-0.1
Four family members in college	0.1	0.1	0.0
Five family members in college	0.0	0.0	0.0
Six family members in college	0.0	0.0	0.0
Disability			
No disability	90.1	89.7	0.4
Disabled	9.9	10.3	-0.4

¹ Difference = (Pre-Post)/Pre.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004 National Postsecondary Student Aid Study (NPSAS:04).

Appendix I

Analysis Variables

Table I-1. Analysis variables: 2004

Variable name	Prefix	Label
STUDTYPE	A_Student_Type_Indicator	NPSAS:04 Student type
AIDAPP	Aid_Application	Applied for any aid
FEDAPP	Aid_Application	Applied for federal aid
ANYFEDND	Aid_Federal	Federal need-based aid flag
CAMPAMT	Aid_Federal	Federal campus-based aid (Perkins, SEOG, FWSP)
FEDNEED	Aid_Federal	Federal need-based aid
TFEDAID	Aid_Federal	Total federal aid (excludes VA/DOD)
TFEDAID2	Aid_Federal	Total federal aid (includes VA/DOD)
TFEDWRK	Aid_Federal	Federal Work-study
TITIVAMT	Aid_Federal	Total federal Title IV aid
ANYGTRN	Aid_Federal_Grants	Graduate traineeship flag
ANYPELL	Aid_Federal_Grants	Pell grant flag
GRTRNAMT	Aid_Federal_Grants	Traineeship amount
OTHFDGRT	Aid_Federal_Grants	Other federal grants (not Title IV)
PELLAMT	Aid_Federal_Grants	Federal Pell Grant
PLNPSAS	Aid_Federal_Grants	NPSAS school Pell indicator
SEOGAMT	Aid_Federal_Grants	Federal SEOG grant
TFEDGRT	Aid_Federal_Grants	Total federal grants
ANYSTAF	Aid_Federal_Loans	Stafford loan flag
DIRECTLN	Aid_Federal_Loans	Stafford loan-Direct or FFELP program indicator
FEDCUM1	Aid_Federal_Loans	Cumulative federal loans-undergraduate
FEDCUM2	Aid_Federal_Loans	Cumulative federal loans-graduate/first-professional
FEDCUM3	Aid_Federal_Loans	Cumulative federal loans-total
FEDOWE1	Aid_Federal_Loans	Amount still owed on all undergraduate federal loans
FEDOWE2	Aid_Federal_Loans	Amount still owed on all graduate federal loans
FEDOWE3	Aid_Federal_Loans	Amount still owed on all federal loans
LNNPSAS	Aid_Federal_Loans	NPSAS school loan indicator
PERKAMT	Aid_Federal_Loans	Perkins loan
PERKCUM1	Aid_Federal_Loans	Cumulative Perkins loans-undergraduate
PERKCUM2	Aid_Federal_Loans	Cumulative Perkins loans-graduate/first-professional
PERKCUM3	Aid_Federal_Loans	Cumulative Perkins loans-total
PHSLOAN	Aid_Federal_Loans	Federal health professions loans
PLUSAMT	Aid_Federal_Loans	PLUS loan total
PLUSCUM	Aid_Federal_Loans	Cumulative PLUS loans
STAFCT1	Aid_Federal_Loans	Stafford subsidized maximum categories
STAFCT2	Aid_Federal_Loans	Stafford total maximum categories
STAFFAMT	Aid_Federal_Loans	Stafford total subsidized + unsubsidized
STAFSUB	Aid_Federal_Loans	Stafford subsidized total
STAFTYPE	Aid_Federal_Loans	Stafford loan types received
STAFUNSB	Aid_Federal_Loans	Stafford unsubsidized total
STFCUM1	Aid_Federal_Loans	Cumulative Stafford loans-undergraduate
STFCUM2	Aid_Federal_Loans	Cumulative Stafford loans-graduate/first-professional
STFCUM3	Aid_Federal_Loans	Cumulative Stafford loans-total
SUBLOAN	Aid_Federal_Loans	Federal subsidized loans (Stafford & Perkins)
T4LNAMT1	Aid_Federal_Loans	Title IV loans (except PLUS)
T4LNAMT2	Aid_Federal_Loans	Title IV loans (includes PLUS)
TFEDLN	Aid_Federal_Loans	Total federal loans (excludes PLUS)
TFEDLN2	Aid_Federal_Loans	Total federal loans (includes PLUS)
ANYFED	Aid_Federal_Total	Federal any aid flag
ANYGFEL	Aid_Grants	Graduate fellowship flag
EMPLYAMT	Aid_Grants	Employer aid (includes college staff)
GRFELAMT	Aid_Grants	Total graduate fellowships, grants, traineeships, waivers
MERITAMT	Aid_Grants	Total merit-only grants
INLNAMT	Aid_Institutional	Institutional loans
INSTAMT	Aid_Institutional	Institutional aid total

See notes at end of table.

Table I-1. Analysis variables: 2004—Continued

Variable name	Prefix	Label
INSTWRK	Aid_Institutional	Institutional work-study
ANYINSTG	Aid_Institutional_Grants	Institution grant flag
EMPLWAIV	Aid_Institutional_Grants	Institutional tuition waivers for staff
GRINFEL	Aid_Institutional_Grants	Institutional graduate fellowship amount
INATHAMT	Aid_Institutional_Grants	Athletic scholarships
INGRTAMT	Aid_Institutional_Grants	Institutional grants total
INSMERIT	Aid_Institutional_Grants	Institutional merit-only grants
INSTNEED	Aid_Institutional_Grants	Institutional need-based grants
INSTNOND	Aid_Institutional_Grants	Institutional no-need & merit grants
INSWAIV	Aid_Institutional_Grants	Institutional tuition & fee waivers
ANYGAST	Aid_Institutional_Other	Graduate any assistantship flag
ANYGDA	Aid_Institutional_Other	Graduate other assistantship flag
ANYGRA	Aid_Institutional_Other	Graduate research assistantship flag
ANYGTA	Aid_Institutional_Other	Graduate teaching assistantship flag
GRASTAMT	Aid_Institutional_Other	Total assistantships amount
GRGRDAMT	Aid_Institutional_Other	Other graduate assistantship amount
GRRESAMT	Aid_Institutional_Other	Research assistantship amount
GRTEAAMT	Aid_Institutional_Other	Teaching assistantship amount
ANYINWK	Aid_Institutional_Work	Work-study (institution) flag
UNSBLOAN	Aid_Loans	Total unsubsidized loans (all sources)
AIDSNEED	Aid_Need	Aid amount exceeding federal need
EFC	Aid_Need	Expected Family Contribution (EFC composite)
EFC1	Aid_Need	EFC as reported (Pell, CPS, CADE)
EFCOID	Aid_Need	Aid subject to federal EFC limitation
SNEED1	Aid_Need	Student budget minus EFC
SNEED2	Aid_Need	Student budget minus EFC minus total aid
SNEED3	Aid_Need	Student budget minus EFC minus federal grants
SNEED4	Aid_Need	Student budget minus EFC minus grants + federal need aid
SNEED5	Aid_Need	Student budget minus EFC minus all grants
SNEED7	Aid_Need	Student budget minus EFC, federal & state grants
NETCST1	Aid_Net Price	Student budget minus all aid
NETCST10	Aid_Net Price	Tuition and fees minus federal grants
NETCST12	Aid_Net Price	Tuition and fees minus state grants
NETCST13	Aid_Net Price	Tuition and fees minus institutional grants
NETCST14	Aid_Net Price	Tuition and fees minus all non-federal grants
NETCST15	Aid_Net Price	Tuition and fees minus state + institutional grants
NETCST16	Aid_Net Price	Student budget minus federal and state grants
NETCST17	Aid_Net Price	Student budget minus all grants and loans
NETCST18	Aid_Net Price	Student budget minus all aid except work-study
NETCST2	Aid_Net Price	Student budget minus federal grants
NETCST3	Aid_Net Price	Student budget minus all grants
NETCST4	Aid_Net Price	Student budget minus grants and half of loans
NETCST9	Aid_Net Price	Tuition and fees minus all grants
ANYVET	Aid_Outside	Veterans benefits flag
OTHRSCR	Aid_Outside	Outside sources total
OTHTYPE	Aid_Outside	Total other type of aid (PLUS, job training, assistantships, VA/DOD)
PRIVAMT	Aid_Outside	Total private sources grants and loans
PRIVLOAN	Aid_Outside	Private (alternative) loans
VADODAMT	Aid_Outside	Veteran's benefits and DOD
VETBEN	Aid_Outside	Veteran's benefits
ANYEMP	Aid_Outside_Grants	Employer aid flag
ANYPEMP	Aid_Outside_Grants	Parent employer aid flag
ANYPRVGT	Aid_Outside_Grants	Private grant flag
EMPLYAM1	Aid_Outside_Grants	Employer aid (student)

See notes at end of table.

Table I-1. Analysis variables: 2004—Continued

Variable name	Prefix	Label
EMPLYAM2	Aid_Outside_Grants	Employer aid (parents)
EMPLYAM3	Aid_Outside_Grants	Employer aid (student & parents)
OTHGTAMT	Aid_Outside_Grants	Outside grants (private & employer)
PRIVAIID	Aid_Outside_Grants	Private sources grants
ANYPRVLN	Aid_Outside_Loans	Private loan flag
AIDSRC	Aid_Package	Aid package by source of aid
AIDTYPE	Aid_Package	Aid package by type of aid
FEDLNPAK	Aid_Package	Federal loan package by type of loan
FEDPACK	Aid_Package	Federal aid package by type of aid
GLOANSRC	Aid_Package	Loan package by source of loan for graduate students
GRNTSRC	Aid_Package	Grant package by source of grant
INSTPACK	Aid_Package	Aid package with institutional aid
LOANSRC	Aid_Package	Loan package by source of loan
PELLPACK	Aid_Package	Aid package with Pell grants
AIDCST	Aid_Ratio	Ratio of total aid to student budget
FEDGRPCT	Aid_Ratio	Ratio of federal grants to total aid
FEDPCT	Aid_Ratio	Ratio of federal aid to total aid
GRTCST	Aid_Ratio	Ratio of grant aid to student budget
GRTLOAN	Aid_Ratio	Ratio of grants to total loans
GRTPCT	Aid_Ratio	Ratio of grants to total aid
GRTPCTTN	Aid_Ratio	Ratio of grant aid to tuition
GRTRATIO	Aid_Ratio	Ratio of grants to grants and loans
INSTGPCT	Aid_Ratio	Ratio of institutional grants to total aid
INSTPCT	Aid_Ratio	Ratio of institution aid to total aid
LOANCST	Aid_Ratio	Ratio of loans to student budget (excludes PLUS)
LOANCST2	Aid_Ratio	Ratio of loans to student budget (includes PLUS)
LOANPCT	Aid_Ratio	Ratio of loans to total aid (excludes PLUS)
LOANPCT2	Aid_Ratio	Ratio of loans to total aid (includes PLUS)
PELLCST	Aid_Ratio	Ratio of Pell grant to student budget
PELLRAT1	Aid_Ratio	Ratio of Pell grant to total aid
PELLRAT2	Aid_Ratio	Ratio of Pell grant to total grants
PLUSPCT	Aid_Ratio	Ratio of PLUS loan to total aid
STAPCT	Aid_Ratio	Ratio of state aid to total aid
STGRPCT	Aid_Ratio	Ratio of state grants to total aid
WORKPCT	Aid_Ratio	Ratio of work-study to total aid
STATEAMT	Aid_State	State aid total
STLNAMT	Aid_State	State loans
ANYSTGRT	Aid_State_Grants	State grant flag
MNAFR	Aid_State_Grants	Minnesota Assigned Family Responsibility
NYNTB	Aid_State_Grants	New York net taxable balance
NYSCHD	Aid_State_Grants	New York TAP award schedule
STATNEED	Aid_State_Grants	State-need-based grants
STATNOND	Aid_State_Grants	State non-need & merit grants
STGTAMT	Aid_State_Grants	State grants total
STMERIT	Aid_State_Grants	State merit-only grants
STNOND1	Aid_State_Grants	State non-need grants
STWKAMT	Aid_State_Other	State work-study
VOCHELP	Aid_State_Other	Vocational rehabilitation and training
ANYWKST	Aid_Total	Work-study job flag
TNFEDAID	Aid_Total	Total non-federal aid
TOTAID	Aid_Total	Aid total amount
TOTAID2	Aid_Total	Total federal (Title IV), state, & institutional aid
TOTAID4	Aid_Total	Total aid excluding PLUS
TOTAID5	Aid_Total	Total aid excluding work-study
TOTWKST	Aid_Total	Total work-study

See notes at end of table.

Table I-1. Analysis variables: 2004—Continued

Variable name	Prefix	Label
NEEDAID	Aid_Total_Grants	Total need-based grant aid
TNFEDGRT	Aid_Total_Grants	Total non-federal grants
TOTGRT	Aid_Total_Grants	Total grants
BORAMT1	Aid_Total_Loans	Cumulative borrowed for undergraduate education
BORAMT2	Aid_Total_Loans	Cumulative borrowed for graduate education
BORAMT3	Aid_Total_Loans	Cumulative borrowed for education
OWEAMT1	Aid_Total_Loans	Amount still owed on all undergraduate education loans
OWEAMT2	Aid_Total_Loans	Amount still owed on all graduate education loans
OWEAMT3	Aid_Total_Loans	Amount still owed on all education loans
TNFEDLN	Aid_Total_Loans	Total non-federal loans
TOTLOAN	Aid_Total_Loans	Total loans (excluding PLUS)
TOTLOAN2	Aid_Total_Loans	Total loans (including PLUS)
AGE	Background_Demographics	Age as of 12/31/03
AGEGROUP	Background_Demographics	Age groups as of 12/31/03
AGEPSE	Background_Demographics	Age at start of postsecondary education
CITIZEN2	Background_Demographics	Citizenship
DELAYENR	Background_Demographics	Delayed enrollment into PSE- number of years
DEPEND	Background_Demographics	Dependency status
DEPEND2	Background_Demographics	Dependency status (3 categories)
DEPEND4	Background_Demographics	Dependency status (4 categories)
DEPEND5A	Background_Demographics	Dependency and marital status (separated=married)
DEPEND5B	Background_Demographics	Dependency and marital status (separated=unmarried)
GENDER	Background_Demographics	Gender
HISPANIC	Background_Demographics	Race-ethnicity: Hispanic or Latino origin
HISPTYPE	Background_Demographics	Race-ethnicity: Type of Hispanic origin
IMMIGRA	Background_Demographics	Immigrant status
ORPHAN	Background_Demographics	Orphan or ward of court
PRIMLANG	Background_Demographics	English is the primary language
RAASIAN	Background_Demographics	Race--Asian
RABLACK	Background_Demographics	Race—Black or African-American
RACE	Background_Demographics	Race-ethnicity (with multiple)
RACECEN	Background_Demographics	Race: census categories
RAINDIAN	Background_Demographics	Race—American Indian or Alaska Native
RAINDTRB	Background_Demographics	Race—American Indian or Alaska Native recognized tribe
RAISLAND	Background_Demographics	Race—Native Hawaiian/other Pacific Islander
RAOTHER	Background_Demographics	Race—Other
RAWHITE	Background_Demographics	Race—White
RISKINDX	Background_Demographics	Index of risk
SINGLPAR	Background_Demographics	Single-parent independent students
SMARITAL	Background_Demographics	Student's marital status
USBORN	Background_Demographics	Student was born in the United States
DISABLE	Background_Disabilities	Disability indicator
DISMOBIL	Background_Disabilities	Condition that limits physical activities
DISOTHER	Background_Disabilities	Other condition lasting six months or more
DISOTHRB	Background_Disabilities	Difficulty: dressing, bathing, or getting around inside home
DISOTHRB	Background_Disabilities	Difficulty: getting to school to attend class
DISOTHRB	Background_Disabilities	Difficulty: learning, remembering, or concentrating
DISOTHRD	Background_Disabilities	Difficulty: working at a job
DISSENSR	Background_Disabilities	Have a long-lasting sensory condition
DISTYPES	Background_Disabilities	Main type of condition or impairment
SERNEEDA	Background_Disabilities	Service needed: adaptive equipment and technology
SERNEEDB	Background_Disabilities	Service needed: alternative exam format
SERNEEDC	Background_Disabilities	Service needed: course substitution or waiver
SERNEEDD	Background_Disabilities	Service needed: readers or classroom note takers
SERNEEDE	Background_Disabilities	Service needed: registration assistance

See notes at end of table.

Table I-1. Analysis variables: 2004—Continued

Variable name	Prefix	Label
SERNEEDF	Background_Disabilities	Service needed: sign language or oral interpreters
SERNEEDG	Background_Disabilities	Service needed: tutors to assist with ongoing homework
SERNEEDX	Background_Disabilities	Service needed: other
SERRECVA	Background_Disabilities	Service received: adaptive equipment and technology
SERRECVB	Background_Disabilities	Service received: alternative exam format
SERRECVC	Background_Disabilities	Service received: courses substitution or waiver
SERRECVD	Background_Disabilities	Service received: readers or classroom note takers
SERRECVE	Background_Disabilities	Service received: registration assistance
SERRECVF	Background_Disabilities	Service received: sign language or oral interpreters
SERRECVG	Background_Disabilities	Service received: tutors to assist with ongoing homework
SERRECVX	Background_Disabilities	Service received: other
SSISSDI	Background_Disabilities	Currently receiving SSI or SSDI
VOCAPPLY	Background_Disabilities	Ever applied for vocational rehabilitation services
VOCRECV	Background_Disabilities	Ever received vocational rehabilitation services
DEPANY	Background_Family	Dependents - has dependents
DEPCARE	Background_Family	Dependent children in daycare
DEPCHILD	Background_Family	Dependents - has dependent children
DEPCOST	Background_Family	Monthly daycare costs
DEPNUM	Background_Family	Dependents - total number
DEPNUMCH	Background_Family	Dependents - number of dependent children
DEPOLD	Background_Family	Dependent children - age of oldest
DEPOTHER	Background_Family	Dependents - has dependent other than children
DEPTYPE	Background_Family	Dependents - types of dependents
DEPYNG	Background_Family	Dependent children - age of youngest
HSIZE	Background_Family	Family size (dependent & independent)
SFAMNUM	Background_Family	Family size (independent)
SINCOL	Background_Family	Number of family members in college (independent)
SPINCOL	Background_Family	Spouse attending college
LOCALRES	Background_Residence	Housing
PARLIVE	Background_Residence	Lived with parents while not enrolled
STUSTATE	Background_Residence	State of legal residence (student)
GAINSUR	Education_Assistantship	Graduate assistantship: included health insurance
GRADTAA	Education_Assistantship	Graduate TA duties: answered student e-mail
GRADTAB	Education_Assistantship	Graduate TA duties: assisted grading
GRADTAC	Education_Assistantship	Graduate TA duties: assumed teaching responsibility
GRADTAD	Education_Assistantship	Graduate TA duties: held office hours
GRADTAE	Education_Assistantship	Graduate TA duties: led discussion sections
GRADTAF	Education_Assistantship	Graduate TA duties: supervised lab hours
DEGEARN	Education_Attainment	Degree already earned since high school
DEGEARNA	Education_Attainment	Degree already earned: bachelor's degree
DEGEARNB	Education_Attainment	Degree already earned: associate's degree
DEGEARNC	Education_Attainment	Degree already earned: undergraduate certificate/diploma
DEGEARND	Education_Attainment	Degree already earned: post-BA certificate
DEGEARNE	Education_Attainment	Degree already earned: master's degree
DEGEARNF	Education_Attainment	Degree already earned: post-MA certificate
DEGEARNG	Education_Attainment	Degree already earned: first professional degree
DEGEARNH	Education_Attainment	Degree already earned: doctoral degree
ATTEND	Education_Attendance	Attendance intensity in fall
ATTEND2	Education_Attendance	Attendance intensity in fall (half-time)
ATTNPT	Education_Attendance	Attendance intensity (half-time)
ATTNPTRN	Education_Attendance	Attendance intensity (all schools)
ATTNSTAT	Education_Attendance	Attendance pattern
BAYEAR	Education_Attendance	Year received bachelor's degree
E01	Education_Attendance	Monthly enrollment status 2003/07
E02	Education_Attendance	Monthly enrollment status 2003/08

See notes at end of table.

Table I-1. Analysis variables: 2004—Continued

Variable name	Prefix	Label
E03	Education_Attendance	Monthly enrollment status 2003/09
E04	Education_Attendance	Monthly enrollment status 2003/10
E05	Education_Attendance	Monthly enrollment status 2003/11
E06	Education_Attendance	Monthly enrollment status 2003/12
E07	Education_Attendance	Monthly enrollment status 2004/01
E08	Education_Attendance	Monthly enrollment status 2004/02
E09	Education_Attendance	Monthly enrollment status 2004/03
E10	Education_Attendance	Monthly enrollment status 2004/04
E11	Education_Attendance	Monthly enrollment status 2004/05
E12	Education_Attendance	Monthly enrollment status 2004/06
ENLEN	Education_Attendance	Number of months enrolled
ENR01	Education_Attendance	Monthly enrollment status 2003/07
ENR02	Education_Attendance	Monthly enrollment status 2003/08
ENR03	Education_Attendance	Monthly enrollment status 2003/09
ENR04	Education_Attendance	Monthly enrollment status 2003/10
ENR05	Education_Attendance	Monthly enrollment status 2003/11
ENR06	Education_Attendance	Monthly enrollment status 2003/12
ENR07	Education_Attendance	Monthly enrollment status 2004/01
ENR08	Education_Attendance	Monthly enrollment status 2004/02
ENR09	Education_Attendance	Monthly enrollment status 2004/03
ENR10	Education_Attendance	Monthly enrollment status 2004/04
ENR11	Education_Attendance	Monthly enrollment status 2004/05
ENR12	Education_Attendance	Monthly enrollment status 2004/06
ENRFALL	Education_Attendance	Enrolled from July through Dec in 2003
ENRSPR	Education_Attendance	Enrolled from Jan through June in 2004
ENRSTAT	Education_Attendance	Enrollment pattern
EVER2PUB	Education_Attendance	Ever attend community college
EVER4YR	Education_Attendance	Ever attend 4-year institution
GRADGAP	Education_Attendance	Years between BA and graduate school
GRADPYR	Education_Attendance	Year began graduate degree
GRENIRST	Education_Attendance	Graduate enrollment status (all years)
MFT	Education_Attendance	Months enrolled full-time
MHT	Education_Attendance	Months enrolled half-time
MLT	Education_Attendance	Months enrolled less than half time
MPT	Education_Attendance	Months enrolled part-time
PSECTYR	Education_Attendance	Year first enrolled in postsecondary education
STUDMULT	Education_Attendance	Number of institutions attended
DELIVE	Education_Courses	Distance education used: live, interactive TV or audio
DERECR	Education_Courses	Distance education used: pre-recorded TV or audio
DEWWW	Education_Courses	Distance education used: the internet
DISTALL	Education_Courses	Distance education: entire program
DISTEDUC	Education_Courses	Distance education: took courses in 2003-2004
DISTLOC	Education_Courses	Distance education: location of courses
DISTNUM	Education_Courses	Distance education: number of courses took
DISTSATF	Education_Courses	Distance education: satisfaction
REMEDIA	Education_Courses	Took remedial course: English (freshman/sophomore)
REMEDIB	Education_Courses	Took remedial course: math (freshman/sophomore)
REMEDIC	Education_Courses	Took remedial course: reading (freshman/sophomore)
REMEDID	Education_Courses	Took remedial course: study skills (freshman/sophomore)
REMEDIE	Education_Courses	Took remedial course: writing (freshman/sophomore)
REMETOOK	Education_Courses	Remedial courses: took this school year (freshman/sophomore)
REMEVER	Education_Courses	Remedial courses: ever taken
HSDEG	Education_High School	High school degree type
HSGRADYY	Education_High School	High school graduation year
GPA	Education_Performance	Grade point average

See notes at end of table.

Table I-1. Analysis variables: 2004—Continued

Variable name	Prefix	Label
CCTRACK	Education_Persistence	Community college track
STAY1YR	Education_Persistence	Attained or persisted in 2003-04
COLLGRAD	Education_Program	Graduating senior in 2003-2004
GRADDEG	Education_Program	Graduate degree program
GRADGPG	Education_Program	Graduate and first-professional degree programs
GRADLVL	Education_Program	Graduate class level
GRADPGM	Education_Program	Graduate programs
HIGHLVEX	Education_Program	Highest level of education ever expected
MAJORS	Education_Program	Field of study/major (detailed)
MAJORS12	Education_Program	Field of study: undergraduate (12 cat)
MAJORSGR	Education_Program	Graduate field of study (12 cat)
PROGSTAT	Education_Program	Completed degree program in 2003-2004
STYPELST	Education_Program	Student type
UGDEG	Education_Program	Undergraduate degree program
UGDEGAA	Education_Program	Associate degree type
UGLVL1	Education_Program	Class level
UGLVL2	Education_Program	Class level (for loans)
ATTENDA	Education_Reasons_School Choice	Reason enrolled: complete associate's degree
ATTENDB	Education_Reasons_School Choice	Reason enrolled: complete certificate
ATTENDC	Education_Reasons_School Choice	Reason enrolled: job skills
ATTENDD	Education_Reasons_School Choice	Reason enrolled: personal interest
ATTENDE	Education_Reasons_School Choice	Reason enrolled: transfer to a 2-year college
ATTENDF	Education_Reasons_School Choice	Reason enrolled: transfer to a 4-year college
ATTENDG	Education_Reasons_School Choice	Reason enrolled: transfer to another college
CONSIDRA	Education_Reasons_School Choice	Considered campus safety before choosing NPSAS
CONSIDRB	Education_Reasons_School Choice	Considered graduation rate before choosing NPSAS
CONSIDRC	Education_Reasons_School Choice	Considered job placement rate before choosing NPSAS
JOBAFFOR	Employment_While Enrolled	Can afford school without working (student)
JOBCLASS	Employment_While Enrolled	Job related to coursework (non-degree)
JOBEARN	Employment_While Enrolled	Earnings from work while enrolled (excl work-study)
JOBEARN2	Employment_While Enrolled	Earnings from work while enrolled (incl work-study)
JOBEFFA	Employment_While Enrolled	Job effect: helped with career preparation (student)
JOBEFFB	Employment_While Enrolled	Job effect: helped with coursework (student)
JOBEFFC	Employment_While Enrolled	Job effect: restricted class choice (student)
JOBEFFD	Employment_While Enrolled	Job effect: limited class schedule (student)
JOBEFFE	Employment_While Enrolled	Job effect: limited facility access (student)
JOBEFFF	Employment_While Enrolled	Job effect: limited number of classes (student)
JOBEMPL	Employment_While Enrolled	Type of employer
JOBENR	Employment_While Enrolled	Work intensity while enrolled (excl work-study)
JOBENR2	Employment_While Enrolled	Work intensity while enrolled (including work-study)
JOBEXPT	Employment_While Enrolled	Parents expected to have a job (student)
JOBHOUR	Employment_While Enrolled	Hours worked per week (excluding wk-study)
JOBHOUR2	Employment_While Enrolled	Hours worked per week (including work-study)
JOBMAIN	Employment_While Enrolled	Main reason for working (student)
JOBMAJOR	Employment_While Enrolled	Job related to major (degree)
JOBNUM	Employment_While Enrolled	Number of jobs during NPSAS year
JOBONOFF	Employment_While Enrolled	Job located primarily on of off campus
JOBPRIOR	Employment_While Enrolled	Have job prior to enrollment at NPSAS
JOBROLE	Employment_While Enrolled	Primary role (student or employee)
JOBSCHA	Employment_While Enrolled	Combine school and work: took class outside work (employee)
JOBSCHB	Employment_While Enrolled	Combine school and work: took distance education (employee)
JOBSCHC	Employment_While Enrolled	Combine school and work: modify work schedule (employee)
JOBTYP	Employment_While Enrolled	Job type: Work-study or regular job
JOBWEEK	Employment_While Enrolled	Weeks worked while enrolled
SJCOMSER	Employment_While Enrolled	School job: part of community service project

See notes at end of table.

Table I-1. Analysis variables: 2004—Continued

Variable name	Prefix	Label
SJHOURS	Employment_While Enrolled	School job: hours per week
SJMAJOR	Employment_While Enrolled	School job: related to major
SJONOFF	Employment_While Enrolled	School job: located primarily on or off campus
SJSCHOOL	Employment_While Enrolled	School job: for NPSAS or another institution/organization
SJTUTOR	Employment_While Enrolled	School job: involved with literacy education or tutoring
HOMEPAR	Finances_Assets	Assets: parent owns home
HOMESTUD	Finances_Assets	Assets: student owns home
CRBALDUE	Finances_Debt_Other	Credit cards - balance due
NUMCRED	Finances_Debt_Other	Credit cards - number in own name
PARPAYCR	Finances_Debt_Other	Credit cards - parents help pay
PAYOFBAL	Finances_Debt_Other	Credit cards - pay off or carry balance
PAYTUIT	Finances_Debt_Other	Credit cards - use to pay tuition
CINCOME	Finances_Income	Total income-parents and independent (continuous)
DEPINC	Finances_Income	Income of dependent student's parents
DSTUINC	Finances_Income	Income of dependent student (excluding parents)
INCOME	Finances_Income	Total income by dependency (categorical)
INDEPINC	Finances_Income	Income of independent student and spouse
ISTUINC	Finances_Income	Income of independent student (excluding spouse)
JOBSAVE	Finances_Income	Summer savings
JOBSUMMR	Finances_Income	Summer job
PCTALL	Finances_Income	Income percentile rank for all students
PCTDEP	Finances_Income	Income percentile dependent students
PCTINDEP	Finances_Income	Income percentile independent students
PCTPOV	Finances_Income	Income percent of poverty level
SPSINC	Finances_Income	Income of independent student's spouse
UNTAXBF	Finances_Income	Received untaxed benefits in 2003
UNTAXBFA	Finances_Income	Received untaxed benefits: child support
UNTAXBFB	Finances_Income	Received untaxed benefits: disability payments
UNTAXBFC	Finances_Income	Received untaxed benefits: food stamps
UNTAXBFD	Finances_Income	Received untaxed benefits: social security benefits
UNTAXBFE	Finances_Income	Received untaxed benefits: TANF
UNTAXBFF	Finances_Income	Received untaxed benefits: worker's compensation
XDEPINC	Finances_Income	Income of dependent student's parents (categorical)
XDSTUINC	Finances_Income	Income of dependent student (excluding parents) (categorical)
XISTUINC	Finances_Income	Income of independent student (excluding spouse) (categorical)
XSPSINC	Finances_Income	Income of independent student's spouse (categorical)
INSTID	Institution	NPSAS:04 Sample Institution IPEDS UNITID
CALSYS	Institution_Other	Academic calendar system
CLOCK	Institution_Other	Clock hour or credit hour institution
CNTLAFFI	Institution_Other	Institutional control and affiliation
ENRLSIZE	Institution_Other	Enrollment size at NPSAS institution
GPASCALE	Institution_Other	GPA scale
HBCU	Institution_Other	Historical Black college indicator
HOMEDIST	Institution_Other	Institution distance from home
INSTSAST	Institution_Other	NPSAS institution representative sample states
INSTSTAT	Institution_Other	NPSAS institution state
INSTSTSE	Institution_Other	NPSAS institution representative state sample by sector
LOCALE	Institution_Other	Degree of urbanization
OBEREG	Institution_Other	NPSAS institution region
OCRHSI	Institution_Other	Hispanic-serving institution
PCTMIN1	Institution_Other	Percent enrolled-Black, non-Hispanic
PCTMIN2	Institution_Other	Percent enrolled-American Indian/Alaskan
PCTMIN3	Institution_Other	Percent enrolled-Asian/Pacific Islander
PCTMIN4	Institution_Other	Percent enrolled-Hispanic
SAMESTAT	Institution_Other	Attend institution in state of legal residence

See notes at end of table.

Table I-1. Analysis variables: 2004—Continued

Variable name	Prefix	Label
SELECTIV	Institution_Other	Selectivity (4-year institutions)
BUDGETAJ	Institution_Price	Student budget (attendance adjusted)
BUDGETFT	Institution_Price	Student full budget (full-time, full-year)
BUDNONAJ	Institution_Price	Non-tuition expense budget (attendance adjusted)
BUDNONFT	Institution_Price	Non-tuition budget (full-time, full-year)
INJURIS	Institution_Price	Tuition jurisdiction (in/out of area)-NPSAS inst
TUITION2	Institution_Price	Tuition and fees (NPSAS)
ADMCON1	Institution_Requirements	Consider secondary school GPA
ADMCON2	Institution_Requirements	Consider secondary school rank
ADMCON3	Institution_Requirements	Consider secondary school record
ADMCON4	Institution_Requirements	Consider completion of college-preparatory program
ADMCON5	Institution_Requirements	Consider recommendations
ADMCON6	Institution_Requirements	Consider formal demonstration of competencies
ADMCON7	Institution_Requirements	Consider admission test scores
ADMCON8	Institution_Requirements	Consider TOEFL
AIDCTRL	Institution_Type	Institution control (with multiple)
AIDLEVL	Institution_Type	Institution level (with multiple)
AIDSECT	Institution_Type	Institution sector (with multiple)
AIDSECTG	Institution_Type	Institution type - graduate (with multiple)
ATTNINST	Institution_Type	Institution type and full-time status
CC2000	Institution_Type	Carnegie code (2000) for NPSAS institution
CC2000A	Institution_Type	Carnegie code (2000) with control
CONTROL	Institution_Type	NPSAS institution control
FPOFFER	Institution_Type	First-professional degree program offered
GASECTOR	Institution_Type	Georgia institution sector
HLOFFER	Institution_Type	Highest level of offering at NPSAS institution
LEVEL	Institution_Type	NPSAS institution level
NYSECTOR	Institution_Type	New York institution sector
PELLSECA	Institution_Type	Sector of school from which received Pell grant 1
PELLSECB	Institution_Type	Sector of school from which received Pell grant 2
PGMSEC	Institution_Type	Graduate program and institution type
SECTOR1	Institution_Type	NPSAS institution sector (control & level)
SECTOR4	Institution_Type	Institution sector (4 with multiple)
SECTOR9	Institution_Type	NPSAS institution type
STFSECA	Institution_Type	Sector of school from which received Stafford loan 1
STFSECB	Institution_Type	Sector of school from which received Stafford loan 2
PAREduc	Parent_Education	Parent's highest education level
PDADeD	Parent_Education	Father's highest education level
PMOMeD	Parent_Education	Mother's highest education level
PARBORN	Parent_Family	Student's parents were born in the United States
PFAMNUM	Parent_Family	Family size (dependent)
PINCOL	Parent_Family	Number of family members in college (dependent)
PMARITAL	Parent_Family	Parent's marital status
SIBCOLB4	Parent_Family	Siblings attended college before
SIBINCOL	Parent_Family	Have siblings in college
PARALLOW	Parent_Support	Monthly allowance amount from parents
PARHELPA	Parent_Support	Help from parents: pay housing
PARHELPA	Parent_Support	Help from parents: pay education expenses other than tuition
PARHELPC	Parent_Support	Help from parents: pay living expenses other than housing
PARHELPA	Parent_Support	Help from parents: pay tuition and fees
COMHOUR	Public_Service_Participation	Community service - average hours per month
COMONE	Public_Service_Participation	Community service - one time event
COMREQ	Public_Service_Participation	Community service - required or part of program
COMSERV	Public_Service_Participation	Community service - performed last year
COMSERVA	Public_Service_Participation	Community service: fundraising

See notes at end of table.

Table I-1. Analysis variables: 2004—Continued

Variable name	Prefix	Label
COMSERVB	Public Service_Participation	Community service: homeless shelter/soup kitchen
COMSERVC	Public Service_Participation	Community service: hospital/nursing home
COMSERVD	Public Service_Participation	Community service: neighborhood improvement
COMSERVE	Public Service_Participation	Community service: service to church
COMSERVF	Public Service_Participation	Community service: tutoring/mentoring
COMSERVG	Public Service_Participation	Community service: work with kids other than tutoring/mentoring
COMSERVX	Public Service_Participation	Community service: others
MILTYPE	Public Service_Participation	Military service type
VETERAN	Public Service_Participation	Veteran status
VOTEEVER	Public Service_Participation	Ever vote
VOTEREG	Public Service_Participation	Registered to vote
COMPTO87	Survey_Sample	Comparable to 1987 NPSAS (excluding Puerto Rico)
DATASRC	Survey_Sample	Data sources (CATI, CADE, and CPS)
FTBSTAT	Survey_Sample	First time beginners
INCADE	Survey_Sample	Data available from CADE
INCATI	Survey_Sample	Data available from CATI
INCPS	Survey_Sample	Data available from CPS
INNSLDS	Survey_Sample	Data available from NSLDS federal loan record
INPELL	Survey_Sample	Data available from NSLDS Pell grant record
ZRID	Survey_Sample	Identification number
ZATTENDA	Survey_Source	Source variable for ATTENDA
ZATTENDB	Survey_Source	Source variable for ATTENDB
ZATTENDC	Survey_Source	Source variable for ATTENDC
ZATTENDD	Survey_Source	Source variable for ATTENDD
ZATTENDE	Survey_Source	Source variable for ATTENDE
ZATTENDF	Survey_Source	Source variable for ATTENDF
ZATTENDG	Survey_Source	Source variable for ATTENDG
ZBORAMT1	Survey_Source	Source variable for BORAMT1
ZBORAMT2	Survey_Source	Source variable for BORAMT2
ZBORAMT3	Survey_Source	Source variable for BORAMT3
ZBUDGET	Survey_Source	Source variable for BUDNONAJ
ZCAMP	Survey_Source	Source variable for CAMPAMT
ZCITIZEN	Survey_Source	Source variable for CITIZEN2
ZCOMHOUR	Survey_Source	Source variable for COMHOUR
ZCOMONE	Survey_Source	Source variable for COMONE
ZCOMREQ	Survey_Source	Source variable for COMREQ
ZCOMSERA	Survey_Source	Source variable for COMSERVA
ZCOMSERB	Survey_Source	Source variable for COMSERVB
ZCOMSERC	Survey_Source	Source variable for COMSERVC
ZCOMSERD	Survey_Source	Source variable for COMSERVD
ZCOMSERE	Survey_Source	Source variable for COMSERVE
ZCOMSERF	Survey_Source	Source variable for COMSERVF
ZCOMSERG	Survey_Source	Source variable for COMSERVG
ZCOMSERV	Survey_Source	Source variable for COMSERV
ZCOMSERX	Survey_Source	Source variable for COMSERVX
ZCONSIDA	Survey_Source	Source variable for CONSIDRA
ZCONSIDB	Survey_Source	Source variable for CONSIDRB
ZCONSIDC	Survey_Source	Source variable for CONSIDRC
ZCRBALDU	Survey_Source	Source variable for CRBALDUE
ZDEGEARA	Survey_Source	Source variable for DEGEARNA
ZDEGEARB	Survey_Source	Source variable for DEGEARNB
ZDEGEARC	Survey_Source	Source variable for DEGEARNC
ZDEGEARD	Survey_Source	Source variable for DEGEARND
ZDEGEARE	Survey_Source	Source variable for DEGEARNE
ZDEGEARF	Survey_Source	Source variable for DEGEARNF

See notes at end of table.

Table I-1. Analysis variables: 2004—Continued

Variable name	Prefix	Label
ZDEGEARG	Survey_Source	Source variable for DEGEARNG
ZDEGEARH	Survey_Source	Source variable for DEGEARNH
ZDEGEARN	Survey_Source	Source variable for DEGEARN
ZDELIVE	Survey_Source	Source variable for DELIVE
ZDEPCARE	Survey_Source	Source variable for DEPCARE
ZDEPCOST	Survey_Source	Source variable for DEPCOST
ZDEPINC	Survey_Source	Source variables for DEPINC
ZDERECR	Survey_Source	Source variable for DERECR
ZDEWWW	Survey_Source	Source variable for DEWWW
ZDISABLE	Survey_Source	Source variable for DISABLE
ZDISMOBI	Survey_Source	Source variable for DISMOBIL
ZDISOTHA	Survey_Source	Source variable for DISOTHRA
ZDISOTHB	Survey_Source	Source variable for DISOTHRB
ZDISOTHC	Survey_Source	Source variable for DISOTHRC
ZDISOTHD	Survey_Source	Source variable for DISOTHRD
ZDISOTHR	Survey_Source	Source variable for DISOTHER
ZDISSENS	Survey_Source	Source variable for DISSENSR
ZDISTALL	Survey_Source	Source variable for DISTALL
ZDISTEDU	Survey_Source	Source variable for DISTEDUC
ZDISTLOC	Survey_Source	Source variable for DISTLOC
ZDISTNUM	Survey_Source	Source variable for DISTNUM
ZDISTSAT	Survey_Source	Source variable for DISTSATF
ZDISTYPE	Survey_Source	Source variable for DISTYPES
ZDSTUINC	Survey_Source	Source variables for DSTUINC
ZEFC	Survey_Source	Source variable for ZEFC
ZEFC1	Survey_Source	Source variable for ZEFC1
ZEMPLWV	Survey_Source	Source variable for EEMPLWAIV
ZEMPLYA1	Survey_Source	Source variable for EEMPLYAM1
ZEMPLYA2	Survey_Source	Source variable for EEMPLYAM2
ZEMPLYA3	Survey_Source	Source variable for EEMPLYAM3
ZEMPLYAM	Survey_Source	Source variable for EEMPLYAMT
ZENROLL	Survey_Source	Source variable for enrollment variables
ZEVER2PU	Survey_Source	Source variable for EVER2PUB
ZEVER4YR	Survey_Source	Source variable for EVER4YR
ZFEDNEED	Survey_Source	Source variable for FEDNEED
ZGAINSUR	Survey_Source	Source variable for GAINSUR
ZGENDER	Survey_Source	Source variable for GENDER
ZGPA	Survey_Source	Source variable for GPA
ZGRADDEG	Survey_Source	Source variable for GRADDEG
ZGRADGPG	Survey_Source	Source variable for ZGRADGPG
ZGRADLVL	Survey_Source	Source variable for GRADLVL
ZGRADTAA	Survey_Source	Source variable for GRADTAA
ZGRADTAB	Survey_Source	Source variable for GRADTAB
ZGRADTAC	Survey_Source	Source variable for GRADTAC
ZGRADTAD	Survey_Source	Source variable for GRADTAD
ZGRADTAE	Survey_Source	Source variable for GRADTAE
ZGRADTAF	Survey_Source	Source variable for GRADTAF
ZGRASTAM	Survey_Source	Source variable for GRASTAMT
ZGRGRDAM	Survey_Source	Source variable for GRGRDAMT
ZGRINFEL	Survey_Source	Source variable for GRINFEL
ZGRRESAM	Survey_Source	Source variable for GRRESAMT
ZGRTEAAM	Survey_Source	Source variable for GRTEAAMT
ZGRTRNAM	Survey_Source	Source variable for GRTRNAMT
ZHIGHLVE	Survey_Source	Source variable for HIGHLVEX
ZHOMEDIS	Survey_Source	Source variable for HOMEDIST

See notes at end of table.

Table I-1. Analysis variables: 2004—Continued

Variable name	Prefix	Label
ZHOMEPAR	Survey_Source	Source variable for HOMEPAR
ZHOMESTU	Survey_Source	Source variable for HOMESTUD
ZHSDEG	Survey_Source	Source variable for HSDEG
ZHSGRADY	Survey_Source	Source variable for HSGRADYY
ZINATHAM	Survey_Source	Source variable for INATHAMT
ZINCOME	Survey_Source	Source variable for INCOME
ZINDEINC	Survey_Source	Source variables for INDEPINC
ZINGRTAM	Survey_Source	Source variable for INGRTAMT
ZINLNAMT	Survey_Source	Source variable for INLNAMT
ZINSMERI	Survey_Source	Source variable for INSMERIT
ZINSTAMT	Survey_Source	Source variable for INSTAMT
ZINSTND	Survey_Source	Source variable for INSTNEED
ZINSTNON	Survey_Source	Source variable for INSTNOND
ZINSTWRK	Survey_Source	Source variable for INSTWRK
ZINSWAIV	Survey_Source	Source variable for INSWAIV
ZISTUINC	Survey_Source	Source variables for ISTUINC
ZJOBAFFO	Survey_Source	Source variable for JOBAFFOR
ZJOBCLAS	Survey_Source	Source variable for JOBCLASS
ZJOBearn	Survey_Source	Source variable for JOBEARN
ZJOBEFFA	Survey_Source	Source variable for JOBEFFA
ZJOBEFFB	Survey_Source	Source variable for JOBEFFB
ZJOBEFFC	Survey_Source	Source variable for JOBEFFC
ZJOBEFFD	Survey_Source	Source variable for JOBEFFD
ZJOBEFFE	Survey_Source	Source variable for JOBEFFE
ZJOBFFFF	Survey_Source	Source variable for JOBEFFF
ZJOBEMPL	Survey_Source	Source variable for JOBEMPL
ZJOBEXPT	Survey_Source	Source variable for JOBEXPT
ZJOBHOUR	Survey_Source	Source variable for JOBHOUR
ZJOBMAIN	Survey_Source	Source variable for JOBMAIN
ZJOBMAJO	Survey_Source	Source variable for JOBMAJOR
ZJOBNUM	Survey_Source	Source variable for JOBNUM
ZJOBONOF	Survey_Source	Source variable for JOBONOFF
ZJOBPRIO	Survey_Source	Source variable for JOBPRIOR
ZJOBROLE	Survey_Source	Source variable for JOBROLE
ZJOBsave	Survey_Source	Source variable for JOBSAVE
ZJOBSCHA	Survey_Source	Source variable for JOBSCHA
ZJOBSCHB	Survey_Source	Source variable for JOBSCHB
ZJOBSCHC	Survey_Source	Source variable for JOBSCHC
ZJOBSUMM	Survey_Source	Source variable for JOBSUMMR
ZJOBWEEK	Survey_Source	Source variable for JOBWEEK
ZMAJORS	Survey_Source	Source variable for MAJORS
ZNUMCRED	Survey_Source	Source variable for NUMCRED
ZOTHFDGT	Survey_Source	Source variable for OTHFDGRT
ZOTHGTAM	Survey_Source	Source variable for OTHGTAMT
ZOTHRSCR	Survey_Source	Source variable for OTHRSCR
ZOTHTYPE	Survey_Source	Source variable for OTHTYPE
ZOWEAMT1	Survey_Source	Source variable for OWEAMT1
ZOWEAMT2	Survey_Source	Source variable for OWEAMT2
ZOWEAMT3	Survey_Source	Source variable for OWEAMT3
ZPARALLO	Survey_Source	Source variable for PARALLOW
ZPARHELA	Survey_Source	Source variable for PARHELPA
ZPARHELB	Survey_Source	Source variable for PARHELPB
ZPARHELC	Survey_Source	Source variable for PARHELPC
ZPARHELD	Survey_Source	Source variable for PARHELPD
ZPARLIVE	Survey_Source	Source variable for PARLIVE

See notes at end of table.

Table I-1. Analysis variables: 2004—Continued

Variable name	Prefix	Label
ZPARPAYC	Survey_Source	Source variable for PARPAYCR
ZPAYOFBA	Survey_Source	Source variable for PAYOFBAL
ZPAYUIT	Survey_Source	Source variable for PAYUIT
ZPELL	Survey_Source	Source variable for PELLAMT
ZPERK	Survey_Source	Source variable for PERKAMT
ZPHSLOAN	Survey_Source	Source variable for PHSLOAN
ZPLUS	Survey_Source	Source variable for PLUSAMT
ZPRIMLAN	Survey_Source	Source variable for PRIMLANG
ZPRIVAIID	Survey_Source	Source variable for PRIVAIID
ZPRIVAMT	Survey_Source	Source variable for PRIVAMT
ZPRIVLON	Survey_Source	Source variable for PRIVLOAN
ZPSECTYR	Survey_Source	Source variable for PSECTYR
ZRAINDTR	Survey_Source	Source variable for RAINDTRB
ZREMEDIA	Survey_Source	Source variable for REMEDIA
ZREMEDIB	Survey_Source	Source variable for REMEDIB
ZREMEDIC	Survey_Source	Source variable for REMEDIC
ZREMEDID	Survey_Source	Source variable for REMEDID
ZREMEDIE	Survey_Source	Source variable for REMEDIE
ZREMETOO	Survey_Source	Source variable for REMETOOK
ZREMEVER	Survey_Source	Source variable for REMEVER
ZSEOG	Survey_Source	Source variable for SEOGAMT
ZSERNEDA	Survey_Source	Source variable for SERNEEDA
ZSERNEDB	Survey_Source	Source variable for SERNEEDB
ZSERNEDC	Survey_Source	Source variable for SERNEEDC
ZSERNEDD	Survey_Source	Source variable for SERNEEDD
ZSERNEDE	Survey_Source	Source variable for SERNEEDE
ZSERNEDF	Survey_Source	Source variable for SERNEEDF
ZSERNEDG	Survey_Source	Source variable for SERNEEDG
ZSERNEDX	Survey_Source	Source variable for SERNEEDX
ZSERRECA	Survey_Source	Source variable for SERRECA
ZSERRECB	Survey_Source	Source variable for SERRECVB
ZSERRECC	Survey_Source	Source variable for SERRECC
ZSERRECD	Survey_Source	Source variable for SERRECD
ZSERRECE	Survey_Source	Source variable for SERRECE
ZSERRECF	Survey_Source	Source variable for SERRECF
ZSERRECG	Survey_Source	Source variable for SERRECG
ZSERRECX	Survey_Source	Source variable for SERRECVX
ZSIBCOLB	Survey_Source	Source variable for SIBCOLB4
ZSJCOMSE	Survey_Source	Source variable for SJCOMSER
ZSJHOURS	Survey_Source	Source variable for SJHOURS
ZSJMAJOR	Survey_Source	Source variable for SJMAJOR
ZSJONOFF	Survey_Source	Source variable for SJONOFF
ZSJSCHOO	Survey_Source	Source variable for SJSCHOOL
ZSJTUTOR	Survey_Source	Source variable for SJTUTOR
ZSMAR	Survey_Source	Source variable for SMARITAL
ZSPINCOL	Survey_Source	Source variable for SPINCOL
ZSPSINC	Survey_Source	Source variables for SPSINC
ZSSISSDI	Survey_Source	Source variable for SSISSDI
ZSTAF	Survey_Source	Source variable for STAFFAMT
ZSTAFS	Survey_Source	Source variable for STAFSUB
ZSTAFU	Survey_Source	Source variable for STAFUNSB
ZSTATEAM	Survey_Source	Source variable for STATEAMT
ZSTATND	Survey_Source	Source variable for STATNEED
ZSTATNON	Survey_Source	Source variable for STATNOND
ZSTGTAMT	Survey_Source	Source variable for STGTAMT

See notes at end of table.

Table I-1. Analysis variables: 2004—Continued

Variable name	Prefix	Label
ZSTLNAMT	Survey_Source	Source variable for STLNAMT
ZSTMERIT	Survey_Source	Source variable for STMERIT
ZSTNOND1	Survey_Source	Source variable for STNOND1
ZSTWKAMT	Survey_Source	Source variable for STWKAMT
ZSTYPE	Survey_Source	Source variable for STYPELST
ZT4LNAM1	Survey_Source	Source variable for T4LNAMT1
ZT4LNAM2	Survey_Source	Source variable for T4LNAMT2
ZTFEDAID	Survey_Source	Source variable for TFEDAID
ZTFEDGRT	Survey_Source	Source variable for TFEDGRT
ZTFEDLN	Survey_Source	Source variable for TFEDLN
ZTFEDLN2	Survey_Source	Source variable for TFEDLN2
ZTFEDWRK	Survey_Source	Source variable for TFEDWRK
ZTITIVAM	Survey_Source	Source variable for TITIVAMT
ZTOTAID	Survey_Source	Source variable for TOTAID
ZTOTGRT	Survey_Source	Source variable for TOTGRT
ZTOTLOAN	Survey_Source	Source variable for TOTLOAN
ZTOTWKST	Survey_Source	Source variable for TOTWKST
ZTUITION	Survey_Source	Source variable for TUITION2
ZUGDEG	Survey_Source	Source variable for UGDEG
ZUGDEGAA	Survey_Source	Source variable for UGDEGAA
ZUGLVL1	Survey_Source	Source variable for UGLVL1
ZUNTAXA	Survey_Source	Source variable for UNTAXBFA
ZUNTAXB	Survey_Source	Source variable for UNTAXBFB
ZUNTAXBF	Survey_Source	Source variable for UNTAXBF
ZUNTAXC	Survey_Source	Source variable for UNTAXBFC
ZUNTAXD	Survey_Source	Source variable for UNTAXBFD
ZUNTAXE	Survey_Source	Source variable for UNTAXBFE
ZUNTAXF	Survey_Source	Source variable for UNTAXBFF
ZUSBORN	Survey_Source	Source variable for USBORN
ZVADODAM	Survey_Source	Source variable for VADODAMT
ZVETBEN	Survey_Source	Source variable for VETBEN
ZVOCAPPL	Survey_Source	Source variable for VOCAPPLY
ZVOCHELP	Survey_Source	Source variable for VOCHHELP
ZVOCRECV	Survey_Source	Source variable for VOCRECV
ZVOTEEVE	Survey_Source	Source variable for VOTEEVER
ZVOTEREG	Survey_Source	Source variable for VOTEREG
ANALPSU	Survey_Weights	PSU
ANALSTR	Survey_Weights	Stratum
WTA00	Survey_Weights	Study weight

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004 National Postsecondary Student Aid Study (NPSAS:04).

Appendix J

GEM Adjustment Procedure

Weight adjustments are obtained using a generalized exponential model (GEM) with weight adjustment at adjustment step j for individual i having the following form:

$$\alpha_{ji}(\lambda_j) = \frac{l_{ji}(u_{ji} - c_{ji}) + u_{ji}(c_{ji} - l_{ji}) \exp(A_{ji}x_{ji}'\lambda_j)}{(u_{ji} - c_{ji}) + (c_{ji} - l_{ji}) \exp(A_{ji}x_{ji}'\lambda_j)}$$

where the l_{ji}, u_{ji} are lower and upper bounds on α_{ji} , the c_{ji} are pre-specified centering constants such that $l_{ji} < c_{ji} < u_{ji}$, x_{ji} is a covariate vector, and $A_{ji} = u_{ji} - l_{ji} / (u_{ji} - c_{ji})(c_{ji} - l_{ji})$ is a scale factor.¹ The p -dimensional parameter vector λ_j is estimated by solving

$$\sum_{i \in A} x_{ji} w_{ji} \alpha_{ji}(\lambda_j) - T_x = 0$$

where T_x is a control total vector and A is the set of individuals whose weights are being adjusted.

To fit a GEM, at adjustment step j , individuals are first stratified and then grouped according to extreme weights within strata: low-extreme (weight = median -3 times the interquartile range), normal, or high-extreme (weight = median +3 times the interquartile range) weights. Depending on the strata and extreme weight group they are in, each individual is then assigned a bounds adjustment multiple (see below for details). Furthermore, across all strata, each extreme weight group is given group-specific bounds. Each individual's final adjustment bounds for model fitting is obtained by multiplying their individual adjustment multiple by the group-specific bounds. The GEM can then be fit with individual weight adjustments constrained to lie within the obtained bounds.

The GEM procedure used for institution and student weight adjustments was similar, with the exception that extreme weight adjustments were not done for the institution weights. The institution weights are incorporated into the student weights (see section 6.2.1), so the extreme weight adjustments were done only at the student level. The summary of the institution GEM adjustment factors is in section 6.1.3. The details of the student GEM adjustments are below.

The first step in finding individual bounds was to stratify individuals by the 375-level cross of the 58-level institutional strata and eight student sampling strata.² These strata were used in the sampling design, as outlined in section 2.1.1, and so should group similar weights together.

For each stratum, individuals were then further partitioned into extreme weight groups: low-extreme, normal, and high-extreme. This partitioning was accomplished using a standard nonparametric approach to outlier detection based on the interquartile range. Within stratum k for $k=1, \dots, 375$, the interquartile range, IQR_k is as follows:

¹ To see the relationship to a logit model, let the lower bound l_{ji} equal 1, the centering constant c_{ji} equal 2, and let the upper bound u_{ji} go to infinity. In the limit there is $a_{ji} = 1 + \exp(x_{ji}'\lambda_j)$, a logit model in which a_{ji} is the reciprocal of a response probability.

² Not all 58 institutional strata contained students in all 8 student strata. For example, less-than-2-year and 2-year institutions had no graduate/first-professional students.

$$IQR_{jk} = \hat{P}_{jk,75} - \hat{P}_{jk,25},$$

the difference of the estimated 75th and 25th percentiles (the third and first quartiles). Using $\hat{P}_{jk,50}$, the estimated stratum k sample median, outlier bounds b_{jk1}, b_{jk2} were computed where

$$b_{jk1} = \hat{P}_{jk,50} - 3IQR_{jk}$$

$$b_{jk2} = \hat{P}_{jk,50} + 3IQR_{jk}$$

and the weights in stratum k could then be grouped: w_{ji} is considered low-extreme if $w_{ji} < b_{jk1}$, w_{ji} is considered high-extreme if $w_{ji} > b_{jk2}$, and w_{ji} is considered normal otherwise. The individual i bounds adjustment multiple, m_{ji} , is then obtained as follows:

$$m_{ji} = \frac{b_{jk1}}{w_{ji}} \quad \text{if } w_{ji} \text{ is low-extreme}$$

$$= 1 \quad \text{if } w_{ji} \text{ is normal}$$

$$= \frac{b_{jk2}}{w_{ji}} \quad \text{if } w_{ji} \text{ is high-extreme}$$

and so $m_{ji} > 1$ for low-extreme weights and $m_{ji} < 1$ for high-extreme weights. This has the desirable effect of increasing the lower bound for low-extreme weights and decreasing the upper bound for high-extreme weights.

To obtain the extreme weight group bounds, let g give the grouping, with $g=1$ being low-extreme, $g=2$ being normal, and $g=3$ being high-extreme. The group bounds are then a lower bound l_{jg}^* , and an upper bound u_{jg}^* and also a centering constant c_j^* . To reduce the total number of bounds in the model and to simplify the fitting process, $l_{j2}^* = l_{j3}^*$, and $u_{j1}^* = u_{j2}^*$ was always constrained. Extreme weight group bounds were then further constrained for nonresponse adjustment.

The additional constraints on the extreme weight group bounds for nonresponse adjustment are that $l_{j1}^* = l_{j2}^* = l_{j3}^* = 1$ because individual weight adjustments were restricted to be greater than 1. This is desirable as nonresponse adjustments represent the inverse of response probabilities. The centering constant c_j^* is then set equal to the reciprocal of the estimated weighted response rate.

The extreme weight group bounds were not implemented for poststratification due to model convergence problems. For poststratification, the low-extreme and high-extreme bounds were set equal to the normal bounds, and the centering constant was 1, i.e., $c_4^* = 1$.

Subject to all of the above constraints, the extreme weight group bounds used in adjusting the initial weights are provided in table J-1. All further specifications of these bounds were made to ensure model convergence.

Table J-1. Bounds and centering constants for group weight adjustments for each GEM adjustment step: 2004

Adjustment step	Lower bounds			Centering constant	Upper bounds		
	Low extreme	Normal	High extreme		Low extreme	Normal	High extreme
Location adjustment	1.0	1.0	#	1.0	8.3	8.3	3.9
Refusal adjustment	1.0	1.0	#	1.0	1.4	1.4	1.4
Other nonresponse adjustment	1.0	1.0	#	1.0	1.5	1.5	1.3
Poststratification adjustment	0.5	0.5	0.5	1.0	26.8	26.8	26.8

Rounds to zero.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004 National Postsecondary Student Aid Study (NPSAS:04).

Once the group bounds had been determined, individual weight adjustment bounds were found by multiplying the individual bounds adjustment multiples by the appropriate group specific bounds:

$$l_{ji} = l_{jg}^* m_{ji}$$

$$c_{ji} = c_j^* m_{ji}$$

$$u_{ji} = u_{jg}^* m_{ji}$$

where g is determined by the group to which w_{ji} belongs.

GEM adjustment for nonresponse and poststratification also differs by choice of covariate vector x_{ji} , and the composition of control total vector T_x .

For nonresponse adjustment, the components of x_{ji} are the predictors of nonresponse. Vector T_x is in this case the full sample (respondents and nonrespondents) weight totals for the levels of the predictors in x_{ji} . Solution of equation (1) is then equivalent to finding the λ_j for which $\sum_{i \in A} x_{ji} w_{ji} \alpha_{ji}(\lambda_j) = T_x$ where A is the set of all respondents. That is, the lambda is found such that its associated adjustments have the property that sums of adjusted weights for respondents equal sums of the current weights over the entire sample. Since nonrespondents have adjusted weights set equal to zero, it is then also true that over all sampled individuals, sums of adjusted weights equal those of current weights.

For poststratification adjustment, the components of x_{ji} are the levels of the selected variables for which population level control totals are available (see section 6.2.3). In this case, vector T_x contains these control totals. The resulting weights have been adjusted to preserve the totals.

Appendix K

Nonresponse Bias Analysis

Institution Nonresponse Bias Analysis	K-3
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Item-Level Nonresponse Bias Analysis.....	K-85

Institution Nonresponse Bias Analysis

Table K-1. Institution nonresponse bias before nonresponse adjustment and after weight adjustments for selected variables for all institutions: 2004

Variable	Before nonresponse adjustment						After nonresponse adjustment				
	Unweighted respondents	Unweighted non-respondents	Respondent mean weighted	Non-respondent mean weighted	Estimated bias	Relative bias	Overall mean, before adjustments	Overall mean, after adjustments	Estimated bias	Relative bias	
Institution strata											
Public less-than-2-year	50	20	4.49	6.01	-0.29	-0.06	4.82	5.93	-1.12	-0.23	
Public 2-year	320	60	16.92	18.00	-0.21	-0.01	17.15	19.09	-1.93	-0.11	
Public 4-year, non-doctorate-granting	110	20	6.02	8.80	-0.53	-0.08	6.61	5.73	0.88	0.13	
Public 4-year, doctorate-granting	200	30	4.57	2.34	0.43 ¹	0.10	4.09	4.50	-0.40	-0.10	
Private not-for-profit, less-than-4 year	70	10	5.66	1.05	0.89 ¹	0.19	4.67	5.40	-0.73	-0.16	
Private not-for-profit, 4-year, non-doctorate-granting	220	50	16.92	14.42	0.48	0.03	16.38	16.89	-0.51	-0.03	
Private not-for-profit, 4-year, doctorate-granting	170	50	7.26	8.20	-0.18	-0.02	7.47	7.45	0.02	#	
Private for-profit, less-than-2-year	140	30	20.72	27.33	-1.27	-0.06	22.14	18.70	3.44	0.16	
Private for-profit, 2-year or more	90	20	17.44	13.86	0.69	0.04	16.67	16.31	0.36	0.02	
Carnegie classification code											
Doctorate-granting/research universities—extensive	130	20	2.58	1.52	0.20	0.09	2.35	2.39	-0.04	-0.02	
Doctorate-granting/research universities—intensive	90	10	1.86	0.94	0.18	0.10	1.66	1.91	-0.25	-0.15	
Master's colleges and universities I	180	30	7.73	7.75	#	#	7.73	7.92	-0.19	-0.02	
Master's (comprehensive) colleges and universities II	20	10	1.38	1.41	-0.01	#	1.38	1.15	0.23	0.17	
Baccalaureate colleges—liberal arts	50	10	2.83	3.13	-0.06	-0.02	2.90	2.67	0.22	0.08	
Baccalaureate colleges—general	80	20	6.05	9.44	-0.65	-0.10	6.78	5.70	1.07	0.16	
Baccalaureate/associate's colleges	10	#	1.30	0.77	0.10	0.08	1.19	1.14	0.05	0.04	
Associate's colleges	340	60	23.50	24.18	-0.13	-0.01	23.64	23.88	-0.24	-0.01	
Theological seminaries and other specialized faith-related institutions	30	10	6.15	1.36	0.92	0.18	5.12	5.85	-0.72	-0.14	
Medical schools and medical centers	30	10	0.65	0.87	-0.04	-0.06	0.70	0.71	-0.01	-0.01	
Other separate health profession schools	10	#	0.90	0.37	0.10	0.13	0.78	1.29	-0.51	-0.65	
Schools of engineering and technology	10	#	1.44	0.34	0.21	0.17	1.21	1.39	-0.19	-0.16	

See notes at end of table.

Table K-1. Institution nonresponse bias before nonresponse adjustment and after weight adjustments for selected variables for all institutions: 2004—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment				
	Unweighted respondents	Unweighted non-respondents	Respondent mean weighted	Non-respondent mean weighted	Estimated bias	Relative bias	Overall mean, before adjustments	Overall mean, after adjustments	Estimated bias	Relative bias	
Schools of business and management	10	#	0.42	0.43	#	#	0.42	0.56	-0.13	-0.31	
Schools of art, music, and design	20	10	0.82	2.35	-0.29	-0.26	1.15	0.82	0.33	0.29	
Schools of law	#	#	0.10	0.58	-0.09	-0.47	0.21	0.11	0.10	0.47	
Teachers colleges	#	#	0.10	#	#	#	0.08	0.23	-0.16	-2.03	
Other specialized institutions	10	#	1.35	0.83	0.10	0.08	1.24	1.24	#	#	
Tribal colleges and universities	#	#	0.23	#	#	#	0.18	0.19	#	-0.03	
Unavailable or unknown	330	70	40.60	43.75	-0.60	-0.01	41.28	40.85	0.43	0.01	
Degree of urbanization											
Large city	350	80	22.51	22.97	-0.09	#	22.61	22.01	0.59	0.03	
Mid-size city	360	60	22.17	25.92	-0.72	-0.03	22.98	21.26	1.72	0.07	
Urban fringe of large city	250	60	20.08	14.26	1.12	0.06	18.83	21.76	-2.93	-0.16	
Urban fringe of mid-size city	80	20	6.48	5.46	0.20	0.03	6.26	6.09	0.17	0.03	
Large town	50	#	2.14	1.66	0.09	0.04	2.03	2.09	-0.05	-0.03	
Small town	170	30	13.28	9.37	0.75	0.06	12.44	13.93	-1.49	-0.12	
Rural	40	#	3.64	0.40	0.62 ¹	0.21	2.94	3.35	-0.41	-0.14	
Not assigned	30	#	2.20	0.73	0.28	0.15	1.88	1.82	0.06	0.03	
Unavailable or unknown	50	10	7.52	19.23	-2.25	-0.23	10.04	7.70	2.34	0.23	
Bureau of Economic Analysis Code (Office of Business Economics [OBE]) Region ²											
New England	90	20	6.18	13.12	-1.33	-0.18	7.68	6.96	0.72	0.09	
Mid East	200	60	14.44	14.79	-0.07	#	14.52	17.58	-3.07	-0.21	
Great Lakes	210	40	17.48	8.02	1.82	0.12	15.44	16.13	-0.68	-0.04	
Plains	140	20	9.17	3.68	1.06	0.13	7.99	8.66	-0.67	-0.08	
Southeast	320	50	23.63	28.43	-0.92	-0.04	24.66	21.53	3.13	0.13	
Southwest	130	30	8.30	6.86	0.28	0.03	7.99	8.32	-0.33	-0.04	
Rocky Mountains	40	10	3.20	5.06	-0.36	-0.10	3.60	3.48	0.12	0.03	
Far West	200	60	15.66	19.95	-0.82	-0.05	16.58	15.82	0.76	0.05	
Outlying areas	30	#	1.93	0.09	0.35 ¹	0.22	1.54	1.52	0.02	0.01	
Historically Black college or university											
Yes	30	10	2.00	1.77	0.05	0.02	1.95	1.70	0.25	0.13	
No	1,340	260	98.00	98.23	-0.05	#	98.05	98.30	-0.25	#	

See notes at end of table.

Table K-1. Institution nonresponse bias before nonresponse adjustment and after weight adjustments for selected variables for all institutions: 2004—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment				
	Unweighted respondents	Unweighted non-respondents	Respondent mean weighted	Non-respondent mean weighted	Estimated bias	Relative bias	Overall mean, before adjustments	Overall mean, after adjustments	Estimated bias	Relative bias	
Percent receiving federal grant aid											
<=25	400	80	18.56	15.10	0.66	0.04	17.82	17.64	0.18	0.01	
>25, <=50	490	100	34.15	38.07	-0.75	-0.02	34.99	32.62	2.38	0.07	
>50, <=75	230	40	22.73	15.90	1.31	0.06	21.26	23.14	-1.88	-0.09	
>75	120	20	15.74	16.62	-0.17	-0.01	15.93	16.46	-0.54	-0.03	
Unavailable or unknown	120	40	8.82	14.31	-1.06	-0.11	10.00	10.14	-0.14	-0.01	
Percent receiving state/local grant aid											
<=25	620	110	56.09	52.95	0.60	0.01	55.42	55.41	#	#	
>25, <=50	360	80	21.46	22.92	-0.28	-0.01	21.78	21.57	0.21	0.01	
>50, <=75	180	30	10.01	6.18	0.74	0.08	9.18	9.51	-0.33	-0.04	
>75	90	10	3.62	3.64	#	#	3.62	3.37	0.25	0.07	
Unavailable or unknown	120	40	8.82	14.31	-1.06	-0.11	10.00	10.14	-0.14	-0.01	
Percent receiving institutional grant aid											
<=25	710	120	60.76	53.22	1.45	0.02	59.14	59.88	-0.74	-0.01	
>25, <=50	210	40	10.58	12.29	-0.33	-0.03	10.95	10.43	0.52	0.05	
>50, <=75	130	40	6.79	11.12	-0.83	-0.11	7.72	6.92	0.80	0.10	
>75	200	40	13.05	9.06	0.77	0.06	12.19	12.63	-0.43	-0.04	
Unavailable or unknown	120	40	8.82	14.31	-1.06	-0.11	10.00	10.14	-0.14	-0.01	
Percent receiving student loan aid											
<=25	430	70	29.32	30.31	-0.19	-0.01	29.53	27.90	1.63	0.06	
>25, <=50	330	60	14.96	13.23	0.33	0.02	14.59	14.24	0.34	0.02	
>50, <=75	320	70	27.49	27.11	0.07	#	27.41	25.37	2.04	0.07	
>75	180	30	19.41	15.04	0.84	0.05	18.47	22.35	-3.88	-0.21	
Unavailable or unknown	120	40	8.82	14.31	-1.06	-0.11	10.00	10.14	-0.14	-0.01	
Percent enrolled: Black, non-Hispanic											
<=25	1,140	220	81.09	68.87	2.35	0.03	78.46	82.05	-3.58	-0.05	
>25, <=50	130	20	9.54	10.71	-0.23	-0.02	9.79	9.11	0.67	0.07	
>50, <=75	30	10	3.11	8.23	-0.98	-0.24	4.21	3.06	1.15	0.27	
>75	50	#	4.50	1.62	0.55	0.14	3.88	3.88	#	#	
Unavailable or unknown	20	20	1.76	10.57	-1.69	-0.49	3.66	1.90	1.76	0.48	

See notes at end of table.

Table K-1. Institution nonresponse bias before nonresponse adjustment and after weight adjustments for selected variables for all institutions: 2004—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment				
	Unweighted respondents	Unweighted non-respondents	Respondent mean weighted	Non-respondent mean weighted	Estimated bias	Relative bias	Overall mean, before adjustments	Overall mean, after adjustments	Estimated bias	Relative bias	
Percent enrolled: Asian or Pacific Islander											
<=25	1,310	250	96.23	88.53	1.48	0.02	94.57	96.17	-1.60	-0.02	
>25, <=50	20	10	1.82	0.51	0.25	0.16	1.53	1.74	-0.20	-0.13	
>50, <=75	#	#	0.15	#	#	#	0.11	0.15	-0.03	-0.30	
>75	#	#	0.05	0.40	-0.07	-0.58	0.12	0.04	0.08	0.64	
Unavailable or unknown	20	20	1.76	10.57	-1.69	-0.49	3.66	1.90	1.76	0.48	
Percent enrolled: Hispanic											
<=25	1,170	220	85.27	71.82	2.58	0.03	82.37	85.19	-2.82	-0.03	
>25, <=50	100	20	7.92	10.63	-0.52	-0.06	8.51	7.38	1.12	0.13	
>50, <=75	30	#	2.07	1.20	0.17	0.09	1.89	2.33	-0.44	-0.24	
>75	40	10	2.97	5.78	-0.54	-0.15	3.58	3.19	0.38	0.11	
Unavailable or unknown	20	20	1.76	10.57	-1.69	-0.49	3.66	1.90	1.76	0.48	
Total undergraduate enrollment ³											
<= 825.5	330	70	50.22	43.68	1.26	0.03	48.81	48.98	-0.16	#	
>825.5, <=2,938	330	70	22.80	24.98	-0.42	-0.02	23.27	24.27	-1.00	-0.04	
>2,938, <=9,799.5	340	60	15.24	12.76	0.48	0.03	14.70	15.35	-0.65	-0.04	
>9,799.5	340	60	10.28	8.15	0.41	0.04	9.82	9.87	-0.05	-0.01	
Unavailable or unknown	20	20	1.47	10.43	-1.72	-0.54	3.39	1.53	1.87	0.55	
Total male undergraduate enrollment ³											
<=281	330	70	49.43	41.46	1.53	0.03	47.71	47.81	-0.10	#	
>281, <=1,251	330	70	24.52	28.84	-0.83	-0.03	25.45	26.38	-0.93	-0.04	
>1,251, <=4,208.5	340	60	14.27	11.61	0.51	0.04	13.70	14.42	-0.72	-0.05	
>4,208.5	340	60	10.31	7.67	0.51	0.05	9.74	9.86	-0.12	-0.01	
Unavailable or unknown	20	20	1.47	10.43	-1.72	-0.54	3.39	1.53	1.87	0.55	
Total female undergraduate enrollment ³											
<=472.5	330	70	51.49	43.97	1.44	0.03	49.87	50.34	-0.47	-0.01	
>472.5, <=1,645	330	70	20.93	24.05	-0.60	-0.03	21.60	22.27	-0.66	-0.03	
>1,645, <=5,422.5	350	50	15.40	13.13	0.44	0.03	14.91	15.57	-0.65	-0.04	
>5,422.5	340	60	10.72	8.42	0.44	0.04	10.22	10.30	-0.07	-0.01	
Unavailable or unknown	20	20	1.47	10.43	-1.72	-0.54	3.39	1.53	1.87	0.55	

See notes at end of table.

Table K-1. Institution nonresponse bias before nonresponse adjustment and after weight adjustments for selected variables for all institutions: 2004—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment				
	Unweighted respondents	Unweighted non-respondents	Respondent mean weighted	Non-respondent mean weighted	Estimated bias	Relative bias	Overall mean, before adjustments	Overall mean, after adjustments	Estimated bias	Relative bias	
Total graduate/first-professional enrollment ⁴											
<= 1,820.5	320	90	21.49	29.67	-1.57	-0.07	23.25	21.95	1.30	0.06	
> 1,820.5	320	60	8.68	5.10	0.69 ¹	0.09	7.91	8.50	-0.59	-0.07	
Total enrollment = 0	730	130	69.83	65.22	0.89	0.01	68.84	69.55	-0.71	-0.01	
Total male graduate/first-professional enrollment ⁴											
<= 727	330	80	22.16	29.29	-1.37	-0.06	23.69	22.41	1.28	0.05	
> 727	310	60	7.95	5.49	0.47	0.06	7.42	7.99	-0.57	-0.08	
Total enrollment = 0	730	130	69.89	65.22	0.90	0.01	68.89	69.60	-0.71	-0.01	
Total female graduate/first-professional enrollment ⁴											
<= 1,073.5	320	90	21.36	29.53	-1.57	-0.07	23.12	21.69	1.43	0.06	
> 1,073.5	320	60	8.78	5.24	0.68 ¹	0.08	8.02	8.73	-0.71	-0.09	
Total enrollment = 0	730	130	69.85	65.22	0.89	0.01	68.86	69.58	-0.72	-0.01	

† Not applicable.

Rounds to zero.

¹ Bias is significant at the 0.05/(c-1) level, where c is the number of categories within the primary variable.

² New England = Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont; Mid East = Delaware, District of Columbia, Maryland, New Jersey, New York, Pennsylvania; Great Lakes = Illinois, Indiana, Michigan, Ohio, Wisconsin; Plains = Iowa, Kansas, Minnesota, Missouri, Nebraska, North Dakota, South Dakota; Southeast = Alabama, Arkansas, Florida, Georgia, Kentucky, Louisiana, Mississippi, North Carolina, South Carolina, Tennessee, Virginia, West Virginia; Southwest = Arizona, New Mexico, Oklahoma, Texas; Rocky Mountains = Colorado, Idaho, Montana, Utah, Wyoming; Far West = Alaska, California, Hawaii, Nevada, Oregon, Washington; Outlying Areas = American Samoa, Federated States of Micronesia, Guam, Marshall Islands, Northern Mariana Islands, Puerto Rico, Palau, Virgin Islands.

³ Undergraduate enrollment categories were defined by quartiles.

⁴ Graduate/first-professional enrollment categories were defined by the median.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004 National Postsecondary Student Aid Study (NPSAS:04).

Table K-2. Institution nonresponse bias before nonresponse adjustment and after weight adjustments for selected variables for public less-than-2-year institutions: 2004

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted respondents	Unweighted non-respondents	Respondent mean weighted	Non-respondent mean weighted	Estimated bias	Relative bias	Overall mean, before adjustments	Overall mean, after adjustments	Estimated bias	Relative bias
Carnegie classification code										
Doctorate-granting/research universities—extensive	†	†	†	†	†	†	†	†	†	†
Doctorate-granting/research universities—intensive	†	†	†	†	†	†	†	†	†	†
Master's colleges and universities I	†	†	†	†	†	†	†	†	†	†
Master's (comprehensive) colleges and universities II	†	†	†	†	†	†	†	†	†	†
Baccalaureate colleges—liberal arts	†	†	†	†	†	†	†	†	†	†
Baccalaureate colleges—general	†	†	†	†	†	†	†	†	†	†
Baccalaureate/associate's colleges	†	†	†	†	†	†	†	†	†	†
Associate's colleges	†	†	†	†	†	†	†	†	†	†
Theological seminaries and other specialized faith-related institutions	†	†	†	†	†	†	†	†	†	†
Medical schools and medical centers	†	†	†	†	†	†	†	†	†	†
Other separate health profession schools	†	†	†	†	†	†	†	†	†	†
Schools of engineering and technology	†	†	†	†	†	†	†	†	†	†
Schools of business and management	†	†	†	†	†	†	†	†	†	†
Schools of art, music, and design	†	†	†	†	†	†	†	†	†	†
Schools of law	†	†	†	†	†	†	†	†	†	†
Teachers colleges	†	†	†	†	†	†	†	†	†	†
Other specialized institutions	†	†	†	†	†	†	†	†	†	†
Tribal colleges and universities	†	†	†	†	†	†	†	†	†	†
Unavailable or unknown	50	20	100.00	100.00	#	#	100.00	100.00	#	#
Degree of urbanization										
Large city	#	#	2.79	2.99	-0.05	-0.02	2.84	1.76	1.08	0.38
Mid-size city	10	#	4.53	5.71	-0.29	-0.06	4.85	3.21	1.64	0.34
Urban fringe of large city	10	#	31.78	23.52	2.01	0.07	29.57	45.74	-16.18	-0.55
Urban fringe of mid-size city	10	#	14.71	1.33	3.25	0.28	11.12	12.93	-1.81	-0.16

See notes at end of table.

Table K-2. Institution nonresponse bias before nonresponse adjustment and after weight adjustments for selected variables for public less-than-2-year institutions: 2004—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted respondents	Unweighted non-respondents	Respondent mean weighted	Non-respondent mean weighted	Estimated bias	Relative bias	Overall mean, before adjustments	Overall mean, after adjustments	Estimated bias	Relative bias
Large town	#	#	6.18	#	#	#	4.52	4.46	0.05	0.01
Small town	10	#	23.76	6.42	4.22	0.22	19.11	18.72	0.40	0.02
Rural	#	#	6.25	#	#	#	4.58	4.33	0.25	0.05
Not assigned	†	†	†	†	†	†	†	†	†	†
Unavailable or unknown	10	#	10.00	60.02	-12.16	-0.55	23.41	8.85	14.56	0.62
Bureau of Economic Analysis Code (Office of Business Economics [OBE]) Region ¹										
New England	#	#	#	60.02	-14.59	-1.00	16.09	†	†	†
Mid East	10	#	21.39	20.04	0.33	0.02	21.03	38.70	-17.67	-0.84
Great Lakes	10	#	23.17	3.30	4.83	0.26	17.84	19.43	-1.59	-0.09
Plains	#	#	13.82	1.21	3.07	0.29	10.44	10.99	-0.55	-0.05
Southeast	10	#	22.91	6.55	3.98	0.21	18.52	15.80	2.72	0.15
Southwest	#	#	10.54	4.95	1.36	0.15	9.04	8.81	0.23	0.03
Rocky Mountains	10	#	3.66	2.74	0.22	0.07	3.41	2.82	0.59	0.17
Far West	10	#	4.07	1.21	0.70	0.21	3.30	3.16	0.15	0.04
Outlying areas	#	#	0.44	#	#	#	0.32	0.30	0.03	0.09
Historically Black college or university										
Yes	†	†	†	†	†	†	†	†	†	†
No	50	20	100.00	100.00	#	#	100.00	100.00	#	#
Percent receiving federal grant aid										
<=25	#	#	2.54	6.46	-0.95	-0.27	3.59	1.93	1.66	0.46
>25, <=50	10	10	8.47	15.50	-1.71	-0.17	10.35	5.94	4.42	0.43
>50, <=75	20	#	61.02	15.61	11.04 ²	0.22	48.85	65.84	-16.99	-0.35
>75	10	#	17.52	#	#	#	12.83	17.14	-4.31	-0.34
Unavailable or unknown	10	#	10.44	62.43	-12.64	-0.55	24.38	9.15	15.23	0.62
Percent receiving state/local grant aid										
<=25	30	10	45.84	33.06	3.11	0.07	42.41	58.89	-16.48	-0.39
>25, <=50	10	#	33.98	1.21	7.97 ²	0.31	25.19	25.06	0.13	0.01
>50, <=75	10	#	8.08	#	#	#	5.91	5.54	0.37	0.06
>75	#	#	1.67	3.30	-0.40	-0.19	2.11	1.37	0.74	0.35
Unavailable or unknown	10	#	10.44	62.43	-12.64	-0.55	24.38	9.15	15.23	0.62

See notes at end of table.

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Table K-2. Institution nonresponse bias before nonresponse adjustment and after weight adjustments for selected variables for public less-than-2-year institutions: 2004—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment				
	Unweighted respondents	Unweighted non-respondents	Respondent mean weighted	Non-respondent mean weighted	Estimated bias	Relative bias	Overall mean, before adjustments	Overall mean, after adjustments	Estimated bias	Relative bias	
Percent receiving institutional grant aid											
<=25	40	10	89.12	35.78	12.97	0.17	74.82	90.36	-15.55	-0.21	
>25, <=50	#	#	#	1.79	-0.43	-1.00	0.48	†	†	†	
>50, <=75	#	#	0.44	#	#	#	0.32	0.49	-0.16	-0.50	
>75	†	†	†	†	†	†	†	†	†	†	
Unavailable or unknown	10	#	10.44	62.43	-12.64	-0.55	24.38	9.15	15.23	0.62	
Percent receiving student loan aid											
<=25	30	10	46.95	16.95	7.29	0.18	38.91	36.53	2.38	0.06	
>25, <=50	10	#	6.37	#	#	#	4.66	4.57	0.09	0.02	
>50, <=75	#	#	13.80	18.83	-1.22	-0.08	15.15	11.12	4.03	0.27	
>75	#	#	22.44	1.79	5.02	0.29	16.90	38.63	-21.73	-1.29	
Unavailable or unknown	10	#	10.44	62.43	-12.64	-0.55	24.38	9.15	15.23	0.62	
Percent enrolled: Black, non-Hispanic											
<=25	40	10	81.32	9.18	17.54 ²	0.27	61.98	85.93	-23.95	-0.39	
>25, <=50	#	10	9.56	16.06	-1.58	-0.14	11.30	6.11	5.20	0.46	
>50, <=75	#	#	#	12.33	-3.00	-1.00	3.31	†	†	†	
>75	†	†	†	†	†	†	†	†	†	†	
Unavailable or unknown	#	#	9.12	62.43	-12.96	-0.59	23.41	7.96	15.45	0.66	
Percent enrolled: Asian or Pacific Islander											
<=25	50	10	90.88	37.57	12.96	0.17	76.59	92.04	-15.45	-0.20	
>25, <=50	†	†	†	†	†	†	†	†	†	†	
>50, <=75	†	†	†	†	†	†	†	†	†	†	
>75	†	†	†	†	†	†	†	†	†	†	
Unavailable or unknown	#	#	9.12	62.43	-12.96	-0.59	23.41	7.96	15.45	0.66	
Percent enrolled: Hispanic											
<=25	40	10	88.23	37.57	12.32	0.16	74.65	89.87	-15.23	-0.20	
>25, <=50	#	#	1.77	#	#	#	1.29	1.37	-0.08	-0.06	
>50, <=75	#	#	0.88	#	#	#	0.65	0.79	-0.15	-0.23	
>75	†	†	†	†	†	†	†	†	†	†	
Unavailable or unknown	#	#	9.12	62.43	-12.96	-0.59	23.41	7.96	15.45	0.66	

See notes at end of table.

Table K-2. Institution nonresponse bias before nonresponse adjustment and after weight adjustments for selected variables for public less-than-2-year institutions: 2004—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted respondents	Unweighted non-respondents	Respondent mean weighted	Non-respondent mean weighted	Estimated bias	Relative bias	Overall mean, before adjustments	Overall mean, after adjustments	Estimated bias	Relative bias
Total undergraduate enrollment ³										
<=206	10	#	54.94	21.99	8.01	0.17	46.11	66.55	-20.45	-0.44
>206, <=798	10	#	21.19	3.72	4.25	0.25	16.51	14.76	1.75	0.11
>798, <=2,099	10	#	8.86	7.65	0.29	0.03	8.54	5.80	2.74	0.32
>2099	10	#	5.89	4.20	0.41	0.08	5.44	4.93	0.51	0.09
Unavailable or unknown	#	#	9.12	62.43	-12.96	-0.59	23.41	7.96	15.45	0.66
Total male undergraduate enrollment ³										
<=87	10	#	50.48	25.72	6.02	0.14	43.84	62.15	-18.30	-0.42
>87, <=309	10	#	23.43	#	# ²	#	17.15	17.58	-0.44	-0.03
>309, <=1,015	10	#	11.52	6.16	1.30	0.13	10.08	7.76	2.33	0.23
>1,015	10	#	5.45	5.69	-0.06	-0.01	5.52	4.55	0.96	0.17
Unavailable or unknown	#	#	9.12	62.43	-12.96	-0.59	23.41	7.96	15.45	0.66
Total female undergraduate enrollment ³										
<=119	10	#	54.51	21.99	7.91	0.17	45.79	66.22	-20.43	-0.45
>119, <=342	10	#	21.78	3.72	4.39	0.25	16.94	15.18	1.76	0.10
>342, <=927	10	10	8.26	9.44	-0.29	-0.03	8.58	5.41	3.17	0.37
>927	10	#	6.33	2.41	0.95	0.18	5.28	5.23	0.05	0.01
Unavailable or unknown	#	#	9.12	62.43	-12.96	-0.59	23.41	7.96	15.45	0.66

† Not applicable.

Rounds to zero.

¹ New England = Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont; Mid East = Delaware, District of Columbia, Maryland, New Jersey, New York, Pennsylvania; Great Lakes = Illinois, Indiana, Michigan, Ohio, Wisconsin; Plains = Iowa, Kansas, Minnesota, Missouri, Nebraska, North Dakota, South Dakota; Southeast = Alabama, Arkansas, Florida, Georgia, Kentucky, Louisiana, Mississippi, North Carolina, South Carolina, Tennessee, Virginia, West Virginia; Southwest = Arizona, New Mexico, Oklahoma, Texas; Rocky Mountains = Colorado, Idaho, Montana, Utah, Wyoming; Far West = Alaska, California, Hawaii, Nevada, Oregon, Washington; Outlying Areas = American Samoa, Federated States of Micronesia, Guam, Marshall Islands, Northern Mariana Islands, Puerto Rico, Palau, Virgin Islands.

² Bias is significant at the 0.05/(c-1) level, where c is the number of categories within the primary variable.

³ Undergraduate enrollment categories were defined by quartiles.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004 National Postsecondary Student Aid Study (NPSAS:04).

Table K-3. Institution nonresponse bias before nonresponse adjustment and after weight adjustments for selected variables for public 2-year institutions: 2004

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted respondents	Unweighted non-respondents	Respondent mean weighted	Non-respondent mean weighted	Estimated bias	Relative bias	Overall mean, before adjustments	Overall mean, after adjustments	Estimated bias	Relative bias
Carnegie classification code										
Doctorate-granting/research universities—extensive	†	†	†	†	†	†	†	†	†	†
Doctorate-granting/research universities—intensive	†	†	†	†	†	†	†	†	†	†
Master's colleges and universities I	†	†	†	†	†	†	†	†	†	†
Master's (comprehensive) colleges and universities II	†	†	†	†	†	†	†	†	†	†
Baccalaureate colleges—liberal arts	†	†	†	†	†	†	†	†	†	†
Baccalaureate colleges—general	†	†	†	†	†	†	†	†	†	†
Baccalaureate/associate's colleges	†	†	†	†	†	†	†	†	†	†
Associate's colleges	260	40	84.54	94.02	-2.21	-0.03	86.68	80.01	6.68	0.08
Theological seminaries and other specialized faith-related institutions	†	†	†	†	†	†	†	†	†	†
Medical schools and medical centers	†	†	†	†	†	†	†	†	†	†
Other separate health profession schools	†	†	†	†	†	†	†	†	†	†
Schools of engineering and technology	†	†	†	†	†	†	†	†	†	†
Schools of business and management	†	†	†	†	†	†	†	†	†	†
Schools of art, music, and design	†	†	†	†	†	†	†	†	†	†
Schools of law	†	†	†	†	†	†	†	†	†	†
Teachers colleges	†	†	†	†	†	†	†	†	†	†
Other specialized institutions	†	†	†	†	†	†	†	†	†	†
Tribal colleges and universities	#	#	0.28	#	#	#	0.21	0.22	-0.01	-0.04
Unavailable or unknown	60	10	15.18	5.98	2.14	0.16	13.11	19.77	-6.67	-0.51
Degree of urbanization										
Large city	50	10	12.27	6.75	1.28	0.12	11.02	11.72	-0.70	-0.06
Mid-size city	90	10	25.91	32.17	-1.46	-0.05	27.32	24.84	2.48	0.09
Urban fringe of large city	70	20	18.16	20.99	-0.66	-0.03	18.80	16.35	2.45	0.13

See notes at end of table.

Table K-3. Institution nonresponse bias before nonresponse adjustment and after weight adjustments for selected variables for public 2-year institutions: 2004—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted respondents	Unweighted non-respondents	Respondent mean weighted	Non-respondent mean weighted	Estimated bias	Relative bias	Overall mean, before adjustments	Overall mean, after adjustments	Estimated bias	Relative bias
Urban fringe of mid-size city	20	#	4.12	1.31	0.65	0.19	3.48	3.64	-0.16	-0.05
Large town	10	#	2.49	8.83	-1.48	-0.37	3.92	2.13	1.79	0.46
Small town	70	10	25.07	26.82	-0.41	-0.02	25.46	25.72	-0.26	-0.01
Rural	20	#	6.93	1.41	1.29	0.23	5.69	6.06	-0.37	-0.06
Not assigned	10	#	1.40	0.51	0.21	0.17	1.20	1.31	-0.11	-0.09
Unavailable or unknown	10	#	3.65	1.21	0.57	0.18	3.10	8.23	-5.13	-1.65
Bureau of Economic Analysis Code (Office of Business Economics [OBE]) Region ¹										
New England	20	#	4.33	3.93	0.09	0.02	4.24	4.53	-0.29	-0.07
Mid East	40	10	8.86	10.22	-0.32	-0.03	9.17	12.20	-3.04	-0.33
Great Lakes	60	#	16.10	3.25	2.99 ²	0.23	13.20	16.12	-2.92	-0.22
Plains	40	10	12.38	5.66	1.57	0.14	10.87	12.48	-1.62	-0.15
Southeast	90	10	31.45	27.92	0.82	0.03	30.65	28.87	1.78	0.06
Southwest	40	#	12.01	1.99	2.33 ²	0.24	9.75	10.79	-1.04	-0.11
Rocky Mountains	#	#	2.01	21.50	-4.54	-0.69	6.41	2.78	3.63	0.57
Far West	40	20	12.41	25.01	-2.93	-0.19	15.25	11.86	3.39	0.22
Outlying areas	#	#	0.45	0.51	-0.02	-0.03	0.46	0.36	0.10	0.22
Historically Black college or university										
Yes	#	#	2.85	#	#	#	2.21	2.54	-0.34	-0.15
No	320	60	97.15	100.00	-0.66	-0.01	97.79	97.46	0.34	#
Percent receiving federal grant aid										
<=25	80	10	22.83	19.47	0.78	0.04	22.07	20.57	1.50	0.07
>25, <=50	170	30	48.43	49.00	-0.13	#	48.56	45.35	3.20	0.07
>50, <=75	60	10	20.98	23.03	-0.48	-0.02	21.44	21.09	0.35	0.02
>75	10	#	3.95	7.30	-0.78	-0.16	4.71	5.02	-0.31	-0.07
Unavailable or unknown	10	#	3.81	1.21	0.61	0.19	3.22	7.98	-4.75	-1.47
Percent receiving state/local grant aid										
<=25	150	30	48.11	49.92	-0.42	-0.01	48.52	47.06	1.46	0.03
>25, <=50	90	20	30.54	45.02	-3.37	-0.10	33.80	29.84	3.97	0.12
>50, <=75	50	10	11.16	3.45	1.79 ²	0.19	9.42	9.71	-0.29	-0.03
>75	30	#	6.38	0.40	1.39 ²	0.28	5.03	5.42	-0.39	-0.08
Unavailable or unknown	10	#	3.81	1.21	0.61	0.19	3.22	7.98	-4.75	-1.47

See notes at end of table.

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Table K-3. Institution nonresponse bias before nonresponse adjustment and after weight adjustments for selected variables for public 2-year institutions: 2004—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment				
	Unweighted respondents	Unweighted non-respondents	Respondent mean weighted	Non-respondent mean weighted	Estimated bias	Relative bias	Overall mean, before adjustments	Overall mean, after adjustments	Estimated bias	Relative bias	
Percent receiving institutional grant aid											
<=25	280	50	75.29	81.95	-1.55	-0.02	76.79	70.80	6.00	0.08	
>25, <=50	30	#	15.03	0.40	3.41 ²	0.29	11.73	15.28	-3.55	-0.30	
>50, <=75	#	#	4.86	16.44	-2.69	-0.36	7.48	5.23	2.24	0.30	
>75	#	#	1.00	#	#	#	0.78	0.72	0.05	0.07	
Unavailable or unknown	10	#	3.81	1.21	0.61	0.19	3.22	7.98	-4.75	-1.47	
Percent receiving student loan aid											
<=25	250	40	74.81	74.88	-0.02	#	74.83	69.82	5.01	0.07	
>25, <=50	60	10	14.59	22.30	-1.80	-0.11	16.33	13.88	2.44	0.15	
>50, <=75	10	#	6.56	1.61	1.15	0.21	5.44	8.13	-2.69	-0.49	
>75	#	#	0.23	#	#	#	0.18	0.19	-0.01	-0.06	
Unavailable or unknown	10	#	3.81	1.21	0.61	0.19	3.22	7.98	-4.75	-1.47	
Percent enrolled: Black, non-Hispanic											
<=25	260	50	81.41	73.08	1.94	0.02	79.53	83.08	-3.54	-0.04	
>25, <=50	40	10	12.00	17.40	-1.26	-0.09	13.22	10.68	2.54	0.19	
>50, <=75	10	#	3.88	8.30	-1.03	-0.21	4.88	3.61	1.28	0.26	
>75	#	#	2.23	#	#	#	1.73	2.10	-0.37	-0.21	
Unavailable or unknown	#	#	0.47	1.21	-0.17	-0.27	0.64	0.54	0.10	0.15	
Percent enrolled: Asian or Pacific Islander											
<=25	310	50	97.86	95.79	0.48	#	97.39	97.77	-0.38	#	
>25, <=50	10	#	1.25	0.81	0.10	0.09	1.15	1.28	-0.13	-0.11	
>50, <=75	#	#	0.42	#	#	#	0.33	0.41	-0.09	-0.27	
>75	#	#	#	2.20	-0.51	-1.00	0.50	†	†	†	
Unavailable or unknown	#	#	0.47	1.21	-0.17	-0.27	0.64	0.54	0.10	0.15	
Percent enrolled: Hispanic											
<=25	280	40	89.64	90.58	-0.22	#	89.85	90.39	-0.54	-0.01	
>25, <=50	30	10	8.12	5.42	0.63	0.08	7.51	7.49	0.02	#	
>50, <=75	10	#	1.06	0.40	0.15	0.17	0.91	0.94	-0.03	-0.03	
>75	10	#	0.71	2.39	-0.39	-0.36	1.09	0.63	0.46	0.42	
Unavailable or unknown	#	#	0.47	1.21	-0.17	-0.27	0.64	0.54	0.10	0.15	

See notes at end of table.

Table K-3. Institution nonresponse bias before nonresponse adjustment and after weight adjustments for selected variables for public 2-year institutions: 2004—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted respondents	Unweighted non-respondents	Respondent mean weighted	Non-respondent mean weighted	Estimated bias	Relative bias	Overall mean, before adjustments	Overall mean, after adjustments	Estimated bias	Relative bias
Total undergraduate enrollment ³										
<=3,564	80	10	33.29	43.40	-2.35	-0.07	35.57	39.10	-3.54	-0.10
>3,564, <=7,738	80	10	26.51	20.92	1.30	0.05	25.24	26.30	-1.05	-0.04
>7,738, <=16,918	80	10	25.52	17.79	1.80	0.08	23.78	21.70	2.08	0.09
>16,918	70	20	14.21	16.69	-0.58	-0.04	14.77	12.37	2.41	0.16
Unavailable or unknown	#	#	0.47	1.21	-0.17	-0.27	0.64	0.54	0.10	0.15
Total male undergraduate enrollment ³										
<=1,355	80	10	36.08	44.31	-1.91	-0.05	37.94	42.35	-4.41	-0.12
>1,355, <=3,237	90	10	25.28	19.61	1.32	0.06	24.00	24.66	-0.67	-0.03
>3,237, <=7,322	80	10	24.40	19.72	1.09	0.05	23.35	20.36	2.98	0.13
>7,322	70	20	13.76	15.16	-0.33	-0.02	14.08	12.08	1.99	0.14
Unavailable or unknown	#	#	0.47	1.21	-0.17	-0.27	0.64	0.54	0.10	0.15
Total female undergraduate enrollment ³										
<=2,204	80	10	31.61	36.50	-1.14	-0.03	32.71	37.42	-4.71	-0.14
>2,204, <=4,521	90	10	28.35	19.92	1.96	0.07	26.45	28.27	-1.82	-0.07
>4,521, <=9,679	80	10	26.04	25.68	0.08	#	25.96	22.05	3.90	0.15
>9,679	70	20	13.53	16.69	-0.74	-0.05	14.24	11.71	2.54	0.18
Unavailable or unknown	#	#	0.47	1.21	-0.17	-0.27	0.64	0.54	0.10	0.15

† Not applicable.

Rounds to zero.

¹ New England = Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont; Mid East = Delaware, District of Columbia, Maryland, New Jersey, New York, Pennsylvania; Great Lakes = Illinois, Indiana, Michigan, Ohio, Wisconsin; Plains = Iowa, Kansas, Minnesota, Missouri, Nebraska, North Dakota, South Dakota; Southeast = Alabama, Arkansas, Florida, Georgia, Kentucky, Louisiana, Mississippi, North Carolina, South Carolina, Tennessee, Virginia, West Virginia; Southwest = Arizona, New Mexico, Oklahoma, Texas; Rocky Mountains = Colorado, Idaho, Montana, Utah, Wyoming; Far West = Alaska, California, Hawaii, Nevada, Oregon, Washington; Outlying Areas = American Samoa, Federated States of Micronesia, Guam, Marshall Islands, Northern Mariana Islands, Puerto Rico, Palau, Virgin Islands.

² Bias is significant at the 0.05/(c-1) level, where c is the number of categories within the primary variable.

³ Undergraduate enrollment categories were defined by quartiles.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004 National Postsecondary Student Aid Study (NPSAS:04).

Table K-4. Institution nonresponse bias before nonresponse adjustment and after weight adjustments for selected variables for public 4-year non-doctorate-granting institutions: 2004

Variable	Before nonresponse adjustment						After nonresponse adjustment				
	Unweighted respondents	Unweighted non-respondents	Respondent mean weighted	Non-respondent mean weighted	Estimated bias	Relative bias	Overall mean, before adjustments	Overall mean, after adjustments	Estimated bias	Relative bias	
Carnegie classification code											
Doctorate-granting/research universities—extensive	†	†	†	†	†	†	†	†	†	†	†
Doctorate-granting/research universities—intensive	†	†	†	†	†	†	†	†	†	†	†
Master's colleges and universities I	70	10	44.90	32.81	2.47	0.06	41.44	47.05	-5.60	-0.14	
Master's (comprehensive) colleges and universities II	10	#	4.20	7.59	-0.69	-0.14	5.17	3.69	1.48	0.29	
Baccalaureate colleges—liberal arts	#	#	2.69	0.82	0.38	0.17	2.16	2.83	-0.67	-0.31	
Baccalaureate colleges—general	10	#	19.48	50.75	-6.39	-0.25	28.42	19.01	9.40	0.33	
Baccalaureate/associate's colleges	10	#	2.85	#	#	#	2.03	2.17	-0.14	-0.07	
Associate's colleges	#	#	1.67	#	#	#	1.19	1.06	0.13	0.11	
Theological seminaries and other specialized faith-related institutions	†	†	†	†	†	†	†	†	†	†	†
Medical schools and medical centers	†	†	†	†	†	†	†	†	†	†	†
Other separate health profession schools	†	†	†	†	†	†	†	†	†	†	†
Schools of engineering and technology	#	#	8.21	#	#	#	5.86	9.27	-3.41	-0.58	
Schools of business and management	†	†	†	†	†	†	†	†	†	†	†
Schools of art, music, and design	†	†	†	†	†	†	†	†	†	†	†
Schools of law	†	†	†	†	†	†	†	†	†	†	†
Teachers colleges	†	†	†	†	†	†	†	†	†	†	†
Other specialized institutions	#	#	14.68	0.82	2.83	0.24	10.72	14.03	-3.31	-0.31	
Tribal colleges and universities	†	†	†	†	†	†	†	†	†	†	†
Unavailable or unknown	#	#	1.32	7.20	-1.20	-0.48	3.00	0.89	2.11	0.70	
Degree of urbanization											
Large city	20	#	7.45	1.65	1.18	0.19	5.79	6.71	-0.92	-0.16	
Mid-size city	30	#	16.87	50.01	-6.77	-0.29	26.34	15.70	10.65	0.40	
Urban fringe of large city	20	#	10.59	8.02	0.52	0.05	9.85	12.31	-2.45	-0.25	
Urban fringe of mid-size city	10	#	9.62	3.19	1.31	0.16	7.78	10.17	-2.39	-0.31	
Large town	10	#	12.08	#	#	#	8.63	13.15	-4.52	-0.52	
Small town	30	10	36.25	35.48	0.16	#	36.03	37.44	-1.41	-0.04	

See notes at end of table.

Table K-4. Institution nonresponse bias before nonresponse adjustment and after weight adjustments for selected variables for public 4-year non-doctorate-granting institutions: 2004—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted respondents	Unweighted non-respondents	Respondent mean weighted	Non-respondent mean weighted	Estimated bias	Relative bias	Overall mean, before adjustments	Overall mean, after adjustments	Estimated bias	Relative bias
Rural	#	#	3.40	0.82	0.53	0.18	2.67	2.15	0.52	0.19
Not assigned	#	#	2.43	#	#	#	1.73	1.49	0.24	0.14
Unavailable or unknown	#	#	1.32	0.82	0.10	0.08	1.18	0.89	0.29	0.25
Bureau of Economic Analysis Code (Office of Business Economics [OBE]) Region ¹										
New England	10	#	19.56	42.41	-4.67	-0.19	26.10	17.72	8.37	0.32
Mid East	20	#	14.88	15.65	-0.16	-0.01	15.10	15.33	-0.24	-0.02
Great Lakes	20	#	6.87	7.73	-0.18	-0.02	7.12	7.02	0.10	0.01
Plains	10	#	5.46	9.16	-0.75	-0.12	6.52	4.79	1.73	0.27
Southeast	30	#	24.85	3.99	4.26	0.21	18.88	20.70	-1.82	-0.10
Southwest	10	#	4.54	14.47	-2.03	-0.31	7.38	4.29	3.09	0.42
Rocky Mountains	10	#	14.07	#	#	#	10.05	18.49	-8.45	-0.84
Far West	20	10	7.33	6.59	0.15	0.02	7.12	10.17	-3.05	-0.43
Outlying areas	#	#	2.43	#	#	#	1.73	1.49	0.24	0.14
Historically Black college or university										
Yes	10	#	8.61	#	# ²	#	6.15	5.51	0.64	0.10
No	110	20	91.39	100.00	-1.76 ²	-0.02	93.85	94.49	-0.64	-0.01
Percent receiving federal grant aid										
<=25	30	10	39.31	16.00	4.76	0.14	32.64	39.92	-7.28	-0.22
>25, <=50	60	10	42.09	67.16	-5.12	-0.11	49.26	45.03	4.23	0.09
>50, <=75	20	#	8.94	1.54	1.51	0.20	6.82	7.23	-0.40	-0.06
>75	#	#	6.16	14.47	-1.70	-0.22	8.54	4.25	4.29	0.50
Unavailable or unknown	#	#	3.50	0.82	0.55	0.19	2.74	3.57	-0.84	-0.31
Percent receiving state/local grant aid										
<=25	20	10	25.47	70.86	-9.27	-0.27	38.45	27.43	11.02	0.29
>25, <=50	50	10	53.16	23.45	6.07	0.13	44.67	54.24	-9.58	-0.21
>50, <=75	20	#	12.44	3.32	1.86	0.18	9.83	10.37	-0.53	-0.05
>75	10	#	5.42	1.54	0.79	0.17	4.31	4.38	-0.07	-0.02
Unavailable or unknown	#	#	3.50	0.82	0.55	0.19	2.74	3.57	-0.84	-0.31
Percent receiving institutional grant aid										
<=25	70	10	63.12	69.06	-1.21	-0.02	64.82	61.12	3.70	0.06
>25, <=50	20	10	20.53	20.96	-0.09	#	20.66	21.20	-0.54	-0.03

See notes at end of table.

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Table K-4. Institution nonresponse bias before nonresponse adjustment and after weight adjustments for selected variables for public 4-year non-doctorate-granting institutions: 2004—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted respondents	Unweighted non-respondents	Respondent mean weighted	Non-respondent mean weighted	Estimated bias	Relative bias	Overall mean, before adjustments	Overall mean, after adjustments	Estimated bias	Relative bias
>50, <=75	10	#	12.85	9.16	0.75	0.06	11.79	14.12	-2.32	-0.20
>75	†	†	†	†	†	†	†	†	†	†
Unavailable or unknown	#	#	3.50	0.82	0.55	0.19	2.74	3.57	-0.84	-0.31
Percent receiving student loan aid										
<=25	30	#	14.23	14.79	-0.12	-0.01	14.39	13.04	1.35	0.09
>25, <=50	50	10	43.26	20.82	4.58	0.12	36.84	42.94	-6.10	-0.17
>50, <=75	30	10	36.82	12.82	4.90	0.15	29.96	38.20	-8.25	-0.28
>75	#	#	2.19	50.75	-9.92	-0.82	16.08	2.24	13.83	0.86
Unavailable or unknown	#	#	3.50	0.82	0.55	0.19	2.74	3.57	-0.84	-0.31
Percent enrolled: Black, non-Hispanic										
<=25	100	20	88.56	53.59	7.14	0.09	78.56	91.63	-13.06	-0.17
>25, <=50	10	#	3.83	3.99	-0.03	-0.01	3.88	3.44	0.44	0.11
>50, <=75	†	†	†	†	†	†	†	†	†	†
>75	10	#	7.61	#	#	#	5.43	4.93	0.50	0.09
Unavailable or unknown	#	#	#	42.41	-8.66	-1.00	12.13	†	†	†
Percent enrolled: Asian or Pacific Islander										
<=25	110	20	97.96	55.94	8.59	0.10	85.95	97.64	-11.69	-0.14
>25, <=50	#	#	2.04	1.65	0.08	0.04	1.92	2.36	-0.44	-0.23
>50, <=75	†	†	†	†	†	†	†	†	†	†
>75	†	†	†	†	†	†	†	†	†	†
Unavailable or unknown	#	#	#	42.41	-8.66	-1.00	12.13	†	†	†
Percent enrolled: Hispanic										
<=25	100	20	92.66	41.47	10.46	0.13	78.02	93.45	-15.43	-0.20
>25, <=50	10	#	4.52	15.30	-2.20	-0.33	7.60	4.65	2.95	0.39
>50, <=75	†	†	†	†	†	†	†	†	†	†
>75	#	#	2.82	0.82	0.41	0.17	2.25	1.90	0.35	0.16
Unavailable or unknown	#	#	#	42.41	-8.66	-1.00	12.13	†	†	†
Total undergraduate enrollment ³										
<=3,892	30	10	49.62	26.10	4.80	0.11	42.90	48.73	-5.83	-0.14
>3,892, <=6,690	30	#	22.19	19.91	0.47	0.02	21.54	18.12	3.42	0.16
>6,690, <=11,155	30	#	16.72	1.92	3.02 ²	0.22	12.49	19.96	-7.48	-0.60
>11,155	30	10	11.47	9.65	0.37	0.03	10.95	13.19	-2.24	-0.20
Unavailable or unknown	#	#	#	42.41	-8.66	-1.00	12.13	†	†	†

See notes at end of table.

Table K-4. Institution nonresponse bias before nonresponse adjustment and after weight adjustments for selected variables for public 4-year non-doctorate-granting institutions: 2004—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted respondents	Unweighted non-respondents	Respondent mean weighted	Non-respondent mean weighted	Estimated bias	Relative bias	Overall mean, before adjustments	Overall mean, after adjustments	Estimated bias	Relative bias
Total male undergraduate enrollment ³										
<=1,505	30	10	53.23	26.10	5.54	0.12	45.47	52.02	-6.54	-0.14
>1,505, <=2,664	30	#	18.19	15.65	0.52	0.03	17.46	14.49	2.98	0.17
>2,664, <=4,596	30	#	16.47	7.01	1.93	0.13	13.77	20.41	-6.64	-0.48
>4,596	30	10	12.10	8.83	0.67	0.06	11.17	13.09	-1.92	-0.17
Unavailable or unknown	#	#	#	42.41	-8.66	-1.00	12.13	†	†	†
Total female undergraduate enrollment ³										
<=2,317	30	10	43.21	39.25	0.81	0.02	42.08	44.10	-2.02	-0.05
>2,317, <=4,181	30	#	29.47	6.76	4.64	0.19	22.98	25.76	-2.78	-0.12
>4,181, <=6,285	30	#	15.51	5.91	1.96	0.14	12.77	16.26	-3.50	-0.27
>6,285	30	10	11.80	5.66	1.25	0.12	10.05	13.88	-3.83	-0.38
Unavailable or unknown	#	#	#	42.41	-8.66	-1.00	12.13	†	†	†
Total graduate/first-professional enrollment ⁴										
<=1,384	50	10	39.90	87.60	-9.74 ²	-0.20	53.54	36.67	16.87 ²	0.32
>1,384	50	10	25.68	11.58	2.88	0.13	21.64	30.09	-8.44	-0.39
Total enrollment = 0	20	#	34.43	0.82	6.86 ²	0.25	24.82	33.25	-8.43	-0.34
Total male graduate/first-professional enrollment ⁴										
<=462	50	10	40.96	87.60	-9.53 ²	-0.19	54.29	39.01	15.29	0.28
>462	50	10	24.62	11.58	2.66	0.12	20.89	27.75	-6.86	-0.33
Total enrollment = 0	20	#	34.43	0.82	6.86 ²	0.25	24.82	33.25	-8.43	-0.34
Total female graduate/first-professional enrollment ⁴										
<=888	50	10	39.24	88.42	-10.05 ²	-0.20	53.30	36.01	17.29 ²	0.32
>888	50	10	26.01	10.75	3.12	0.14	21.64	30.32	-8.68	-0.40
Total enrollment = 0	20	#	34.76	0.82	6.93 ²	0.25	25.05	33.67	-8.61	-0.34

† Not applicable.

Rounds to zero.

¹ New England = Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont; Mid East = Delaware, District of Columbia, Maryland, New Jersey, New York, Pennsylvania; Great Lakes = Illinois, Indiana, Michigan, Ohio, Wisconsin; Plains = Iowa, Kansas, Minnesota, Missouri, Nebraska, North Dakota, South Dakota; Southeast = Alabama, Arkansas, Florida, Georgia, Kentucky, Louisiana, Mississippi, North Carolina, South Carolina, Tennessee, Virginia, West Virginia; Southwest = Arizona, New Mexico, Oklahoma, Texas; Rocky Mountains = Colorado, Idaho, Montana, Utah, Wyoming; Far West = Alaska, California, Hawaii, Nevada, Oregon, Washington; Outlying Areas = American Samoa, Federated States of Micronesia, Guam, Marshall Islands, Northern Mariana Islands, Puerto Rico, Palau, Virgin Islands.

² Bias is significant at the 0.05/(c-1) level, where c is the number of categories within the primary variable.

³ Undergraduate enrollment categories were defined by quartiles.

⁴ Graduate/first-professional enrollment categories were defined by the median.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004 National Postsecondary Student Aid Study (NPSAS:04).

Table K-5. Institution nonresponse bias before nonresponse adjustment and after weight adjustments for selected variables for private not-for-profit 4-year non-doctorate-granting institutions: 2004

Variable	Before nonresponse adjustment						After nonresponse adjustment				
	Unweighted respondents	Unweighted non-respondents	Respondent mean weighted	Non-respondent mean weighted	Estimated bias	Relative bias	Overall mean, before adjustments	Overall mean, after adjustments	Estimated bias	Relative bias	
Carnegie classification code											
Doctorate-granting/research universities—extensive	†	†	†	†	†	†	†	†	†	†	
Doctorate-granting/research universities—intensive	†	†	†	†	†	†	†	†	†	†	
Master's colleges and universities I	40	10	13.72	18.23	-0.92	-0.06	14.57	14.77	-0.20	-0.01	
Master's (comprehensive) colleges and universities II	10	#	5.97	4.12	0.38	0.07	5.62	4.98	0.64	0.11	
Baccalaureate colleges—liberal arts	40	10	13.92	11.86	0.42	0.03	13.53	13.12	0.41	0.03	
Baccalaureate colleges—general	60	10	28.37	30.97	-0.53	-0.02	28.86	26.82	2.04	0.07	
Baccalaureate/associate's colleges	#	#	0.81	5.35	-0.93	-0.53	1.67	0.81	0.86	0.51	
Associate's colleges	10	#	2.33	3.82	-0.30	-0.12	2.61	3.32	-0.71	-0.27	
Theological seminaries and other specialized faith-related institutions	10	#	20.14	6.17	2.86	0.17	17.50	18.13	-0.63	-0.04	
Medical schools and medical centers	†	†	†	†	†	†	†	†	†	†	
Other separate health profession schools	10	#	2.99	2.03	0.20	0.07	2.81	4.61	-1.81	-0.64	
Schools of engineering and technology	#	#	1.40	#	#	#	1.14	1.11	0.03	0.03	
Schools of business and management	10	#	1.87	2.97	-0.22	-0.11	2.08	2.68	-0.60	-0.29	
Schools of art, music, and design	10	10	3.02	7.35	-0.89	-0.23	3.84	3.02	0.82	0.21	
Schools of law	†	†	†	†	†	†	†	†	†	†	
Teachers colleges	#	#	0.58	#	#	#	0.47	1.38	-0.91	-1.94	
Other specialized institutions	#	#	1.63	3.85	-0.45	-0.22	2.05	1.45	0.60	0.29	
Tribal colleges and universities	†	†	†	†	†	†	†	†	†	†	
Unavailable or unknown	10	#	3.23	3.28	-0.01	#	3.24	3.80	-0.55	-0.17	
Degree of urbanization											
Large city	50	10	13.80	32.48	-3.82	-0.22	17.33	14.07	3.26	0.19	
Mid-size city	60	20	21.32	29.97	-1.77	-0.08	22.95	20.88	2.07	0.09	
Urban fringe of large city	40	10	32.41	13.13	3.95	0.14	28.76	35.54	-6.78	-0.24	
Urban fringe of mid-size city	20	10	9.27	18.93	-1.98	-0.18	11.10	8.83	2.27	0.20	
Large town	10	#	1.39	#	#	#	1.13	1.18	-0.05	-0.05	

See notes at end of table.

Table K-5. Institution nonresponse bias before nonresponse adjustment and after weight adjustments for selected variables for private not-for-profit 4-year non-doctorate-granting institutions: 2004—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted respondents	Unweighted non-respondents	Respondent mean weighted	Non-respondent mean weighted	Estimated bias	Relative bias	Overall mean, before adjustments	Overall mean, after adjustments	Estimated bias	Relative bias
Small town	30	10	10.14	4.99	1.05	0.12	9.17	8.98	0.19	0.02
Rural	10	#	9.66	#	#	#	7.83	8.95	-1.12	-0.14
Not assigned	#	#	1.78	0.50	0.26	0.17	1.54	1.37	0.17	0.11
Unavailable or unknown	#	#	0.23	#	#	#	0.19	0.20	-0.01	-0.06
Bureau of Economic Analysis Code (Office of Business Economics [OBE]) Region ¹										
New England	20	#	8.88	12.17	-0.67	-0.07	9.50	12.43	-2.93	-0.31
Mid East	20	10	12.51	14.71	-0.45	-0.03	12.93	16.14	-3.21	-0.25
Great Lakes	50	10	27.28	26.98	0.06	#	27.22	23.41	3.82	0.14
Plains	40	#	19.55	2.01	3.59 ²	0.22	16.23	17.26	-1.04	-0.06
Southeast	50	10	16.69	29.35	-2.59	-0.13	19.08	14.88	4.21	0.22
Southwest	10	#	1.66	6.89	-1.07	-0.39	2.65	1.87	0.78	0.29
Rocky Mountains	#	#	0.12	3.85	-0.76	-0.87	0.82	0.10	0.72	0.88
Far West	30	#	11.65	4.04	1.56	0.15	10.21	12.63	-2.42	-0.24
Outlying areas	#	#	1.67	#	#	#	1.35	1.28	0.07	0.05
Historically Black college or university										
Yes	10	#	3.38	7.73	-0.89	-0.21	4.21	2.82	1.39	0.33
No	210	50	96.62	92.27	0.89	0.01	95.79	97.18	-1.39	-0.01
Percent receiving federal grant aid										
<=25	80	20	29.12	33.08	-0.81	-0.03	29.87	27.15	2.72	0.09
>25, <=50	100	20	41.73	43.42	-0.35	-0.01	42.05	40.57	1.48	0.04
>50, <=75	30	#	14.85	10.40	0.91	0.07	14.00	15.42	-1.41	-0.10
>75	10	#	10.26	9.88	0.08	0.01	10.18	10.35	-0.16	-0.02
Unavailable or unknown	10	#	4.05	3.22	0.17	0.04	3.89	6.51	-2.62	-0.67
Percent receiving state/local grant aid										
<=25	90	20	50.61	18.53	6.56 ²	0.15	44.54	47.41	-2.87	-0.06
>25, <=50	80	20	25.57	49.17	-4.83	-0.16	30.04	26.27	3.76	0.13

See notes at end of table.

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Table K-5. Institution nonresponse bias before nonresponse adjustment and after weight adjustments for selected variables for private not-for-profit 4-year non-doctorate-granting institutions: 2004—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted respondents	Unweighted non-respondents	Respondent mean weighted	Non-respondent mean weighted	Estimated bias	Relative bias	Overall mean, before adjustments	Overall mean, after adjustments	Estimated bias	Relative bias
>50, <=75	30	10	15.13	14.37	0.16	0.01	14.98	15.01	-0.02	#
>75	10	#	4.64	14.71	-2.06	-0.31	6.55	4.80	1.75	0.27
Unavailable or unknown	10	#	4.05	3.22	0.17	0.04	3.89	6.51	-2.62	-0.67
Percent receiving institutional grant aid										
<=25	20	10	14.43	16.10	-0.34	-0.02	14.75	13.50	1.25	0.08
>25, <=50	20	10	6.58	8.25	-0.34	-0.05	6.90	5.74	1.16	0.17
>50, <=75	40	10	16.64	24.47	-1.60	-0.09	18.12	16.75	1.37	0.08
>75	120	20	58.31	47.95	2.12	0.04	56.35	57.50	-1.15	-0.02
Unavailable or unknown	10	#	4.05	3.22	0.17	0.04	3.89	6.51	-2.62	-0.67
Percent receiving student loan aid										
<=25	20	#	21.75	4.04	3.62	0.20	18.40	19.24	-0.84	-0.05
>25, <=50	40	10	9.40	16.00	-1.35	-0.13	10.65	8.34	2.31	0.22
>50, <=75	100	30	38.97	54.99	-3.28	-0.08	42.00	35.15	6.85 ²	0.16
>75	60	10	25.83	21.75	0.84	0.03	25.06	30.76	-5.70	-0.23
Unavailable or unknown	10	#	4.05	3.22	0.17	0.04	3.89	6.51	-2.62	-0.67
Percent enrolled: Black, non-Hispanic										
<=25	200	50	87.98	91.26	-0.67	-0.01	88.60	86.63	1.97	0.02
>25, <=50	10	#	5.01	0.50	0.92	0.23	4.16	7.24	-3.09	-0.74
>50, <=75	#	#	2.20	0.50	0.35	0.19	1.88	1.99	-0.11	-0.06
>75	10	#	3.74	7.23	-0.71	-0.16	4.40	3.12	1.29	0.29
Unavailable or unknown	#	#	1.06	0.50	0.11	0.12	0.96	1.02	-0.06	-0.06
Percent enrolled: Asian or Pacific Islander										
<=25	220	50	92.86	99.50	-1.36	-0.01	94.11	93.93	0.19	#
>25, <=50	#	#	6.08	#	#	#	4.93	5.06	-0.13	-0.03
>50, <=75	†	†	†	†	†	†	†	†	†	†
>75	†	†	†	†	†	†	†	†	†	†
Unavailable or unknown	#	#	1.06	0.50	0.11	0.12	0.96	1.02	-0.06	-0.06

See notes at end of table.

Table K-5. Institution nonresponse bias before nonresponse adjustment and after weight adjustments for selected variables for private not-for-profit 4-year non-doctorate-granting institutions: 2004—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted respondents	Unweighted non-respondents	Respondent mean weighted	Non-respondent mean weighted	Estimated bias	Relative bias	Overall mean, before adjustments	Overall mean, after adjustments	Estimated bias	Relative bias
Percent enrolled: Hispanic										
<=25	220	50	96.92	99.50	-0.53	-0.01	97.41	97.38	0.04	#
>25, <=50	#	#	0.34	#	#	#	0.28	0.33	-0.05	-0.17
>50, <=75	†	†	†	†	†	†	†	†	†	†
>75	#	#	1.67	#	#	#	1.35	1.28	0.07	0.05
Unavailable or unknown	#	#	1.06	0.50	0.11	0.12	0.96	1.02	-0.06	-0.06
Total undergraduate enrollment ³										
<=893.5	60	10	40.72	19.77	4.29	0.12	36.75	41.55	-4.80	-0.13
>893.5, <=1,631	60	10	21.62	32.73	-2.27	-0.10	23.72	20.96	2.76	0.12
>1,631, <=2,530	60	10	18.95	30.02	-2.27	-0.11	21.05	20.03	1.02	0.05
>2,530	50	10	17.65	16.97	0.14	0.01	17.52	16.44	1.09	0.06
Total male undergraduate enrollment ³										
<=300	60	10	39.17	14.91	4.96	0.15	34.58	37.88	-3.30	-0.10
>300, <=625	50	20	22.94	41.64	-3.83	-0.14	26.48	22.61	3.86	0.15
>625, <=1,020.5	60	10	20.74	22.89	-0.44	-0.02	21.15	23.59	-2.44	-0.12
>1,020.5	50	20	16.08	20.06	-0.81	-0.05	16.84	14.90	1.94	0.12
Unavailable or unknown	#	#	1.06	0.50	0.11	0.12	0.96	1.02	-0.06	-0.06
Total female undergraduate enrollment ³										
<=513.5	60	10	39.75	19.27	4.19	0.12	35.87	40.55	-4.68	-0.13
>513.5, <=896.5	60	10	22.35	18.11	0.87	0.04	21.54	22.55	-1.01	-0.05
>896.5, <=1,533.5	50	20	19.58	46.37	-5.48	-0.22	24.65	19.48	5.18	0.21
>1,533.5	60	10	17.26	15.75	0.31	0.02	16.97	16.40	0.57	0.03
Unavailable or unknown	#	#	1.06	0.50	0.11	0.12	0.96	1.02	-0.06	-0.06
Total graduate/first-professional enrollment ⁴										
<=325	80	10	35.75	26.46	1.90	0.06	33.99	37.11	-3.12	-0.09
>325	70	20	24.02	29.00	-1.02	-0.04	24.96	23.72	1.24	0.05
Total enrollment = 0	80	20	40.23	44.54	-0.88	-0.02	41.05	39.17	1.88	0.05

See notes at end of table.

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Table K-5. Institution nonresponse bias before nonresponse adjustment and after weight adjustments for selected variables for private not-for-profit 4-year non-doctorate-granting institutions: 2004—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted respondents	Unweighted non-respondents	Respondent mean weighted	Non-respondent mean weighted	Estimated bias	Relative bias	Overall mean, before adjustments	Overall mean, after adjustments	Estimated bias	Relative bias
Total male graduate/first-professional enrollment ⁴										
<=111	70	10	37.58	28.61	1.84	0.05	35.88	38.67	-2.78	-0.08
>111	70	20	21.84	26.85	-1.03	-0.04	22.78	21.88	0.91	0.04
Total enrollment = 0	80	20	40.58	44.54	-0.81	-0.02	41.33	39.46	1.88	0.05
Total female graduate/first-professional enrollment ⁴										
<=203	80	10	32.90	26.59	1.29	0.04	31.70	33.38	-1.68	-0.05
>203	70	20	26.87	28.87	-0.41	-0.01	27.25	27.45	-0.20	-0.01
Total enrollment = 0	80	20	40.23	44.54	-0.88	-0.02	41.05	39.17	1.88	0.05

† Not applicable.

Rounds to zero.

¹ New England = Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont; Mid East = Delaware, District of Columbia, Maryland, New Jersey, New York, Pennsylvania; Great Lakes = Illinois, Indiana, Michigan, Ohio, Wisconsin; Plains = Iowa, Kansas, Minnesota, Missouri, Nebraska, North Dakota, South Dakota; Southeast = Alabama, Arkansas, Florida, Georgia, Kentucky, Louisiana, Mississippi, North Carolina, South Carolina, Tennessee, Virginia, West Virginia; Southwest = Arizona, New Mexico, Oklahoma, Texas; Rocky Mountains = Colorado, Idaho, Montana, Utah, Wyoming; Far West = Alaska, California, Hawaii, Nevada, Oregon, Washington; Outlying Areas = American Samoa, Federated States of Micronesia, Guam, Marshall Islands, Northern Mariana Islands, Puerto Rico, Palau, Virgin Islands.

² Bias is significant at the 0.05/(c-1) level, where c is the number of categories within the primary variable.

³ Undergraduate enrollment categories were defined by quartiles.

⁴ Graduate/first-professional enrollment categories were defined by the median.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004 National Postsecondary Student Aid Study (NPSAS:04).

Table K-6. Institution nonresponse bias before nonresponse adjustment and after weight adjustments for selected variables for private not-for-profit 4-year doctorate-granting institutions: 2004

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted respondents	Unweighted non-respondents	Respondent mean weighted	Non-respondent mean weighted	Estimated bias	Relative bias	Overall mean, before adjustments	Overall mean, after adjustments	Estimated bias	Relative bias
Carnegie classification code										
Doctorate-granting/research universities—extensive	40	10	10.92	7.95	0.60	0.06	10.22	10.60	-0.38	-0.04
Doctorate-granting/research universities—intensive	40	10	9.83	5.30	0.92	0.10	8.76	10.18	-1.42	-0.16
Master's colleges and universities I	30	10	19.44	22.52	-0.62	-0.03	20.17	18.38	1.79	0.09
Master's (comprehensive) colleges and universities II	#	#	0.55	1.77	-0.25	-0.31	0.83	0.47	0.37	0.44
Baccalaureate colleges—liberal arts	10	10	4.33	16.38	-2.44	-0.36	7.18	3.96	3.22	0.45
Baccalaureate colleges—general	#	#	0.27	6.19	-1.20	-0.81	1.67	0.24	1.43	0.86
Baccalaureate/associate's colleges	†	†	†	†	†	†	†	†	†	†
Associate's colleges	†	†	†	†	†	†	†	†	†	†
Theological seminaries and other specialized faith-related institutions	20	10	37.78	5.69	6.50	0.21	30.20	37.36	-7.16	-0.24
Medical schools and medical centers	20	#	4.10	3.53	0.11	0.03	3.96	4.46	-0.49	-0.12
Other separate health profession schools	5	1	5.40	0.88	0.91	0.20	4.33	6.87	-2.54	-0.59
Schools of engineering and technology	†	†	†	†	†	†	†	†	†	†
Schools of business and management	#	#	0.57	#	#	#	0.44	0.59	-0.15	-0.34
Schools of art, music, and design	#	#	1.60	#	#	#	1.22	1.58	-0.36	-0.29
Schools of law	#	#	1.16	7.13	-1.21	-0.51	2.57	1.15	1.42	0.55
Teachers colleges	†	†	†	†	†	†	†	†	†	†
Other specialized institutions	#	#	2.66	2.42	0.05	0.02	2.60	2.61	-0.01	#
Tribal colleges and universities	†	†	†	†	†	†	†	†	†	†
Unavailable or unknown	#	#	1.39	20.25	-3.82	-0.73	5.84	1.56	4.28	0.73
Degree of urbanization										
Large city	70	20	43.83	41.88	0.40	0.01	43.37	41.84	1.53	0.04
Mid-size city	40	10	13.70	7.25	1.31	0.11	12.18	13.63	-1.46	-0.12
Urban fringe of large city	40	20	18.62	25.52	-1.40	-0.07	20.25	22.06	-1.82	-0.09

See notes at end of table.

Table K-6. Institution nonresponse bias before nonresponse adjustment and after weight adjustments for selected variables for private not-for-profit 4-year doctorate-granting institutions: 2004—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment				
	Unweighted respondents	Unweighted non-respondents	Respondent mean weighted	Non-respondent mean weighted	Estimated bias	Relative bias	Overall mean, before adjustments	Overall mean, after adjustments	Estimated bias	Relative bias	
Urban fringe of mid-size city	10	#	18.32	15.51	0.57	0.03	17.66	15.81	1.85	0.10	
Large town	#	#	1.16	#	#	#	0.88	1.09	-0.20	-0.23	
Small town	10	#	2.84	2.10	0.15	0.06	2.67	4.02	-1.36	-0.51	
Rural	#	#	0.27	0.88	-0.12	-0.31	0.42	0.23	0.18	0.44	
Not assigned	#	#	0.98	6.86	-1.19	-0.55	2.37	0.78	1.60	0.67	
Unavailable or unknown	#	#	0.27	#	#	#	0.21	0.53	-0.33	-1.56	
Bureau of Economic Analysis Code (Office of Business Economics [OBE]) Region ¹											
New England	20	#	10.84	16.39	-1.12	-0.09	12.16	11.90	0.25	0.02	
Mid East	40	10	17.95	33.33	-3.12	-0.15	21.59	22.00	-0.41	-0.02	
Great Lakes	20	10	7.47	9.81	-0.47	-0.06	8.02	8.12	-0.10	-0.01	
Plains	20	#	14.03	3.53	2.13	0.18	11.55	12.15	-0.60	-0.05	
Southeast	20	10	28.40	11.82	3.36	0.13	24.49	24.35	0.14	0.01	
Southwest	20	#	5.25	1.77	0.71	0.16	4.43	5.25	-0.82	-0.19	
Rocky Mountains	#	#	0.84	0.88	-0.01	-0.01	0.85	0.73	0.12	0.14	
Far West	30	10	14.22	22.46	-1.67	-0.11	16.17	14.72	1.44	0.09	
Outlying areas	#	#	0.98	#	#	#	0.75	0.78	-0.03	-0.03	
Historically Black college or university											
Yes	10	#	2.26	7.07	-0.98	-0.30	3.40	1.91	1.49	0.44	
No	160	50	97.74	92.93	0.98	0.01	96.60	98.09	-1.49	-0.02	
Percent receiving federal grant aid											
<=25	80	20	30.15	28.57	0.32	0.01	29.78	28.95	0.82	0.03	
>25, <=50	30	10	23.29	26.28	-0.61	-0.03	24.00	23.57	0.43	0.02	
>50, <=75	10	#	3.79	2.98	0.16	0.05	3.60	3.23	0.36	0.10	
>75	#	#	0.63	6.19	-1.13	-0.64	1.94	0.60	1.34	0.69	
Unavailable or unknown	50	10	42.14	35.98	1.25	0.03	40.68	43.64	-2.96	-0.07	
Percent receiving state/local grant aid											
<=25	70	20	35.59	25.32	2.08	0.06	33.16	34.53	-1.37	-0.04	
>25, <=50	40	10	17.90	15.03	0.58	0.03	17.22	17.78	-0.56	-0.03	
>50, <=75	10	#	4.10	16.59	-2.53	-0.38	7.05	3.82	3.23	0.46	
>75	#	#	0.27	7.07	-1.38	-0.83	1.88	0.22	1.66	0.88	
Unavailable or unknown	50	10	42.14	35.98	1.25	0.03	40.68	43.64	-2.96	-0.07	

See notes at end of table.

Table K-6. Institution nonresponse bias before nonresponse adjustment and after weight adjustments for selected variables for private not-for-profit 4-year doctorate-granting institutions: 2004—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted respondents	Unweighted non-respondents	Respondent mean weighted	Non-respondent mean weighted	Estimated bias	Relative bias	Overall mean, before adjustments	Overall mean, after adjustments	Estimated bias	Relative bias
Percent receiving institutional grant aid										
<=25	10	#	3.93	3.53	0.08	0.02	3.83	3.97	-0.14	-0.04
>25, <=50	30	#	19.72	3.53	3.28	0.20	15.90	19.21	-3.31	-0.21
>50, <=75	40	10	14.10	30.83	-3.39	-0.19	18.05	14.02	4.03	0.22
>75	50	10	20.11	26.13	-1.22	-0.06	21.53	19.16	2.37	0.11
Unavailable or unknown	50	10	42.14	35.98	1.25	0.03	40.68	43.64	-2.96	-0.07
Percent receiving student loan aid										
<=25	10	#	2.43	1.77	0.13	0.06	2.28	2.02	0.25	0.11
>25, <=50	50	10	28.94	23.30	1.14	0.04	27.61	26.93	0.67	0.02
>50, <=75	60	20	24.05	28.89	-0.98	-0.04	25.19	23.80	1.40	0.06
>75	10	10	2.44	10.07	-1.55	-0.39	4.24	3.61	0.63	0.15
Unavailable or unknown	50	10	42.14	35.98	1.25	0.03	40.68	43.64	-2.96	-0.07
Percent enrolled: Black, non-Hispanic										
<=25	160	50	96.35	87.31	1.83	0.02	94.21	96.63	-2.42	-0.03
>25, <=50	#	#	0.85	#	#	#	0.65	0.69	-0.04	-0.07
>50, <=75	#	#	0.27	0.88	-0.12	-0.31	0.42	0.25	0.17	0.40
>75	#	#	1.99	6.19	-0.85	-0.30	2.98	1.66	1.32	0.44
Unavailable or unknown	#	#	0.55	5.62	-1.03	-0.65	1.74	0.77	0.97	0.56
Percent enrolled: Asian or Pacific Islander										
<=25	160	50	98.36	94.38	0.81	0.01	97.42	98.14	-0.72	-0.01
>25, <=50	#	#	1.09	#	#	#	0.83	1.09	-0.26	-0.31
>50, <=75	†	†	†	†	†	†	†	†	†	†
>75	†	†	†	†	†	†	†	†	†	†
Unavailable or unknown	#	#	0.55	5.62	-1.03	-0.65	1.74	0.77	0.97	0.56
Percent enrolled: Hispanic										
<=25	160	50	80.06	94.38	-2.90	-0.03	83.44	82.41	1.04	0.01
>25, <=50	#	#	17.59	#	#	#	13.44	15.21	-1.77	-0.13
>50, <=75	#	#	0.82	#	#	#	0.63	0.84	-0.22	-0.35
>75	#	#	0.98	#	#	#	0.75	0.78	-0.03	-0.03
Unavailable or unknown	#	#	0.55	5.62	-1.03	-0.65	1.74	0.77	0.97	0.56

See notes at end of table.

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Table K-6. Institution nonresponse bias before nonresponse adjustment and after weight adjustments for selected variables for private not-for-profit 4-year doctorate-granting institutions: 2004—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment				
	Unweighted respondents	Unweighted non-respondents	Respondent mean weighted	Non-respondent mean weighted	Estimated bias	Relative bias	Overall mean, before adjustments	Overall mean, after adjustments	Estimated bias	Relative bias	
Total undergraduate enrollment ²											
<=220	40	10	41.81	32.12	1.96	0.05	39.52	43.09	-3.57	-0.09	
>220, <=2,834.5	40	10	27.87	40.39	-2.54	-0.08	30.83	26.57	4.26	0.14	
>2,834.5, <=5,943.5	40	10	15.31	13.58	0.35	0.02	14.90	15.24	-0.34	-0.02	
>5,943.5	40	10	14.47	8.28	1.25	0.09	13.01	14.33	-1.32	-0.10	
Unavailable or unknown	#	#	0.55	5.62	-1.03	-0.65	1.74	0.77	0.97	0.56	
Total male undergraduate enrollment ²											
<=55.5	40	10	40.11	34.95	1.05	0.03	38.89	41.08	-2.19	-0.06	
>55.5, <=1,325	40	10	31.41	37.57	-1.25	-0.04	32.86	30.46	2.41	0.07	
>1,325, <=2,526.5	40	10	13.93	15.35	-0.29	-0.02	14.26	13.75	0.52	0.04	
>2,526.5	50	10	14.01	6.52	1.52	0.12	12.24	13.95	-1.71	-0.14	
Unavailable or unknown	#	#	0.55	5.62	-1.03	-0.65	1.74	0.77	0.97	0.56	
Total female undergraduate enrollment ²											
<=116	40	10	42.08	31.24	2.20	0.06	39.52	43.30	-3.78	-0.10	
>116, <=1,449.5	40	20	25.96	41.28	-3.10	-0.11	29.58	24.93	4.65	0.16	
>1,449.5, <=3,504	40	10	16.37	15.35	0.21	0.01	16.13	16.24	-0.11	-0.01	
>3,504	50	10	15.04	6.52	1.73	0.13	13.03	14.77	-1.74	-0.13	
Unavailable or unknown	#	#	0.55	5.62	-1.03	-0.65	1.74	0.77	0.97	0.56	
Total graduate/first-professional enrollment ³											
<=1,942	80	30	67.35	72.89	-1.12	-0.02	68.66	68.58	0.07	#	
>1,942	90	20	32.65	20.92	2.38	0.08	29.88	31.42	-1.54	-0.05	
Total enrollment = 0	#	#	#	6.19	-1.25	-1.00	1.46	†	†	†	
Total male graduate/first-professional enrollment ³											
<=979	80	30	70.72	71.12	-0.08	#	70.81	71.06	-0.25	#	
>979	80	20	29.28	22.69	1.34	0.05	27.72	28.94	-1.21	-0.04	
Total enrollment = 0	#	#	#	6.19	-1.25	-1.00	1.46	†	†	†	

See notes at end of table.

Table K-6. Institution nonresponse bias before nonresponse adjustment and after weight adjustments for selected variables for private not-for-profit 4-year doctorate-granting institutions: 2004—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment				
	Unweighted respondents	Unweighted non-respondents	Respondent mean weighted	Non-respondent mean weighted	Estimated bias	Relative bias	Overall mean, before adjustments	Overall mean, after adjustments	Estimated bias	Relative bias	
Total female graduate/first-professional enrollment ³											
<=1,073	80	30	67.57	71.95	-0.89	-0.01	68.60	69.21	-0.61	-0.01	
>1,073	90	20	32.43	21.86	2.14	0.07	29.93	30.79	-0.85	-0.03	
Total enrollment = 0	#	#	#	6.19	-1.25	-1.00	1.46	†	†	†	†

† Not applicable.

Rounds to zero.

¹ New England = Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont; Mid East = Delaware, District of Columbia, Maryland, New Jersey, New York, Pennsylvania; Great Lakes = Illinois, Indiana, Michigan, Ohio, Wisconsin; Plains = Iowa, Kansas, Minnesota, Missouri, Nebraska, North Dakota, South Dakota; Southeast = Alabama, Arkansas, Florida, Georgia, Kentucky, Louisiana, Mississippi, North Carolina, South Carolina, Tennessee, Virginia, West Virginia; Southwest = Arizona, New Mexico, Oklahoma, Texas; Rocky Mountains = Colorado, Idaho, Montana, Utah, Wyoming; Far West = Alaska, California, Hawaii, Nevada, Oregon, Washington; Outlying Areas = American Samoa, Federated States of Micronesia, Guam, Marshall Islands, Northern Mariana Islands, Puerto Rico, Palau, Virgin Islands.

² Undergraduate enrollment categories were defined by quartiles.

³ Graduate/first-professional enrollment categories were defined by the median.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004 National Postsecondary Student Aid Study (NPSAS:04).

Table K-7. Institution nonresponse bias before nonresponse adjustment and after weight adjustments for selected variables for private for-profit less-than-2-year institutions: 2004

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted respondents	Unweighted non-respondents	Respondent mean weighted	Non-respondent mean weighted	Estimated bias	Relative bias	Overall mean, before adjustments	Overall mean, after adjustments	Estimated bias	Relative bias
Carnegie classification code										
Doctorate-granting/research universities—extensive	†	†	†	†	†	†	†	†	†	†
Doctorate-granting/research universities—intensive	†	†	†	†	†	†	†	†	†	†
Master's colleges and universities I	†	†	†	†	†	†	†	†	†	†
Master's (Comprehensive) Colleges And Universities II	†	†	†	†	†	†	†	†	†	†
Baccalaureate colleges—liberal arts	†	†	†	†	†	†	†	†	†	†
Baccalaureate colleges—general	†	†	†	†	†	†	†	†	†	†
Baccalaureate/associate's colleges	†	†	†	†	†	†	†	†	†	†
Associate's colleges	#	#	#	0.27	-0.04	-1.00	0.07	†	†	†
Theological seminaries and other specialized faith-related institutions	†	†	†	†	†	†	†	†	†	†
Medical schools and medical centers	†	†	†	†	†	†	†	†	†	†
Other separate health profession schools	†	†	†	†	†	†	†	†	†	†
Schools of engineering and technology	†	†	†	†	†	†	†	†	†	†
Schools of business and management	†	†	†	†	†	†	†	†	†	†
Schools of art, music, and design	†	†	†	†	†	†	†	†	†	†
Schools of law	†	†	†	†	†	†	†	†	†	†
Teachers colleges	†	†	†	†	†	†	†	†	†	†
Other specialized institutions	†	†	†	†	†	†	†	†	†	†
Tribal colleges and universities	†	†	†	†	†	†	†	†	†	†
Unavailable or unknown	140	30	100.00	99.73	0.04	#	99.93	100.00	-0.07	#
Degree of urbanization										
Large city	40	10	22.11	31.92	-1.58	-0.07	24.71	25.02	-0.31	-0.01
Mid-size city	30	10	25.68	21.95	0.60	0.02	24.69	25.15	-0.47	-0.02

See notes at end of table.

Table K-7. Institution nonresponse bias before nonresponse adjustment and after weight adjustments for selected variables for private for-profit less-than-2-year institutions: 2004—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment				
	Unweighted respondents	Unweighted non-respondents	Respondent mean weighted	Non-respondent mean weighted	Estimated bias	Relative bias	Overall mean, before adjustments	Overall mean, after adjustments	Estimated bias	Relative bias	
Urban fringe of large city	30	10	16.14	5.80	1.67	0.12	13.39	16.96	-3.57	-0.27	
Urban fringe of mid-size city	10	#	6.10	0.97	0.83	0.16	4.74	5.62	-0.88	-0.19	
Large town	†	†	†	†	†	†	†	†	†	†	
Small town	#	#	1.13	#	#	#	0.83	1.02	-0.19	-0.23	
Rural	†	†	†	†	†	†	†	†	†	†	
Not assigned	10	#	4.53	#	#	#	3.33	4.04	-0.71	-0.21	
Unavailable or unknown	20	#	24.31	39.36	-2.42	-0.09	28.31	22.19	6.12	0.22	
Bureau of Economic Analysis Code (Office of Business Economics [OBE]) Region ¹											
New England	10	#	4.73	2.27	0.40	0.09	4.08	4.85	-0.77	-0.19	
Mid East	20	#	11.29	2.49	1.42	0.14	8.96	13.73	-4.78	-0.53	
Great Lakes	10	#	13.45	6.01	1.20	0.10	11.48	12.17	-0.69	-0.06	
Plains	#	#	3.34	#	#	#	2.46	3.01	-0.56	-0.23	
Southeast	30	10	19.72	52.34	-5.25	-0.21	28.38	18.25	10.13	0.36	
Southwest	20	10	14.67	6.68	1.29	0.10	12.55	16.33	-3.78	-0.30	
Rocky Mountains	#	#	0.81	0.90	-0.02	-0.02	0.83	0.84	-0.01	-0.01	
Far West	30	10	26.94	29.30	-0.38	-0.01	27.57	26.32	1.25	0.05	
Outlying areas	10	#	5.04	#	#	#	3.70	4.49	-0.79	-0.21	
Historically Black college or university											
Yes	†	†	†	†	†	†	†	†	†	†	
No	140	30	100.00	100.00	#	#	100.00	100.00	#	#	
Percent receiving federal grant aid											
<=25	10	#	3.79	0.27	0.57	0.18	2.85	3.66	-0.81	-0.28	
>25, <=50	30	#	31.31	31.02	0.05	#	31.24	27.56	3.68	0.12	
>50, <=75	30	10	15.96	17.70	-0.28	-0.02	16.42	15.18	1.24	0.08	
>75	60	10	40.79	38.22	0.41	0.01	40.11	46.35	-6.24	-0.16	
Unavailable or unknown	10	10	8.14	12.79	-0.75	-0.08	9.38	7.25	2.13	0.23	
Percent receiving state/local grant aid											
<=25	120	20	89.17	86.28	0.47	0.01	88.41	90.18	-1.77	-0.02	
>25, <=50	#	#	0.54	0.67	-0.02	-0.04	0.57	0.48	0.09	0.16	

See notes at end of table.

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Table K-7. Institution nonresponse bias before nonresponse adjustment and after weight adjustments for selected variables for private for-profit less-than-2-year institutions: 2004—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment				
	Unweighted respondents	Unweighted non-respondents	Respondent mean weighted	Non-respondent mean weighted	Estimated bias	Relative bias	Overall mean, before adjustments	Overall mean, after adjustments	Estimated bias	Relative bias	
>50, <=75	10	#	1.54	0.27	0.21	0.15	1.20	1.43	-0.23	-0.19	
>75	#	#	0.60	#	#	#	0.44	0.66	-0.22	-0.50	
Unavailable or unknown	10	10	8.14	12.79	-0.75	-0.08	9.38	7.25	2.13	0.23	
Percent receiving institutional grant aid											
<=25	120	20	83.88	57.19	4.30	0.05	76.79	85.58	-8.79	-0.11	
>25, <=50	#	#	2.88	26.71	-3.84	-0.57	9.21	2.49	6.71	0.73	
>50, <=75	#	#	2.61	3.31	-0.11	-0.04	2.79	2.50	0.30	0.11	
>75	#	#	2.49	#	#	#	1.83	2.18	-0.35	-0.19	
Unavailable or unknown	10	10	8.14	12.79	-0.75	-0.08	9.38	7.25	2.13	0.23	
Percent receiving student loan aid											
<=25	30	10	30.78	49.20	-2.97	-0.09	35.67	27.29	8.37	0.23	
>25, <=50	10	#	5.34	0.90	0.71	0.15	4.16	4.97	-0.81	-0.19	
>50, <=75	40	10	24.50	35.55	-1.78	-0.07	27.43	22.33	5.10	0.19	
>75	50	#	31.25	1.56	4.78 ²	0.18	23.37	38.16	-14.79 ²	-0.63	
Unavailable or unknown	10	10	8.14	12.79	-0.75	-0.08	9.38	7.25	2.13	0.23	
Percent enrolled: Black, non-Hispanic											
<=25	90	20	70.03	65.74	0.69	0.01	68.89	70.22	-1.33	-0.02	
>25, <=50	30	10	10.10	8.77	0.21	0.02	9.74	9.51	0.23	0.02	
>50, <=75	10	#	7.51	21.39	-2.24	-0.23	11.19	7.97	3.22	0.29	
>75	10	#	10.50	#	# ²	#	7.71	9.88	-2.17	-0.28	
Unavailable or unknown	#	#	1.86	4.09	-0.36	-0.16	2.46	2.41	0.04	0.02	
Percent enrolled: Asian or Pacific Islander											
<=25	130	20	97.66	95.91	0.28	#	97.19	97.00	0.19	#	
>25, <=50	#	#	0.48	#	#	#	0.35	0.59	-0.23	-0.67	
>50, <=75	†	†	†	†	†	†	†	†	†	†	
>75	†	†	†	†	†	†	†	†	†	†	
Unavailable or unknown	#	#	1.86	4.09	-0.36	-0.16	2.46	2.41	0.04	0.02	
Percent enrolled: Hispanic											
<=25	70	10	68.12	62.66	0.88	0.01	66.67	63.23	3.44	0.05	
>25, <=50	30	10	16.94	9.80	1.15	0.07	15.05	16.91	-1.86	-0.12	

See notes at end of table.

Table K-7. Institution nonresponse bias before nonresponse adjustment and after weight adjustments for selected variables for private for-profit less-than-2-year institutions: 2004—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment				
	Unweighted respondents	Unweighted non-respondents	Respondent mean weighted	Non-respondent mean weighted	Estimated bias	Relative bias	Overall mean, before adjustments	Overall mean, after adjustments	Estimated bias	Relative bias	
>50, <=75	10	#	5.31	4.13	0.19	0.04	5.00	6.70	-1.70	-0.34	
>75	20	#	7.76	19.32	-1.86	-0.19	10.83	10.75	0.08	0.01	
Unavailable or unknown	#	#	1.86	4.09	-0.36	-0.16	2.46	2.41	0.04	0.02	
Total undergraduate enrollment ³											
<=215	30	10	59.34	70.74	-1.84	-0.03	62.36	55.19	7.18	0.12	
>215, <=415	30	10	20.53	18.87	0.27	0.01	20.09	20.28	-0.19	-0.01	
>415, <=807	40	#	13.58	2.40	1.80 ²	0.15	10.61	16.86	-6.25	-0.59	
>807	30	10	6.12	3.89	0.36	0.06	5.53	7.25	-1.73	-0.31	
Unavailable or unknown	#	#	0.43	4.09	-0.59	-0.58	1.41	0.42	0.99	0.70	
Total male undergraduate enrollment ³											
<=23	30	10	53.57	55.18	-0.26	#	54.00	50.92	3.08	0.06	
>23, <=65	40	10	25.92	33.53	-1.23	-0.05	27.94	27.27	0.67	0.02	
>65, <=211	40	#	12.02	3.01	1.45	0.14	9.63	12.19	-2.57	-0.27	
>211	30	10	8.06	4.18	0.62	0.08	7.03	9.20	-2.17	-0.31	
Unavailable or unknown	#	#	0.43	4.09	-0.59	-0.58	1.41	0.42	0.99	0.70	
Total female undergraduate enrollment ³											
<=100	30	10	47.15	71.13	-3.86	-0.08	53.51	43.66	9.86	0.18	
>100, <=288	30	10	28.92	16.74	1.96	0.07	25.69	27.99	-2.31	-0.09	
>288, <=551	40	#	16.33	5.93	1.68	0.11	13.57	19.94	-6.38	-0.47	
>551	30	10	7.17	2.11	0.82	0.13	5.83	7.99	-2.17	-0.37	
Unavailable or unknown	#	#	0.43	4.09	-0.59	-0.58	1.41	0.42	0.99	0.70	

† Not applicable.

Rounds to zero.

¹ New England = Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont; Mid East = Delaware, District of Columbia, Maryland, New Jersey, New York, Pennsylvania; Great Lakes = Illinois, Indiana, Michigan, Ohio, Wisconsin; Plains = Iowa, Kansas, Minnesota, Missouri, Nebraska, North Dakota, South Dakota; Southeast = Alabama, Arkansas, Florida, Georgia, Kentucky, Louisiana, Mississippi, North Carolina, South Carolina, Tennessee, Virginia, West Virginia; Southwest = Arizona, New Mexico, Oklahoma, Texas; Rocky Mountains = Colorado, Idaho, Montana, Utah, Wyoming; Far West = Alaska, California, Hawaii, Nevada, Oregon, Washington; Outlying Areas = American Samoa, Federated States of Micronesia, Guam, Marshall Islands, Northern Mariana Islands, Puerto Rico, Palau, Virgin Islands.

² Bias is significant at the 0.05/(c-1) level, where c is the number of categories within the primary variable.

³ Undergraduate enrollment categories were defined by quartiles.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004 National Postsecondary Student Aid Study (NPSAS:04).

Table K-8. Institution nonresponse bias before nonresponse adjustment and after weight adjustments for selected variables for California public 2-year institutions: 2004

Variable	Before nonresponse adjustment						After nonresponse adjustment				
	Unweighted respondents	Unweighted non-respondents	Respondent mean weighted	Non-respondent mean weighted	Estimated bias	Relative bias	Overall mean, before adjustments	Overall mean, after adjustments	Estimated bias	Relative bias	
Carnegie classification code											
Doctorate-granting/research universities—extensive	†	†	†	†	†	†	†	†	†	†	†
Doctorate-granting/research universities—intensive	†	†	†	†	†	†	†	†	†	†	†
Master's colleges and universities I	†	†	†	†	†	†	†	†	†	†	†
Master's (comprehensive) colleges and universities II	†	†	†	†	†	†	†	†	†	†	†
Baccalaureate colleges—liberal arts	†	†	†	†	†	†	†	†	†	†	†
Baccalaureate colleges—general	†	†	†	†	†	†	†	†	†	†	†
Baccalaureate/associate's colleges	†	†	†	†	†	†	†	†	†	†	†
Associate's colleges	30	10	100.00	100.00	# ¹	#	100.00	100.00	# ¹	#	#
Theological seminaries and other specialized faith-related institutions	†	†	†	†	†	†	†	†	†	†	†
Medical schools and medical centers	†	†	†	†	†	†	†	†	†	†	†
Other separate health profession schools	†	†	†	†	†	†	†	†	†	†	†
Schools of engineering and technology	†	†	†	†	†	†	†	†	†	†	†
Schools of business and management	†	†	†	†	†	†	†	†	†	†	†
Schools of art, music, and design	†	†	†	†	†	†	†	†	†	†	†
Schools of law	†	†	†	†	†	†	†	†	†	†	†
Teachers colleges	†	†	†	†	†	†	†	†	†	†	†
Other specialized institutions	†	†	†	†	†	†	†	†	†	†	†
Tribal colleges and universities	†	†	†	†	†	†	†	†	†	†	†
Unavailable or unknown	†	†	†	†	†	†	†	†	†	†	†
Degree of urbanization											
Large city	10	#	16.21	9.61	2.25	0.16	13.90	17.26	-3.36	-0.24	
Mid-size city	10	#	29.85	32.13	-0.78	-0.03	30.65	31.94	-1.29	-0.04	

See notes at end of table.

Table K-8. Institution nonresponse bias before nonresponse adjustment and after weight adjustments for selected variables for California public 2-year institutions: 2004—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment				
	Unweighted respondents	Unweighted non-respondents	Respondent mean weighted	Non-respondent mean weighted	Estimated bias	Relative bias	Overall mean, before adjustments	Overall mean, after adjustments	Estimated bias	Relative bias	
Urban fringe of large city	10	10	44.60	45.85	-0.43	-0.01	45.03	40.73	4.31	0.10	
Urban fringe of mid-size city	#	#	9.35	#	#	#	6.07	10.07	-4.00	-0.66	
Large town	†	†	†	†	†	†	†	†	†	†	
Small town	#	#	#	12.42	-4.24	-1.00	4.35	†	†	†	
Rural	†	†	†	†	†	†	†	†	†	†	
Not assigned	†	†	†	†	†	†	†	†	†	†	
Unavailable or unknown	†	†	†	†	†	†	†	†	†	†	
Historically Black college or university											
Yes	†	†	†	†	†	†	†	†	†	†	
No	30	10	100.00	100.00	# ¹	#	100.00	100.00	# ¹	#	
Percent receiving federal grant aid											
<=25	10	10	57.76	34.82	7.83	0.16	49.73	59.13	-9.40	-0.19	
>25, <=50	10	10	32.84	65.18	-11.04	-0.25	44.16	32.52	11.64	0.26	
>50, <=75	#	#	9.40	#	#	#	6.11	8.35	-2.24	-0.37	
>75	†	†	†	†	†	†	†	†	†	†	
Unavailable or unknown	†	†	†	†	†	†	†	†	†	†	
Percent receiving state/local grant aid											
<=25	10	#	23.36	15.06	2.83	0.14	20.45	22.56	-2.11	-0.10	
>25, <=50	10	10	52.59	73.48	-7.13	-0.12	59.90	56.72	3.19	0.05	
>50, <=75	10	#	19.81	11.46	2.85	0.17	16.89	16.61	0.27	0.02	
>75	#	#	4.24	#	#	#	2.76	4.10	-1.35	-0.49	
Unavailable or unknown	†	†	†	†	†	†	†	†	†	†	
Percent receiving institutional grant aid											
<=25	20	10	94.40	100.00	-1.91	-0.02	96.36	95.64	0.73	0.01	
>25, <=50	#	#	5.60	#	#	#	3.64	4.36	-0.73	-0.20	
>50, <=75	†	†	†	†	†	†	†	†	†	†	
>75	†	†	†	†	†	†	†	†	†	†	
Unavailable or unknown	†	†	†	†	†	†	†	†	†	†	
Percent receiving student loan aid											
<=25	30	10	100.00	100.00	#	#	100.00	100.00	#	#	
>25, <=50	†	†	†	†	†	†	†	†	†	†	

See notes at end of table.

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Table K-8. Institution nonresponse bias before nonresponse adjustment and after weight adjustments for selected variables for California public 2-year institutions: 2004—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted respondents	Unweighted non-respondents	Respondent mean weighted	Non-respondent mean weighted	Estimated bias	Relative bias	Overall mean, before adjustments	Overall mean, after adjustments	Estimated bias	Relative bias
>50, <=75	†	†	†	†	†	†	†	†	†	†
>75	†	†	†	†	†	†	†	†	†	†
Unavailable or unknown	†	†	†	†	†	†	†	†	†	†
Percent enrolled: Black, non-Hispanic										
<=25	30	10	100.00	100.00	#	#	100.00	100.00	#	#
>25, <=50	†	†	†	†	†	†	†	†	†	†
>50, <=75	†	†	†	†	†	†	†	†	†	†
>75	†	†	†	†	†	†	†	†	†	†
Unavailable or unknown	†	†	†	†	†	†	†	†	†	†
Percent enrolled: Asian or Pacific Islander										
<=25	20	10	79.61	94.66	-5.14	-0.06	84.88	79.79	5.09	0.06
>25, <=50	10	#	15.22	5.34	3.37	0.28	11.77	15.27	-3.50	-0.30
>50, <=75	#	#	5.17	#	#	#	3.36	4.95	-1.59	-0.47
>75	†	†	†	†	†	†	†	†	†	†
Unavailable or unknown	†	†	†	†	†	†	†	†	†	†
Percent enrolled: Hispanic										
<=25	10	10	42.84	60.89	-6.16	-0.13	49.16	41.41	7.75	0.16
>25, <=50	10	10	54.94	26.69	9.64	0.21	45.05	56.44	-11.39	-0.25
>50, <=75	#	#	2.22	#	#	#	1.44	2.14	-0.70	-0.49
>75	#	#	#	12.42	-4.24	-1.00	4.35	†	†	†
Unavailable or unknown	†	†	†	†	†	†	†	†	†	†
Total undergraduate enrollment ²										
<=17,576	10	#	45.75	47.96	-0.75	-0.02	46.52	47.44	-0.91	-0.02
>17,576, <=29,617	10	#	30.09	12.37	6.05	0.25	23.89	28.82	-4.94	-0.21
>29,617, <=41,593	#	10	8.09	36.29	-9.62	-0.54	17.96	7.94	10.02	0.56
>41,593	10	#	16.06	3.38	4.33	0.37	11.63	15.80	-4.17	-0.36
Unavailable or unknown	†	†	†	†	†	†	†	†	†	†
Total male undergraduate enrollment ²										
<=7,467	10	#	41.56	47.96	-2.18	-0.05	43.80	41.61	2.19	0.05
>7,467, <=12,738.5	10	#	24.94	18.06	2.35	0.10	22.53	24.58	-2.05	-0.09
>12,738.5, <=19,584	#	10	17.02	30.60	-4.63	-0.21	21.78	17.60	4.17	0.19
>19,584	10	#	16.48	3.38	4.47	0.37	11.89	16.21	-4.32	-0.36
Unavailable or unknown	†	†	†	†	†	†	†	†	†	†

See notes at end of table.

Table K-8. Institution nonresponse bias before nonresponse adjustment and after weight adjustments for selected variables for California public 2-year institutions: 2004—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment				
	Unweighted respondents	Unweighted non-respondents	Respondent mean weighted	Non-respondent mean weighted	Estimated bias	Relative bias	Overall mean, before adjustments	Overall mean, after adjustments	Estimated bias	Relative bias	
Total female undergraduate enrollment ²											
<=9,901	10	#	50.92	37.87	4.45	0.10	46.35	52.38	-6.04	-0.13	
>9,901, <=16,965	10	#	21.91	27.46	-1.89	-0.08	23.86	20.15	3.71	0.16	
>16,965, <=23,021	#	10	11.22	31.29	-6.85	-0.38	18.24	11.51	6.74	0.37	
>23,021	10	#	15.95	3.38	4.29	0.37	11.55	15.96	-4.41	-0.38	
Unavailable or unknown	†	†	†	†	†	†	†	†	†	†	†

† Not applicable.

Rounds to zero.

¹ Bias is significant at the 0.05/(c-1) level, where c is the number of categories within the primary variable.

² Undergraduate enrollment categories were defined by quartiles.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004 National Postsecondary Student Aid Study (NPSAS:04).

Table K-9. Institution nonresponse bias before nonresponse adjustment and after weight adjustments for selected variables for California public 4-year institutions: 2004

Variable	Before nonresponse adjustment						After nonresponse adjustment				
	Unweighted respondents	Unweighted non-respondents	Respondent mean weighted	Non-respondent mean weighted	Estimated bias	Relative bias	Overall mean, before adjustments	Overall mean, after adjustments	Estimated bias	Relative bias	
Carnegie classification code											
Doctorate-granting/research universities—extensive	10	#	26.32	21.43	2.31	0.10	24.24	21.54	2.70	0.11	
Doctorate-granting/research universities—intensive	#	#	5.26	7.14	-0.89	-0.14	6.06	4.47	1.59	0.26	
Master's colleges and universities I	10	10	63.16	50.00	6.23	0.11	57.58	69.60	-12.02	-0.21	
Master's (comprehensive) colleges and universities II	†	†	†	†	†	†	†	†	†	†	
Baccalaureate colleges—liberal arts	#	#	#	7.14	-3.38	-1.00	3.03	†	†	†	
Baccalaureate colleges—general	†	†	†	†	†	†	†	†	†	†	
Baccalaureate/associate's colleges	†	†	†	†	†	†	†	†	†	†	
Associate's colleges	†	†	†	†	†	†	†	†	†	†	
Theological seminaries and other specialized faith-related institutions	†	†	†	†	†	†	†	†	†	†	
Medical schools and medical centers	†	†	†	†	†	†	†	†	†	†	
Other separate health profession schools	†	†	†	†	†	†	†	†	†	†	
Schools of engineering and technology	†	†	†	†	†	†	†	†	†	†	
Schools of business and management	†	†	†	†	†	†	†	†	†	†	
Schools of art, music, and design	†	†	†	†	†	†	†	†	†	†	
Schools of law	#	#	5.26	#	#	#	3.03	4.40	-1.37	-0.45	
Teachers colleges	†	†	†	†	†	†	†	†	†	†	
Other specialized institutions	#	#	#	7.14	-3.38	-1.00	3.03	†	†	†	
Tribal colleges and universities	†	†	†	†	†	†	†	†	†	†	
Unavailable or unknown	#	#	#	7.14	-3.38	-1.00	3.03	†	†	†	
Degree of urbanization											
Large city	10	10	31.58	42.86	-5.34	-0.14	36.36	26.07	10.30	0.28	
Mid-size city	10	#	42.11	21.43	9.78	0.30	33.33	39.53	-6.20	-0.19	

See notes at end of table.

Table K-9. Institution nonresponse bias before nonresponse adjustment and after weight adjustments for selected variables for California public 4-year institutions: 2004—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted respondents	Unweighted non-respondents	Respondent mean weighted	Non-respondent mean weighted	Estimated bias	Relative bias	Overall mean, before adjustments	Overall mean, after adjustments	Estimated bias	Relative bias
Urban fringe of large city	#	#	21.05	14.29	3.20	0.18	18.18	25.97	-7.79	-0.43
Urban fringe of mid-size city	#	#	#	14.29	-6.76	-1.00	6.06	†	†	†
Large town	†	†	†	†	†	†	†	†	†	†
Small town	#	#	5.26	#	#	#	3.03	8.43	-5.40	-1.78
Rural	†	†	†	†	†	†	†	†	†	†
Not assigned	†	†	†	†	†	†	†	†	†	†
Unavailable or unknown	#	#	#	7.14	-3.38	-1.00	3.03	†	†	†
Historically Black college or university										
Yes	†	†	†	†	†	†	†	†	†	†
No	20	10	100.00	100.00	# ¹	#	100.00	100.00	# ¹	#
Percent receiving federal grant aid										
<=25	10	#	26.32	28.57	-1.07	-0.04	27.27	30.10	-2.82	-0.10
>25, <=50	10	10	57.89	57.14	0.36	0.01	57.58	56.66	0.91	0.02
>50, <=75	#	#	5.26	7.14	-0.89	-0.14	6.06	4.38	1.68	0.28
>75	†	†	†	†	†	†	†	†	†	†
Unavailable or unknown	#	#	10.53	7.14	1.60	0.18	9.09	8.86	0.23	0.03
Percent receiving state/local grant aid										
<=25	#	#	10.53	14.29	-1.78	-0.14	12.12	13.77	-1.65	-0.14
>25, <=50	10	10	73.68	78.57	-2.31	-0.03	75.76	73.99	1.76	0.02
>50, <=75	#	#	5.26	#	#	#	3.03	3.38	-0.35	-0.11
>75	†	†	†	†	†	†	†	†	†	†
Unavailable or unknown	#	#	10.53	7.14	1.60	0.18	9.09	8.86	0.23	0.03
Percent receiving institutional grant aid										
<=25	#	#	15.79	14.29	0.71	0.05	15.15	21.94	-6.79	-0.45
>25, <=50	10	10	57.89	71.43	-6.40	-0.10	63.64	54.61	9.02	0.14
>50, <=75	#	#	15.79	7.14	4.09	0.35	12.12	14.58	-2.46	-0.20
>75	†	†	†	†	†	†	†	†	†	†
Unavailable or unknown	#	#	10.53	7.14	1.60	0.18	9.09	8.86	0.23	0.03

See notes at end of table.

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Table K-9. Institution nonresponse bias before nonresponse adjustment and after weight adjustments for selected variables for California public 4-year institutions: 2004—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment				
	Unweighted respondents	Unweighted non-respondents	Respondent mean weighted	Non-respondent mean weighted	Estimated bias	Relative bias	Overall mean, before adjustments	Overall mean, after adjustments	Estimated bias	Relative bias	
Percent receiving institutional grant aid											
<=25	10	#	36.84	21.43	7.29	0.25	30.30	37.05	-6.74	-0.22	
>25, <=50	10	10	52.63	71.43	-8.89	-0.14	60.61	54.09	6.52	0.11	
>50, <=75	†	†	†	†	†	†	†	†	†	†	
>75	†	†	†	†	†	†	†	†	†	†	
Unavailable or unknown	#	#	10.53	7.14	1.60	0.18	9.09	8.86	0.23	0.03	
Percent receiving student loan aid											
<=25	#	#									
<=25	20	10	94.74	100.00	-2.49	-0.03	96.97	95.62	1.35	0.01	
>25, <=50	#	#	5.26	#	#	#	3.03	4.38	-1.35	-0.45	
>50, <=75	†	†	†	†	†	†	†	†	†	†	
>75	†	†	†	†	†	†	†	†	†	†	
Unavailable or unknown	†	†	†	†	†	†	†	†	†	†	
Percent enrolled: Black, non-Hispanic											
<=25	10	10	68.42	71.43	-1.42	-0.02	69.70	73.42	-3.72	-0.05	
>25, <=50	10	#	31.58	28.57	1.42	0.05	30.30	26.58	3.72	0.12	
>50, <=75	†	†	†	†	†	†	†	†	†	†	
>75	†	†	†	†	†	†	†	†	†	†	
Unavailable or unknown	†	†	†	†	†	†	†	†	†	†	
Percent enrolled: Asian or Pacific Islander											
<=25	20	10	78.95	78.57	0.18	#	78.79	79.44	-0.65	-0.01	
>25, <=50	#	#	21.05	14.29	3.20	0.18	18.18	20.56	-2.38	-0.13	
>50, <=75	†	†	†	†	†	†	†	†	†	†	
>75	#	#	#	7.14	-3.38	-1.00	3.03	†	†	†	
Unavailable or unknown	†	†	†	†	†	†	†	†	†	†	
Percent enrolled: Hispanic											
<=7,404	10	#	31.58	21.43	4.80	0.18	27.27	36.04	-8.77	-0.32	
>7,404, <=18,214	10	#	31.58	14.29	8.18	0.35	24.24	33.18	-8.94	-0.37	
>18,214, <=25,093	#	#	21.05	28.57	-3.56	-0.14	24.24	16.43	7.81	0.32	
>25,093	#	10	15.79	35.71	-9.43	-0.37	24.24	14.35	9.89	0.41	
Unavailable or unknown	†	†	†	†	†	†	†	†	†	†	

See notes at end of table.

Table K-9. Institution nonresponse bias before nonresponse adjustment and after weight adjustments for selected variables for California public 4-year institutions: 2004—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted respondents	Unweighted non-respondents	Respondent mean weighted	Non-respondent mean weighted	Estimated bias	Relative bias	Overall mean, before adjustments	Overall mean, after adjustments	Estimated bias	Relative bias
Total undergraduate enrollment ²										
<=2,818	10	#	31.58	21.43	4.80	0.18	27.27	36.04	-8.77	-0.32
>2,818, <=7,245	10	#	31.58	14.29	8.18	0.35	24.24	33.18	-8.94	-0.37
>7,245, <=11,069	10	#	26.32	21.43	2.31	0.10	24.24	20.61	3.63	0.15
>11,069	#	10	10.53	42.86	-15.30	-0.59	24.24	10.16	14.08	0.58
Unavailable or unknown	†	†	†	†	†	†	†	†	†	†
Total male undergraduate enrollment ²										
<=4,452	10	#	31.58	21.43	4.80	0.18	27.27	35.60	-8.33	-0.31
>4,452, <=8,523	10	#	31.58	14.29	8.18	0.35	24.24	33.62	-9.38	-0.39
>8,523, <=13,893	#	10	15.79	35.71	-9.43	-0.37	24.24	11.53	12.71	0.52
>13,893	#	#	21.05	28.57	-3.56	-0.14	24.24	19.24	5.00	0.21
Unavailable or unknown	†	†	†	†	†	†	†	†	†	†
Total female undergraduate enrollment ²										
<=4,255	10	10	52.63	42.86	4.62	0.10	48.48	58.87	-10.39	-0.21
>4,255	10	10	47.37	50.00	-1.25	-0.03	48.48	41.13	7.36	0.15
Total enrollment = 0	#	#	#	7.14	-3.38	-1.00	3.03	†	†	†
Total graduate/first-professional enrollment ³										
<=1,804	10	10	57.89	35.71	10.49	0.22	48.48	62.25	-13.76	-0.28
>1,804	10	10	42.11	57.14	-7.11	-0.14	48.48	37.75	10.73	0.22
Total enrollment = 0	#	#	#	7.14	-3.38	-1.00	3.03	†	†	†
Total male graduate/first-professional enrollment ³										
<=1,966	10	10	52.63	42.86	4.62	0.10	48.48	56.36	-7.88	-0.16
>1,966	10	10	47.37	50.00	-1.25	-0.03	48.48	43.64	4.85	0.10
Total enrollment = 0	#	#	#	7.14	-3.38	-1.00	3.03	†	†	†

† Not applicable.

Rounds to zero.

¹ Bias is significant at the 0.05/(c-1) level, where c is the number of categories within the primary variable.

² Undergraduate enrollment categories were defined by quartiles.

³ Graduate/first-professional enrollment categories were defined by the median.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004 National Postsecondary Student Aid Study (NPSAS:04).

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Table K-10. Institution nonresponse bias before nonresponse adjustment and after weight adjustments for selected variables for California private not-for-profit 4-year institutions: 2004

Variable	Before nonresponse adjustment						After nonresponse adjustment				
	Unweighted respondents	Unweighted non-respondents	Respondent mean weighted	Non-respondent mean weighted	Estimated bias	Relative bias	Overall mean, before adjustments	Overall mean, after adjustments	Estimated bias	Relative bias	
Carnegie classification code											
Doctorate-granting/research universities—extensive	#	#	3.05	3.18	-0.03	-0.01	3.08	2.88	0.20	0.06	
Doctorate-granting/research universities—intensive	10	#	6.09	3.18	0.62	0.11	5.39	6.58	-1.19	-0.22	
Master's colleges and universities I	10	#	19.61	6.57	2.79	0.17	16.46	20.58	-4.12	-0.25	
Master's (comprehensive) colleges and universities II	#	#	#	19.19	-4.11	-1.00	4.65	†	†	†	
Baccalaureate colleges—liberal arts	#	#	2.36	13.33	-2.35	-0.50	5.01	2.84	2.17	0.43	
Baccalaureate colleges—general	#	#	11.49	#	#	#	8.71	12.57	-3.86	-0.44	
Baccalaureate/associate's colleges	†	†	†	†	†	†	†	†	†	†	
Associate's colleges	†	†	†	†	†	†	†	†	†	†	
Theological seminaries and other specialized faith-related institutions	#	#	28.75	#	#	#	21.79	29.25	-7.46	-0.34	
Medical schools and medical centers	#	#	1.02	#	#	#	0.77	0.87	-0.10	-0.13	
Other separate health profession schools	#	#	7.89	#	#	#	5.98	7.70	-1.71	-0.29	
Schools of engineering and technology	†	†	†	†	†	†	†	†	†	†	
Schools of business and management	†	†	†	†	†	†	†	†	†	†	
Schools of art, music, and design	#	#	9.86	#	#	#	7.47	8.18	-0.71	-0.09	
Schools of law	#	#	#	22.48	-4.82	-1.00	5.44	†	†	†	
Teachers colleges	†	†	†	†	†	†	†	†	†	†	
Other specialized institutions	#	#	9.87	8.69	0.25	0.03	9.59	8.55	1.04	0.11	
Tribal colleges and universities	†	†	†	†	†	†	†	†	†	†	
Unavailable or unknown	#	#	#	23.39	-5.01	-1.00	5.66	†	†	†	
Degree of urbanization											
Large city	10	#	28.40	50.09	-4.64	-0.14	33.65	27.76	5.89	0.18	
Mid-size city	10	#	31.17	16.78	3.08	0.11	27.69	31.92	-4.24	-0.15	

See notes at end of table.

Table K-10. Institution nonresponse bias before nonresponse adjustment and after weight adjustments for selected variables for California private not-for-profit 4-year institutions: 2004—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted respondents	Unweighted non-respondents	Respondent mean weighted	Non-respondent mean weighted	Estimated bias	Relative bias	Overall mean, before adjustments	Overall mean, after adjustments	Estimated bias	Relative bias
Urban fringe of large city	10	10	40.42	33.13	1.56	0.04	38.66	40.31	-1.66	-0.04
Urban fringe of mid-size city	†	†	†	†	†	†	†	†	†	†
Large town	†	†	†	†	†	†	†	†	†	†
Small town	†	†	†	†	†	†	†	†	†	†
Rural	†	†	†	†	†	†	†	†	†	†
Not assigned	†	†	†	†	†	†	†	†	†	†
Unavailable or unknown	†	†	†	†	†	†	†	†	†	†
Historically Black college or university										
Yes	†	†	†	†	†	†	†	†	†	†
No	30	10	100.00	100.00	# ¹	#	100.00	100.00	# ¹	#
Percent receiving federal grant aid										
<=25	10	#	23.22	15.33	1.69	0.08	21.31	24.55	-3.24	-0.15
>25, <=50	10	#	25.25	16.51	1.87	0.08	23.13	24.79	-1.66	-0.07
>50, <=75	#	#	13.86	#	#	#	10.50	13.37	-2.87	-0.27
>75	#	#	22.93	13.60	2.00	0.10	20.67	24.23	-3.56	-0.17
Unavailable or unknown	10	#	14.74	54.56	-8.53	-0.37	24.38	13.05	11.34	0.46
Percent receiving state/local grant aid										
<=25	20	#	45.64	25.48	4.32	0.10	40.76	45.68	-4.92	-0.12
>25, <=50	10	#	39.62	6.36	7.12	0.22	31.57	41.27	-9.71	-0.31
>50, <=75	†	†	†	†	†	†	†	†	†	†
>75	#	#	#	13.60	-2.91	-1.00	3.29	†	†	†
Unavailable or unknown	10	#	14.74	54.56	-8.53	-0.37	24.38	13.05	11.34	0.46
Percent receiving institutional grant aid										
<=25	#	#	8.91	#	#	#	6.75	9.13	-2.38	-0.35
>25, <=50	#	#	3.05	#	#	#	2.31	3.26	-0.96	-0.41
>50, <=75	10	#	19.03	8.76	2.20	0.13	16.54	21.41	-4.87	-0.29
>75	10	10	54.27	36.67	3.77	0.07	50.01	53.15	-3.13	-0.06
Unavailable or unknown	10	#	14.74	54.56	-8.53	-0.37	24.38	13.05	11.34	0.46

See notes at end of table.

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Table K-10. Institution nonresponse bias before nonresponse adjustment and after weight adjustments for selected variables for California private not-for-profit 4-year institutions: 2004—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted respondents	Unweighted non-respondents	Respondent mean weighted	Non-respondent mean weighted	Estimated bias	Relative bias	Overall mean, before adjustments	Overall mean, after adjustments	Estimated bias	Relative bias
Percent receiving student loan aid										
<=25	#	#	23.95	3.18	4.45	0.23	18.92	25.67	-6.75	-0.36
>25, <=50	10	#	17.29	8.76	1.83	0.12	15.23	17.01	-1.78	-0.12
>50, <=75	10	#	29.67	3.39	5.63	0.23	23.31	30.14	-6.83	-0.29
>75	#	#	14.34	30.11	-3.38	-0.19	18.16	14.13	4.03	0.22
Unavailable or unknown	10	#	14.74	54.56	-8.53	-0.37	24.38	13.05	11.34	0.46
Percent enrolled: Black, non-Hispanic										
<=25	30	10	94.77	79.79	3.21	0.04	91.14	95.81	-4.67	-0.05
>25, <=50	#	#	5.23	#	#	#	3.96	4.19	-0.23	-0.06
>50, <=75	†	†	†	†	†	†	†	†	†	†
>75	†	†	†	†	†	†	†	†	†	†
Unavailable or unknown	#	#	#	20.21	-4.33	-1.00	4.89	†	†	†
Percent enrolled: Asian or Pacific Islander										
<=25	30	10	97.97	79.79	3.89	0.04	93.57	98.18	-4.61	-0.05
>25, <=50	#	#	2.03	#	#	#	1.54	1.82	-0.28	-0.18
>50, <=75	†	†	†	†	†	†	†	†	†	†
>75	†	†	†	†	†	†	†	†	†	†
Unavailable or unknown	#	#	#	20.21	-4.33	-1.00	4.89	†	†	†
Percent enrolled: Hispanic										
<=25	30	10	98.98	79.79	4.11	0.04	94.34	99.10	-4.76	-0.05
>25, <=50	#	#	1.02	#	#	#	0.77	0.90	-0.13	-0.17
>50, <=75	†	†	†	†	†	†	†	†	†	†
>75	†	†	†	†	†	†	†	†	†	†
Unavailable or unknown	#	#	#	20.21	-4.33	-1.00	4.89	†	†	†
Total undergraduate enrollment ²										
<=237.5	10	#	44.55	31.17	2.87	0.07	41.31	43.93	-2.61	-0.06
>237.5, <=1,956.5	10	#	35.57	30.11	1.17	0.03	34.25	34.72	-0.47	-0.01
>1,956.5, <=4,168.5	10	#	11.75	12.15	-0.09	-0.01	11.85	12.18	-0.33	-0.03
>4,168.5	10	#	8.12	6.36	0.38	0.05	7.69	9.17	-1.47	-0.19
Unavailable or unknown	#	#	#	20.21	-4.33	-1.00	4.89	†	†	†

See notes at end of table.

Table K-10. Institution nonresponse bias before nonresponse adjustment and after weight adjustments for selected variables for California private not-for-profit 4-year institutions: 2004—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment				
	Unweighted respondents	Unweighted non-respondents	Respondent mean weighted	Non-respondent mean weighted	Estimated bias	Relative bias	Overall mean, before adjustments	Overall mean, after adjustments	Estimated bias	Relative bias	
Total male undergraduate enrollment²											
<=66.5	10	#	36.66	44.50	-1.68	-0.04	38.56	36.23	2.33	0.06	
>66.5, <=751	10	#	43.85	16.78	5.80	0.15	37.30	42.28	-4.98	-0.13	
>751, <=1,618.5	10	#	11.37	12.15	-0.17	-0.01	11.56	12.32	-0.76	-0.07	
>1,618.5	10	#	8.12	6.36	0.38	0.05	7.69	9.17	-1.47	-0.19	
Unavailable or unknown	#	#	#	20.21	-4.33	-1.00	4.89	†	†	†	
Total female undergraduate enrollment²											
<=110.5	10	#	44.55	31.17	2.87	0.07	41.31	43.93	-2.61	-0.06	
>110.5, <=1,155	10	#	35.57	30.11	1.17	0.03	34.25	34.72	-0.47	-0.01	
>1,155, <=2,423.5	10	#	10.64	15.33	-1.01	-0.09	11.77	10.86	0.92	0.08	
>2,423.5	10	#	9.24	3.18	1.30	0.16	7.77	10.50	-2.72	-0.35	
Unavailable or unknown	#	#	#	20.21	-4.33	-1.00	4.89	†	†	†	
Total graduate/first-professional enrollment³											
<=1,668	10	10	74.31	87.08	-2.73	-0.04	77.40	75.07	2.33	0.03	
>1,668	20	#	15.83	12.92	0.62	0.04	15.12	16.75	-1.63	-0.11	
Total enrollment = 0	#	#	9.86	#	#	#	7.47	8.18	-0.71	-0.09	
Total male graduate/first-professional enrollment³											
<=636	20	10	75.43	83.90	-1.81	-0.02	77.48	76.40	1.08	0.01	
>636	10	10	14.71	16.10	-0.30	-0.02	15.05	15.42	-0.38	-0.02	
Total enrollment = 0	#	#	9.86	#	#	#	7.47	8.18	-0.71	-0.09	
Total female graduate/first-professional enrollment³											
<=1,073	10	10	70.31	90.26	-4.27	-0.06	75.14	71.75	3.39	0.05	
>1,073	20	#	19.82	9.74	2.16	0.12	17.38	20.07	-2.68	-0.15	
Total enrollment = 0	#	#	9.86	#	#	#	7.47	8.18	-0.71	-0.09	

† Not applicable.

Rounds to zero.

¹ Bias is significant at the 0.05/(c-1) level, where c is the number of categories within the primary variable.

² Undergraduate enrollment categories were defined by quartiles.

³ Graduate/first-professional enrollment categories were defined by the median.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004 National Postsecondary Student Aid Study (NPSAS:04).

Table K-11. Institution nonresponse bias before nonresponse adjustment and after weight adjustments for selected variables for Illinois private not-for-profit 4-year institutions: 2004

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted respondents	Unweighted non-respondents	Respondent mean weighted	Non-respondent mean weighted	Estimated bias	Relative bias	Overall mean, before adjustments	Overall mean, after adjustments	Estimated bias	Relative bias
Carnegie classification code										
Doctorate-granting/research universities—extensive	#	#	2.21	7.74	-1.31	-0.37	2.90	2.75	0.15	0.05
Doctorate-granting/research universities—intensive	#	#	3.31	#	#	#	2.90	3.37	-0.47	-0.16
Master's colleges and universities I	10	#	9.98	21.57	-2.75	-0.22	11.42	9.99	1.43	0.13
Master's (comprehensive) colleges and universities II	†	†	†	†	†	†	†	†	†	†
Baccalaureate colleges—liberal arts	#	#	5.70	#	#	#	4.99	5.49	-0.50	-0.10
Baccalaureate colleges—general	#	#	6.46	42.24	-8.48	-0.57	10.93	5.91	5.02	0.46
Baccalaureate/associate's colleges	†	†	†	†	†	†	†	†	†	†
Associate's colleges	†	†	†	†	†	†	†	†	†	†
Theological seminaries and other specialized faith-related institutions	#	#	63.20	11.15	12.33	0.24	56.70	61.29	-4.59	-0.08
Medical schools and medical centers	#	#	2.21	7.74	-1.31	-0.37	2.90	2.55	0.35	0.12
Other separate health profession schools	†	†	†	†	†	†	†	†	†	†
Schools of engineering and technology	†	†	†	†	†	†	†	†	†	†
Schools of business and management	#	#	6.93	#	#	#	6.07	8.65	-2.59	-0.43
Schools of art, music, and design	#	#	#	9.55	-2.26	-1.00	1.19	†	†	†
Schools of law	†	†	†	†	†	†	†	†	†	†
Teachers colleges	†	†	†	†	†	†	†	†	†	†
Other specialized institutions	†	†	†	†	†	†	†	†	†	†
Tribal colleges and universities	†	†	†	†	†	†	†	†	†	†
Unavailable or unknown	†	†	†	†	†	†	†	†	†	†
Degree of urbanization										
Large city	10	#	9.41	17.29	-1.87	-0.17	10.39	10.55	-0.16	-0.02
Mid-size city	10	#	13.96	7.74	1.47	0.12	13.19	13.52	-0.33	-0.03

See notes at end of table.

Table K-11. Institution nonresponse bias before nonresponse adjustment and after weight adjustments for selected variables for Illinois private not-for-profit 4-year institutions: 2004—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted respondents	Unweighted non-respondents	Respondent mean weighted	Non-respondent mean weighted	Estimated bias	Relative bias	Overall mean, before adjustments	Overall mean, after adjustments	Estimated bias	Relative bias
Urban fringe of large city	10	#	70.66	32.72	8.99	0.15	65.92	65.03	0.89	0.01
Urban fringe of mid-size city	†	†	†	†	†	†	†	†	†	†
Large town	†	†	†	†	†	†	†	†	†	†
Small town	#	#	5.98	42.24	-8.59	-0.59	10.50	10.90	-0.40	-0.04
Rural	†	†	†	†	†	†	†	†	†	†
Not assigned	†	†	†	†	†	†	†	†	†	†
Unavailable or unknown	†	†	†	†	†	†	†	†	†	†
Historically Black college or university										
Yes	†	†	†	†	†	†	†	†	†	†
No	20	10	100.00	100.00	# ¹	#	100.00	100.00	# ¹	#
Percent receiving federal grant aid										
<=25	10	#	11.14	17.29	-1.46	-0.12	11.91	11.27	0.64	0.05
>25, <=50	10	#	21.39	32.72	-2.68	-0.11	22.81	26.13	-3.33	-0.15
>50, <=75	#	#	59.75	42.24	4.15	0.07	57.56	53.29	4.27	0.07
>75	†	†	†	†	†	†	†	†	†	†
Unavailable or unknown	#	#	7.72	7.74	-0.01	#	7.72	9.30	-1.58	-0.20
Percent receiving state/local grant aid										
<=25	10	#	64.92	17.29	11.28	0.21	58.98	58.35	0.63	0.01
>25, <=50	10	#	18.16	32.72	-3.45	-0.16	19.97	23.26	-3.29	-0.16
>50, <=75	#	#	7.78	42.24	-8.16	-0.51	12.08	7.19	4.90	0.41
>75	#	#	1.42	#	#	#	1.25	1.90	-0.65	-0.52
Unavailable or unknown	#	#	7.72	7.74	-0.01	#	7.72	9.30	-1.58	-0.20
Percent receiving institutional grant aid										
<=25	#	#	58.33	#	#	#	51.05	51.40	-0.35	-0.01
>25, <=50	#	#	9.84	7.74	0.50	0.05	9.57	14.57	-5.00	-0.52
>50, <=75	10	#	7.23	17.29	-2.38	-0.25	8.49	8.38	0.10	0.01
>75	10	#	16.89	67.22	-11.92	-0.41	23.17	16.35	6.82	0.29
Unavailable or unknown	#	#	7.72	7.74	-0.01	#	7.72	9.30	-1.58	-0.20

See notes at end of table.

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Table K-11. Institution nonresponse bias before nonresponse adjustment and after weight adjustments for selected variables for Illinois private not-for-profit 4-year institutions: 2004—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment				
	Unweighted respondents	Unweighted non-respondents	Respondent mean weighted	Non-respondent mean weighted	Estimated bias	Relative bias	Overall mean, before adjustments	Overall mean, after adjustments	Estimated bias	Relative bias	
Percent receiving student loan aid											
<=25	#	#	60.30	#	#	#	52.77	53.27	-0.50	-0.01	
>25, <=50	10	#	9.91	15.49	-1.32	-0.12	10.60	10.30	0.30	0.03	
>50, <=75	10	#	20.66	34.52	-3.29	-0.14	22.39	25.22	-2.84	-0.13	
>75	#	#	1.42	42.24	-9.67	-0.87	6.52	1.90	4.62	0.71	
Unavailable or unknown	#	#	7.72	7.74	-0.01	#	7.72	9.30	-1.58	-0.20	
Percent enrolled: Black, non-Hispanic											
<=25	20	10	98.58	100.00	-0.34	#	98.75	98.10	0.65	0.01	
>25, <=50	#	#	1.42	#	#	#	1.25	1.90	-0.65	-0.52	
>50, <=75	†	†	†	†	†	†	†	†	†	†	
>75	†	†	†	†	†	†	†	†	†	†	
Unavailable or unknown	†	†	†	†	†	†	†	†	†	†	
Percent enrolled: Asian or Pacific Islander											
<=25	20	10	41.67	100.00	-13.82	-0.25	48.95	48.37	0.58	0.01	
>25, <=50	#	#	58.33	#	#	#	51.05	51.63	-0.58	-0.01	
>50, <=75	†	†	†	†	†	†	†	†	†	†	
>75	†	†	†	†	†	†	†	†	†	†	
Unavailable or unknown	†	†	†	†	†	†	†	†	†	†	
Percent enrolled: Hispanic											
<=25	#	#	100.00	100.00	#	#	100.00	100.00	#	#	
>25, <=50	†	†	†	†	†	†	†	†	†	†	
>50, <=75	†	†	†	†	†	†	†	†	†	†	
>75	†	†	†	†	†	†	†	†	†	†	
Unavailable or unknown	†	†	†	†	†	†	†	†	†	†	
Total undergraduate enrollment ²											
<=1,168	10	#	70.91	61.13	2.32	0.03	69.69	70.59	-0.90	-0.01	
>1,168, <=2,411	10	#	13.88	9.55	1.03	0.08	13.34	13.25	0.09	0.01	
>2,411, <=5,287	10	#	9.37	13.83	-1.06	-0.10	9.92	9.52	0.41	0.04	
>5,287	10	#	5.84	15.49	-2.29	-0.28	7.04	6.64	0.40	0.06	
Unavailable or unknown	†	†	†	†	†	†	†	†	†	†	

See notes at end of table.

Table K-11. Institution nonresponse bias before nonresponse adjustment and after weight adjustments for selected variables for Illinois private not-for-profit 4-year institutions: 2004—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment				
	Unweighted respondents	Unweighted non-respondents	Respondent mean weighted	Non-respondent mean weighted	Estimated bias	Relative bias	Overall mean, before adjustments	Overall mean, after adjustments	Estimated bias	Relative bias	
Total male undergraduate enrollment ²											
<=496	10	#	70.91	61.13	2.32	0.03	69.69	70.59	-0.90	-0.01	
>496, <=1,017	10	#	14.13	9.55	1.09	0.08	13.56	13.46	0.10	0.01	
>1,017, <=1,928	10	#	8.01	21.57	-3.21	-0.29	9.70	7.80	1.90	0.20	
>1,928	10	#	6.94	7.74	-0.19	-0.03	7.04	8.15	-1.10	-0.16	
Unavailable or unknown	†	†	†	†	†	†	†	†	†	†	
Total female undergraduate enrollment ²											
<=462	10	#	72.02	49.99	5.22	0.08	69.27	71.61	-2.34	-0.03	
>462, <=1,398	10	#	14.41	11.15	0.77	0.06	14.00	13.99	0.01	#	
>1,398, <=2,958	10	#	7.74	23.38	-3.71	-0.32	9.69	7.91	1.78	0.18	
>2,958	10	#	5.84	15.49	-2.29	-0.28	7.04	6.49	0.55	0.08	
Unavailable or unknown	†	†	†	†	†	†	†	†	†	†	
Total graduate/first-professional enrollment ³											
<=1,441	10	#	25.08	20.70	1.04	0.04	24.54	31.68	-7.14	-0.29	
>1,441	10	#	9.60	37.06	-6.51	-0.40	13.02	10.06	2.96	0.23	
Total enrollment = 0	10	#	65.32	42.24	5.47	0.09	62.44	58.26	4.18	0.07	
Total male graduate/first-professional enrollment ³											
<=628	10	#	25.34	17.29	1.91	0.08	24.33	31.67	-7.34	-0.30	
>628	10	#	9.34	40.46	-7.37	-0.44	13.23	10.07	3.16	0.24	
Total enrollment = 0	10	#	65.32	42.24	5.47	0.09	62.44	58.26	4.18	0.07	
Total female graduate/first-professional enrollment ³											
<=890	10	#	23.98	28.44	-1.06	-0.04	24.54	30.37	-5.83	-0.24	
>890	10	#	10.70	29.32	-4.41	-0.29	13.02	11.37	1.65	0.13	
Total enrollment = 0	10	#	65.32	42.24	5.47	0.09	62.44	58.26	4.18	0.07	

† Not applicable.

Rounds to zero.

¹ Bias is significant at the 0.05/(c-1) level, where c is the number of categories within the primary variable.

² Undergraduate enrollment categories were defined by quartiles.

³ Graduate/first-professional enrollment categories were defined by the median.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004 National Postsecondary Student Aid Study (NPSAS:04).

Table K-12. Institution nonresponse bias before nonresponse adjustment and after weight adjustments for selected variables for Nebraska public 2-year institutions: 2004

Variable	Before nonresponse adjustment						After nonresponse adjustment				
	Unweighted respondents	Unweighted non-respondents	Respondent mean weighted	Non-respondent mean weighted	Estimated bias	Relative bias	Overall mean, before adjustments	Overall mean, after adjustments	Estimated bias	Relative bias	
Carnegie classification code											
Doctorate-granting/research universities—extensive	†	†	†	†	†	†	†	†	†	†	†
Doctorate-granting/research universities—intensive	†	†	†	†	†	†	†	†	†	†	†
Master's colleges and universities I	†	†	†	†	†	†	†	†	†	†	†
Master's (comprehensive) colleges and universities II	†	†	†	†	†	†	†	†	†	†	†
Baccalaureate colleges—liberal arts	†	†	†	†	†	†	†	†	†	†	†
Baccalaureate colleges—general	†	†	†	†	†	†	†	†	†	†	†
Baccalaureate/associate's colleges	†	†	†	†	†	†	†	†	†	†	†
Associate's colleges	#	#	80.00	50.00	9.89	0.14	71.43	81.40	-9.97	-0.14	
Theological seminaries and other specialized faith-related institutions	†	†	†	†	†	†	†	†	†	†	†
Medical schools and medical centers	†	†	†	†	†	†	†	†	†	†	†
Other separate health profession schools	†	†	†	†	†	†	†	†	†	†	†
Schools of engineering and technology	†	†	†	†	†	†	†	†	†	†	†
Schools of business and management	†	†	†	†	†	†	†	†	†	†	†
Schools of art, music, and design	†	†	†	†	†	†	†	†	†	†	†
Schools of law	†	†	†	†	†	†	†	†	†	†	†
Teachers colleges	†	†	†	†	†	†	†	†	†	†	†
Other specialized institutions	†	†	†	†	†	†	†	†	†	†	†
Tribal colleges and universities	†	†	†	†	†	†	†	†	†	†	†
Unavailable or unknown	#	#	20.00	50.00	-9.89	-0.33	28.57	18.60	9.97	0.35	

See notes at end of table.

Table K-12. Institution nonresponse bias before nonresponse adjustment and after weight adjustments for selected variables for Nebraska public 2-year institutions: 2004—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment				
	Unweighted respondents	Unweighted non-respondents	Respondent mean weighted	Non-respondent mean weighted	Estimated bias	Relative bias	Overall mean, before adjustments	Overall mean, after adjustments	Estimated bias	Relative bias	
Degree of urbanization											
Large city	#	#	#	50.00	-16.49	-1.00	14.29	†	†	†	
Mid-size city	#	#	20.00	#	#	#	14.29	14.11	0.18	0.01	
Urban fringe of large city	†	†	†	†	†	†	†	†	†	†	
Urban fringe of mid-size city	†	†	†	†	†	†	†	†	†	†	
Large town	#	#	20.00	#	#	#	14.29	15.11	-0.83	-0.06	
Small town	#	#	60.00	#	#	#	42.86	70.78	-27.92	-0.65	
Rural	#	#	#	50.00	-16.49	-1.00	14.29	†	†	†	
Not assigned	†	†	†	†	†	†	†	†	†	†	
Unavailable or unknown	†	†	†	†	†	†	†	†	†	†	
Historically Black college or university											
Yes	†	†	†	†	†	†	†	†	†	†	
No	10	#	100.00	100.00	# ¹	#	100.00	100.00	# ¹	#	
Percent receiving federal grant aid											
<=25	†	†	†	†	†	†	†	†	†	†	
>25, <=50	#	#	80.00	50.00	9.89	0.14	71.43	68.06	3.37	0.05	
>50, <=75	#	#	20.00	50.00	-9.89	-0.33	28.57	31.94	-3.37	-0.12	
>75	†	†	†	†	†	†	†	†	†	†	
Unavailable or unknown	†	†	†	†	†	†	†	†	†	†	
Percent receiving state/local grant aid											
<=25	#	#	80.00	50.00	9.89	0.14	71.43	84.89	-13.46	-0.19	
>25, <=50	#	#	20.00	50.00	-9.89	-0.33	28.57	15.11	13.46	0.47	
>50, <=75	†	†	†	†	†	†	†	†	†	†	
>75	†	†	†	†	†	†	†	†	†	†	
Unavailable or unknown	†	†	†	†	†	†	†	†	†	†	
Percent receiving institutional grant aid											
<=25	#	#	40.00	#	#	#	28.57	35.34	-6.77	-0.24	
>25, <=50	#	#	40.00	50.00	-3.30	-0.08	42.86	32.71	10.15	0.24	
>50, <=75	#	#	20.00	50.00	-9.89	-0.33	28.57	31.94	-3.37	-0.12	
>75	†	†	†	†	†	†	†	†	†	†	
Unavailable or unknown	†	†	†	†	†	†	†	†	†	†	

See notes at end of table.

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Table K-12. Institution nonresponse bias before nonresponse adjustment and after weight adjustments for selected variables for Nebraska public 2-year institutions: 2004—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted respondents	Unweighted non-respondents	Respondent mean weighted	Non-respondent mean weighted	Estimated bias	Relative bias	Overall mean, before adjustments	Overall mean, after adjustments	Estimated bias	Relative bias
Percent receiving student loan aid										
<=25	#	#	40.00	50.00	-3.30	-0.08	42.86	46.05	-3.20	-0.07
>25, <=50	#	#	60.00	#	# ¹	#	42.86	53.95	-11.09	-0.26
>50, <=75	#	#	#	50.00	-16.49	-1.00	14.29	†	†	†
>75	†	†	†	†	†	†	†	†	†	†
Unavailable or unknown	†	†	†	†	†	†	†	†	†	†
Percent enrolled: Black, non-Hispanic										
<=25	10	#	100.00	100.00	#	#	100.00	100.00	#	#
>25, <=50	†	†	†	†	†	†	†	†	†	†
>50, <=75	†	†	†	†	†	†	†	†	†	†
>75	†	†	†	†	†	†	†	†	†	†
Unavailable or unknown	†	†	†	†	†	†	†	†	†	†
Percent enrolled: Asian or Pacific Islander										
<=25	10	#	100.00	100.00	#	#	100.00	100.00	#	#
>25, <=50	†	†	†	†	†	†	†	†	†	†
>50, <=75	†	†	†	†	†	†	†	†	†	†
>75	†	†	†	†	†	†	†	†	†	†
Unavailable or unknown	†	†	†	†	†	†	†	†	†	†
Percent enrolled: Hispanic										
<=25	10	#	100.00	100.00	#	#	100.00	100.00	#	#
>25, <=50	†	†	†	†	†	†	†	†	†	†
>50, <=75	†	†	†	†	†	†	†	†	†	†
>75	†	†	†	†	†	†	†	†	†	†
Unavailable or unknown	†	†	†	†	†	†	†	†	†	†
Total undergraduate enrollment ²										
<=3,964	#	#	20.00	50.00	-9.89	-0.33	28.57	31.94	-3.37	-0.12
>3,964, <=7,267	#	#	40.00	#	#	#	28.57	38.84	-10.26	-0.36
>7,267, <=15,568	#	#	40.00	#	#	#	28.57	29.22	-0.65	-0.02
>15,568	#	#	#	50.00	-16.49	-1.00	14.29	†	†	†
Unavailable or unknown	†	†	†	†	†	†	†	†	†	†

See notes at end of table.

Table K-12. Institution nonresponse bias before nonresponse adjustment and after weight adjustments for selected variables for Nebraska public 2-year institutions: 2004—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted respondents	Unweighted non-respondents	Respondent mean weighted	Non-respondent mean weighted	Estimated bias	Relative bias	Overall mean, before adjustments	Overall mean, after adjustments	Estimated bias	Relative bias
Total male undergraduate enrollment ²										
<=1,500	#	#	20.00	50.00	-9.89	-0.33	28.57	31.94	-3.37	-0.12
>1,500, <=3,393	#	#	40.00	#	#	#	28.57	38.84	-10.26	-0.36
>3,393, <=7,064	#	#	40.00	#	#	#	28.57	29.22	-0.65	-0.02
>7,064	#	#	#	50.00	-16.49	-1.00	14.29	†	†	†
Unavailable or unknown	†	†	†	†	†	†	†	†	†	†
Total female undergraduate enrollment ²										
<=2,464	#	#	20.00	50.00	-9.89	-0.33	28.57	31.94	-3.37	-0.12
>2,464, <=3,874	#	#	40.00	#	#	#	28.57	38.84	-10.26	-0.36
>3,874, <=8,504	#	#	40.00	#	#	#	28.57	29.22	-0.65	-0.02
>8,504	#	#	#	50.00	-16.49	-1.00	14.29	†	†	†
Unavailable or unknown	†	†	†	†	†	†	†	†	†	†

† Not applicable.

Rounds to zero.

¹ Bias is significant at the 0.05/(c-1) level, where c is the number of categories within the primary variable.

² Undergraduate enrollment categories were defined by quartiles.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004 National Postsecondary Student Aid Study (NPSAS:04).

Table K-13. Institution nonresponse bias before nonresponse adjustment and after weight adjustments for selected variables for Nebraska private not-for-profit 4-year institutions: 2004

Variable	Before nonresponse adjustment						After nonresponse adjustment				
	Unweighted respondents	Unweighted non-respondents	Respondent mean weighted	Non-respondent mean weighted	Estimated bias	Relative bias	Overall mean, before adjustments	Overall mean, after adjustments	Estimated bias	Relative bias	
Carnegie classification code											
Doctorate-granting/research universities—extensive	†	†	†	†	†	†	†	†	†	†	†
Doctorate-granting/research universities—intensive	†	†	†	†	†	†	†	†	†	†	†
Master's colleges and universities I	#	#	7.69	50.00	-13.95	-0.64	13.33	7.99	5.35	0.40	
Master's (comprehensive) colleges and universities II	#	#	15.38	#	#	#	13.33	15.11	-1.78	-0.13	
Baccalaureate colleges—liberal arts	#	#	15.38	#	#	#	13.33	18.39	-5.06	-0.38	
Baccalaureate colleges—general	10	#	38.46	50.00	-3.81	-0.09	40.00	38.22	1.78	0.04	
Baccalaureate/associate's colleges	†	†	†	†	†	†	†	†	†	†	†
Associate's colleges	†	†	†	†	†	†	†	†	†	†	†
Theological seminaries and other specialized faith-related institutions	#	#	7.69	#	#	#	6.67	6.30	0.36	0.05	
Medical schools and medical centers	†	†	†	†	†	†	†	†	†	†	†
Other separate health profession schools	#	#	15.38	#	#	#	13.33	14.00	-0.66	-0.05	
Schools of engineering and technology	†	†	†	†	†	†	†	†	†	†	†
Schools of business and management	†	†	†	†	†	†	†	†	†	†	†
Schools of art, music, and design	†	†	†	†	†	†	†	†	†	†	†
Schools of law	†	†	†	†	†	†	†	†	†	†	†
Teachers colleges	†	†	†	†	†	†	†	†	†	†	†
Other specialized institutions	†	†	†	†	†	†	†	†	†	†	†
Tribal colleges and universities	†	†	†	†	†	†	†	†	†	†	†
Unavailable or unknown	†	†	†	†	†	†	†	†	†	†	†
Degree of urbanization											
Large city	#	#	30.77	50.00	-6.34	-0.17	33.33	30.26	3.08	0.09	
Mid-size city	#	#	7.69	50.00	-13.95	-0.64	13.33	7.93	5.40	0.41	

See notes at end of table.

Table K-13. Institution nonresponse bias before nonresponse adjustment and after weight adjustments for selected variables for Nebraska private not-for-profit 4-year institutions: 2004—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted respondents	Unweighted non-respondents	Respondent mean weighted	Non-respondent mean weighted	Estimated bias	Relative bias	Overall mean, before adjustments	Overall mean, after adjustments	Estimated bias	Relative bias
Urban fringe of large city	#	#	15.38	#	#	#	13.33	16.24	-2.91	-0.22
Urban fringe of mid-size city	†	†	†	†	†	†	†	†	†	†
Large town	†	†	†	†	†	†	†	†	†	†
Small town	10	#	46.15	#	# ¹	#	40.00	45.57	-5.57	-0.14
Rural	†	†	†	†	†	†	†	†	†	†
Not assigned	†	†	†	†	†	†	†	†	†	†
Unavailable or unknown	†	†	†	†	†	†	†	†	†	†
Historically Black college or university										
Yes	†	†	†	†	†	†	†	†	†	†
No	10	#	100.00	100.00	# ¹	#	100.00	100.00	# ¹	#
Percent receiving federal grant aid										
<=25	#	#	23.08	#	#	#	20.00	21.98	-1.98	-0.10
>25, <=50	10	#	69.23	100.00	-10.15	-0.13	73.33	72.14	1.19	0.02
>50, <=75	#	#	7.69	#	#	#	6.67	5.88	0.79	0.12
>75	†	†	†	†	†	†	†	†	†	†
Unavailable or unknown	†	†	†	†	†	†	†	†	†	†
Percent receiving state/local grant aid										
<=25	10	#	53.85	100.00	-15.22 ¹	-0.22	60.00	53.50	6.50	0.11
>25, <=50	10	#	46.15	#	# ¹	#	40.00	46.50	-6.50	-0.16
>50, <=75	†	†	†	†	†	†	†	†	†	†
>75	†	†	†	†	†	†	†	†	†	†
Unavailable or unknown	†	†	†	†	†	†	†	†	†	†
Percent receiving institutional grant aid										
<=25	#	#	15.38	#	#	#	13.33	14.15	-0.82	-0.06
>25, <=50	†	†	†	†	†	†	†	†	†	†
>50, <=75	#	#	7.69	50.00	-13.95	-0.64	13.33	10.38	2.95	0.22
>75	10	#	76.92	50.00	8.88	0.13	73.33	75.47	-2.13	-0.03
Unavailable or unknown	†	†	†	†	†	†	†	†	†	†

See notes at end of table.

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Table K-13. Institution nonresponse bias before nonresponse adjustment and after weight adjustments for selected variables for Nebraska private not-for-profit 4-year institutions: 2004—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment				
	Unweighted respondents	Unweighted non-respondents	Respondent mean weighted	Non-respondent mean weighted	Estimated bias	Relative bias	Overall mean, before adjustments	Overall mean, after adjustments	Estimated bias	Relative bias	
Percent receiving student loan aid											
<=25	#	#	15.38	#	#	#	13.33	14.15	-0.82	-0.06	
>25, <=50	#	#	#	100.00	-32.98	-1.00	13.33	†	†	†	
>50, <=75	10	#	38.46	#	# ¹	#	33.33	40.06	-6.72	-0.20	
>75	10	#	46.15	#	# ¹	#	40.00	45.79	-5.79	-0.14	
Unavailable or unknown	†	†	†	†	†	†	†	†	†	†	
Percent enrolled: Black, non-Hispanic											
<=25	10	#	100.00	100.00	#	#	100.00	100.00	#	#	
>25, <=50	†	†	†	†	†	†	†	†	†	†	
>50, <=75	†	†	†	†	†	†	†	†	†	†	
>75	†	†	†	†	†	†	†	†	†	†	
Unavailable or unknown	†	†	†	†	†	†	†	†	†	†	
Percent enrolled: Asian or Pacific Islander											
<=25	10	#	100.00	100.00	#	#	100.00	100.00	#	#	
>25, <=50	†	†	†	†	†	†	†	†	†	†	
>50, <=75	†	†	†	†	†	†	†	†	†	†	
>75	†	†	†	†	†	†	†	†	†	†	
Unavailable or unknown	†	†	†	†	†	†	†	†	†	†	
Percent enrolled: Hispanic											
<=25	10	#	100.00	100.00	#	#	100.00	100.00	#	#	
>25, <=50	†	†	†	†	†	†	†	†	†	†	
>50, <=75	†	†	†	†	†	†	†	†	†	†	
>75	†	†	†	†	†	†	†	†	†	†	
Unavailable or unknown	†	†	†	†	†	†	†	†	†	†	
Total undergraduate enrollment ²											
<=528	#	#	30.77	#	#	#	26.67	27.09	-0.43	-0.02	
>528, <=1,040	#	#	30.77	#	#	#	26.67	31.42	-4.75	-0.18	
>1,040, <=2,199	#	#	23.08	50.00	-8.88	-0.28	26.67	26.93	-0.26	-0.01	
>2,199	#	#	15.38	50.00	-11.42	-0.43	20.00	14.56	5.44	0.27	
Unavailable or unknown	†	†	†	†	†	†	†	†	†	†	

See notes at end of table.

Table K-13. Institution nonresponse bias before nonresponse adjustment and after weight adjustments for selected variables for Nebraska private not-for-profit 4-year institutions: 2004—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted respondents	Unweighted non-respondents	Respondent mean weighted	Non-respondent mean weighted	Estimated bias	Relative bias	Overall mean, before adjustments	Overall mean, after adjustments	Estimated bias	Relative bias
Total male undergraduate enrollment ²										
<=93	#	#	30.77	#	#	#	26.67	26.18	0.49	0.02
>93, <=408	#	#	30.77	#	#	#	26.67	32.34	-5.67	-0.21
>408, <=914	#	#	23.08	50.00	-8.88	-0.28	26.67	26.93	-0.26	-0.01
>914	#	#	15.38	50.00	-11.42	-0.43	20.00	14.56	5.44	0.27
Unavailable or unknown	†	†	†	†	†	†	†	†	†	†
Total female undergraduate enrollment ²										
<=333	#	#	30.77	#	#	#	26.67	31.74	-5.07	-0.19
>333, <=567	#	#	30.77	#	#	#	26.67	31.36	-4.69	-0.18
>567, <=1,267	#	#	23.08	50.00	-8.88	-0.28	26.67	20.99	5.68	0.21
>1,267	#	#	15.38	50.00	-11.42	-0.43	20.00	15.92	4.08	0.20
Unavailable or unknown	†	†	†	†	†	†	†	†	†	†
Total graduate/first-professional enrollment ³										
<=164.5	10	#	38.46	#	# ¹	#	33.33	40.72	-7.38	-0.22
>164.5	#	#	30.77	50.00	-6.34	-0.17	33.33	31.02	2.31	0.07
Total enrollment = 0	#	#	30.77	50.00	-6.34	-0.17	33.33	28.26	5.08	0.15
Total male graduate/first-professional enrollment ³										
<=58.5	#	#	30.77	#	# ¹	#	26.67	34.84	-8.17	-0.31
>58.5	#	#	30.77	50.00	-6.34	-0.17	33.33	31.02	2.31	0.07
Total enrollment = 0	10	#	38.46	50.00	-3.81	-0.09	40.00	34.14	5.86	0.15
Total female graduate/first-professional enrollment ³										
<=127.5	10	#	38.46	#	# ¹	#	33.33	40.72	-7.38	-0.22
>127.5	#	#	30.77	50.00	-6.34	-0.17	33.33	31.02	2.31	0.07
Total enrollment = 0	#	#	30.77	50.00	-6.34	-0.17	33.33	28.26	5.08	0.15

† Not applicable.

Rounds to zero.

¹ Bias is significant at the 0.05/(c-1) level, where c is the number of categories within the primary variable.

² Undergraduate enrollment categories were defined by quartiles.

³ Graduate/first-professional enrollment categories were defined by the median.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004 National Postsecondary Student Aid Study (NPSAS:04).

Table K-14. Institution nonresponse bias before nonresponse adjustment and after weight adjustments for selected variables for New York private not-for-profit 4-year institutions: 2004

Variable	Before nonresponse adjustment						After nonresponse adjustment				
	Unweighted respondents	Unweighted non-respondents	Respondent mean weighted	Non-respondent mean weighted	Estimated bias	Relative bias	Overall mean, before adjustments	Overall mean, after adjustments	Estimated bias	Relative bias	
Carnegie classification code											
Doctorate-granting/research universities—extensive	10	#	11.35	4.76	1.22	0.12	9.83	11.75	-1.91	-0.19	
Doctorate-granting/research universities—intensive	10	#	9.93	4.76	0.96	0.11	8.74	10.67	-1.93	-0.22	
Master's colleges and universities I	10	#	38.63	6.56	5.94	0.18	31.26	37.72	-6.46	-0.21	
Master's (comprehensive) colleges and universities II	†	†	†	†	†	†	†	†	†	†	
Baccalaureate colleges—liberal arts	#	#	5.49	65.16	-11.06	-0.67	19.19	4.76	14.43	0.75	
Baccalaureate colleges—general	#	#	15.01	#	#	#	11.56	15.91	-4.35	-0.38	
Baccalaureate/associate's colleges	†	†	†	†	†	†	†	†	†	†	
Associate's colleges	†	†	†	†	†	†	†	†	†	†	
Theological seminaries and other specialized faith-related institutions	†	†	†	†	†	†	†	†	†	†	
Medical schools and medical centers	#	#	2.84	4.76	-0.36	-0.11	3.28	2.99	0.29	0.09	
Other separate health profession schools	†	†	†	†	†	†	†	†	†	†	
Schools of engineering and technology	†	†	†	†	†	†	†	†	†	†	
Schools of business and management	†	†	†	†	†	†	†	†	†	†	
Schools of art, music, and design	#	#	#	14.00	-2.59	-1.00	3.21	†	†	†	
Schools of law	†	†	†	†	†	†	†	†	†	†	
Teachers colleges	†	†	†	†	†	†	†	†	†	†	
Other specialized institutions	#	#	13.80	#	#	#	10.63	13.04	-2.41	-0.23	
Tribal colleges and universities	†	†	†	†	†	†	†	†	†	†	
Unavailable or unknown	#	#	2.96	#	#	#	2.28	3.17	-0.88	-0.39	
Degree of urbanization											
Large city	10	#	40.15	23.52	3.08	0.08	36.33	40.00	-3.68	-0.10	
Mid-size city	10	#	24.22	#	#	#	18.66	23.71	-5.06	-0.27	

See notes at end of table.

Table K-14. Institution nonresponse bias before nonresponse adjustment and after weight adjustments for selected variables for New York private not-for-profit 4-year institutions: 2004—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment				
	Unweighted respondents	Unweighted non-respondents	Respondent mean weighted	Non-respondent mean weighted	Estimated bias	Relative bias	Overall mean, before adjustments	Overall mean, after adjustments	Estimated bias	Relative bias	
Urban fringe of large city	10	#	27.31	11.32	2.96	0.12	23.64	28.62	-4.99	-0.21	
Urban fringe of mid-size city	#	#	5.49	28.20	-4.21	-0.43	10.70	4.76	5.94	0.56	
Large town	#	#	1.42	#	#	#	1.09	1.50	-0.41	-0.37	
Small town	#	#	1.42	#	#	#	1.09	1.39	-0.30	-0.28	
Rural	†	†	†	†	†	†	†	†	†	†	
Not assigned	#	#	#	36.96	-6.85	-1.00	8.49	†	†	†	
Unavailable or unknown	†	†	†	†	†	†	†	†	†	†	
Historically Black college or university											
Yes	†	†	†	†	†	†	†	†	†	†	
No	30	10	100.00	100.00	# ¹	#	100.00	100.00	# ¹	#	
Percent receiving federal grant aid											
<=25	10	#	24.82	69.92	-8.36	-0.25	35.18	25.02	10.16	0.29	
>25, <=50	10	#	34.53	25.32	1.71	0.05	32.41	35.24	-2.83	-0.09	
>50, <=75	#	#	23.45	#	#	#	18.06	21.85	-3.79	-0.21	
>75	#	#	4.31	#	#	#	3.32	3.91	-0.59	-0.18	
Unavailable or unknown	10	#	12.89	4.76	1.51	0.13	11.02	13.98	-2.96	-0.27	
Percent receiving state/local grant aid											
<=25	#	#	9.74	60.48	-9.40	-0.49	21.39	9.34	12.05	0.56	
>25, <=50	10	#	11.35	28.20	-3.12	-0.22	15.22	11.99	3.22	0.21	
>50, <=75	10	#	50.34	6.56	8.11 ¹	0.19	40.29	48.71	-8.42	-0.21	
>75	#	#	15.68	#	#	#	12.08	15.97	-3.89	-0.32	
Unavailable or unknown	10	#	12.89	4.76	1.51	0.13	11.02	13.98	-2.96	-0.27	
Percent receiving institutional grant aid											
<=25	#	#	16.26	#	#	#	12.53	15.19	-2.66	-0.21	
>25, <=50	#	#	11.07	4.76	1.17	0.12	9.62	10.09	-0.46	-0.05	
>50, <=75	10	#	15.08	76.48	-11.38 ¹	-0.43	29.18	16.72	12.46	0.43	
>75	10	#	44.69	14.00	5.69	0.15	37.64	44.02	-6.38	-0.17	
Unavailable or unknown	10	#	12.89	4.76	1.51	0.13	11.02	13.98	-2.96	-0.27	

See notes at end of table.

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Table K-14. Institution nonresponse bias before nonresponse adjustment and after weight adjustments for selected variables for New York private not-for-profit 4-year institutions: 2004—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment				
	Unweighted respondents	Unweighted non-respondents	Respondent mean weighted	Non-respondent mean weighted	Estimated bias	Relative bias	Overall mean, before adjustments	Overall mean, after adjustments	Estimated bias	Relative bias	
Percent receiving student loan aid											
<=25	#	#	4.31	#	#	#	3.32	3.91	-0.59	-0.18	
>25, <=50	10	#	21.90	4.76	3.18	0.17	17.97	21.80	-3.84	-0.21	
>50, <=75	10	10	30.62	90.48	-11.09 ¹	-0.27	44.37	29.81	14.56	0.33	
>75	10	#	30.27	#	#	#	23.32	30.50	-7.18	-0.31	
Unavailable or unknown	10	#	12.89	4.76	1.51	0.13	11.02	13.98	-2.96	-0.27	
Percent enrolled: Black, non-Hispanic											
<=25	30	10	80.98	100.00	-3.52	-0.04	85.35	82.51	2.84	0.03	
>25, <=50	#	#	5.21	#	#	#	4.02	4.45	-0.43	-0.11	
>50, <=75	#	#	13.80	#	#	#	10.63	13.04	-2.41	-0.23	
>75	†	†	†	†	†	†	†	†	†	†	
Unavailable or unknown	†	†	†	†	†	†	†	†	†	†	
Percent enrolled: Asian or Pacific Islander											
<=25	30	10	98.58	100.00	-0.26	#	98.91	98.50	0.40	#	
>25, <=50	#	#	1.42	#	#	#	1.09	1.50	-0.40	-0.37	
>50, <=75	†	†	†	†	†	†	†	†	†	†	
>75	†	†	†	†	†	†	†	†	†	†	
Unavailable or unknown	†	†	†	†	†	†	†	†	†	†	
Percent enrolled: Hispanic											
<=25	30	10	97.25	100.00	-0.51	-0.01	97.88	97.70	0.18	#	
>25, <=50	#	#	2.75	#	#	#	2.12	2.30	-0.18	-0.09	
>50, <=75	†	†	†	†	†	†	†	†	†	†	
>75	†	†	†	†	†	†	†	†	†	†	
Unavailable or unknown	†	†	†	†	†	†	†	†	†	†	
Total undergraduate enrollment ²											
<=1,806	10	#	40.26	41.72	-0.27	-0.01	40.59	38.98	1.61	0.04	
>1,806, <=3,828.5	10	#	29.08	42.20	-2.43	-0.08	32.10	29.81	2.29	0.07	
>3,828.5, <=8,159	10	#	16.13	16.08	0.01	#	16.12	17.04	-0.93	-0.06	
>8,159	10	#	14.53	#	# ¹	#	11.20	14.17	-2.97	-0.27	
Unavailable or unknown	†	†	†	†	†	†	†	†	†	†	

See notes at end of table.

Table K-14. Institution nonresponse bias before nonresponse adjustment and after weight adjustments for selected variables for New York private not-for-profit 4-year institutions: 2004—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted respondents	Unweighted non-respondents	Respondent mean weighted	Non-respondent mean weighted	Estimated bias	Relative bias	Overall mean, before adjustments	Overall mean, after adjustments	Estimated bias	Relative bias
Total male undergraduate enrollment ²										
<=528	10	#	48.00	4.76	8.01 ¹	0.20	38.07	47.80	-9.73	-0.26
>528, <=1,548	10	#	27.08	65.16	-7.06	-0.21	35.83	27.28	8.55	0.24
>1,548, <=3,863	10	#	11.71	30.08	-3.40	-0.23	15.93	11.73	4.20	0.26
>3,863	10	#	13.20	#	# ¹	#	10.17	13.19	-3.02	-0.30
Unavailable or unknown	†	†	†	†	†	†	†	†	†	†
Total female undergraduate enrollment ²										
<=918	10	#	16.95	41.72	-4.59	-0.21	22.64	17.00	5.63	0.25
>918, <=1,925	10	#	50.98	28.20	4.22	0.09	45.75	49.83	-4.08	-0.09
>1,925, <=4,813	10	#	16.50	30.08	-2.52	-0.13	19.62	18.16	1.46	0.07
>4,813	10	#	15.58	#	# ¹	#	12.00	15.01	-3.01	-0.25
Unavailable or unknown	†	†	†	†	†	†	†	†	†	†
Total graduate/first-professional enrollment ³										
<=3,042	20	#	73.08	55.72	3.22	0.05	69.10	72.23	-3.13	-0.05
>3,042	20	#	26.92	16.08	2.01	0.08	24.43	27.77	-3.34	-0.14
Total enrollment = 0	#	#	#	28.20	-5.23	-1.00	6.48	†	†	†
Total male graduate/first-professional enrollment ³										
<=1,249	20	#	74.12	55.72	3.41	0.05	69.90	73.62	-3.72	-0.05
>1,249	20	#	25.88	16.08	1.82	0.08	23.63	26.38	-2.76	-0.12
Total enrollment = 0	#	#	#	28.20	-5.23	-1.00	6.48	†	†	†
Total female graduate/first-professional enrollment ³										
<=1,394	20	#	73.08	55.72	3.22	0.05	69.10	72.23	-3.13	-0.05
>1,394	20	#	26.92	16.08	2.01	0.08	24.43	27.77	-3.34	-0.14
Total enrollment = 0	#	#	#	28.20	-5.23	-1.00	6.48	†	†	†

† Not applicable.

Rounds to zero.

¹ Bias is significant at the 0.05/(c-1) level, where c is the number of categories within the primary variable.

² Undergraduate enrollment categories were defined by quartiles.

³ Graduate/first-professional enrollment categories were defined by the median.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004 National Postsecondary Student Aid Study (NPSAS:04).

Table K-15. Institution nonresponse bias before nonresponse adjustment and after weight adjustments for selected variables for Texas private not-for-profit 4-year institutions: 2004

Variable	Before nonresponse adjustment						After nonresponse adjustment				
	Unweighted respondents	Unweighted non-respondents	Respondent mean weighted	Non-respondent mean weighted	Estimated bias	Relative bias	Overall mean, before adjustments	Overall mean, after adjustments	Estimated bias	Relative bias	
Carnegie classification code											
Doctorate-granting/research universities—extensive	#	#	6.19	#	#	#	4.16	6.38	-2.22	-0.53	
Doctorate-granting/research universities—intensive	#	#	6.19	#	#	#	4.16	5.20	-1.04	-0.25	
Master's colleges and universities I	10	#	32.35	6.36	4.14	0.15	23.85	32.09	-8.24	-0.35	
Master's (comprehensive) colleges and universities II	#	#	3.09	12.72	-1.53	-0.33	6.24	3.81	2.44	0.39	
Baccalaureate colleges—liberal arts	#	#	11.61	6.36	0.84	0.08	9.89	11.46	-1.57	-0.16	
Baccalaureate colleges—general	#	#	10.70	15.48	-0.76	-0.07	12.26	9.39	2.87	0.23	
Baccalaureate/associate's colleges	†	†	†	†	†	†	†	†	†	†	
Associate's colleges	†	†	†	†	†	†	†	†	†	†	
Theological seminaries and other specialized faith-related institutions	#	#	13.68	59.08	-7.23	-0.35	28.54	16.28	12.25	0.43	
Medical schools and medical centers	#	#	3.09	#	#	#	2.08	2.94	-0.86	-0.41	
Other separate health profession schools	†	†	†	†	†	†	†	†	†	†	
Schools of engineering and technology	†	†	†	†	†	†	†	†	†	†	
Schools of business and management	†	†	†	†	†	†	†	†	†	†	
Schools of art, music, and design	†	†	†	†	†	†	†	†	†	†	
Schools of law	#	#	13.10	#	#	#	8.82	12.45	-3.64	-0.41	
Teachers colleges	†	†	†	†	†	†	†	†	†	†	
Other specialized institutions	†	†	†	†	†	†	†	†	†	†	
Tribal colleges and universities	†	†	†	†	†	†	†	†	†	†	
Unavailable or unknown	†	†	†	†	†	†	†	†	†	†	
Degree of urbanization											
Large city	10	#	56.30	71.80	-2.47	-0.04	61.38	55.58	5.80	0.09	
Mid-size city	#	#	17.92	12.72	0.83	0.05	16.22	16.33	-0.11	-0.01	

See notes at end of table.

Table K-15. Institution nonresponse bias before nonresponse adjustment and after weight adjustments for selected variables for Texas private not-for-profit 4-year institutions: 2004—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment				
	Unweighted respondents	Unweighted non-respondents	Respondent mean weighted	Non-respondent mean weighted	Estimated bias	Relative bias	Overall mean, before adjustments	Overall mean, after adjustments	Estimated bias	Relative bias	
Urban fringe of large city	#	#	10.57	15.48	-0.78	-0.07	12.18	13.82	-1.65	-0.14	
Urban fringe of mid-size city	#	#	3.09	#	#	#	2.08	3.11	-1.03	-0.50	
Large town	#	#	3.82	#	#	#	2.57	4.13	-1.56	-0.61	
Small town	#	#	8.29	#	#	#	5.58	7.02	-1.45	-0.26	
Rural	†	†	†	†	†	†	†	†	†	†	
Not assigned	†	†	†	†	†	†	†	†	†	†	
Unavailable or unknown	†	†	†	†	†	†	†	†	†	†	
Historically Black college or university											
Yes	†	†	†	†	†	†	†	†	†	†	
No	20	10	100.00	100.00	# ¹	#	100.00	100.00	# ¹	#	
Percent receiving federal grant aid											
<=25	10	#	27.03	12.72	2.28	0.09	22.35	25.38	-3.03	-0.14	
>25, <=50	10	#	39.69	80.92	-6.56	-0.14	53.18	43.27	9.91	0.19	
>50, <=75	#	#	8.60	6.36	0.36	0.04	7.86	7.81	0.05	0.01	
>75	†	†	†	†	†	†	†	†	†	†	
Unavailable or unknown	#	#	24.68	#	#	#	16.61	23.53	-6.93	-0.42	
Percent receiving state/local grant aid											
<=25	#	#	6.19	12.72	-1.04	-0.14	8.32	6.38	1.94	0.23	
>25, <=50	10	#	39.15	80.92	-6.65	-0.15	52.81	41.85	10.97	0.21	
>50, <=75	10	#	26.89	6.36	3.27	0.14	20.17	25.78	-5.61	-0.28	
>75	#	#	3.09	#	#	#	2.08	2.46	-0.38	-0.18	
Unavailable or unknown	#	#	24.68	#	#	#	16.61	23.53	-6.93	-0.42	
Percent receiving institutional grant aid											
<=25	#	#	#	6.36	-1.01	-1.00	2.08	†	†	†	
>25, <=50	#	#	3.82	#	#	#	2.57	4.13	-1.56	-0.61	
>50, <=75	10	#	46.71	6.36	6.42 ¹	0.16	33.51	50.75	-17.24	-0.51	
>75	10	#	24.79	87.28	-9.95 ¹	-0.29	45.24	21.59	23.65	0.52	
Unavailable or unknown	#	#	24.68	#	#	#	16.61	23.53	-6.93	-0.42	

See notes at end of table.

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Table K-15. Institution nonresponse bias before nonresponse adjustment and after weight adjustments for selected variables for Texas private not-for-profit 4-year institutions: 2004—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted respondents	Unweighted non-respondents	Respondent mean weighted	Non-respondent mean weighted	Estimated bias	Relative bias	Overall mean, before adjustments	Overall mean, after adjustments	Estimated bias	Relative bias
Percent receiving student loan aid										
<=25	†	†	†	†	†	†	†	†	†	†
>25, <=50	10	#	21.65	#	# ¹	#	14.57	20.42	-5.85	-0.40
>50, <=75	10	#	40.00	34.56	0.87	0.02	38.22	39.23	-1.01	-0.03
>75	#	#	13.67	65.44	-8.24	-0.38	30.61	16.82	13.79	0.45
Unavailable or unknown	#	#	24.68	#	#	#	16.61	23.53	-6.93	-0.42
Percent enrolled: Black, non-Hispanic										
<=25	20	10	100.00	100.00	#	#	100.00	100.00	#	#
>25, <=50	†	†	†	†	†	†	†	†	†	†
>50, <=75	†	†	†	†	†	†	†	†	†	†
>75	†	†	†	†	†	†	†	†	†	†
Unavailable or unknown	†	†	†	†	†	†	†	†	†	†
Percent enrolled: Asian or Pacific Islander										
<=25	20	10	100.00	100.00	#	#	100.00	100.00	#	#
>25, <=50	†	†	†	†	†	†	†	†	†	†
>50, <=75	†	†	†	†	†	†	†	†	†	†
>75	†	†	†	†	†	†	†	†	†	†
Unavailable or unknown	†	†	†	†	†	†	†	†	†	†
Percent enrolled: Hispanic										
<=25	20	10	87.63	100.00	-1.97	-0.02	91.68	87.04	4.64	0.05
>25, <=50	#	#	3.09	#	#	#	2.08	3.81	-1.72	-0.83
>50, <=75	#	#	9.28	#	#	#	6.24	9.16	-2.91	-0.47
>75	†	†	†	†	†	†	†	†	†	†
Unavailable or unknown	†	†	†	†	†	†	†	†	†	†
Total undergraduate enrollment ²										
<=1,318	10	#	36.29	74.56	-6.09	-0.14	48.81	34.99	13.82	0.28
>1,318, <=2,284.5	10	#	22.77	12.72	1.60	0.08	19.48	25.17	-5.69	-0.29
>2,284.5, <=3,991	10	#	22.38	6.36	2.55	0.13	17.14	22.52	-5.38	-0.31
>3,991	10	#	18.56	6.36	1.94	0.12	14.57	17.32	-2.75	-0.19
Unavailable or unknown	†	†	†	†	†	†	†	†	†	†

See notes at end of table.

Table K-15. Institution nonresponse bias before nonresponse adjustment and after weight adjustments for selected variables for Texas private not-for-profit 4-year institutions: 2004—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted respondents	Unweighted non-respondents	Respondent mean weighted	Non-respondent mean weighted	Estimated bias	Relative bias	Overall mean, before adjustments	Overall mean, after adjustments	Estimated bias	Relative bias
Total male undergraduate enrollment ²										
<=566	10	#	36.29	74.56	-6.09	-0.14	48.81	34.99	13.82	0.28
>566, <=858.5	10	#	20.67	12.72	1.27	0.07	18.07	23.60	-5.53	-0.31
>858.5, <=1,712	10	#	24.48	6.36	2.88	0.13	18.55	23.67	-5.12	-0.28
>1,712	10	#	18.56	6.36	1.94	0.12	14.57	17.74	-3.17	-0.22
Unavailable or unknown	†	†	†	†	†	†	†	†	†	†
Total female undergraduate enrollment ²										
<=777	10	#	36.29	74.56	-6.09	-0.14	48.81	34.99	13.82	0.28
>777, <=1,323	10	#	22.81	12.72	1.61	0.08	19.51	24.17	-4.67	-0.24
>1,323, <=2,243	10	#	22.34	6.36	2.54	0.13	17.11	23.52	-6.40	-0.37
>2,243	10	#	18.56	6.36	1.94	0.12	14.57	17.32	-2.75	-0.19
Unavailable or unknown	†	†	†	†	†	†	†	†	†	†
Total graduate/first-professional enrollment ³										
<=1,241	10	#	37.59	28.20	1.50	0.04	34.52	41.53	-7.02	-0.20
>1,241	10	#	46.33	12.72	5.35	0.13	35.34	43.40	-8.06	-0.23
Total enrollment = 0	#	#	16.08	59.08	-6.85	-0.30	30.15	15.07	15.08	0.50
Total male graduate/first-professional enrollment ³										
<=510	10	#	37.59	28.20	1.50	0.04	34.52	42.07	-7.56	-0.22
>510	10	#	46.33	12.72	5.35	0.13	35.34	42.86	-7.52	-0.21
Total enrollment = 0	#	#	16.08	59.08	-6.85	-0.30	30.15	15.07	15.08	0.50
Total female graduate/first-professional enrollment ³										
<=664	10	#	49.21	28.20	3.34	0.07	42.33	49.79	-7.45	-0.18
>664	10	#	34.72	12.72	3.50	0.11	27.52	35.15	-7.63	-0.28
Total enrollment = 0	#	#	16.08	59.08	-6.85	-0.30	30.15	15.07	15.08	0.50

† Not applicable.

Rounds to zero.

¹ Bias is significant at the 0.05/(c-1) level, where c is the number of categories within the primary variable.

² Undergraduate enrollment categories were defined by quartiles.

³ Graduate/first-professional enrollment categories were defined by the median.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004 National Postsecondary Student Aid Study (NPSAS:04).

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Student Nonresponse Bias Analysis

Table K-16. Student nonresponse bias before nonresponse adjustment and after weight adjustments for selected variables for students in public 2-year institutions: 2004

Variable	Before nonresponse adjustment						After nonresponse adjustment				
	Unweighted respondents	Unweighted non-respondents	Respondent mean weighted	Non-respondent mean weighted	Estimated bias	Relative bias	Overall mean, before adjustments	Overall mean, after adjustments	Estimated bias	Relative bias	
Bureau of Economic Analysis Code (Office of Business Economics [OBE]) Region ¹											
New England	810	310	2.47	3.84	-0.14	-0.05	2.72	2.36	0.36	0.13	
Mid East	3,000	920	9.64	7.73	0.20	0.02	9.29	9.85	-0.55	-0.06	
Great Lakes	4,290	700	18.64	12.41	0.64	0.04	17.50	18.26	-0.76	-0.04	
Plains	2,090	610	6.32	6.09	0.02	#	6.28	6.00	0.28	0.04	
Southeast	7,250	820	24.20	12.17	1.23 ²	0.05	22.00	22.08	-0.08	#	
Southwest	3,770	460	15.72	8.40	0.75 ²	0.05	14.37	14.72	-0.35	-0.02	
Rocky Mountains	370	210	1.34	0.88	0.05	0.04	1.26	0.52	0.74	0.59	
Far West	4,730	2,130	21.64	48.33	-2.73 ²	-0.11	26.54	26.20	0.34	0.01	
Outlying areas	10	80	0.02	0.15	-0.01	-0.44	0.04	0.01	0.03	0.65	
Student type											
Undergraduate student	26,320	6,220	100.00	100.00	#	#	100.00	100.00	#	#	
Graduate student	†	†	†	†	†	†	†	†	†	†	
First-professional	†	†	†	†	†	†	†	†	†	†	
Unknown	†	†	†	†	†	†	†	†	†	†	
CPS record available											
No	14,190	#	51.63	#	#	#	42.16	40.48	1.68 ²	0.04	
Yes	12,130	6,220	48.37	100.00	-5.29 ²	-0.10	57.84	59.52	-1.68 ²	-0.03	
Applied for federal aid											
No	16,300	300	57.93	3.19	5.61 ²	0.11	47.89	48.80	-0.91	-0.02	
Yes	10,020	4,330	42.07	77.35	-3.61 ²	-0.08	48.54	51.20	-2.66 ²	-0.05	
Unknown	#	1,590	#	19.46	-1.99 ²	-1.00	3.57	†	†	†	
Pell Grant status											
Received	8,610	190	31.31	2.09	2.99 ²	0.11	25.95	23.23	2.72 ²	0.10	
Did not receive	17,700	5,580	68.62	90.78	-2.27 ²	-0.03	72.68	76.66	-3.98 ²	-0.05	
Unknown	16	450	0.07	7.14	-0.72	-0.91	1.37	0.10	1.26	0.92	
Total Pell amount received ³											
<=\$1,300	2,160	60	23.22	28.85	-0.58	-0.02	23.31	26.32	-3.01 ²	-0.13	
>1,300, <=2,025	2,110	50	23.52	22.82	0.07	#	23.51	24.81	-1.29 ²	-0.05	
>2,025, <=3,544	2,160	50	25.95	28.73	-0.28	-0.01	25.99	24.40	1.59 ²	0.06	
>3,544	2,100	30	26.25	16.04	1.05 ²	0.04	26.10	22.57	3.53 ²	0.14	
Unknown	80	#	1.05	3.56	-0.26	-0.20	1.08	1.90	-0.81	-0.75	

See notes at end of table.

Table K-16. Student nonresponse bias before nonresponse adjustment and after weight adjustments for selected variables for students in public 2-year institutions: 2004—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment				
	Unweighted respondents	Unweighted non-respondents	Respondent mean weighted	Non-respondent mean weighted	Estimated bias	Relative bias	Overall mean, before adjustments	Overall mean, after adjustments	Estimated bias	Relative bias	
Stafford Loan status											
Received	4,590	190	17.89	2.03	1.62 ²	0.10	14.98	13.17	1.82 ²	0.12	
Did not receive	21,710	5,580	82.04	90.83	-0.90	-0.01	83.65	86.74	-3.08 ²	-0.04	
Unknown	20	450	0.07	7.14	-0.72	-0.91	1.37	0.10	1.27	0.93	
Total Stafford amount received ³											
<=\$2,200	1,140	60	23.11	25.81	-0.28	-0.01	23.17	24.32	-1.15 ²	-0.05	
>2,200, <=2,625	1,330	60	23.45	21.87	0.16	0.01	23.41	24.17	-0.76	-0.03	
>2,625, <=5,023.5	950	30	24.24	22.86	0.14	0.01	24.20	23.15	1.06 ²	0.04	
>5,023.5	1,140	50	28.56	28.33	0.02	#	28.55	27.05	1.50 ²	0.05	
Unknown	40	#	0.65	1.13	-0.05	-0.07	0.66	1.31	-0.65	-0.98	
Institution undergraduate enrollment ³											
<=7,053	7,270	960	26.63	11.39	1.56 ²	0.06	23.83	22.73	1.11	0.05	
>7,053, <=12,179	6,420	1,610	22.67	19.50	0.33	0.01	22.09	22.68	-0.59	-0.03	
>12,179, <=26,798	6,110	1,900	21.66	32.60	-1.12	-0.05	23.67	23.71	-0.05	#	
>26,798	6,380	1,710	28.56	36.04	-0.77	-0.03	29.93	30.47	-0.54	-0.02	
Unknown	140	50	0.48	0.46	#	#	0.48	0.41	0.07	0.14	
Tuition ⁴											
Low	8,170	2,280	34.10	47.96	-1.42 ²	-0.04	36.64	36.74	-0.10	#	
Medium	8,700	1,520	28.84	17.68	1.14 ²	0.04	26.79	27.35	-0.56	-0.02	
High	8,370	1,970	33.21	28.73	0.46	0.01	32.39	32.70	-0.31	-0.01	
Unknown	1,070	450	3.85	5.64	-0.18	-0.05	4.18	3.20	0.97	0.23	
Percent PT enrollment											
<= 25	220	80	0.37	0.16	0.02	0.06	0.33	0.35	-0.02	-0.05	
>25, <=50	6,190	810	21.82	10.83	1.13 ²	0.05	19.81	19.71	0.09	#	
>50, <=75	18,200	4,590	70.23	72.51	-0.23	#	70.64	71.51	-0.86	-0.01	
>75	1,570	700	7.08	16.04	-0.92	-0.11	8.73	8.01	0.72	0.08	
Unknown	150	50	0.50	0.46	#	0.01	0.49	0.43	0.07	0.13	

† Not applicable.

Rounds to zero.

¹ New England = Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont; Mid East = Delaware, District of Columbia, Maryland, New Jersey, New York, Pennsylvania; Great Lakes = Illinois, Indiana, Michigan, Ohio, Wisconsin; Plains = Iowa, Kansas, Minnesota, Missouri, Nebraska, North Dakota, South Dakota; Southeast = Alabama, Arkansas, Florida, Georgia, Kentucky, Louisiana, Mississippi, North Carolina, South Carolina, Tennessee, Virginia, West Virginia; Southwest = Arizona, New Mexico, Oklahoma, Texas; Rocky Mountains = Colorado, Idaho, Montana, Utah, Wyoming; Far West = Alaska, California, Hawaii, Nevada, Oregon, Washington; Outlying Areas = American Samoa, Federated States of Micronesia, Guam, Marshall Islands, Northern Mariana Islands, Puerto Rico, Palau, Virgin Islands.

² Bias is significant at the 0.05/(c-1) level, where c is the number of categories within the primary variable.

³ Undergraduate enrollment, Pell grant amount, and Stafford loan amount categories were defined by quartiles.

⁴ Tuition categories were defined by thirds.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004 National Postsecondary Student Aid Study (NPSAS:04).

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Table K-17. Student nonresponse bias before nonresponse adjustment and after weight adjustments for selected variables for students in California public 2-year institutions: 2004

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted respondents	Unweighted non-respondents	Respondent mean weighted	Non-respondent mean weighted	Estimated bias	Relative bias	Overall mean, before adjustments	Overall mean, after adjustments	Estimated bias	Relative bias
Student type										
Undergraduate student	2,850	2,960	100.00	100.00	# ¹	#	100.00	100.00	# ¹	#
Graduate student	†	†	†	†	†	†	†	†	†	†
First-professional	†	†	†	†	†	†	†	†	†	†
Unknown	†	†	†	†	†	†	†	†	†	†
CPS record available										
No	1,270	#	43.26	#	# ¹	#	26.53	29.44	-2.92	-0.11
Yes	1,590	#	56.74	#	# ¹	#	34.80	70.56	-35.76 ¹	-1.03
Unknown	#	1,960	#	100.00	-10.24	-1.00	38.67	†	†	†
Applied for federal aid										
No	1,500	10	50.33	0.45	5.11 ¹	0.11	31.04	39.73	-8.69 ¹	-0.28
Yes	1,360	1,600	49.67	83.81	-3.50 ¹	-0.07	62.87	60.27	2.60	0.04
Unknown	#	350	#	15.75	-1.61	-1.00	6.09	†	†	†
Pell Grant status										
Received	660	#	22.70	0.21	2.30 ¹	0.11	14.00	15.20	-1.20	-0.09
Did not receive	2,200	1,800	77.23	92.49	-1.56 ¹	-0.02	83.13	84.70	-1.57	-0.02
Unknown	#	180	0.08	7.30	-0.74	-0.91	2.87	0.10	2.77	0.96
Total Pell amount received ²										
<=\$1,425	2,360	1,770	82.80	92.55	-1.00	-0.01	86.57	88.63	-2.06	-0.02
>1,425, <=2,462	160	#	5.54	0.06	0.56 ¹	0.11	3.42	3.70	-0.28	-0.08
>2,462, <=3,750	170	#	5.97	0.06	0.61 ¹	0.11	3.69	3.94	-0.26	-0.07
>3,750	160	#	5.70	0.02	0.58 ¹	0.11	3.50	3.74	-0.24	-0.07
Unknown	#	180	#	7.30	-0.75	-1.00	2.82	†	†	†
Stafford Loan status										
Received	200	10	7.13	0.30	0.70 ¹	0.11	4.49	4.38	0.12	0.03
Did not receive	2,650	1,770	92.79	92.39	0.04	#	92.64	95.52	-2.88	-0.03
Unknown	#	180	0.08	7.30	-0.74	-0.91	2.87	0.10	2.77	0.96
Total Stafford amount received ²										
<=\$2,625	2,720	1,770	95.21	92.49	0.28	#	94.16	96.90	-2.74	-0.03
>2,625, <=3,500	40	#	1.23	#	# ¹	#	0.76	0.82	-0.06	-0.08
>3,500, <=6,125	50	#	1.62	0.17	0.15 ¹	0.10	1.06	0.80	0.27 ¹	0.25
>6,125	50	#	1.93	0.04	0.19 ¹	0.11	1.20	1.49	-0.29	-0.24
Unknown	#	180	#	7.30	-0.75	-1.00	2.82	†	†	†

See notes at end of table.

Table K-17. Student nonresponse bias before nonresponse adjustment and after weight adjustments for selected variables for students in California public 2-year institutions: 2004—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted respondents	Unweighted non-respondents	Respondent mean weighted	Non-respondent mean weighted	Estimated bias	Relative bias	Overall mean, before adjustments	Overall mean, after adjustments	Estimated bias	Relative bias
Institution undergraduate enrollment ²										
<=17,925	810	530	32.01	32.10	-0.01	#	32.04	33.47	-1.43	-0.04
>17,925, <=29,583	740	470	24.68	22.00	0.27	0.01	23.64	24.03	-0.39	-0.02
>29,583, <=46,027	750	560	19.79	23.00	-0.33	-0.02	21.03	20.14	0.89	0.04
>46,027	560	390	23.52	22.90	0.06	#	23.28	22.36	0.92	0.04
Unknown	†	†	†	†	†	†	†	†	†	†
Tuition ²										
Low	1,470	1,170	47.95	53.36	-0.55	-0.01	50.04	49.62	0.42	0.01
Medium	260	70	11.02	4.15	0.70 ¹	0.07	8.36	10.64	-2.28 ¹	-0.27
High	930	570	31.93	32.09	-0.02	#	32.00	32.14	-0.14	#
Unknown	200	150	9.09	10.40	-0.13	-0.01	9.60	7.59	2.00	0.21
Percent PT enrollment										
<= 25	†	†	†	†	†	†	†	†	†	†
>25, <=50	†	†	†	†	†	†	†	†	†	†
>50, <=75	2,430	1,480	83.58	74.27	0.95	0.01	79.98	84.17	-4.19	-0.05
>75	420	480	16.42	25.73	-0.95	-0.05	20.02	15.83	4.19	0.21
Unknown	†	†	†	†	†	†	†	†	†	†

† Not applicable.

Rounds to zero.

¹ Bias is significant at the 0.05/(c-1) level, where c is the number of categories within the primary variable.

² Undergraduate enrollment, Pell grant amount, and Stafford loan amount categories were defined by quartiles.

³ Tuition categories were defined by thirds.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004 National Postsecondary Student Aid Study (NPSAS:04).

Table K-18. Student nonresponse bias before nonresponse adjustment and after weight adjustments for selected variables for students in Connecticut public 2-year institutions: 2004

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted respondents	Unweighted non-respondents	Respondent mean weighted	Non-respondent mean weighted	Estimated bias	Relative bias	Overall mean, before adjustments	Overall mean, after adjustments	Estimated bias	Relative bias
Student type										
Undergraduate student	420	150	100.00	100.00	# ¹	#	100.00	100.00	# ¹	#
Graduate student	†	†	†	†	†	†	†	†	†	†
First-professional	†	†	†	†	†	†	†	†	†	†
Unknown	†	†	†	†	†	†	†	†	†	†
CPS record available										
No	270	#	63.37	#	# ¹	#	47.25	48.19	-0.93	-0.02
Yes	150	#	36.63	#	# ¹	#	27.32	51.81	-24.50 ¹	-0.90
Unknown	#	150	#	100.00	-10.24	-1.00	25.43	†	†	†
Applied for federal aid										
No	290	#	65.60	#	# ¹	#	48.92	51.19	-2.27	-0.05
Yes	130	140	34.40	98.55	-6.57 ¹	-0.16	50.71	48.81	1.91	0.04
Unknown	#	20	#	1.45	-0.15 ¹	-1.00	0.37	†	†	†
Pell Grant status										
Received	160	#	35.86	#	# ¹	#	26.74	23.89	2.85 ¹	0.11
Did not receive	260	140	64.14	99.69	-3.64 ¹	-0.05	73.18	76.11	-2.93 ¹	-0.04
Unknown	#	10	#	0.31	-0.03 ¹	-1.00	0.08	†	†	†
Total Pell amount received ²										
<=\$1,012	300	140	74.28	99.69	-2.60 ¹	-0.03	80.74	84.13	-3.39 ¹	-0.04
>1,012, <=1,975	40	#	8.23	#	# ¹	#	6.13	5.79	0.34 ¹	0.06
>1,975, <=2,906	40	#	8.23	#	# ¹	#	6.13	5.19	0.95 ¹	0.15
>2,906	40	#	9.27	#	# ¹	#	6.91	4.90	2.02 ¹	0.29
Unknown	#	10	#	0.31	-0.03 ¹	-1.00	0.08	†	†	†
Stafford Loan status										
Received	30	#	8.82	#	# ¹	#	6.57	5.87	0.70	0.11
Did not receive	390	140	91.18	99.69	-0.87 ¹	-0.01	93.35	94.13	-0.78	-0.01
Unknown	#	10	#	0.31	-0.03 ¹	-1.00	0.08	†	†	†

See notes at end of table.

Table K-18. Student nonresponse bias before nonresponse adjustment and after weight adjustments for selected variables for students in Connecticut public 2-year institutions: 2004—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted respondents	Unweighted non-respondents	Respondent mean weighted	Non-respondent mean weighted	Estimated bias	Relative bias	Overall mean, before adjustments	Overall mean, after adjustments	Estimated bias	Relative bias
Total Stafford amount received ²										
<=\$2,500	400	140	93.39	99.69	-0.64 ¹	-0.01	94.99	96.03	-1.04	-0.01
>2,500, <=2,625	10	#	2.68	#	# ¹	#	2.00	1.91	0.09	0.05
>2,625, <=4,500	10	#	1.46	#	#	#	1.09	0.76	0.33	0.30
>4,500	10	#	2.46	#	# ¹	#	1.84	1.30	0.54	0.29
Unknown	#	10	#	0.31	-0.03 ¹	-1.00	0.08	†	†	†
Institution undergraduate enrollment ²										
<=5,178	130	40	34.76	30.89	0.40	0.01	33.77	34.95	-1.18	-0.03
>5,178, <=7,353	140	40	32.79	30.47	0.24	0.01	32.20	31.45	0.75	0.02
>7,353, <=8,220	50	20	11.54	10.38	0.12	0.01	11.24	11.78	-0.54	-0.05
>8,220	90	40	20.86	27.95	-0.73 ¹	-0.03	22.66	21.69	0.97	0.04
Unknown	10	10	0.06	0.31	-0.03 ¹	-0.31	0.12	0.11	0.01	0.06
Tuition ³										
Low	410	140	99.94	99.69	0.03 ¹	#	99.88	99.89	-0.01	#
Medium	†	†	†	†	†	†	†	†	†	†
High	†	†	†	†	†	†	†	†	†	†
Unknown	10	10	0.06	0.31	-0.03 ¹	-0.31	0.12	0.11	0.01	0.06
Percent PT enrollment										
<= 25	†	†	†	†	†	†	†	†	†	†
>25, <=50	†	†	†	†	†	†	†	†	†	†
>50, <=75	410	140	99.94	99.69	0.03 ¹	#	99.88	99.89	-0.01	#
>75	†	†	†	†	†	†	†	†	†	†
Unknown	10	10	0.06	0.31	-0.03 ¹	-0.31	0.12	0.11	0.01	0.06

† Not applicable.

Rounds to zero.

¹ Bias is significant at the 0.05/(c-1) level, where c is the number of categories within the primary variable.

² Undergraduate enrollment, Pell grant amount, and Stafford loan amount categories were defined by quartiles.

³ Tuition categories were defined by thirds.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004 National Postsecondary Student Aid Study (NPSAS:04).

Table K-19. Student nonresponse bias before nonresponse adjustment and after weight adjustments for selected variables for students in Delaware public 2-year institutions: 2004

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted respondents	Unweighted non-respondents	Respondent mean weighted	Non-respondent mean weighted	Estimated bias	Relative bias	Overall mean, before adjustments	Overall mean, after adjustments	Estimated bias	Relative bias
Student type										
Undergraduate student	460	380	100.00	100.00	# ¹	#	100.00	100.00	# ¹	#
Graduate student	†	†	†	†	†	†	†	†	†	†
First-professional	†	†	†	†	†	†	†	†	†	†
Unknown	†	†	†	†	†	†	†	†	†	†
CPS record available										
No	40	#	8.22	#	# ¹	#	4.57	9.95	-5.38 ¹	-1.18
Yes	420	#	91.78	#	# ¹	#	51.09	90.05	-38.96 ¹	-0.76
Unknown	#	380	#	100.00	-10.24	-1.00	44.34	†	†	†
Applied for federal aid										
No	430	#	93.19	#	# ¹	#	51.87	92.68	-40.81 ¹	-0.79
Yes	30	#	6.81	#	# ¹	#	3.79	7.32	-3.52 ¹	-0.93
Unknown	#	380	#	100.00	-10.24 ¹	-1.00	44.34	†	†	†
Pell Grant status										
Received	30	#	6.01	#	# ¹	#	3.35	9.91	-6.56 ¹	-1.96
Did not receive	430	380	93.99	100.00	-0.62 ¹	-0.01	96.65	90.09	6.56 ¹	0.07
Unknown	†	†	†	†	†	†	†	†	†	†
Total Pell amount received ²										
<=\$1,000	440	380	95.59	100.00	-0.45 ¹	#	97.55	91.10	6.45 ¹	0.07
>1,000, <=2,055.5	10	#	1.40	#	# ¹	#	0.78	1.57	-0.79 ¹	-1.01
>2,055.5, <=3,544	10	#	1.80	#	# ¹	#	1.00	4.03	-3.02	-3.01
>3,544	10	#	1.20	#	# ¹	#	0.67	3.31	-2.64	-3.94
Unknown	†	†	†	†	†	†	†	†	†	†
Stafford Loan status										
Received	20	#	3.61	#	# ¹	#	2.01	4.92	-2.91	-1.45
Did not receive	450	380	96.39	100.00	-0.37 ¹	#	97.99	95.08	2.91	0.03
Unknown	†	†	†	†	†	†	†	†	†	†
Total Stafford amount received ²										
<=\$1,661	450	380	97.40	100.00	-0.27 ¹	#	98.55	96.72	1.83	0.02
>1,661, <=2,625	10	#	2.20	#	# ¹	#	1.23	2.89	-1.66	-1.35
>2,625, <=2,625	†	†	†	†	†	†	†	†	†	†
>2,625	#	#	0.40	#	#	#	0.22	0.39	-0.17	-0.75
Unknown	†	†	†	†	†	†	†	†	†	†

† Not applicable.

Rounds to zero.

¹ Bias is significant at the 0.05/(c-1) level, where c is the number of categories within the primary variable.² Pell grant amount and Stafford loan amount categories were defined by quartiles.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004 National Postsecondary Student Aid Study (NPSAS:04).

Table K-20. Student nonresponse bias before nonresponse adjustment and after weight adjustments for selected variables for students in Minnesota public 2-year institutions: 2004

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted respondents	Unweighted non-respondents	Respondent mean weighted	Non-respondent mean weighted	Estimated bias	Relative bias	Overall mean, before adjustments	Overall mean, after adjustments	Estimated bias	Relative bias
Student type										
Undergraduate student	790	530	100.00	100.00	# ¹	#	100.00	100.00	# ¹	#
Graduate student	†	†	†	†	†	†	†	†	†	†
First-professional	†	†	†	†	†	†	†	†	†	†
Unknown	†	†	†	†	†	†	†	†	†	†
CPS record available										
No	480	#	60.22	#	# ¹	#	35.72	47.37	-11.65 ¹	-0.33
Yes	310	#	39.78	#	# ¹	#	23.60	52.63	-29.04 ¹	-1.23
Unknown	#	530	#	100.00	-10.24	-1.00	40.68	†	†	†
Applied for federal aid										
No	750	200	95.85	37.26	6.00 ¹	0.07	72.01	94.16	-22.15 ¹	-0.31
Yes	50	50	4.15	9.83	-0.58 ¹	-0.12	6.46	5.84	0.62	0.10
Unknown	#	270	#	52.91	-5.42 ¹	-1.00	21.53	†	†	†
Pell Grant status										
Received	220	120	28.66	21.86	0.70 ¹	0.02	25.89	23.21	2.69	0.10
Did not receive	570	410	71.34	78.14	-0.70 ¹	-0.01	74.11	76.79	-2.69	-0.04
Unknown	†	†	†	†	†	†	†	†	†	†
Total Pell amount received ²										
<=\$1,100	630	440	78.44	84.59	-0.63 ¹	-0.01	80.95	82.52	-1.57	-0.02
>1,100, <=2,025	50	40	6.20	7.41	-0.12	-0.02	6.69	5.23	1.47	0.22
>2,025, <=3,544	60	30	7.14	4.69	0.25	0.04	6.15	5.76	0.38	0.06
>3,544	60	20	8.21	3.31	0.50 ¹	0.07	6.21	6.49	-0.27	-0.04
Unknown	†	†	†	†	†	†	†	†	†	†
Stafford Loan status										
Received	290	150	39.20	29.11	1.03 ¹	0.03	35.09	31.62	3.47 ¹	0.10
Did not receive	500	380	60.80	70.89	-1.03 ¹	-0.02	64.91	68.38	-3.47 ¹	-0.05
Unknown	†	†	†	†	†	†	†	†	†	†
Total Stafford amount received ²										
<=\$2,500	560	430	69.90	80.55	-1.09 ¹	-0.02	74.23	75.64	-1.41	-0.02
>2,500, <=2,625	110	50	10.36	7.47	0.30	0.03	9.18	8.54	0.64	0.07
>2,625, <=4,455	50	20	8.65	5.46	0.33	0.04	7.35	7.24	0.11	0.01
>4,455	70	40	11.10	6.53	0.47	0.04	9.24	8.58	0.66	0.07
Unknown	†	†	†	†	†	†	†	†	†	†

See notes at end of table.

Table K-20. Student nonresponse bias before nonresponse adjustment and after weight adjustments for selected variables for students in Minnesota public 2-year institutions: 2004—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted respondents	Unweighted non-respondents	Respondent mean weighted	Non-respondent mean weighted	Estimated bias	Relative bias	Overall mean, before adjustments	Overall mean, after adjustments	Estimated bias	Relative bias
Institution undergraduate enrollment ²										
<=5,012	200	130	26.25	22.11	0.42	0.02	24.57	25.00	-0.44	-0.02
>5,012, <=8,175	190	160	23.24	31.39	-0.83 ¹	-0.03	26.56	23.40	3.15 ¹	0.12
>8,175, <=9,038	180	100	22.69	18.58	0.42 ¹	0.02	21.02	24.15	-3.13 ¹	-0.15
>9,038	190	120	21.24	21.54	-0.03	#	21.36	22.86	-1.50	-0.07
Unknown	30	20	6.58	6.38	0.02	#	6.50	4.58	1.92	0.30
Tuition ³										
Low	270	170	34.88	35.02	-0.01	#	34.94	34.66	0.27	0.01
Medium	290	210	31.52	36.45	-0.50 ¹	-0.02	33.53	33.17	0.35	0.01
High	240	140	33.60	28.53	0.52 ¹	0.02	31.54	32.16	-0.62	-0.02
Unknown	†	†	†	†	†	†	†	†	†	†
Percent PT Enrollment										
<= 25	†	†	†	†	†	†	†	†	†	†
>25, <=50	230	160	28.09	29.38	-0.13	#	28.62	28.57	0.04	#
>50, <=75	530	350	65.33	64.24	0.11	#	64.89	66.85	-1.96	-0.03
>75	†	†	†	†	†	†	†	†	†	†
Unknown	30	20	6.58	6.38	0.02	#	6.50	4.58	1.92	0.30

† Not applicable.

Rounds to zero.

¹ Bias is significant at the 0.05/(c-1) level, where c is the number of categories within the primary variable.² Undergraduate enrollment, Pell grant amount, and Stafford loan amount categories were defined by quartiles.³ Tuition categories were defined by thirds.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004 National Postsecondary Student Aid Study (NPSAS:04).

Table K-21. Student nonresponse bias before nonresponse adjustment and after weight adjustments for selected variables for students in Minnesota public 4-year institutions: 2004

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted respondents	Unweighted non-respondents	Respondent mean weighted	Non-respondent mean weighted	Estimated bias	Relative bias	Overall mean, before adjustments	Overall mean, after adjustments	Estimated bias	Relative bias
Student type										
Undergraduate student	490	130	80.00	87.23	-0.74 ¹	-0.01	81.46	79.31	2.15 ¹	0.03
Graduate student	110	10	17.68	12.77	0.50	0.03	16.69	17.55	-0.86	-0.05
First-professional	20	#	2.32	#	# ¹	#	1.85	3.14	-1.29 ¹	-0.70
Unknown	†	†	†	†	†	†	†	†	†	†
CPS record available										
No	390	#	61.23	#	# ¹	#	48.86	58.37	-9.51 ¹	-0.19
Yes	230	#	38.77	#	# ¹	#	30.94	41.63	-10.69 ¹	-0.35
Unknown	#	140	#	100.00	-10.24	-1.00	20.20	†	†	†
Applied for federal aid										
No	460	70	76.65	47.89	2.94 ¹	0.04	70.84	75.20	-4.36 ¹	-0.06
Yes	160	20	23.35	10.50	1.32 ¹	0.06	20.76	24.80	-4.04 ¹	-0.19
Unknown	#	50	#	41.60	-4.26 ¹	-1.00	8.40	†	†	†
Pell Grant status										
Received	110	30	17.47	19.63	-0.22	-0.01	17.91	16.27	1.64 ¹	0.09
Did not receive	510	110	82.53	80.37	0.22	#	82.09	83.73	-1.64 ¹	-0.02
Unknown	†	†	†	†	†	†	†	†	†	†
Total Pell amount received ²										
<=\$1,400	540	110	87.54	85.92	0.17	#	87.21	88.40	-1.18	-0.01
>1,400, <=2,300	20	10	4.14	5.68	-0.16	-0.04	4.45	4.21	0.24	0.05
>2,300, <=3,800	30	10	4.05	5.26	-0.12	-0.03	4.29	3.62	0.67	0.16
>3,800	30	#	4.27	3.14	0.12	0.03	4.04	3.77	0.27	0.07
Unknown	†	†	†	†	†	†	†	†	†	†
Stafford Loan status										
Received	320	60	51.13	42.95	0.84	0.02	49.48	49.71	-0.23	#
Did not receive	300	80	48.87	57.05	-0.84	-0.02	50.52	50.29	0.23	#
Unknown	†	†	†	†	†	†	†	†	†	†
Total Stafford amount received ²										
<=\$2,625	440	100	65.58	69.16	-0.37	-0.01	66.31	65.43	0.87	0.01
>2,625, <=3,500	40	10	8.23	5.97	0.23	0.03	7.77	7.93	-0.16	-0.02
>3,500, <=5,500	70	20	12.93	12.94	#	#	12.93	12.12	0.82	0.06
>5,500	80	10	13.26	11.93	0.14	0.01	12.99	14.52	-1.53	-0.12
Unknown	†	†	†	†	†	†	†	†	†	†

See notes at end of table.

Table K-21. Student nonresponse bias before nonresponse adjustment and after weight adjustments for selected variables for students in Minnesota public 4-year institutions: 2004—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted respondents	Unweighted non-respondents	Respondent mean weighted	Non-respondent mean weighted	Estimated bias	Relative bias	Overall mean, before adjustments	Overall mean, after adjustments	Estimated bias	Relative bias
Institution undergraduate enrollment ²										
<=8,531	160	50	27.38	39.06	-1.20 ¹	-0.04	29.74	27.00	2.73 ¹	0.09
>8,531, <=17,475	190	80	30.72	53.78	-2.36 ¹	-0.07	35.38	30.87	4.50 ¹	0.13
>17,475, <=41,272	270	10	41.91	7.16	3.56 ¹	0.09	34.89	42.12	-7.24 ¹	-0.21
>41,272	†	†	†	†	†	†	†	†	†	†
Unknown	†	†	†	†	†	†	†	†	†	†
Tuition ³										
Low	190	110	35.13	79.24	-4.52 ¹	-0.11	44.04	35.57	8.48 ¹	0.19
Medium	340	30	53.27	18.75	3.54 ¹	0.07	46.30	53.44	-7.14 ¹	-0.15
High	90	#	11.59	2.00	0.98 ¹	0.09	9.66	11.00	-1.34 ¹	-0.14
Unknown	†	†	†	†	†	†	†	†	†	†
Percent PT enrollment										
<= 25	540	100	87.71	76.80	1.12 ¹	0.01	85.50	87.66	-2.16 ¹	-0.03
>25, <=50	30	10	3.04	4.60	-0.16 ¹	-0.05	3.35	2.95	0.41	0.12
>50, <=75	50	30	9.25	18.60	-0.96 ¹	-0.09	11.14	9.39	1.75 ¹	0.16
>75	†	†	†	†	†	†	†	†	†	†
Unknown	†	†	†	†	†	†	†	†	†	†

† Not applicable.

Rounds to zero.

¹ Bias is significant at the 0.05/(c-1) level, where c is the number of categories within the primary variable.² Undergraduate enrollment, Pell grant amount, and Stafford loan amount categories were defined by quartiles.³ Tuition categories were defined by thirds.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004 National Postsecondary Student Aid Study (NPSAS:04).

Table K-22. Student nonresponse bias before nonresponse adjustment and after weight adjustments for selected variables for students in New York public 2-year institutions: 2004

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted respondents	Unweighted non-respondents	Respondent mean weighted	Non-respondent mean weighted	Estimated bias	Relative bias	Overall mean, before adjustments	Overall mean, after adjustments	Estimated bias	Relative bias
Student type										
Undergraduate student	1,230	220	81.00	74.77	0.64	0.01	79.88	82.13	-2.25 ¹	-0.03
Graduate student	280	50	17.60	25.23	-0.78	-0.04	18.97	16.05	2.92 ¹	0.15
First-professional	40	#	1.40	#	# ¹	#	1.15	1.81	-0.67 ¹	-0.58
Unknown	†	†	†	†	†	†	†	†	†	†
CPS record available										
No	1,050	#	65.23	#	# ¹	#	53.55	61.21	-7.66 ¹	-0.14
Yes	510	#	34.77	#	# ¹	#	28.55	38.79	-10.24 ¹	-0.36
Unknown	#	270	#	100.00	-10.24	-1.00	17.90	†	†	†
Applied for federal aid										
No	1,160	10	71.35	1.36	7.17 ¹	0.11	58.82	68.92	-10.10 ¹	-0.17
Yes	390	190	28.65	74.18	-4.66 ¹	-0.14	36.80	31.08	5.72 ¹	0.16
Unknown	#	80	#	24.46	-2.50 ¹	-1.00	4.38	†	†	†
Pell Grant status										
Received	446	#	29.12	1.03	2.88 ¹	0.11	24.09	28.27	-4.17 ¹	-0.17
Did not receive	1,100	210	70.74	84.40	-1.40	-0.02	73.19	71.56	1.63	0.02
Unknown	2	60	0.14	14.57	-1.48	-0.92	2.72	0.17	2.54	0.94
Total Pell amount received ²										
<=\$1,500	1,220	210	78.07	84.83	-0.69	-0.01	79.28	78.76	0.52	0.01
>1,500, <=2,100	120	#	7.55	#	# ¹	#	6.20	7.26	-1.06 ¹	-0.17
>2,100, <=4,000	220	#	14.38	0.60	1.41 ¹	0.11	11.91	13.98	-2.06 ¹	-0.17
>4,000	†	†	†	†	†	†	†	†	†	†
Unknown	#	60	#	14.57	-1.49	-1.00	2.61	†	†	†
Stafford Loan status										
Received	630	#	36.20	0.33	3.67 ¹	0.11	29.78	35.47	-5.69 ¹	-0.19
Did not receive	920	210	63.61	84.48	-2.14	-0.03	67.34	64.26	3.08	0.05
Unknown	#	60	0.19	15.20	-1.54	-0.89	2.88	0.26	2.61	0.91
Total Stafford amount received ²										
<=\$2,000	1,130	210	73.21	84.70	-1.18	-0.02	75.26	73.67	1.60	0.02
>2,000, <=2,625	110	#	7.69	#	# ¹	#	6.32	7.01	-0.69 ¹	-0.11
>2,625, <=3,500	160	#	10.95	#	# ¹	#	8.99	10.20	-1.21 ¹	-0.13
>3,500	160	#	8.15	0.11	0.82 ¹	0.11	6.71	9.13	-2.42 ¹	-0.36
Unknown	#	60	#	15.20	-1.56	-1.00	2.72	†	†	†

See notes at end of table.

Table K-22. Institution nonresponse bias before nonresponse adjustment and after weight adjustments for selected variables for students in New York public 2-year institutions: 2004—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted respondents	Unweighted non-respondents	Respondent mean weighted	Non-respondent mean weighted	Estimated bias	Relative bias	Overall mean, before adjustments	Overall mean, after adjustments	Estimated bias	Relative bias
Institution undergraduate enrollment ²										
<=6,638	460	40	19.33	6.48	1.32 ¹	0.07	17.03	18.92	-1.89 ¹	-0.11
>6,638, <=15,635	350	70	23.71	28.45	-0.48	-0.02	24.56	24.48	0.08	#
>15,635, <=24,010	370	110	29.81	43.60	-1.41	-0.05	32.28	30.30	1.98 ¹	0.06
>24,010	380	50	27.14	21.48	0.58	0.02	26.13	26.30	-0.17	-0.01
Unknown	†	†	†	†	†	†	†	†	†	†
Tuition ³										
low	480	150	41.89	67.49	-2.62	-0.06	46.47	42.21	4.27 ¹	0.09
medium	1,020	100	56.83	29.85	2.76	0.05	52.00	56.66	-4.66 ¹	-0.09
high	†	†	†	†	†	†	†	†	†	†
Unknown	50	30	1.27	2.65	-0.14 ¹	-0.10	1.52	1.13	0.39 ¹	0.26
Percent PT enrollment										
<= 25	920	50	52.51	17.70	3.56 ¹	0.07	46.28	51.30	-5.02 ¹	-0.11
>25, <=50	520	150	43.05	67.49	-2.50	-0.05	47.42	43.62	3.81 ¹	0.08
>50, <=75	60	50	3.16	12.15	-0.92	-0.23	4.77	3.95	0.83	0.17
>75	†	†	†	†	†	†	†	†	†	†
Unknown	50	30	1.27	2.65	-0.14 ¹	-0.10	1.52	1.13	0.39 ¹	0.26

† Not applicable.

Rounds to zero.

¹ Bias is significant at the 0.05/(c-1) level, where c is the number of categories within the primary variable.² Undergraduate enrollment, Pell grant amount, and Stafford loan amount categories were defined by quartiles.³ Tuition categories were defined by thirds.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004 National Postsecondary Student Aid Study (NPSAS:04).

Item-Level Nonresponse Bias Analysis

Table K-23. Item nonresponse bias before imputation for DEPCILD for all institutions: 2004

Characteristic	Before nonresponse adjustment				Estimated bias	Relative bias
	Unweighted respondents	Unweighted non-respondents	Respondent mean weighted	Nonrespondent mean weighted		
Institution strata						
Public less-than-2-year	1,560	360	2.01	2.81	-0.11 ¹	-0.05
Public 2-year	21,800	4,520	28.01	34.99	-0.99 ¹	-0.03
Public 4-year, non-doctorate-granting	7,190	970	9.23	7.51	0.25	0.03
Public 4-year, doctorate-granting	18,140	2,460	23.31	19.02	0.61 ¹	0.03
Private not-for-profit, less-than-4 year	2,140	430	2.75	3.36	-0.09	-0.03
Private not-for-profit, 4-year, non-doctorate-granting	7,760	790	9.96	6.15	0.54 ¹	0.06
Private not-for-profit, 4-year, doctorate-granting	8,370	1,150	10.75	8.88	0.27 ¹	0.03
Private for-profit, less-than-2-year	5,630	1,520	7.24	11.73	-0.64 ¹	-0.08
Private for-profit, 2-year or more	5,250	720	6.75	5.56	0.17 ¹	0.03
Bureau of Economic Analysis Code (Office of Business Economics [OBE]) Region ²						
New England	4,530	700	5.82	5.41	0.06	0.01
Mid East	12,140	1,720	15.59	13.30	0.33	0.02
Great Lakes	11,660	2,110	14.98	16.30	-0.19	-0.01
Plains	6,310	690	8.11	5.32	0.40	0.05
Southeast	18,690	3,190	24.01	24.67	-0.09	#
Southwest	8,230	1,890	10.58	14.64	-0.58 ¹	-0.05
Rocky Mountains	3,120	540	4.00	4.15	-0.02	-0.01
Far West	11,580	1,910	14.88	14.75	0.02	#
Outlying areas	1,570	190	2.02	1.46	0.08 ¹	0.04
Student type						
Undergraduate student	68,570	11,280	88.11	87.32	0.11	#
Graduate student	8,100	1,520	10.41	11.73	-0.19	-0.02
First-professional	1,160	120	1.49	0.95	0.08 ¹	0.05
Gender						
Male	32,230	5,240	41.41	40.54	0.12 ¹	#
Female	45,600	7,670	58.59	59.38	-0.11 ¹	#
Unknown	#	10	#	0.09	-0.01	-0.90
Age group						
15-23	45,130	5,680	57.99	43.94	2.00 ¹	0.04
24-29	14,350	2,900	18.44	22.48	-0.57 ¹	-0.03
30 or above	18,340	4,330	23.57	33.49	-1.41 ¹	-0.06
Unknown	#	10	#	0.10	-0.01	-1.00
CPS record available						
No	53,700	3,200	69.00	24.73	6.30 ¹	0.10
Yes	24,130	9,730	31.00	75.27	-6.30 ¹	-0.17

See notes at end of table.

Table K-23. Item nonresponse bias before imputation for DEPCCHILD for all institutions: 2004—Continued

Characteristic	Before nonresponse adjustment				Estimated bias	Relative bias
	Unweighted respondents	Unweighted non-respondents	Respondent mean weighted	Nonrespondent mean weighted		
Applied for federal aid						
No	55,380	3,570	71.16	27.64	6.20 ¹	0.10
Yes	19,930	8,880	25.61	68.69	-6.14 ¹	-0.19
Unknown	2,510	470	3.23	3.67	-0.06	-0.02
Pell Grant status						
Received	26,290	2,960	33.78	22.89	1.55 ¹	0.05
Did not receive	51,350	9,960	65.98	77.09	-1.58 ¹	-0.02
Unknown	190	#	0.24	0.02	0.03	0.15
Total Pell amount received ²						
\$0-1,487	6,550	760	24.92	25.79	-0.12	#
1,488-2,500	6,500	850	24.72	28.77	-0.58	-0.02
2,501-4,000	6,770	590	25.76	19.84	0.84 ¹	0.03
4,001 or more	6,470	760	24.60	25.59	-0.14	-0.01
Stafford loan status						
Received	32,270	1,670	41.47	12.96	4.06 ¹	0.11
Did not receive	45,330	11,250	58.25	87.03	-4.10 ¹	-0.07
Unknown	220	#	0.29	0.02	0.04 ¹	0.16
Total Stafford amount received ²						
\$0-2,625	10,950	460	33.94	27.24	0.95 ¹	0.03
2,626-4,237	5,230	330	16.21	19.95	-0.53	-0.03
4,238-6,625	9,570	630	29.67	37.46	-1.11	-0.04
6,626 or more	6,520	260	20.19	15.35	0.69	0.04
Institution undergraduate enrollment ²						
0-2,103	19,030	3,480	24.45	26.90	-0.35 ¹	-0.01
2,104-7,998	19,670	2,870	25.28	22.24	0.43 ¹	0.02
7,999-18,375	19,360	3,260	24.87	25.21	-0.05	#
18,376 or more	19,150	3,190	24.60	24.66	-0.01	#
Unknown	630	130	0.80	0.99	-0.03	-0.03
Institution graduate/first-professional enrollment ³						
1-4,087	19,980	2,640	25.67	20.44	0.74 ¹	0.03
4,088 or more	19,160	2,590	24.61	20.02	0.65 ¹	0.03
0 graduate/first-professional students	38,700	7,690	49.72	59.54	-1.40 ¹	-0.03

Rounds to zero.

¹ Bias is significant at the 0.05/(c-1) level, where c is the number of categories within the primary variable.

² Undergraduate enrollment, Pell grant amount, and Stafford loan amount categories were defined by quartiles.

³ Graduate enrollment defined by the median.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004 National Postsecondary Student Aid Study (NPSAS:04).

Table K-24. Summary of item nonresponse bias analysis for all students and by institutional sector: 2004

Variable	Variable label	All students	Public less-than-2-year	Public 2-year	Public 4-year non-doctoral	Public 4-year doctoral	Private not-for-profit less-than-4-year	Private not-for-profit 4-year non-doctoral	Private not-for-profit 4-year doctoral	Private for-profit less-than-2-year	Private for-profit 2-year or more
ATTENDA	Reason for attending NPSAS: complete associate's degree										
Mean estimated bias		0.14	0.06	0.10	0.23	0.25	0.08	0.21	0.32	0.12	0.09
Median estimated bias		0.05	0.05	0.03	0.15	0.16	0.07	0.13	0.22	0.05	0.05
Percent significant bias		54.55	21.62	29.27	11.36	30.95	7.69	16.28	31.71	17.95	10.00
ATTENDB	Reason for attending NPSAS: complete certificate										
Mean estimated bias		0.14	0.06	0.10	0.23	0.25	0.08	0.21	0.32	0.12	0.09
Median estimated bias		0.05	0.05	0.03	0.15	0.16	0.07	0.13	0.22	0.05	0.05
Percent significant bias		54.55	21.62	29.27	11.36	30.95	7.69	16.28	31.71	17.95	10.00
ATTENDC	Reason for attending NPSAS: learn job skills										
Mean estimated bias		0.14	0.06	0.10	0.23	0.25	0.08	0.21	0.32	0.12	0.09
Median estimated bias		0.05	0.05	0.03	0.15	0.16	0.07	0.13	0.22	0.05	0.05
Percent significant bias		54.55	21.62	29.27	11.36	30.95	7.69	16.28	31.71	17.95	10.00
ATTENDD	Reason for attending NPSAS: personal interest or enrichment										
Mean estimated bias		0.14	0.06	0.10	0.23	0.25	0.08	0.21	0.32	0.12	0.09
Median estimated bias		0.05	0.05	0.03	0.15	0.16	0.07	0.13	0.22	0.05	0.05
Percent significant bias		54.55	21.62	29.27	11.36	30.95	7.69	16.28	31.71	17.95	10.00
ATTENDE	Reason for attending NPSAS: transfer to 2-year school										
Mean estimated bias		0.14	0.06	0.10	0.23	0.25	0.08	0.21	0.32	0.12	0.09
Median estimated bias		0.05	0.05	0.03	0.15	0.16	0.07	0.13	0.22	0.05	0.05
Percent significant bias		54.55	21.62	29.27	11.36	30.95	7.69	16.28	31.71	17.95	10.00
ATTENDF	Reason for attending NPSAS: transfer to 4-year school										
Mean estimated bias		0.14	0.06	0.10	0.23	0.25	0.08	0.21	0.32	0.12	0.09
Median estimated bias		0.05	0.05	0.03	0.15	0.16	0.07	0.13	0.22	0.05	0.05
Percent significant bias		54.55	21.62	29.27	11.36	30.95	7.69	16.28	31.71	17.95	10.00
ATTENDG	Reason for attending NPSAS: transfer to another school										
Mean estimated bias		0.14	0.06	0.10	0.23	0.25	0.08	0.21	0.32	0.12	0.09
Median estimated bias		0.05	0.05	0.03	0.15	0.16	0.07	0.13	0.22	0.05	0.05
Percent significant bias		54.55	21.62	29.27	11.36	30.95	7.69	16.28	31.71	17.95	10.00

See notes at end of table.

Table K-24. Summary of item nonresponse bias analysis for all students and by institutional sector: 2004—Continued

Variable	Variable label	All students	Public less-than-2-year	Public 2-year	Public 4-year non-doctoral	Public 4-year doctoral	Private not-for-profit less-than-4-year	Private not-for-profit 4-year non-doctoral	Private not-for-profit 4-year doctoral	Private for-profit less-than-2-year	Private for-profit 2-year or more
BAYEAR	Year received bachelor's degree										
Mean estimated bias		0.05	†	†	0.06	0.03	†	0.12	0.06	†	0.08
Median estimated bias		0.01	†	†	0.04	0.01	†	0.04	0.02	†	0.04
Percent significant bias		6.98	†	†	#	14.29	†	2.86	8.11	†	#
CLASSA	Type of class: business										
Mean estimated bias		0.19	0.33	0.13	0.23	0.25	0.34	0.21	0.32	0.69	0.16
Median estimated bias		0.11	0.20	0.06	0.14	0.17	0.25	0.15	0.23	0.56	0.11
Percent significant bias		41.82	11.76	26.83	13.64	33.33	2.70	16.28	29.27	20.51	37.50
CLASSB	Type of class: health										
Mean estimated bias		0.19	0.33	0.13	0.23	0.25	0.34	0.21	0.32	0.69	0.16
Median estimated bias		0.11	0.20	0.06	0.14	0.17	0.25	0.15	0.23	0.56	0.11
Percent significant bias		41.82	11.76	26.83	13.64	33.33	2.70	16.28	29.27	20.51	37.50
CLASSC	Type of class: education										
Mean estimated bias		0.19	0.33	0.13	0.23	0.25	0.34	0.21	0.32	0.69	0.16
Median estimated bias		0.11	0.20	0.06	0.14	0.17	0.25	0.15	0.23	0.56	0.11
Percent significant bias		41.82	11.76	26.83	13.64	33.33	2.70	16.28	29.27	20.51	37.50
CLASSD	Type of class: engineering and engineering technology										
Mean estimated bias		0.19	0.33	0.13	0.23	0.25	0.34	0.21	0.32	0.69	0.16
Median estimated bias		0.11	0.20	0.06	0.14	0.17	0.25	0.15	0.23	0.56	0.11
Percent significant bias		41.82	11.76	26.83	13.64	33.33	2.70	16.28	29.27	20.51	37.50
CLASSE	Type of class: computer and information sciences										
Mean estimated bias		0.19	0.33	0.13	0.23	0.25	0.34	0.21	0.32	0.69	0.16
Median estimated bias		0.11	0.20	0.06	0.14	0.17	0.25	0.15	0.23	0.56	0.11
Percent significant bias		41.82	11.76	26.83	13.64	33.33	2.70	16.28	29.27	20.51	37.50
CLASSF	Type of class: social sciences										
Mean estimated bias		0.19	0.33	0.13	0.23	0.25	0.34	0.21	0.32	0.69	0.16
Median estimated bias		0.11	0.20	0.06	0.14	0.17	0.25	0.15	0.23	0.56	0.11
Percent significant bias		41.82	11.76	26.83	13.64	33.33	2.70	16.28	29.27	20.51	37.50
CLASSG	Type of class: natural sciences and mathematics										
Mean estimated bias		0.19	0.33	0.13	0.23	0.25	0.34	0.21	0.32	0.69	0.16
Median estimated bias		0.11	0.20	0.06	0.14	0.17	0.25	0.15	0.23	0.56	0.11
Percent significant bias		41.82	11.76	26.83	13.64	33.33	2.70	16.28	29.27	20.51	37.50

See notes at end of table.

Table K-24. Summary of item nonresponse bias analysis for all students and by institutional sector: 2004—Continued

Variable	Variable label	All students	Public less-than-2-year	Public 2-year	Public 4-year non-doctoral	Public 4-year doctoral	Private not-for-profit less-than-4-year	Private not-for-profit 4-year non-doctoral	Private not-for-profit 4-year doctoral	Private for-profit less-than-2-year	Private for-profit 2-year or more
CLASSH	Type of class: arts and humanities										
Mean estimated bias		0.19	0.33	0.13	0.23	0.25	0.34	0.21	0.32	0.69	0.16
Median estimated bias		0.11	0.20	0.06	0.14	0.17	0.25	0.15	0.23	0.56	0.11
Percent significant bias		41.82	11.76	26.83	13.64	33.33	2.70	16.28	29.27	20.51	37.50
CLASSI	Type of class: communications										
Mean estimated bias		0.19	0.33	0.13	0.23	0.25	0.34	0.21	0.32	0.69	0.16
Median estimated bias		0.11	0.20	0.06	0.14	0.17	0.25	0.15	0.23	0.56	0.11
Percent significant bias		41.82	11.76	26.83	13.64	33.33	2.70	16.28	29.27	20.51	37.50
CLASSJ	Type of class: vocational program										
Mean estimated bias		0.19	0.33	0.13	0.23	0.25	0.34	0.21	0.32	0.69	0.16
Median estimated bias		0.11	0.20	0.06	0.14	0.17	0.25	0.15	0.23	0.56	0.11
Percent significant bias		41.82	11.76	26.83	13.64	33.33	2.70	16.28	29.27	20.51	37.50
CLASSK	Type of class: university transfer										
Mean estimated bias		0.19	0.33	0.13	0.23	0.25	0.34	0.21	0.32	0.69	0.16
Median estimated bias		0.11	0.20	0.06	0.14	0.17	0.25	0.15	0.23	0.56	0.11
Percent significant bias		41.82	11.76	26.83	13.64	33.33	2.70	16.28	29.27	20.51	37.50
CLASSL	Type of class: general education										
Mean estimated bias		0.19	0.33	0.13	0.23	0.25	0.34	0.21	0.32	0.69	0.16
Median estimated bias		0.11	0.20	0.06	0.14	0.17	0.25	0.15	0.23	0.56	0.11
Percent significant bias		41.82	11.76	26.83	13.64	33.33	2.70	16.28	29.27	20.51	37.50
CLASSX	Type of class: other										
Mean estimated bias		0.19	0.33	0.13	0.23	0.25	0.34	0.21	0.32	0.69	0.16
Median estimated bias		0.11	0.20	0.06	0.14	0.17	0.25	0.15	0.23	0.56	0.11
Percent significant bias		41.82	11.76	26.83	13.64	33.33	2.70	16.28	29.27	20.51	37.50
COMHOUR	Number of hours volunteered per month										
Mean estimated bias		0.25	0.18	0.20	0.22	0.15	0.45	0.13	0.14	0.23	0.37
Median estimated bias		0.14	0.14	0.10	0.11	0.07	0.20	0.08	0.06	0.13	0.19
Percent significant bias		60.00	8.33	36.59	27.27	40.91	17.95	13.95	13.33	20.51	41.86
COMONE	One time event										
Mean estimated bias		0.24	0.18	0.18	0.20	0.13	0.40	0.11	0.13	0.23	0.35
Median estimated bias		0.13	0.13	0.08	0.09	0.05	0.19	0.06	0.06	0.13	0.19
Percent significant bias		58.18	11.11	34.15	25.00	40.91	12.82	13.95	13.33	20.51	46.51

See notes at end of table.

Table K-24. Summary of item nonresponse bias analysis for all students and by institutional sector: 2004—Continued

Variable	Variable label	All students	Public less-than-2-year	Public 2-year	Public 4-year non-doctoral	Public 4-year doctoral	Private not-for-profit less-than-4-year	Private not-for-profit 4-year non-doctoral	Private not-for-profit 4-year doctoral	Private for-profit less-than-2-year	Private for-profit 2-year or more
COMREQ	Volunteer work required for graduation/class										
Mean estimated bias		0.24	0.18	0.19	0.20	0.13	0.39	0.12	0.14	0.23	0.30
Median estimated bias		0.13	0.13	0.09	0.09	0.05	0.17	0.07	0.06	0.09	0.17
Percent significant bias		54.72	25.00	31.71	25.58	30.95	15.38	30.95	18.60	12.82	40.48
COMSERV	Community service/volunteer in last year										
Mean estimated bias		0.12	0.09	0.12	0.12	0.09	0.18	0.06	0.08	0.10	0.12
Median estimated bias		0.06	0.06	0.04	0.05	0.02	0.10	0.03	0.03	0.05	0.05
Percent significant bias		50.91	32.43	24.39	18.18	28.26	15.38	13.95	13.33	17.95	30.23
COMSERVA	Volunteer: fundraising (political and non-political)										
Mean estimated bias		0.23	0.18	0.19	0.20	0.13	0.38	0.11	0.13	0.24	0.34
Median estimated bias		0.13	0.12	0.08	0.10	0.05	0.17	0.07	0.05	0.12	0.19
Percent significant bias		58.18	13.89	36.59	25.00	38.64	15.38	13.95	15.56	20.51	48.84
COMSERVB	Volunteer: homeless shelter/soup kitchen										
Mean estimated bias		0.23	0.18	0.19	0.20	0.13	0.38	0.11	0.13	0.24	0.34
Median estimated bias		0.13	0.12	0.08	0.10	0.05	0.17	0.07	0.05	0.12	0.19
Percent significant bias		58.18	13.89	36.59	25.00	38.64	15.38	13.95	15.56	20.51	48.84
COMSERVC	Volunteer: health services										
Mean estimated bias		0.23	0.18	0.19	0.20	0.13	0.38	0.11	0.13	0.24	0.34
Median estimated bias		0.13	0.12	0.08	0.10	0.05	0.17	0.07	0.05	0.12	0.19
Percent significant bias		58.18	13.89	36.59	25.00	38.64	15.38	13.95	15.56	20.51	48.84
COMSERVD	Volunteer: neighborhood improvement										
Mean estimated bias		0.23	0.18	0.19	0.20	0.13	0.38	0.11	0.13	0.24	0.34
Median estimated bias		0.13	0.12	0.08	0.10	0.05	0.17	0.07	0.05	0.12	0.19
Percent significant bias		58.18	13.89	36.59	25.00	38.64	15.38	13.95	15.56	20.51	48.84
COMSERVE	Volunteer: service to the church										
Mean estimated bias		0.23	0.18	0.19	0.20	0.13	0.38	0.11	0.13	0.24	0.34
Median estimated bias		0.13	0.12	0.08	0.10	0.05	0.17	0.07	0.05	0.12	0.19
Percent significant bias		58.18	13.89	36.59	25.00	38.64	15.38	13.95	15.56	20.51	48.84
COMSERVF	Volunteer: tutoring/education-related										
Mean estimated bias		0.23	0.18	0.19	0.20	0.13	0.38	0.11	0.13	0.24	0.34
Median estimated bias		0.13	0.12	0.08	0.10	0.05	0.17	0.07	0.05	0.12	0.19
Percent significant bias		58.18	13.89	36.59	25.00	38.64	15.38	13.95	15.56	20.51	48.84

See notes at end of table.

Table K-24. Summary of item nonresponse bias analysis for all students and by institutional sector: 2004—Continued

Variable	Variable label	All students	Public less-than-2-year	Public 2-year	Public 4-year non-doctoral	Public 4-year doctoral	Private not-for-profit less-than-4-year	Private not-for-profit 4-year non-doctoral	Private not-for-profit 4-year doctoral	Private for-profit less-than-2-year	Private for-profit 2-year or more
COMSERVG	Volunteer: other work with kids										
Mean estimated bias		0.23	0.18	0.19	0.20	0.13	0.38	0.11	0.13	0.24	0.34
Median estimated bias		0.13	0.12	0.08	0.10	0.05	0.17	0.07	0.05	0.12	0.19
Percent significant bias		58.18	13.89	36.59	25.00	38.64	15.38	13.95	15.56	20.51	48.84
COMSERVX	Volunteer: other										
Mean estimated bias		0.23	0.18	0.19	0.20	0.13	0.38	0.11	0.13	0.24	0.34
Median estimated bias		0.13	0.12	0.08	0.10	0.05	0.17	0.07	0.05	0.12	0.19
Percent significant bias		58.18	13.89	36.59	25.00	38.64	15.38	13.95	15.56	20.51	48.84
CONSIDRA	Consider campus safety										
Mean estimated bias		0.13	0.09	0.12	0.13	0.08	0.17	0.06	0.09	0.10	0.11
Median estimated bias		0.06	0.06	0.04	0.04	0.02	0.09	0.04	0.03	0.05	0.05
Percent significant bias		45.28	32.43	19.51	20.93	25.00	15.38	16.67	13.95	17.95	23.81
CONSIDRB	Consider graduation rate										
Mean estimated bias		0.13	0.09	0.12	0.13	0.08	0.17	0.06	0.09	0.10	0.11
Median estimated bias		0.06	0.06	0.04	0.04	0.02	0.09	0.04	0.03	0.05	0.05
Percent significant bias		45.28	32.43	19.51	20.93	25.00	15.38	16.67	13.95	17.95	23.81
CONSIDRC	Consider job rate										
Mean estimated bias		0.17	0.10	†	†	†	0.39	†	†	0.15	†
Median estimated bias		0.05	0.06	†	†	†	0.32	†	†	0.06	†
Percent significant bias		20.00	10.81	†	†	†	6.25	†	†	17.95	†
CRBALDUE	Balance due on all credit cards										
Mean estimated bias		0.25	0.39	0.24	0.32	0.12	0.31	0.24	0.27	0.30	0.34
Median estimated bias		0.15	0.31	0.14	0.20	0.10	0.22	0.17	0.14	0.17	0.13
Percent significant bias		41.18	3.03	30.77	36.59	40.54	14.29	25.00	22.50	16.22	12.50
DEGEARN	Earned prior degree/certificates										
Mean estimated bias		0.10	0.05	0.09	0.09	0.08	0.08	0.04	0.06	0.08	0.07
Median estimated bias		0.04	0.04	0.03	0.03	0.02	0.08	0.03	0.02	0.04	0.04
Percent significant bias		50.91	13.51	34.15	18.18	30.43	7.69	16.28	15.56	17.95	27.91
DEGEARNA	Already earned bachelor's degree										
Mean estimated bias		0.33	0.15	0.23	0.32	0.25	0.35	0.25	0.23	0.25	0.31
Median estimated bias		0.20	0.12	0.13	0.16	0.14	0.26	0.14	0.12	0.16	0.20
Percent significant bias		60.00	5.41	36.59	45.45	68.18	23.68	32.56	38.64	24.32	41.86
DEGEARNB	Already earned associate's degree										
Mean estimated bias		0.33	0.15	0.23	0.32	0.25	0.35	0.25	0.23	0.25	0.31
Median estimated bias		0.20	0.12	0.13	0.16	0.14	0.26	0.14	0.12	0.16	0.20
Percent significant bias		60.00	5.41	36.59	45.45	68.18	23.68	32.56	38.64	24.32	41.86

See notes at end of table.

Table K-24. Summary of item nonresponse bias analysis for all students and by institutional sector: 2004—Continued

Variable	Variable label	All students	Public less-than-2-year	Public 2-year	Public 4-year non-doctoral	Public 4-year doctoral	Private not-for-profit less-than-4-year	Private not-for-profit 4-year non-doctoral	Private not-for-profit 4-year doctoral	Private for-profit less-than-2-year	Private for-profit 2-year or more
DEGEARNC	Already earned undergraduate certificate/diploma										
Mean estimated bias		0.33	0.15	0.23	0.32	0.25	0.35	0.25	0.23	0.25	0.31
Median estimated bias		0.20	0.12	0.13	0.16	0.14	0.26	0.14	0.12	0.16	0.20
Percent significant bias		60.00	5.41	36.59	45.45	68.18	23.68	32.56	38.64	24.32	41.86
DEGEARND	Already earned post-BA certificate										
Mean estimated bias		0.33	0.15	0.23	0.32	0.25	0.35	0.25	0.23	0.25	0.31
Median estimated bias		0.20	0.12	0.13	0.16	0.14	0.26	0.14	0.12	0.16	0.20
Percent significant bias		60.00	5.41	36.59	45.45	68.18	23.68	32.56	38.64	24.32	41.86
DEGEARNE	Already earned master's degree										
Mean estimated bias		0.33	0.15	0.23	0.32	0.25	0.35	0.25	0.23	0.25	0.31
Median estimated bias		0.20	0.12	0.13	0.16	0.14	0.26	0.14	0.12	0.16	0.20
Percent significant bias		60.00	5.41	36.59	45.45	68.18	23.68	32.56	38.64	24.32	41.86
DEGEARNF	Already earned post-MA certificate										
Mean estimated bias		0.33	0.15	0.23	0.32	0.25	0.35	0.25	0.23	0.25	0.31
Median estimated bias		0.20	0.12	0.13	0.16	0.14	0.26	0.14	0.12	0.16	0.20
Percent significant bias		60.00	5.41	36.59	45.45	68.18	23.68	32.56	38.64	24.32	41.86
DEGEARNG	Already earned first professional degree										
Mean estimated bias		0.33	0.15	0.23	0.32	0.25	0.35	0.25	0.23	0.25	0.31
Median estimated bias		0.20	0.12	0.13	0.16	0.14	0.26	0.14	0.12	0.16	0.20
Percent significant bias		60.00	5.41	36.59	45.45	68.18	23.68	32.56	38.64	24.32	41.86
DEGEARNH	Already earned doctoral degree										
Mean estimated bias		0.33	0.15	0.23	0.32	0.25	0.35	0.25	0.23	0.25	0.31
Median estimated bias		0.20	0.12	0.13	0.16	0.14	0.26	0.14	0.12	0.16	0.20
Percent significant bias		60.00	5.41	36.59	45.45	68.18	23.68	32.56	38.64	24.32	41.86
DELIVE	Distance education: live										
Mean estimated bias		0.37	0.44	0.23	0.40	0.23	0.38	0.31	0.44	0.41	0.64
Median estimated bias		0.21	0.27	0.12	0.17	0.12	0.21	0.18	0.26	0.12	0.33
Percent significant bias		47.27	19.44	19.51	15.91	29.55	15.79	23.26	27.27	16.22	48.84
DEPCARE	Have dependent children in daycare										
Mean estimated bias		0.15	0.12	0.12	0.10	0.09	0.19	0.05	0.11	0.14	0.10
Median estimated bias		0.07	0.05	0.05	0.05	0.03	0.10	0.03	0.05	0.07	0.06
Percent significant bias		29.09	2.78	7.32	11.90	4.35	2.63	#	13.64	16.22	13.95

See notes at end of table.

Table K-24. Summary of item nonresponse bias analysis for all students and by institutional sector: 2004—Continued

Variable	Variable label	All students	Public less-than-2-year	Public 2-year	Public 4-year non-doctoral	Public 4-year doctoral	Private not-for-profit less-than-4-year	Private not-for-profit 4-year non-doctoral	Private not-for-profit 4-year doctoral	Private for-profit less-than-2-year	Private for-profit 2-year or more
DEPCHILD	Dependents - has dependent children										
Mean estimated bias		0.08	0.08	0.10	†	†	0.07	†	†	0.06	†
Median estimated bias		0.03	0.05	0.03	†	†	0.04	†	†	0.04	†
Percent significant bias		56.36	32.43	36.59	†	†	15.38	†	†	33.33	†
DEPCLAIM	Claimed as a dependent										
Mean estimated bias		0.12	0.15	0.13	0.12	0.04	0.11	0.06	0.06	0.13	0.10
Median estimated bias		0.04	0.07	0.03	0.04	0.02	0.07	0.03	0.03	0.07	0.04
Percent significant bias		43.14	#	25.64	24.39	27.03	8.11	17.50	12.50	10.81	5.00
DEPCOST	Monthly daycare costs										
Mean estimated bias		0.24	0.21	0.18	0.19	0.15	0.39	0.13	0.19	0.30	0.17
Median estimated bias		0.12	0.14	0.08	0.09	0.07	0.19	0.06	0.11	0.13	0.08
Percent significant bias		32.73	5.56	19.51	11.90	8.70	5.26	#	15.91	5.41	11.63
DEPINC	Dependent parent income derived										
Mean estimated bias		0.09	0.06	0.12	†	†	†	†	†	0.09	†
Median estimated bias		0.03	0.01	0.03	†	†	†	†	†	0.03	†
Percent significant bias		50.00	27.27	27.50	†	†	†	†	†	37.84	†
DEPNUMCH	Dependents - number of dependent children										
Mean estimated bias		0.09	0.06	0.11	0.10	†	0.08	0.05	†	0.06	0.04
Median estimated bias		0.05	0.04	0.05	0.05	†	0.06	0.02	†	0.04	0.02
Percent significant bias		56.36	32.43	39.02	34.09	†	28.21	37.21	†	33.33	18.60
DEPOLD	Dependent children - age of oldest										
Mean estimated bias		0.09	0.08	0.11	0.10	0.08	0.09	0.05	†	0.06	0.04
Median estimated bias		0.05	0.04	0.06	0.05	0.03	0.06	0.02	†	0.03	0.03
Percent significant bias		49.09	32.43	39.02	36.36	41.30	28.21	37.21	†	33.33	18.60
DEPOTHER	Dependents - has dependent other than children										
Mean estimated bias		0.08	0.08	0.10	†	†	0.07	†	†	0.06	†
Median estimated bias		0.03	0.05	0.03	†	†	0.04	†	†	0.04	†
Percent significant bias		54.55	32.43	36.59	†	†	15.38	†	†	33.33	†
DEPYNG	Dependent children - age of youngest										
Mean estimated bias		0.09	0.08	0.11	0.10	0.08	0.09	0.05	†	0.06	0.04
Median estimated bias		0.05	0.04	0.06	0.05	0.03	0.06	0.02	†	0.03	0.03
Percent significant bias		49.09	32.43	39.02	36.36	41.30	28.21	37.21	†	33.33	18.60

See notes at end of table.

Table K-24. Summary of item nonresponse bias analysis for all students and by institutional sector: 2004—Continued

Variable	Variable label	All students	Public less-than-2-year	Public 2-year	Public 4-year non-doctoral	Public 4-year doctoral	Private not-for-profit less-than-4-year	Private not-for-profit 4-year non-doctoral	Private not-for-profit 4-year doctoral	Private for-profit less-than-2-year	Private for-profit 2-year or more
DERECR	Distance education: pre-recorded										
Mean estimated bias		0.37	0.44	0.23	0.40	0.23	0.38	0.31	0.44	0.41	0.64
Median estimated bias		0.21	0.27	0.12	0.17	0.12	0.21	0.18	0.26	0.12	0.33
Percent significant bias		47.27	19.44	19.51	15.91	29.55	15.79	23.26	27.27	16.22	48.84
DEWWW	Distance education: Internet										
Mean estimated bias		0.37	0.44	0.23	0.40	0.23	0.38	0.31	0.44	0.41	0.64
Median estimated bias		0.21	0.27	0.12	0.17	0.12	0.21	0.18	0.26	0.12	0.33
Percent significant bias		47.27	19.44	19.51	15.91	29.55	15.79	23.26	27.27	16.22	48.84
DISABLE	Disability Flag										
Mean estimated bias		0.11	0.06	0.10	0.11	0.08	0.08	0.04	0.06	0.08	0.10
Median estimated bias		0.05	0.06	0.04	0.04	0.02	0.06	0.03	0.02	0.04	0.05
Percent significant bias		47.27	27.03	26.83	20.45	28.26	5.13	4.65	15.56	17.95	27.91
DISMOBIL	Condition that limits physical activities										
Mean estimated bias		0.11	0.06	0.10	0.11	0.08	0.08	0.04	0.06	0.08	0.10
Median estimated bias		0.05	0.06	0.04	0.04	0.02	0.06	0.03	0.02	0.04	0.05
Percent significant bias		47.27	27.03	26.83	20.45	28.26	5.13	4.65	15.56	17.95	34.88
DISOTHER	Other condition lasting six months or more										
Mean estimated bias		0.11	0.06	0.10	0.11	0.08	0.08	0.04	0.06	0.08	0.10
Median estimated bias		0.05	0.06	0.04	0.04	0.02	0.06	0.03	0.02	0.04	0.05
Percent significant bias		47.27	21.62	26.83	20.45	28.26	5.13	4.65	15.56	17.95	23.26
DISOTHRA	Difficulty: dressing, bathing, etc										
Mean estimated bias		0.27	0.28	0.31	0.43	0.17	0.26	0.20	0.30	0.26	0.37
Median estimated bias		0.10	0.17	0.09	0.18	0.08	0.18	0.09	0.10	0.12	0.13
Percent significant bias		21.82	22.22	14.63	22.73	20.45	8.11	2.33	#	10.81	11.63
DISOTHRB	Difficulty: getting to school to attend class										
Mean estimated bias		0.27	0.27	0.31	0.43	0.17	0.26	0.20	0.29	0.26	0.37
Median estimated bias		0.09	0.17	0.09	0.18	0.08	0.18	0.09	0.10	0.13	0.13
Percent significant bias		21.82	22.22	14.63	22.73	20.45	8.11	2.33	4.44	10.81	6.98
DISOTHRC	Difficulty: learning, remembering										
Mean estimated bias		0.27	0.28	0.31	0.43	0.17	0.26	0.20	0.30	0.26	0.37
Median estimated bias		0.10	0.17	0.09	0.18	0.08	0.18	0.09	0.10	0.12	0.13
Percent significant bias		21.82	22.22	14.63	22.73	20.45	8.11	2.33	#	10.81	11.63

See notes at end of table.

Table K-24. Summary of item nonresponse bias analysis for all students and by institutional sector: 2004—Continued

Variable	Variable label	All students	Public less-than-2-year	Public 2-year	Public 4-year non-doctoral	Public 4-year doctoral	Private not-for-profit less-than-4-year	Private not-for-profit 4-year non-doctoral	Private not-for-profit 4-year doctoral	Private for-profit less-than-2-year	Private for-profit 2-year or more
DISOTHRD	Difficulty: working at a job										
Mean estimated bias		0.27	0.28	0.31	0.43	0.17	0.26	0.20	0.30	0.26	0.37
Median estimated bias		0.10	0.17	0.09	0.18	0.08	0.18	0.09	0.10	0.12	0.13
Percent significant bias		21.82	22.22	14.63	22.73	20.45	8.11	2.33	#	10.81	11.63
DISSENSR	Have a long-lasting sensory condition										
Mean estimated bias		0.11	0.06	0.10	0.11	0.08	0.08	0.04	0.06	0.08	0.10
Median estimated bias		0.05	0.06	0.04	0.04	0.02	0.06	0.03	0.01	0.04	0.05
Percent significant bias		47.27	21.62	26.83	20.45	28.26	5.13	4.65	15.56	17.95	32.56
DISTALL	Distance education: entire program										
Mean estimated bias		0.36	0.44	0.23	0.39	0.22	0.34	0.29	0.44	0.44	0.62
Median estimated bias		0.19	0.27	0.11	0.17	0.11	0.18	0.16	0.29	0.19	0.33
Percent significant bias		43.64	16.67	21.95	18.18	38.64	15.79	16.28	27.27	16.22	48.84
DISTEDUC	Distance education: took courses										
Mean estimated bias		0.12	0.09	0.11	0.13	0.09	0.12	0.06	0.08	0.11	0.12
Median estimated bias		0.06	0.06	0.04	0.05	0.02	0.08	0.03	0.02	0.05	0.05
Percent significant bias		49.09	32.43	26.83	18.18	26.09	10.26	13.95	13.33	17.95	32.56
DISTLOC	Distance education: location of course(s)										
Mean estimated bias		0.36	0.44	0.23	0.39	0.22	0.34	0.30	0.44	0.43	0.63
Median estimated bias		0.19	0.27	0.11	0.16	0.11	0.18	0.16	0.29	0.17	0.33
Percent significant bias		45.45	13.89	24.39	15.91	38.64	15.79	16.28	27.27	16.22	48.84
DISTNUM	Distance education: number of courses										
Mean estimated bias		0.37	0.45	0.23	0.40	0.23	0.34	0.33	0.46	0.44	0.67
Median estimated bias		0.21	0.26	0.12	0.16	0.12	0.17	0.19	0.32	0.16	0.33
Percent significant bias		43.64	16.67	17.07	20.45	40.91	15.79	16.28	31.82	16.22	48.84
DISTSATF	Distance education: satisfaction										
Mean estimated bias		0.36	0.44	0.23	0.39	0.22	0.34	0.30	0.44	0.43	0.63
Median estimated bias		0.19	0.27	0.12	0.16	0.11	0.19	0.15	0.29	0.17	0.34
Percent significant bias		45.45	13.89	26.83	15.91	31.82	15.79	16.28	27.27	16.22	48.84
DISTYPES	Main limiting condition										
Mean estimated bias		0.22	0.24	0.26	0.32	0.17	0.22	0.15	0.26	0.21	0.24
Median estimated bias		0.08	0.18	0.10	0.14	0.08	0.17	0.07	0.11	0.11	0.14
Percent significant bias		27.27	27.78	17.07	18.18	31.82	5.41	4.65	6.67	13.51	16.28

See notes at end of table.

Table K-24. Summary of item nonresponse bias analysis for all students and by institutional sector: 2004—Continued

Variable	Variable label	All students	Public less-than-2-year	Public 2-year	Public 4-year non-doctoral	Public 4-year doctoral	Private not-for-profit less-than-4-year	Private not-for-profit 4-year non-doctoral	Private not-for-profit 4-year doctoral	Private for-profit less-than-2-year	Private for-profit 2-year or more
DSTUINC	Dependent student earnings derived										
Mean estimated bias		0.25	0.16	0.32	0.28	0.24	0.21	0.21	0.26	0.20	†
Median estimated bias		0.08	0.05	0.12	0.11	0.06	0.08	0.07	0.11	0.06	†
Percent significant bias		54.90	27.27	33.33	24.39	48.72	40.54	35.00	45.00	35.14	†
EMPLYAM2	Employer (parents) tuition aid										
Mean estimated bias		0.10	0.05	0.09	0.09	0.08	0.08	0.04	0.06	0.08	0.08
Median estimated bias		0.05	0.04	0.03	0.03	0.02	0.07	0.03	0.02	0.04	0.04
Percent significant bias		54.55	10.81	31.71	22.73	30.43	7.69	16.28	15.56	17.95	20.93
EVER2PUB	Ever attended community college										
Mean estimated bias		0.14	0.09	†	0.12	0.10	0.12	0.06	0.08	0.11	0.12
Median estimated bias		0.06	0.04	†	0.04	0.03	0.08	0.04	0.03	0.06	0.05
Percent significant bias		51.85	32.43	†	13.64	36.36	17.95	9.30	13.33	17.95	30.23
EVER4YR	Ever attended 4-year school										
Mean estimated bias		0.12	0.06	0.10	†	†	0.12	†	†	0.08	0.06
Median estimated bias		0.04	0.06	0.03	†	†	0.08	†	†	0.04	0.04
Percent significant bias		41.67	27.03	24.39	†	†	10.26	†	†	18.92	8.11
FORESCH	Ever attended elementary or secondary school outside of the U.S.										
Mean estimated bias		0.11	0.07	0.10	0.11	0.07	0.08	0.05	0.06	0.07	0.09
Median estimated bias		0.05	0.06	0.04	0.04	0.02	0.05	0.03	0.02	0.04	0.05
Percent significant bias		45.28	30.56	25.00	19.05	36.36	#	19.05	11.63	18.42	33.33
GAINSUR	Health insurance with assistantship										
Mean estimated bias		0.07	†	†	0.17	0.05	†	0.16	0.08	†	#
Median estimated bias		0.04	†	†	0.08	0.03	†	#	0.04	†	#
Percent significant bias		23.81	†	†	#	28.57	†	43.33	5.88	†	#
GPA	Grad point average										
Mean estimated bias		†	0.11	†	†	†	0.11	†	†	0.05	†
Median estimated bias		†	0.09	†	†	†	0.06	†	†	0.02	†
Percent significant bias		†	37.84	†	†	†	20.51	†	†	23.08	†
GRADPYR	Year began graduate degree										
Mean estimated bias		0.07	†	†	0.11	0.04	†	0.12	0.08	†	0.10
Median estimated bias		0.02	†	†	0.05	0.01	†	0.06	0.02	†	0.01
Percent significant bias		6.98	†	†	8.57	11.43	†	11.43	5.41	†	#

See notes at end of table.

Table K-24. Summary of item nonresponse bias analysis for all students and by institutional sector: 2004—Continued

Variable	Variable label	All students	Public less-than-2-year	Public 2-year	Public 4-year non-doctoral	Public 4-year doctoral	Private not-for-profit less-than-4-year	Private not-for-profit 4-year non-doctoral	Private not-for-profit 4-year doctoral	Private for-profit less-than-2-year	Private for-profit 2-year or more
GRADTAA	TA duties: student email										
Mean estimated bias		0.05	†	†	0.10	0.06	†	0.15	0.06	†	#
Median estimated bias		0.02	†	†	0.06	0.03	†	#	0.03	†	#
Percent significant bias		9.52	†	†	3.13	22.86	†	24.14	8.82	†	#
GRADTAB	TA duties: grading										
Mean estimated bias		0.05	†	†	0.10	0.06	†	0.15	0.06	†	#
Median estimated bias		0.02	†	†	0.06	0.03	†	#	0.03	†	#
Percent significant bias		9.52	†	†	3.13	22.86	†	24.14	8.82	†	#
GRADTAC	TA duties: teaching										
Mean estimated bias		0.05	†	†	0.10	0.06	†	0.15	0.06	†	#
Median estimated bias		0.02	†	†	0.06	0.03	†	#	0.03	†	#
Percent significant bias		9.52	†	†	3.13	22.86	†	24.14	8.82	†	#
GRADTAD	TA duties: office hours										
Mean estimated bias		0.05	†	†	0.10	0.06	†	0.15	0.06	†	#
Median estimated bias		0.02	†	†	0.06	0.03	†	#	0.03	†	#
Percent significant bias		9.52	†	†	3.13	22.86	†	24.14	8.82	†	#
GRADTAE	TA duties: discussion										
Mean estimated bias		0.05	†	†	0.10	0.06	†	0.15	0.06	†	#
Median estimated bias		0.02	†	†	0.06	0.03	†	#	0.03	†	#
Percent significant bias		9.52	†	†	3.13	22.86	†	24.14	8.82	†	#
GRADTAF	TA duties: lab										
Mean estimated bias		0.05	†	†	0.10	0.06	†	0.15	0.06	†	#
Median estimated bias		0.02	†	†	0.06	0.03	†	#	0.03	†	#
Percent significant bias		9.52	†	†	3.13	22.86	†	24.14	8.82	†	#
GRASTUIT	Tuition paid by assistantship										
Mean estimated bias		0.08	†	†	0.22	0.07	†	0.18	0.10	†	†
Median estimated bias		0.07	†	†	0.07	0.06	†	0.02	0.06	†	†
Percent significant bias		4.88	†	†	#	22.86	†	41.38	8.82	†	†
GRENRST	Graduate enrollment status (all years)										
Mean estimated bias		0.07	†	†	0.10	0.04	†	0.07	0.07	†	0.08
Median estimated bias		0.02	†	†	0.04	0.02	†	0.03	0.02	†	0.04
Percent significant bias		6.98	†	†	#	11.43	†	11.43	8.11	†	#

See notes at end of table.

Table K-24. Summary of item nonresponse bias analysis for all students and by institutional sector: 2004—Continued

Variable	Variable label	All students	Public less-than-2-year	Public 2-year	Public 4-year non-doctoral	Public 4-year doctoral	Private not-for-profit less-than-4-year	Private not-for-profit 4-year non-doctoral	Private not-for-profit 4-year doctoral	Private for-profit less-than-2-year	Private for-profit 2-year or more
HIGHLVEX	Highest level of education ever expected										
Mean estimated bias		0.13	0.09	0.11	0.12	0.08	0.12	0.06	0.08	0.10	0.12
Median estimated bias		0.06	0.05	0.03	0.04	0.02	0.09	0.03	0.03	0.05	0.06
Percent significant bias		50.91	32.43	29.27	18.18	30.43	10.26	6.98	13.33	17.95	27.91
HOMEDIST	Distance from NPSAS school to home										
Mean estimated bias		0.13	0.10	0.11	0.13	0.09	0.18	0.07	0.09	0.12	0.11
Median estimated bias		0.06	0.06	0.03	0.05	0.02	0.09	0.03	0.03	0.07	0.06
Percent significant bias		50.91	32.43	31.71	13.64	32.61	12.82	9.30	8.89	12.82	13.95
HOMEPAR	Parents own home										
Mean estimated bias		0.12	0.15	0.13	0.12	0.04	0.13	0.06	0.06	0.14	0.10
Median estimated bias		0.04	0.07	0.03	0.05	0.02	0.09	0.03	0.02	0.07	0.04
Percent significant bias		43.14	6.06	25.64	26.83	27.03	5.41	17.50	12.50	10.81	5.00
HOMESTUD	Own home										
Mean estimated bias		0.19	0.14	0.16	0.14	0.17	0.26	0.12	0.13	0.20	0.23
Median estimated bias		0.11	0.09	0.06	0.06	0.06	0.14	0.07	0.05	0.13	0.11
Percent significant bias		47.27	13.51	26.83	26.19	30.43	30.77	16.28	20.00	32.43	37.21
HSDEG	High school degree type										
Mean estimated bias		†	†	†	†	†	0.07	†	†	†	†
Median estimated bias		†	†	†	†	†	0.03	†	†	†	†
Percent significant bias		†	†	†	†	†	23.08	†	†	†	†
HSGRADYY	High school graduation year										
Mean estimated bias		†	0.06	†	†	†	0.08	†	0.05	0.05	0.05
Median estimated bias		†	0.04	†	†	†	0.05	†	0.02	0.04	0.02
Percent significant bias		†	29.73	†	†	†	15.38	†	16.28	10.26	7.14
HSTYPE	Type of high school attended										
Mean estimated bias		0.12	0.10	0.12	0.13	0.09	0.13	0.06	0.09	0.11	0.10
Median estimated bias		0.05	0.06	0.04	0.05	0.02	0.08	0.03	0.03	0.05	0.05
Percent significant bias		47.17	30.56	29.27	23.26	33.33	10.26	16.67	13.95	16.22	16.67
INDEPINC	Independent student & spouse income derived										
Mean estimated bias		0.09	0.08	0.12	0.12	0.09	†	0.06	0.08	†	†
Median estimated bias		0.03	0.04	0.06	0.05	0.03	†	0.03	0.02	†	†
Percent significant bias		47.27	29.73	36.59	25.00	32.61	†	27.91	42.22	†	†

See notes at end of table.

Table K-24. Summary of item nonresponse bias analysis for all students and by institutional sector: 2004—Continued

Variable	Variable label	All students	Public less-than-2-year	Public 2-year	Public 4-year non-doctoral	Public 4-year doctoral	Private not-for-profit less-than-4-year	Private not-for-profit 4-year non-doctoral	Private not-for-profit 4-year doctoral	Private for-profit less-than-2-year	Private for-profit 2-year or more
JOBFFOR	Afford school without working										
Mean estimated bias		0.19	0.21	0.17	0.18	0.12	0.19	0.16	0.13	0.17	0.19
Median estimated bias		0.09	0.15	0.07	0.07	0.06	0.14	0.08	0.07	0.08	0.06
Percent significant bias		60.00	36.11	26.83	38.64	45.65	12.82	30.23	33.33	12.82	23.26
JOBCLASS	Job related to coursework										
Mean estimated bias		0.16	0.09	0.11	0.21	0.18	0.37	0.16	0.17	0.21	0.24
Median estimated bias		0.10	0.05	0.04	0.15	0.11	0.21	0.10	0.06	0.07	0.11
Percent significant bias		45.45	8.33	24.39	13.64	30.23	18.42	2.33	21.43	5.13	27.91
JOBEARN	Total amount earned during the school year										
Mean estimated bias		0.15	0.11	0.13	0.14	0.09	0.19	0.07	0.10	0.09	0.15
Median estimated bias		0.06	0.07	0.04	0.05	0.03	0.09	0.04	0.05	0.05	0.08
Percent significant bias		45.45	13.51	29.27	25.00	26.09	7.69	9.30	20.00	10.26	20.93
JOBEFFA	Job helped with career preparation										
Mean estimated bias		0.19	0.21	0.17	0.18	0.12	0.19	0.14	0.13	0.17	0.19
Median estimated bias		0.10	0.15	0.07	0.07	0.06	0.14	0.07	0.07	0.07	0.07
Percent significant bias		60.00	36.11	26.83	38.64	47.83	12.82	30.23	33.33	12.82	23.26
JOBEFFB	Job helped with coursework										
Mean estimated bias		0.19	0.21	0.17	0.18	0.12	0.19	0.14	0.13	0.17	0.19
Median estimated bias		0.10	0.15	0.07	0.07	0.06	0.14	0.07	0.07	0.07	0.07
Percent significant bias		60.00	36.11	26.83	38.64	47.83	12.82	30.23	33.33	12.82	23.26
JOBEFFC	Job restricted class choice										
Mean estimated bias		0.19	0.21	0.17	0.18	0.12	0.19	0.14	0.13	0.17	0.19
Median estimated bias		0.10	0.15	0.07	0.07	0.06	0.14	0.07	0.07	0.07	0.07
Percent significant bias		60.00	36.11	26.83	38.64	47.83	12.82	30.23	33.33	12.82	23.26
JOBEFFD	Job limited class schedule										
Mean estimated bias		0.19	0.21	0.17	0.18	0.12	0.19	0.14	0.13	0.17	0.19
Median estimated bias		0.10	0.15	0.07	0.07	0.06	0.14	0.07	0.07	0.07	0.07
Percent significant bias		60.00	36.11	26.83	38.64	47.83	12.82	30.23	33.33	12.82	23.26
JOBEFFE	Job limited facility access										
Mean estimated bias		0.19	0.21	0.17	0.18	0.12	0.19	0.14	0.13	0.17	0.19
Median estimated bias		0.10	0.15	0.07	0.07	0.06	0.14	0.07	0.07	0.07	0.07
Percent significant bias		60.00	36.11	26.83	38.64	47.83	12.82	30.23	33.33	12.82	23.26

See notes at end of table.

Table K-24. Summary of item nonresponse bias analysis for all students and by institutional sector: 2004—Continued

Variable	Variable label	All students	Public less-than-2-year	Public 2-year	Public 4-year non-doctoral	Public 4-year doctoral	Private not-for-profit less-than-4-year	Private not-for-profit 4-year non-doctoral	Private not-for-profit 4-year doctoral	Private for-profit less-than-2-year	Private for-profit 2-year or more
JOBFFF	Job limited number of classes										
Mean estimated bias		0.19	0.21	0.17	0.18	0.12	0.19	0.14	0.13	0.17	0.19
Median estimated bias		0.10	0.15	0.07	0.07	0.06	0.14	0.07	0.07	0.07	0.07
Percent significant bias		60.00	36.11	26.83	38.64	47.83	12.82	30.23	33.33	12.82	23.26
JOBFFGR	Effect of job on grades										
Mean estimated bias		0.12	0.17	0.13	0.09	0.04	0.17	0.09	0.11	0.14	0.10
Median estimated bias		0.05	0.10	0.05	0.06	0.02	0.12	0.05	0.05	0.08	0.05
Percent significant bias		52.73	19.44	19.51	28.57	27.27	15.38	30.23	13.33	17.95	6.98
JOBEMPL	Type of employer										
Mean estimated bias		0.15	0.12	0.12	0.14	0.10	0.18	0.08	0.11	0.11	0.14
Median estimated bias		0.06	0.07	0.03	0.05	0.04	0.11	0.04	0.05	0.05	0.08
Percent significant bias		49.09	13.51	26.83	27.27	36.96	12.82	11.63	17.78	10.26	32.56
JOBEXPT	Parents expect you to have a job										
Mean estimated bias		0.19	0.20	0.17	0.16	0.10	0.19	0.12	0.14	0.16	0.17
Median estimated bias		0.09	0.10	0.06	0.07	0.04	0.13	0.06	0.06	0.08	0.06
Percent significant bias		51.92	25.71	27.50	30.95	26.19	7.89	29.27	11.90	15.79	17.07
JOBHOUR	Hours worked weekly during the school year										
Mean estimated bias		0.14	0.10	0.13	0.13	0.09	0.19	0.06	0.10	0.10	0.15
Median estimated bias		0.06	0.06	0.04	0.05	0.03	0.09	0.04	0.05	0.05	0.08
Percent significant bias		49.09	10.81	26.83	29.55	26.09	10.26	16.28	20.00	10.26	23.26
JOBMAIN	Main reason for working										
Mean estimated bias		0.19	0.21	0.17	0.18	0.12	0.19	0.14	0.13	0.17	0.19
Median estimated bias		0.10	0.15	0.07	0.07	0.06	0.15	0.07	0.07	0.08	0.05
Percent significant bias		61.82	36.11	26.83	38.64	47.83	12.82	30.23	33.33	12.82	23.26
JOBMAJOR	Job related to major										
Mean estimated bias		0.20	0.22	0.17	0.16	0.11	0.17	0.09	0.11	0.16	0.18
Median estimated bias		0.10	0.14	0.06	0.06	0.04	0.11	0.05	0.06	0.07	0.12
Percent significant bias		56.36	33.33	12.20	25.00	43.48	15.38	9.30	17.78	13.51	30.23
JOBNUM	Number of jobs during NPSAS year										
Mean estimated bias		0.10	0.05	0.10	0.09	0.08	0.08	0.04	0.06	0.08	0.07
Median estimated bias		0.05	0.05	0.03	0.04	0.02	0.07	0.03	0.01	0.04	0.04
Percent significant bias		54.55	8.11	29.27	18.18	28.26	2.56	16.28	15.56	17.95	20.93

See notes at end of table.

Table K-24. Summary of item nonresponse bias analysis for all students and by institutional sector: 2004—Continued

Variable	Variable label	All students	Public less-than-2-year	Public 2-year	Public 4-year non-doctoral	Public 4-year doctoral	Private not-for-profit less-than-4-year	Private not-for-profit 4-year non-doctoral	Private not-for-profit 4-year doctoral	Private for-profit less-than-2-year	Private for-profit 2-year or more
JOBONOFF	Job on or off campus										
Mean estimated bias		0.15	0.11	0.12	0.14	0.10	0.14	0.08	0.11	0.11	0.14
Median estimated bias		0.06	0.06	0.03	0.05	0.03	0.11	0.04	0.04	0.05	0.08
Percent significant bias		50.91	8.11	26.83	34.09	34.78	15.38	11.63	17.78	10.26	30.23
JOBPRIOR	Had job prior to enrollment at NPSAS										
Mean estimated bias		0.15	0.11	0.12	0.14	0.10	0.15	0.08	0.11	0.11	0.14
Median estimated bias		0.06	0.06	0.04	0.05	0.03	0.11	0.04	0.04	0.04	0.08
Percent significant bias		50.91	8.11	26.83	31.82	30.43	15.38	11.63	17.78	10.26	30.23
JOBROLE	Working student/employee taking classes										
Mean estimated bias		0.15	0.11	0.12	0.13	0.09	0.12	0.06	0.09	0.10	0.10
Median estimated bias		0.06	0.06	0.03	0.04	0.02	0.08	0.03	0.05	0.05	0.07
Percent significant bias		49.09	10.81	26.83	29.55	26.09	7.69	18.60	20.00	7.69	25.58
JOBSAVE	Amount saved from summer earnings										
Mean estimated bias		0.16	0.15	0.14	0.16	0.09	0.21	0.09	0.11	0.14	0.13
Median estimated bias		0.08	0.08	0.04	0.06	0.02	0.10	0.05	0.04	0.05	0.06
Percent significant bias		48.08	11.43	27.50	26.19	25.58	10.53	24.39	14.29	7.89	14.63
JOBSCHA	Combine school and work: class outside work										
Mean estimated bias		0.30	0.18	0.24	0.42	0.33	0.21	0.25	0.32	0.15	0.34
Median estimated bias		0.13	0.12	0.14	0.22	0.26	0.18	0.16	0.28	0.06	0.20
Percent significant bias		60.00	13.51	34.15	50.00	50.00	15.38	30.23	47.73	13.51	39.53
JOBSCHB	Combine school and work: distance ed										
Mean estimated bias		0.30	0.18	0.24	0.42	0.33	0.21	0.25	0.32	0.15	0.34
Median estimated bias		0.13	0.12	0.14	0.22	0.26	0.18	0.16	0.28	0.06	0.20
Percent significant bias		60.00	13.51	34.15	50.00	50.00	15.38	30.23	47.73	13.51	39.53
JOBSCHC	Combine school and work: modify schedule										
Mean estimated bias		0.30	0.18	0.24	0.42	0.33	0.21	0.25	0.32	0.15	0.34
Median estimated bias		0.13	0.12	0.14	0.22	0.26	0.18	0.16	0.28	0.06	0.20
Percent significant bias		60.00	13.51	34.15	50.00	50.00	15.38	30.23	47.73	13.51	39.53
JOBSUMMR	Work during summer 2003										
Mean estimated bias		0.13	0.11	0.12	0.13	0.08	0.13	0.07	0.09	0.11	0.11
Median estimated bias		0.06	0.07	0.04	0.05	0.02	0.07	0.04	0.03	0.05	0.04
Percent significant bias		53.85	20.00	25.00	19.05	30.23	10.53	19.51	16.67	18.42	14.63

See notes at end of table.

Table K-24. Summary of item nonresponse bias analysis for all students and by institutional sector: 2004—Continued

Variable	Variable label	All students	Public less-than-2-year	Public 2-year	Public 4-year non-doctoral	Public 4-year doctoral	Private not-for-profit less-than-4-year	Private not-for-profit 4-year non-doctoral	Private not-for-profit 4-year doctoral	Private for-profit less-than-2-year	Private for-profit 2-year or more
JOBWEEK	Weeks worked while enrolled										
Mean estimated bias		0.15	0.12	0.12	0.14	0.10	0.13	0.08	0.10	0.10	0.14
Median estimated bias		0.06	0.07	0.04	0.05	0.03	0.09	0.04	0.04	0.05	0.08
Percent significant bias		47.27	8.11	26.83	29.55	30.43	7.69	9.30	17.78	10.26	32.56
LOCALRES	Housing										
Mean estimated bias		0.06	0.08	0.10	0.07	†	0.10	†	†	0.06	†
Median estimated bias		0.03	0.05	0.03	0.04	†	0.06	†	†	0.03	†
Percent significant bias		63.64	35.14	31.71	38.64	†	25.64	†	†	23.08	†
MAJORS	Field of study/major (detailed)										
Mean estimated bias		†	0.03	0.03	†	†	0.09	†	†	0.03	†
Median estimated bias		†	0.02	0.01	†	†	0.05	†	†	0.01	†
Percent significant bias		†	11.11	2.44	†	†	28.21	†	†	8.11	†
MILTYPE	Military service type										
Mean estimated bias		0.07	0.07	0.10	†	†	†	†	†	†	†
Median estimated bias		0.02	0.03	0.03	†	†	†	†	†	†	†
Percent significant bias		43.64	37.84	29.27	†	†	†	†	†	†	†
NPFIRST	NPSAS was first school attended after high school										
Mean estimated bias		0.11	0.05	0.11	0.09	0.07	0.09	0.04	0.07	0.08	0.07
Median estimated bias		0.05	0.04	0.03	0.03	0.02	0.07	0.03	0.03	0.05	0.04
Percent significant bias		47.17	29.73	26.83	20.93	31.82	7.69	14.29	13.95	17.95	23.81
NUMCRED	Number of credit cards in own name										
Mean estimated bias		0.12	0.15	0.13	0.13	0.04	0.12	0.06	0.06	0.14	0.11
Median estimated bias		0.04	0.08	0.03	0.05	0.02	0.07	0.03	0.02	0.07	0.04
Percent significant bias		47.06	6.06	25.64	26.83	32.43	2.70	15.00	12.50	10.81	7.50
OWNINVST	Own investments, business or farm over \$10,000										
Mean estimated bias		0.18	0.13	0.16	0.18	0.18	0.25	0.11	0.13	0.18	0.20
Median estimated bias		0.11	0.08	0.06	0.06	0.06	0.16	0.06	0.06	0.11	0.12
Percent significant bias		49.09	13.51	29.27	29.55	32.61	23.08	18.60	20.00	29.73	32.56
PARALLOW	Monthly allowance amount from parents										
Mean estimated bias		0.09	0.10	0.11	0.10	0.04	0.10	0.05	0.06	0.10	0.08
Median estimated bias		0.03	0.08	0.03	0.03	0.02	0.06	0.02	0.04	0.06	0.06
Percent significant bias		49.09	33.33	29.27	31.82	40.91	18.42	23.26	36.36	25.64	32.56

See notes at end of table.

Table K-24. Summary of item nonresponse bias analysis for all students and by institutional sector: 2004—Continued

Variable	Variable label	All students	Public less-than-2-year	Public 2-year	Public 4-year non-doctoral	Public 4-year doctoral	Private not-for-profit less-than-4-year	Private not-for-profit 4-year non-doctoral	Private not-for-profit 4-year doctoral	Private for-profit less-than-2-year	Private for-profit 2-year or more
PARBORN	Student's parents were born in the United States										
Mean estimated bias		0.12	0.09	0.11	0.12	0.09	0.12	0.06	0.08	0.11	0.12
Median estimated bias		0.06	0.06	0.04	0.04	0.02	0.09	0.03	0.03	0.06	0.06
Percent significant bias		50.91	32.43	26.83	18.18	26.09	15.38	13.95	13.33	17.95	30.23
PARCOLL	Parents taking college courses in 2003–2004										
Mean estimated bias		0.12	0.15	0.13	0.12	0.04	0.13	0.05	0.06	0.14	0.11
Median estimated bias		0.04	0.07	0.04	0.05	0.02	0.09	0.03	0.03	0.06	0.04
Percent significant bias		47.06	6.06	23.08	26.83	24.32	10.81	15.00	12.50	8.11	5.00
PARESTA	Parents own other real estate										
Mean estimated bias		0.12	0.15	0.13	0.12	0.04	0.13	0.06	0.08	0.14	0.11
Median estimated bias		0.04	0.08	0.03	0.05	0.02	0.07	0.03	0.03	0.07	0.04
Percent significant bias		45.10	6.06	20.51	24.39	27.03	2.70	10.00	10.00	10.81	5.00
PARHELPA	Help from parents: housing										
Mean estimated bias		0.12	0.15	0.13	0.12	0.04	0.15	0.06	0.06	0.13	0.10
Median estimated bias		0.04	0.07	0.03	0.04	0.02	0.07	0.03	0.03	0.06	0.04
Percent significant bias		43.14	#	25.64	24.39	27.03	8.11	20.00	12.50	8.11	5.00
PARHELPB	Help from parents: other educational expenses										
Mean estimated bias		0.12	0.15	0.13	0.12	0.04	0.15	0.06	0.06	0.13	0.10
Median estimated bias		0.04	0.07	0.03	0.04	0.02	0.07	0.03	0.03	0.06	0.04
Percent significant bias		43.14	#	25.64	24.39	27.03	8.11	20.00	12.50	8.11	5.00
PARHELPC	Help from parents: other living expenses										
Mean estimated bias		0.12	0.15	0.13	0.12	0.04	0.15	0.06	0.06	0.13	0.10
Median estimated bias		0.04	0.07	0.03	0.04	0.02	0.07	0.03	0.03	0.06	0.04
Percent significant bias		43.14	#	25.64	24.39	27.03	8.11	20.00	12.50	8.11	5.00
PARHELPD	Help from parents: tuition and fees										
Mean estimated bias		0.12	0.15	0.13	0.12	0.04	0.15	0.06	0.06	0.13	0.10
Median estimated bias		0.04	0.07	0.03	0.04	0.02	0.07	0.03	0.03	0.06	0.04
Percent significant bias		43.14	#	25.64	24.39	27.03	8.11	20.00	12.50	8.11	5.00
PARLIVE	Lived with parents while not enrolled										
Mean estimated bias		0.12	0.15	0.13	0.11	0.04	0.14	0.04	0.05	0.14	0.15
Median estimated bias		0.03	0.16	0.04	0.04	0.02	0.10	0.02	0.02	0.07	0.05
Percent significant bias		43.14	12.90	20.51	14.63	18.92	10.81	10.00	10.00	2.70	2.50

See notes at end of table.

Table K-24. Summary of item nonresponse bias analysis for all students and by institutional sector: 2004—Continued

Variable	Variable label	All students	Public less-than-2-year	Public 2-year	Public 4-year non-doctoral	Public 4-year doctoral	Private not-for-profit less-than-4-year	Private not-for-profit 4-year non-doctoral	Private not-for-profit 4-year doctoral	Private for-profit less-than-2-year	Private for-profit 2-year or more
PARPAYCR	Parents help pay credit bills										
Mean estimated bias		0.19	0.30	0.18	0.19	0.07	0.21	0.10	0.11	0.22	0.20
Median estimated bias		0.08	0.19	0.10	0.09	0.05	0.17	0.06	0.05	0.13	0.09
Percent significant bias		58.82	6.06	25.64	29.27	32.43	8.33	17.50	15.00	10.81	12.50
PAYOFBAL	Payoff or carry credit balance										
Mean estimated bias		0.19	0.30	0.18	0.19	0.07	0.20	0.10	0.11	0.21	0.20
Median estimated bias		0.08	0.19	0.10	0.09	0.04	0.17	0.06	0.06	0.11	0.08
Percent significant bias		60.78	6.06	25.64	29.27	32.43	8.33	17.50	15.00	10.81	12.50
PAYTUIT	Use credit to pay for tuition										
Mean estimated bias		0.19	0.30	0.18	0.19	0.07	0.20	0.10	0.11	0.21	0.20
Median estimated bias		0.08	0.17	0.10	0.09	0.05	0.17	0.06	0.05	0.12	0.09
Percent significant bias		56.86	6.06	25.64	29.27	32.43	8.33	25.00	15.00	10.81	12.50
PDADED	Father's highest education level										
Mean estimated bias		0.07	0.09	0.10	†	†	†	†	†	0.07	†
Median estimated bias		0.02	0.04	0.03	†	†	†	†	†	0.04	†
Percent significant bias		50.91	32.43	31.71	†	†	†	†	†	25.64	†
PMOMED	Mothers highest education level										
Mean estimated bias		0.07	0.08	0.10	†	†	†	†	†	0.07	†
Median estimated bias		0.02	0.04	0.03	†	†	†	†	†	0.03	†
Percent significant bias		52.73	32.43	31.71	†	†	†	†	†	28.21	†
PRIMLANG	English as primary language										
Mean estimated bias		0.12	0.09	0.12	0.13	0.09	0.12	0.06	0.08	0.11	0.12
Median estimated bias		0.06	0.05	0.04	0.05	0.02	0.09	0.03	0.02	0.05	0.06
Percent significant bias		50.91	32.43	24.39	18.18	26.09	15.38	13.95	13.33	17.95	30.23
RAINDTRB	State/federally recognized tribe										
Mean estimated bias		0.14	0.13	0.08	0.12	0.12	0.30	0.14	0.13	0.14	0.15
Median estimated bias		0.05	0.09	0.04	0.06	0.04	0.18	0.06	0.08	0.07	0.06
Percent significant bias		1.82	29.03	2.78	#	#	#	#	2.38	2.86	#
REMEDIA	Took remedial course: English										
Mean estimated bias		0.36	0.34	0.30	0.20	0.18	0.38	0.22	0.25	0.40	0.77
Median estimated bias		0.19	0.22	0.11	0.16	0.15	0.24	0.12	0.19	0.21	0.19
Percent significant bias		43.40	19.44	36.59	26.83	43.59	12.82	19.05	12.50	5.41	11.90
REMEDIB	Took remedial course: math										
Mean estimated bias		0.36	0.34	0.30	0.20	0.18	0.38	0.22	0.25	0.40	0.77
Median estimated bias		0.19	0.22	0.11	0.16	0.15	0.24	0.12	0.19	0.21	0.19
Percent significant bias		43.40	19.44	36.59	26.83	43.59	12.82	19.05	12.50	5.41	11.90

See notes at end of table.

Table K-24. Summary of item nonresponse bias analysis for all students and by institutional sector: 2004—Continued

Variable	Variable label	All students	Public less-than-2-year	Public 2-year	Public 4-year non-doctoral	Public 4-year doctoral	Private not-for-profit less-than-4-year	Private not-for-profit 4-year non-doctoral	Private not-for-profit 4-year doctoral	Private for-profit less-than-2-year	Private for-profit 2-year or more
REMEDIC	Took remedial course: reading										
Mean estimated bias		0.36	0.34	0.30	0.20	0.18	0.38	0.22	0.25	0.40	0.77
Median estimated bias		0.19	0.22	0.11	0.16	0.15	0.24	0.12	0.19	0.21	0.19
Percent significant bias		43.40	19.44	36.59	26.83	43.59	12.82	19.05	12.50	5.41	11.90
REMEDID	Took remedial course: study skills										
Mean estimated bias		0.36	0.34	0.30	0.20	0.18	0.38	0.22	0.25	0.40	0.77
Median estimated bias		0.19	0.22	0.11	0.16	0.15	0.24	0.12	0.19	0.21	0.19
Percent significant bias		43.40	19.44	36.59	26.83	43.59	12.82	19.05	12.50	5.41	11.90
REMEDIE	Took remedial course: writing										
Mean estimated bias		0.36	0.34	0.30	0.20	0.18	0.38	0.22	0.25	0.40	0.77
Median estimated bias		0.19	0.22	0.11	0.16	0.15	0.24	0.12	0.19	0.21	0.19
Percent significant bias		43.40	19.44	36.59	26.83	43.59	12.82	19.05	12.50	5.41	11.90
REMETOOK	Took remedial courses this school year										
Mean estimated bias		0.26	0.23	0.20	0.13	0.11	0.33	0.14	0.17	0.23	0.49
Median estimated bias		0.11	0.11	0.07	0.11	0.07	0.18	0.05	0.11	0.16	0.16
Percent significant bias		39.62	22.22	12.20	24.39	33.33	7.69	9.52	#	#	35.71
REMEVER	Ever taken remedial courses										
Mean estimated bias		0.12	0.05	0.11	0.09	0.07	0.12	0.04	0.06	0.08	0.07
Median estimated bias		0.05	0.05	0.03	0.04	0.02	0.08	0.03	0.02	0.05	0.04
Percent significant bias		49.06	21.62	24.39	20.93	25.00	7.69	14.29	16.28	17.95	26.19
SERNEEDA	Adaptive equipment and technology										
Mean estimated bias		0.23	0.24	0.25	0.32	0.18	0.27	0.18	0.29	0.23	0.27
Median estimated bias		0.08	0.18	0.12	0.12	0.08	0.22	0.08	0.11	0.13	0.15
Percent significant bias		32.73	27.78	17.07	20.45	31.82	8.11	4.65	6.67	13.51	16.28
SERNEEDB	Alternative exam formats or additional time										
Mean estimated bias		0.23	0.24	0.25	0.32	0.18	0.27	0.18	0.29	0.23	0.27
Median estimated bias		0.08	0.18	0.12	0.12	0.08	0.22	0.08	0.11	0.13	0.15
Percent significant bias		32.73	27.78	17.07	20.45	31.82	8.11	4.65	6.67	13.51	16.28
SERNEEDC	Course substitution or waiver										
Mean estimated bias		0.23	0.24	0.25	0.32	0.18	0.27	0.18	0.29	0.23	0.27
Median estimated bias		0.08	0.18	0.12	0.12	0.08	0.22	0.08	0.11	0.13	0.15
Percent significant bias		32.73	27.78	17.07	20.45	31.82	8.11	4.65	6.67	13.51	16.28

See notes at end of table.

Table K-24. Summary of item nonresponse bias analysis for all students and by institutional sector: 2004—Continued

Variable	Variable label	All students	Public less-than-2-year	Public 2-year	Public 4-year non-doctoral	Public 4-year doctoral	Private not-for-profit less-than-4-year	Private not-for-profit 4-year non-doctoral	Private not-for-profit 4-year doctoral	Private for-profit less-than-2-year	Private for-profit 2-year or more
SERNEEDD	Readers, note takers, or scribes										
Mean estimated bias		0.23	0.24	0.25	0.32	0.18	0.27	0.18	0.29	0.23	0.27
Median estimated bias		0.08	0.18	0.12	0.12	0.08	0.22	0.08	0.11	0.13	0.15
Percent significant bias		32.73	27.78	17.07	20.45	31.82	8.11	4.65	6.67	13.51	16.28
SERNEEDE	Registration assistance or priority class registration										
Mean estimated bias		0.23	0.24	0.25	0.32	0.18	0.27	0.18	0.29	0.23	0.27
Median estimated bias		0.08	0.18	0.12	0.12	0.08	0.22	0.08	0.11	0.13	0.15
Percent significant bias		32.73	27.78	17.07	20.45	31.82	8.11	4.65	6.67	13.51	16.28
SERNEEDF	Sign language or oral interpreters										
Mean estimated bias		0.23	0.24	0.25	0.33	0.18	0.29	0.18	0.29	0.24	0.28
Median estimated bias		0.09	0.18	0.12	0.13	0.09	0.22	0.08	0.11	0.13	0.16
Percent significant bias		30.91	27.78	17.07	20.45	34.09	8.11	4.65	6.67	16.22	16.28
SERNEEDG	Tutors to assist with homework										
Mean estimated bias		0.23	0.24	0.25	0.32	0.18	0.27	0.18	0.29	0.23	0.27
Median estimated bias		0.08	0.18	0.12	0.12	0.08	0.22	0.08	0.11	0.13	0.15
Percent significant bias		32.73	27.78	17.07	20.45	31.82	8.11	4.65	6.67	13.51	16.28
SERNEEDX	Needs: other										
Mean estimated bias		0.23	0.24	0.25	0.32	0.18	0.27	0.18	0.29	0.23	0.27
Median estimated bias		0.08	0.18	0.12	0.12	0.08	0.22	0.08	0.11	0.13	0.15
Percent significant bias		32.73	27.78	17.07	20.45	31.82	8.11	4.65	6.67	13.51	16.28
SERRECVA	Service: adaptive equipment and technology										
Mean estimated bias		0.23	0.25	0.26	0.32	0.18	0.26	0.17	0.29	0.23	0.27
Median estimated bias		0.09	0.20	0.11	0.14	0.08	0.20	0.07	0.13	0.13	0.15
Percent significant bias		30.91	27.78	14.63	20.45	31.82	8.11	4.65	13.33	13.51	16.28
SERRECVB	Service: alternative exam formats/additional time										
Mean estimated bias		0.23	0.25	0.26	0.32	0.18	0.26	0.17	0.29	0.23	0.27
Median estimated bias		0.09	0.20	0.11	0.14	0.08	0.20	0.07	0.13	0.13	0.15
Percent significant bias		30.91	27.78	14.63	20.45	31.82	8.11	4.65	13.33	13.51	16.28
SERRECVC	Service: course substitution or waiver										
Mean estimated bias		0.23	0.25	0.26	0.32	0.18	0.26	0.17	0.29	0.23	0.27
Median estimated bias		0.09	0.20	0.11	0.14	0.08	0.20	0.07	0.13	0.13	0.15
Percent significant bias		30.91	27.78	14.63	20.45	31.82	8.11	4.65	13.33	13.51	16.28

See notes at end of table.

Table K-24. Summary of item nonresponse bias analysis for all students and by institutional sector: 2004—Continued

Variable	Variable label	All students	Public less-than-2-year	Public 2-year	Public 4-year non-doctoral	Public 4-year doctoral	Private not-for-profit less-than-4-year	Private not-for-profit 4-year non-doctoral	Private not-for-profit 4-year doctoral	Private for-profit less-than-2-year	Private for-profit 2-year or more
SERRECVD	Service: readers, note takers, or scribes										
Mean estimated bias		0.23	0.25	0.26	0.32	0.18	0.26	0.17	0.29	0.23	0.27
Median estimated bias		0.09	0.20	0.11	0.14	0.08	0.20	0.07	0.13	0.13	0.15
Percent significant bias		30.91	27.78	14.63	20.45	31.82	8.11	4.65	13.33	13.51	16.28
SERRECVE	Service: registration priority or assistance										
Mean estimated bias		0.23	0.25	0.26	0.32	0.18	0.26	0.17	0.29	0.23	0.27
Median estimated bias		0.09	0.20	0.11	0.14	0.08	0.20	0.07	0.13	0.13	0.15
Percent significant bias		30.91	27.78	14.63	20.45	31.82	8.11	4.65	13.33	13.51	16.28
SERRECVF	Service: sign language or oral interpreters										
Mean estimated bias		0.23	0.25	0.26	0.32	0.18	0.26	0.17	0.29	0.23	0.27
Median estimated bias		0.09	0.20	0.11	0.14	0.08	0.20	0.07	0.13	0.13	0.15
Percent significant bias		30.91	27.78	14.63	20.45	31.82	8.11	4.65	13.33	13.51	16.28
SERRECVG	Service: tutors to assist with homework										
Mean estimated bias		0.23	0.25	0.26	0.32	0.18	0.26	0.17	0.29	0.23	0.27
Median estimated bias		0.09	0.20	0.11	0.14	0.08	0.20	0.07	0.13	0.13	0.15
Percent significant bias		30.91	27.78	14.63	20.45	31.82	8.11	4.65	13.33	13.51	16.28
SERRECVX	Service: other										
Mean estimated bias		0.23	0.25	0.26	0.32	0.18	0.26	0.17	0.29	0.23	0.27
Median estimated bias		0.09	0.20	0.11	0.14	0.08	0.20	0.07	0.13	0.13	0.15
Percent significant bias		30.91	27.78	14.63	20.45	31.82	8.11	4.65	13.33	13.51	16.28
SIBCOLB4	Siblings in college before respondent										
Mean estimated bias		0.12	0.15	0.13	0.12	0.04	0.13	0.06	0.06	0.14	0.11
Median estimated bias		0.04	0.07	0.04	0.05	0.02	0.08	0.03	0.02	0.07	0.04
Percent significant bias		47.06	6.06	25.64	26.83	27.03	10.81	15.00	12.50	8.11	5.00
SINCOL	Number in college (independent students)										
Mean estimated bias		0.08	0.08	0.10	†	†	†	†	†	†	†
Median estimated bias		0.02	0.03	0.04	†	†	†	†	†	†	†
Percent significant bias		50.91	35.14	36.59	†	†	†	†	†	†	†
SJCOMSER	Work-study: community service										
Mean estimated bias		0.12	0.24	0.18	0.11	0.09	0.10	0.09	0.10	0.21	0.10
Median estimated bias		0.04	0.10	0.05	0.04	0.04	0.04	0.04	0.05	0.11	0.06
Percent significant bias		13.21	#	15.38	10.00	13.16	2.63	7.32	25.64	5.88	#

See notes at end of table.

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Table K-24. Summary of item nonresponse bias analysis for all students and by institutional sector: 2004—Continued

Variable	Variable label	All students	Public less-than-2-year	Public 2-year	Public 4-year non-doctoral	Public 4-year doctoral	Private not-for-profit less-than-4-year	Private not-for-profit 4-year non-doctoral	Private not-for-profit 4-year doctoral	Private for-profit less-than-2-year	Private for-profit 2-year or more
SJHOURS	Work study: hours worked per week										
Mean estimated bias		0.08	†	0.10	0.07	0.05	0.10	0.04	0.06	0.15	0.06
Median estimated bias		0.01	†	0.04	0.04	0.02	0.08	0.01	0.03	0.10	0.02
Percent significant bias		20.00	†	15.00	7.14	2.38	7.69	6.98	6.82	5.71	9.30
SJMAJOR	Work study: related to major										
Mean estimated bias		0.08	0.24	0.11	0.11	0.09	0.12	0.07	0.08	0.20	0.08
Median estimated bias		0.04	0.11	0.04	0.07	0.04	0.08	0.03	0.04	0.08	0.05
Percent significant bias		9.80	9.09	13.16	17.07	12.50	2.63	7.14	14.63	11.43	#
SJONOFF	Work study: on/off campus										
Mean estimated bias		0.11	0.22	0.17	0.10	0.08	0.09	0.06	0.08	0.17	0.08
Median estimated bias		0.04	0.12	0.06	0.06	0.04	0.04	0.04	0.03	0.07	0.03
Percent significant bias		20.75	6.06	17.50	17.07	17.50	2.56	7.14	21.95	11.43	#
SJSCHOOL	Work study: for school										
Mean estimated bias		0.11	0.22	0.17	0.10	0.08	0.09	0.06	0.08	0.17	0.08
Median estimated bias		0.04	0.12	0.07	0.06	0.04	0.04	0.04	0.03	0.08	0.03
Percent significant bias		18.87	6.06	17.50	17.07	17.50	2.56	7.14	21.95	11.43	#
SJTUTOR	Work study: tutoring										
Mean estimated bias		0.12	0.24	0.18	0.10	0.08	0.10	0.09	0.10	0.21	0.09
Median estimated bias		0.04	0.08	0.05	0.05	0.04	0.04	0.04	0.06	0.11	0.05
Percent significant bias		13.21	#	15.38	10.00	13.16	2.63	7.32	23.08	5.88	#
SPINCOL	Spouse in college										
Mean estimated bias		0.13	0.13	0.13	0.14	0.06	0.17	0.06	0.10	0.11	0.15
Median estimated bias		0.07	0.08	0.05	0.06	0.03	0.14	0.03	0.04	0.07	0.08
Percent significant bias		34.55	25.00	21.95	13.64	16.67	7.89	4.65	4.44	5.41	25.58
SPSINC	Spouse of student earnings derived										
Mean estimated bias		0.46	0.26	0.54	0.53	0.59	0.26	0.35	0.55	0.20	0.27
Median estimated bias		0.26	0.15	0.29	0.28	0.23	0.09	0.22	0.30	0.08	0.15
Percent significant bias		54.55	38.89	43.90	25.00	34.09	20.51	25.58	42.22	21.62	25.58
SSISSDI	Receive SSI/SSDI										
Mean estimated bias		0.23	0.24	0.26	0.34	0.17	0.25	0.17	0.28	0.23	0.27
Median estimated bias		0.09	0.18	0.11	0.13	0.08	0.18	0.06	0.11	0.12	0.14
Percent significant bias		29.09	27.78	14.63	18.18	29.55	8.11	4.65	8.89	13.51	16.28
STUDMULT	Number of institutions attended										
Mean estimated bias		0.06	0.06	0.08	†	†	†	†	†	0.05	†
Median estimated bias		0.02	0.03	0.01	†	†	†	†	†	0.01	†
Percent significant bias		54.55	29.73	26.83	†	†	†	†	†	28.21	†

See notes at end of table.

Table K-24. Summary of item nonresponse bias analysis for all students and by institutional sector: 2004—Continued

Variable	Variable label	All students	Public less-than-2-year	Public 2-year	Public 4-year non-doctoral	Public 4-year doctoral	Private not-for-profit less-than-4-year	Private not-for-profit 4-year non-doctoral	Private not-for-profit 4-year doctoral	Private for-profit less-than-2-year	Private for-profit 2-year or more
TAXHOPE	Claim Federal Hope scholarship										
Mean estimated bias		0.12	0.09	0.12	0.13	0.08	0.17	0.06	0.09	0.11	0.10
Median estimated bias		0.04	0.06	0.04	0.05	0.02	0.08	0.03	0.03	0.05	0.04
Percent significant bias		41.82	32.43	19.51	15.91	28.26	20.51	18.60	15.56	17.95	2.33
TAXLEARN	Claim lifetime learning tax credit										
Mean estimated bias		0.12	0.10	0.11	0.13	0.08	0.17	0.06	0.08	0.11	0.11
Median estimated bias		0.05	0.05	0.03	0.04	0.02	0.08	0.03	0.02	0.05	0.05
Percent significant bias		49.09	27.03	19.51	20.45	30.43	17.95	13.95	13.33	17.95	2.33
TAXTUIT	Claim tuition tax deduction										
Mean estimated bias		0.12	0.09	0.11	0.13	0.08	0.17	0.06	0.09	0.11	0.11
Median estimated bias		0.05	0.06	0.04	0.04	0.02	0.08	0.03	0.02	0.05	0.05
Percent significant bias		49.09	32.43	26.83	22.73	26.09	17.95	11.63	13.33	20.51	16.28
TRANSCRD	Transferred credits to NPSAS										
Mean estimated bias		0.20	0.66	0.23	0.17	0.20	0.35	0.14	0.21	0.35	0.28
Median estimated bias		0.09	0.48	0.10	0.11	0.08	0.30	0.10	0.18	0.28	0.19
Percent significant bias		20.75	31.25	19.51	4.88	14.29	7.69	15.00	25.00	2.70	12.20
TRANSFR	Transferred from NPSAS										
Mean estimated bias		0.15	0.27	0.19	0.10	0.22	0.21	0.15	0.13	0.15	0.17
Median estimated bias		0.06	0.12	0.07	0.06	0.06	0.15	0.11	0.07	0.07	0.12
Percent significant bias		28.30	#	19.51	4.88	4.55	2.56	24.39	5.00	#	12.20
TRANSPLN	Plan to transfer from NPSAS										
Mean estimated bias		0.17	0.15	0.14	0.13	0.10	0.20	0.09	0.10	0.17	0.15
Median estimated bias		0.09	0.09	0.06	0.06	0.04	0.11	0.05	0.04	0.12	0.07
Percent significant bias		60.38	24.32	14.63	37.21	54.55	17.95	28.57	16.28	30.77	26.19
TRANSTO	Transferred to NPSAS										
Mean estimated bias		0.12	0.24	0.14	0.10	0.14	0.21	0.09	0.12	0.20	0.20
Median estimated bias		0.04	0.16	0.05	0.06	0.03	0.16	0.06	0.09	0.12	0.15
Percent significant bias		35.85	8.82	21.95	9.76	6.82	5.13	7.32	22.50	#	17.07
UNTAXBF	Received untaxed benefits in 2003										
Mean estimated bias		0.22	0.06	0.12	0.12	0.09	0.10	0.05	0.07	0.09	0.11
Median estimated bias		0.13	0.06	0.04	0.05	0.04	0.08	0.02	0.02	0.05	0.06
Percent significant bias		30.91	24.32	19.51	27.27	19.57	5.13	4.65	13.33	21.62	16.28
UNTAXBFA	Received child support										
Mean estimated bias		0.28	0.24	0.25	0.28	0.20	0.24	0.17	0.18	0.18	0.13
Median estimated bias		0.18	0.19	0.15	0.21	0.14	0.18	0.14	0.11	0.10	0.10
Percent significant bias		47.27	21.62	31.71	30.95	26.09	2.63	4.65	11.90	13.51	4.76

See notes at end of table.

Table K-24. Summary of item nonresponse bias analysis for all students and by institutional sector: 2004—Continued

Variable	Variable label	All students	Public less-than-2-year	Public 2-year	Public 4-year non-doctoral	Public 4-year doctoral	Private not-for-profit less-than-4-year	Private not-for-profit 4-year non-doctoral	Private not-for-profit 4-year doctoral	Private for-profit less-than-2-year	Private for-profit 2-year or more
UNTAXBFB	Received disability payments										
Mean estimated bias		0.28	0.18	0.31	0.40	0.25	0.25	0.23	0.26	0.20	0.24
Median estimated bias		0.18	0.14	0.19	0.25	0.17	0.17	0.19	0.16	0.12	0.12
Percent significant bias		47.27	16.22	41.46	40.91	34.78	7.69	13.95	15.91	27.03	4.65
UNTAXBFC	Received food stamps										
Mean estimated bias		0.28	0.18	0.31	0.40	0.25	0.25	0.23	0.26	0.20	0.24
Median estimated bias		0.18	0.14	0.19	0.25	0.17	0.17	0.19	0.16	0.12	0.12
Percent significant bias		47.27	16.22	41.46	40.91	34.78	7.69	13.95	15.91	27.03	4.65
UNTAXBFD	Received social security benefits										
Mean estimated bias		0.22	0.19	0.31	0.40	0.25	0.25	0.23	0.26	0.20	0.24
Median estimated bias		0.13	0.14	0.20	0.25	0.17	0.17	0.18	0.17	0.12	0.12
Percent significant bias		30.91	16.22	41.46	40.91	36.96	7.69	13.95	15.91	27.03	4.65
UNTAXBFE	Received TANF										
Mean estimated bias		0.28	0.24	0.25	0.28	0.20	0.24	0.17	0.18	0.18	0.13
Median estimated bias		0.18	0.19	0.15	0.21	0.14	0.18	0.14	0.11	0.10	0.10
Percent significant bias		47.27	21.62	31.71	30.95	26.09	2.63	4.65	11.90	13.51	4.76
UNTAXBFF	Received worker's compensation										
Mean estimated bias		0.12	0.18	0.31	0.40	0.25	0.25	0.23	0.26	0.20	0.24
Median estimated bias		0.06	0.14	0.19	0.25	0.17	0.17	0.19	0.16	0.12	0.12
Percent significant bias		43.64	16.22	41.46	40.91	34.78	7.69	13.95	15.91	27.03	4.65
USBORN	Respondent born in the U.S.										
Mean estimated bias		0.12	0.10	0.12	0.13	0.08	0.13	0.06	0.08	0.10	0.12
Median estimated bias		0.05	0.06	0.04	0.04	0.02	0.09	0.03	0.03	0.04	0.05
Percent significant bias		45.45	27.03	17.07	22.73	28.26	5.13	9.30	11.11	23.08	25.58
VOCAPPLY	Ever applied for Voc Rehab services										
Mean estimated bias		0.23	0.28	0.24	0.34	0.17	0.31	0.19	0.30	0.23	0.30
Median estimated bias		0.08	0.21	0.10	0.12	0.07	0.23	0.08	0.11	0.11	0.14
Percent significant bias		25.45	11.11	12.20	15.91	20.45	2.70	6.98	2.22	8.11	16.28
VOCRECV	Ever received Voc Rehab services										
Mean estimated bias		0.24	0.24	0.26	0.34	0.17	0.25	0.17	0.28	0.23	0.26
Median estimated bias		0.08	0.18	0.11	0.13	0.08	0.18	0.07	0.11	0.13	0.14
Percent significant bias		29.09	27.78	14.63	20.45	29.55	8.11	4.65	6.67	13.51	16.28
VOTEEVER	Ever vote										
Mean estimated bias		0.12	0.10	0.12	0.12	0.08	0.14	0.06	0.08	0.10	0.13
Median estimated bias		0.05	0.05	0.04	0.04	0.02	0.10	0.03	0.03	0.04	0.05
Percent significant bias		47.27	27.03	19.51	22.73	28.26	7.69	9.30	13.33	23.08	25.58

See notes at end of table.

Table K-24. Summary of item nonresponse bias analysis for all students and by institutional sector: 2004—Continued

Variable	Variable label	All students	Public less-than-2-year	Public 2-year	Public 4-year non-doctoral	Public 4-year doctoral	Private not-for-profit less-than-4-year	Private not-for-profit 4-year non-doctoral	Private not-for-profit 4-year doctoral	Private for-profit less-than-2-year	Private for-profit 2-year or more
VOTEREG	Registered to vote										
Mean estimated bias		0.12	0.10	0.12	0.12	0.08	0.18	0.06	0.08	0.10	0.13
Median estimated bias		0.05	0.05	0.05	0.05	0.02	0.10	0.03	0.03	0.04	0.06
Percent significant bias		47.27	27.03	17.07	18.18	26.09	12.82	9.30	13.33	23.08	25.58
YEARGRAD	Year began graduate school										
Mean estimated bias		0.07	†	†	0.10	0.04	†	0.07	0.07	†	0.08
Median estimated bias		0.02	†	†	0.05	0.01	†	0.03	0.02	†	0.04
Percent significant bias		6.98	†	†	#	11.43	†	11.43	8.11	†	#

† Not applicable.

NOTE: Nonresponse bias analysis was conducted only for items with a weighted response rate less than 85 percent. Nonresponse bias analysis was based on the student-level variables known for both item respondents and nonrespondents (described in section 6.3).

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004 National Postsecondary Student Aid Study (NPSAS:04).

Table K-25. Evaluation of item nonresponse bias after imputation for continuous variables: 2004

Variable	Variable label	Before imputation mean	After imputation mean	Estimated bias	Relative bias
BAYEAR	Year received bachelor's degree	1,995.56	1,995.55	0.01	#
COMHOUR	Number of hours volunteered per month	15.27	15.36	-0.10	-0.01
CRBALDUE	Balance due on all credit cards	2,036.12	2,043.79	-7.67	#
DEPCOST	Monthly daycare costs	414.40	421.10	-6.70	-0.02
DEPINC	Dependent parent income derived	60,353.38	66,537.78	-6,184.40 ¹	-0.09
DEPOLD	Dependent children—age of oldest	2.28	2.69	-0.42 ¹	-0.16
DEPYNG	Dependent children—age of youngest	1.60	1.97	-0.36 ¹	-0.18
DSTUINC	Dependent student earnings derived	4,351.04	5,474.09	-1,123.05 ¹	-0.21
EMPLYAM2	Employer (parents) tuition aid	29.11	29.44	-0.32	-0.01
GPA	Grad point average	296.43	296.85	-0.42 ¹	#
HOMEDIST	Distance from NPSAS school to home	159.96	161.77	-1.81	-0.01
HSGRADYY	High school graduation year	1,995.43	1,963.77	31.67 ¹	0.02
INDEPINC	Independent student & spouse income derived	25,522.71	32,689.87	-7,167.16 ¹	-0.22
JOBEARN	Total amount earned during the school year	15,145.66	15,137.24	8.42	#
JOBHOUR	Hours worked weekly during the school year	29.97	30.11	-0.14 ¹	#
JOBNUM	Number of jobs during NPSAS year	0.95	0.95	#	#
JOBSAVE	Amount saved from summer earnings	1,101.21	1,102.04	-0.83	#
NUMCRED	Number of credit cards in own name	1.15	1.16	-0.01	-0.01
PARALLOW	Monthly allowance amount from parents	107.27	145.68	-38.41 ¹	-0.26
SJHOURS	Work study: hours worked per week	12.39	12.52	-0.13	-0.01
SPSINC	Spouse of student earnings derived	21,221.92	29,144.00	-7,922.08 ¹	-0.27

¹ Bias is significant at the 0.05 level.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004 National Postsecondary Student Aid Study (NPSAS:04).

Appendix K. Nonresponse Bias Analysis

Table K-26. Evaluation of item nonresponse bias after imputation for categorical variables: 2004

Variable	Variable label	Category	Before imputation mean	After imputation mean	Estimated bias	Relative bias
ATTENDA	Reason for attending NPSAS: complete associate's degree	0	61.73	62.37	-0.64	-0.01
		1	38.27	37.63	0.64	0.02
ATTENDB	Reason for attending NPSAS: complete certificate	0	81.45	81.14	0.31	#
		1	18.55	18.86	-0.31	-0.02
ATTENDC	Reason for attending NPSAS: learn job skills	0	58.04	57.37	0.68 ¹	0.01
		1	41.96	42.63	-0.68 ¹	-0.02
ATTENDD	Reason for attending NPSAS: personal interest or enrichment	0	53.46	53.39	0.07	#
		1	46.54	46.61	-0.07	#
ATTENDE	Reason for attending NPSAS: transfer to 2-year school	0	94.54	94.62	-0.08	#
		1	5.46	5.38	0.08	0.01
ATTENDF	Reason for attending NPSAS: transfer to 4-year school	0	66.28	67.10	-0.82 ¹	-0.01
		1	33.72	32.90	0.82 ¹	0.02
ATTENDG	Reason for attending NPSAS: transfer to another school	0	91.10	91.17	-0.08	#
		1	8.90	8.83	0.08	0.01
CLASSA	Type of class: business	0	89.26	89.28	-0.03	#
		1	10.74	10.72	0.03	#
CLASSB	Type of class: health	0	88.58	88.69	-0.11	#
		1	11.42	11.31	0.11	0.01
CLASSC	Type of class: education	0	85.43	84.68	0.75	0.01
		1	14.57	15.32	-0.75	-0.05
CLASSD	Type of class: engineering and engineering technology	0	97.36	97.31	0.05	#
		1	2.64	2.69	-0.05	-0.02
CLASSE	Type of class: computer and information sciences	0	86.96	86.97	-0.01	#
		1	13.04	13.03	0.01	#
CLASSF	Type of class: social sciences	0	88.69	88.53	0.16	#
		1	11.31	11.47	-0.16	-0.01
CLASSG	Type of class: natural sciences and mathematics	0	82.33	81.33	1.00	0.01
		1	17.67	18.67	-1.00	-0.05
CLASSH	Type of class: arts and humanities	0	84.82	84.27	0.54	0.01
		1	15.18	15.73	-0.54	-0.03
CLASSI	Type of class: communications	0	94.54	94.23	0.31	#
		1	5.46	5.77	-0.31	-0.05
CLASSJ	Type of class: vocational program	0	93.90	94.23	-0.33	#
		1	6.10	5.77	0.33	0.06
CLASSK	Type of class: university transfer	0	94.32	94.27	0.05	#
		1	5.68	5.73	-0.05	-0.01
CLASSL	Type of class: general education	0	76.09	76.56	-0.47	-0.01
		1	23.91	23.44	0.47	0.02

See notes at end of table.

**Table K-26. Evaluation of item nonresponse bias after imputation for categorical variables:
2004—Continued**

Variable	Variable label	Category	Before imputation mean	After imputation mean	Estimated bias	Relative bias
CLASSX	Type of class: other	0	79.48	79.98	-0.50	-0.01
		1	20.52	20.02	0.50	0.02
COMONE	One time event	0	82.11	82.25	-0.14	#
		1	17.89	17.75	0.14	0.01
COMREQ	Volunteer work required for graduation/class	0	86.50	86.54	-0.04	#
		1	13.50	13.46	0.04	#
COMSERV	Community service/volunteer in last year	0	57.78	57.88	-0.10	#
		1	42.22	42.12	0.10	#
COMSERVA	Volunteer: fundraising (political and non-political)	0	79.85	79.86	#	#
		1	20.15	20.14	#	#
COMSERVB	Volunteer: homeless shelter/soup kitchen	0	86.26	86.58	-0.32	#
		1	13.74	13.42	0.32	0.02
COMSERVC	Volunteer: health services	0	82.76	82.43	0.33	#
		1	17.24	17.57	-0.33	-0.02
COMSERVD	Volunteer: neighborhood improvement	0	80.37	80.51	-0.14	#
		1	19.63	19.49	0.14	0.01
COMSERVE	Volunteer: service to the church	0	68.77	68.44	0.33	#
		1	31.23	31.56	-0.33	-0.01
COMSERVF	Volunteer: tutoring/education-related	0	74.06	74.40	-0.33	#
		1	25.94	25.60	0.33	0.01
COMSERVG	Volunteer: other work with kids	0	71.70	72.08	-0.38	-0.01
		1	28.30	27.92	0.38	0.01
COMSERVX	Volunteer: other	0	70.93	71.19	-0.26	#
		1	29.07	28.81	0.26	0.01
CONSIDRA	Consider campus safety	0	68.90	69.39	-0.48 ¹	-0.01
		1	31.10	30.61	0.48 ¹	0.02
CONSIDRB	Consider graduation rate	0	72.01	72.21	-0.20	#
		1	27.99	27.79	0.20	0.01
CONSIDRC	Consider job rate	0	35.29	35.89	-0.60	-0.02
		1	64.71	64.11	0.60	0.01
DEGEARN	Earned prior degree/certificates	0	65.78	65.32	0.46	0.01
		1	34.22	34.68	-0.46	-0.01
DEGEARNA	Already earned bachelor's degree	0	48.64	50.15	-1.51 ¹	-0.03
		1	51.36	49.85	1.51 ¹	0.03
DEGEARNB	Already earned associate's degree	0	70.03	68.76	1.27 ¹	0.02
		1	29.97	31.24	-1.27 ¹	-0.04
DEGEARNC	Already earned undergraduate certificate/diploma	0	76.22	75.44	0.78 ¹	0.01
		1	23.78	24.56	-0.78 ¹	-0.03
DEGEARND	Already earned post-BA certificate	0	98.41	98.47	-0.06	#
		1	1.59	1.53	0.06	0.04
DEGEARNE	Already earned master's degree	0	87.50	87.99	-0.49	-0.01
		1	12.50	12.01	0.49	0.04

See notes at end of table.

Table K-26. Evaluation of item nonresponse bias after imputation for categorical variables: 2004—Continued

Variable	Variable label	Category	Before imputation mean	After imputation mean	Estimated bias	Relative bias
DEGEARNF	Already earned post-MA certificate	0	99.34	99.34	#	#
		1	0.66	0.66	#	#
DEGEARNG	Already earned first professional degree	0	97.28	97.16	0.12	#
		1	2.72	2.84	-0.12	-0.04
DEGEARNH	Already earned doctoral degree	0	99.11	99.14	-0.03	#
		1	0.89	0.86	0.03	0.04
DELIVE	Distance education: live	0	83.64	83.44	0.20	#
		1	16.36	16.56	-0.20	-0.01
DEPCARE	Have dependent children in daycare	0	63.86	63.80	0.07	#
		1	36.14	36.20	-0.07	#
DEPCHILD	Dependents - has dependent children	0	75.95	74.12	1.82 ¹	0.02
		1	24.05	25.88	-1.82 ¹	-0.07
DEPCLAIM	Claimed as a dependent	0	24.07	23.58	0.49 ¹	0.02
		1	64.37	65.02	-0.65 ¹	-0.01
		2	0.41	0.42	-0.01	-0.02
		3	11.15	10.98	0.17	0.02
DEPNUMCH	Dependents - number of dependent children	0	78.41	74.12	4.29 ¹	0.06
		1	8.31	10.34	-2.03 ¹	-0.20
		2	7.99	9.50	-1.51 ¹	-0.16
		3	3.58	4.17	-0.59 ¹	-0.14
		4	1.23	1.37	-0.15 ¹	-0.11
		5	0.36	0.37	-0.01	-0.04
		6	0.09	0.09	#	-0.04
		7	0.03	0.03	#	0.08
		8	0.01	0.01	#	0.09
		9	#	#	#	0.23
10	#	#	#	0.23		
DEPOTHER	Dependents - has dependent other than children	0	95.10	94.90	0.20 ¹	#
		1	4.90	5.10	-0.20 ¹	-0.04
DERECR	Distance education: pre-recorded	0	80.23	79.74	0.49	0.01
		1	19.77	20.26	-0.49	-0.02
DEWWW	Distance education: Internet	0	11.78	11.61	0.17	0.01
		1	88.22	88.39	-0.17	#
DISABLE	Disability Flag	0	89.73	89.28	0.45 ¹	0.01
		1	10.27	10.72	-0.45 ¹	-0.04
DISMOBIL	Condition that limits physical activities	0	95.63	95.71	-0.08	#
		1	4.37	4.29	0.08	0.02
DISOTHER	Other condition lasting six months or more	0	94.01	93.94	0.07	#
		1	5.99	6.06	-0.07	-0.01
DISOTHRA	Difficulty: dressing, bathing, etc	0	92.45	92.68	-0.23	#
		1	7.55	7.32	0.23	0.03
DISOTHRB	Difficulty: getting to school to attend class	0	68.99	68.82	0.17	#
		1	31.01	31.18	-0.17	-0.01

See notes at end of table.

**Table K-26. Evaluation of item nonresponse bias after imputation for categorical variables:
2004—Continued**

Variable	Variable label	Category	Before imputation mean	After imputation mean	Estimated bias	Relative bias
DISOTHRC	Difficulty: learning, remembering	0	17.61	17.19	0.42	0.02
		1	82.39	82.81	-0.42	-0.01
DISOTHRD	Difficulty: working at a job	0	61.45	61.34	0.11	#
		1	38.55	38.66	-0.11	#
DISSENSR	Have a long-lasting sensory condition	0	98.19	98.17	0.02	#
		1	1.81	1.83	-0.02	-0.01
DISTALL	Distance education: entire program	0	66.44	65.97	0.47	0.01
		1	33.56	34.03	-0.47	-0.01
DISTEDUC	Distance education: took courses	0	84.33	84.18	0.16	#
		1	15.67	15.82	-0.16	-0.01
DISTLOC	Distance education: location of course(s)	1	80.22	79.02	1.19 ¹	0.02
		2	10.16	10.64	-0.48	-0.04
DISTNUM	Distance education: number of courses	3	9.62	10.34	-0.72	-0.07
		1	45.16	44.69	0.47	0.01
		2	22.80	22.83	-0.03	#
		3	11.20	11.27	-0.07	-0.01
		4	7.07	7.08	-0.01	#
		5	3.99	3.98	0.01	#
		6	3.50	3.71	-0.21	-0.06
		7	1.81	1.75	0.06	0.03
		8	1.33	1.45	-0.13	-0.09
		9	0.61	0.65	-0.05	-0.07
		10	1.15	1.15	#	#
		11	0.26	0.25	0.01	0.03
		12	0.70	0.68	0.02	0.02
		13	0.21	0.26	-0.05	-0.20
		14	0.10	0.11	-0.01	-0.10
15	0.13	0.12	0.01	0.07		
DISTSATF	Distance education: satisfaction	1	28.02	27.95	0.07	#
		2	40.25	39.98	0.28	0.01
		3	31.73	32.08	-0.35	-0.01
DISTYPES	Main limiting condition	1	5.19	4.91	0.28	0.06
		2	3.70	3.93	-0.23	-0.06
		3	0.46	0.48	-0.02	-0.04
		4	24.73	25.40	-0.67	-0.03
		5	7.78	7.51	0.28	0.04
		6	11.02	10.50	0.52	0.05
		7	17.37	17.75	-0.38	-0.02
		8	8.84	8.80	0.04	#
		9	13.14	13.09	0.05	#
		10	0.53	0.51	0.03	0.05
		11	1.33	1.19	0.14	0.12
		12	5.90	5.93	-0.03	#
EVER2PUB	Ever attended community college	0	58.64	58.31	0.32	0.01
		1	41.36	41.69	-0.32	-0.01

See notes at end of table.

Table K-26. Evaluation of item nonresponse bias after imputation for categorical variables: 2004—Continued

Variable	Variable label	Category	Before imputation mean	After imputation mean	Estimated bias	Relative bias		
EVER4YR	Ever attended 4-year school	0	70.99	70.02	0.97 ¹	0.01		
		1	29.01	29.98	-0.97 ¹	-0.03		
FORESCH	Ever attended elementary or secondary school outside of the U.S.	0	91.08	90.95	0.13	#		
		1	8.92	9.05	-0.13	-0.01		
GAINSUR	Health insurance with assistantship	0	57.38	57.87	-0.49	-0.01		
		1	42.62	42.13	0.49	0.01		
GRADPYR	Year began graduate degree	1985	0.02	8.41	-8.39 ¹	-1.00		
		1986	0.05	0.05	#	0.04		
		1987	#	#	#	0.55		
		1988	0.04	0.03	0.01	0.16		
		1989	0.05	0.07	-0.03	-0.35		
		1990	0.05	0.03	0.02	0.55		
		1991	0.16	0.11	0.05	0.47		
		1992	0.08	0.07	0.01	0.15		
		1993	0.25	0.21	0.04	0.20		
		1994	0.17	0.15	0.02	0.17		
		1995	0.26	0.25	0.02	0.07		
		1996	0.45	0.34	0.11 ¹	0.32		
		1997	1.03	0.93	0.10	0.11		
		1998	1.78	1.46	0.32 ¹	0.22		
GRADTAA	TA duties: student email	0	55.08	56.72	-1.64	-0.03		
		1	44.92	43.28	1.64	0.04		
		GRADTAB	TA duties: grading	0	32.62	33.76	-1.14	-0.03
				1	67.38	66.24	1.14	0.02
		GRADTAC	TA duties: teaching	0	47.73	45.72	2.00	0.04
				1	52.27	54.28	-2.00	-0.04
		GRADTAD	TA duties: office hours	0	27.28	28.46	-1.18	-0.04
				1	72.72	71.54	1.18	0.02
		GRADTAE	TA duties: discussion	0	63.91	64.47	-0.56	-0.01
				1	36.09	35.53	0.56	0.02
GRADTAF	TA duties: lab	0	63.72	63.46	0.26	#		
		1	36.28	36.54	-0.26	-0.01		
GRASTUIT	Tuition paid by assistantship	0	30.55	33.14	-2.59	-0.08		
		1	69.45	66.86	2.59	0.04		
GRENRST	Graduate enrollment status (all years)	1	61.33	59.96	1.37	0.02		
		2	33.57	35.09	-1.52	-0.04		
		3	5.10	4.94	0.16	0.03		

See notes at end of table.

Table K-26. Evaluation of item nonresponse bias after imputation for categorical variables:
2004—Continued

Variable	Variable label	Category	Before imputation mean	After imputation mean	Estimated bias	Relative bias
HIGHLVEX	Highest level of education ever expected	1	0.51	0.56	-0.05	-0.09
		2	1.45	1.96	-0.52 ¹	-0.26
		3	6.58	7.07	-0.50 ¹	-0.07
		4	26.07	26.43	-0.36	-0.01
		5	1.12	1.09	0.03	0.03
		6	42.21	41.53	0.68 ¹	0.02
		7	15.92	15.48	0.43 ¹	0.03
		8	6.15	5.87	0.28 ¹	0.05
HOMEPAR	Parents own home	0	13.65	13.78	-0.13	-0.01
		1	86.35	86.22	0.13	#
HOMESTUD	Own home	0	47.67	51.56	-3.89 ¹	-0.08
		1	52.33	48.44	3.89 ¹	0.08
HSDEG	High school degree type	1	89.50	87.01	2.49 ¹	0.03
		2	6.46	6.37	0.08	0.01
		3	0.41	0.40	0.01	0.03
		4	1.76	4.41	-2.65 ¹	-0.60
		5	1.63	1.57	0.06	0.04
		6	0.24	0.23	0.01	0.04
HSTYPE	Type of high school attended	1	89.13	89.31	-0.18	#
		2	10.32	10.32	#	#
		3	0.55	0.37	0.18 ¹	0.49
JOBFFOR	Afford school without working	0	61.55	61.76	-0.21	#
		1	38.45	38.24	0.21	0.01
JOBCLASS	Job related to coursework	0	64.69	63.55	1.14 ¹	0.02
		1	35.31	36.45	-1.14 ¹	-0.03
JOBEFFA	Job helped with career preparation	0	61.87	62.27	-0.40	-0.01
		1	38.13	37.73	0.40	0.01
JOBEFFB	Job helped with coursework	0	84.35	84.95	-0.59 ¹	-0.01
		1	15.65	15.05	0.59 ¹	0.04
JOBEFFC	Job restricted class choice	0	64.77	64.31	0.46	0.01
		1	35.23	35.69	-0.46	-0.01
JOBEFFD	Job limited class schedule	0	50.36	49.51	0.84 ¹	0.02
		1	49.64	50.49	-0.84 ¹	-0.02
JOBEFFE	Job limited facility access	0	67.51	67.03	0.48	0.01
		1	32.49	32.97	-0.48	-0.01
JOBEFFF	Job limited number of classes	0	57.75	57.28	0.47	0.01
		1	42.25	42.72	-0.47	-0.01
JOBEFFGR	Effect of job on grades	1	20.61	20.52	0.09	#
		2	40.30	40.59	-0.30	-0.01
		3	39.10	38.89	0.21	0.01

See notes at end of table.

Table K-26. Evaluation of item nonresponse bias after imputation for categorical variables: 2004—Continued

Variable	Variable label	Category	Before imputation mean	After imputation mean	Estimated bias	Relative bias
JOBEMPL	Type of employer	1	7.83	7.55	0.27	0.04
		2	60.09	60.19	-0.10	#
		3	12.92	13.07	-0.16	-0.01
		4	11.84	12.09	-0.25	-0.02
		5	1.77	1.74	0.04	0.02
		6	5.55	5.35	0.20	0.04
JOBEXPT	Parents expect you to have a job	0	32.14	31.59	0.55 ¹	0.02
		1	67.86	68.41	-0.55 ¹	-0.01
JOBMAIN	Main reason for working	1	23.60	23.70	-0.10	#
		2	62.95	63.43	-0.48	-0.01
		3	7.96	7.65	0.31	0.04
		4	5.49	5.22	0.27	0.05
JOBMAJOR	Job related to major	0	54.21	54.71	-0.51	-0.01
		1	45.79	45.29	0.51	0.01
JOBONOFF	Job on or off campus	1	7.21	7.03	0.18	0.03
		2	90.65	90.84	-0.19	#
		3	2.14	2.13	0.01	#
JOBPRIOR	Had job prior to enrollment at NPSAS	0	38.22	38.00	0.22	0.01
		1	61.78	62.00	-0.22	#
JOBROLE	Working student/employee taking classes	1	60.98	60.95	0.03	#
		2	39.02	39.05	-0.03	#
JOBSCHA	Combine school and work: class outside work	0	18.84	18.58	0.26	0.01
		1	81.16	81.42	-0.26	#
JOBSCHB	Combine school and work: distance ed	0	79.89	79.31	0.57	0.01
		1	20.11	20.69	-0.57	-0.03
JOBSCHC	Combine school and work: modify schedule	0	63.65	63.99	-0.35	-0.01
		1	36.35	36.01	0.35	0.01
JOBSUMMR	Work during summer 2003	0	22.21	22.21	#	#
		1	77.79	77.79	#	#
JOBWEEK	Weeks worked while enrolled	1	63.03	63.40	-0.37	-0.01
		2	17.55	17.68	-0.13	-0.01
		3	8.32	8.09	0.23	0.03
		4	11.11	10.84	0.27	0.02
LOCALRES	Housing	0	15.62	12.45	3.17 ¹	0.25
		1	12.21	12.03	0.18	0.02
		2	45.88	48.10	-2.21 ¹	-0.05
		3	19.51	20.42	-0.91 ¹	-0.04
		4	6.78	7.01	-0.23 ¹	-0.03

See notes at end of table.

**Table K-26. Evaluation of item nonresponse bias after imputation for categorical variables:
2004—Continued**

Variable	Variable label	Category	Before imputation mean	After imputation mean	Estimated bias	Relative bias
MAJORS	Field of study/major (detailed)	0	10.66	10.76	-0.10	-0.01
		1	0.48	0.48	#	#
		2	0.30	0.30	#	#
		3	0.64	0.64	0.01	0.01
		4	0.24	0.23	#	0.02
		5	2.21	2.19	0.01	0.01
		6	0.58	0.57	0.01	0.01
		7	4.96	5.06	-0.11	-0.02
		8	1.43	1.44	-0.01	-0.01
		9	10.10	9.90	0.20 ¹	0.02
		10	3.52	3.48	0.04	0.01
		11	1.27	1.28	-0.01	-0.01
		12	0.55	0.53	0.02	0.04
		13	0.52	0.53	-0.01	-0.02
		14	1.45	1.39	0.06 ¹	0.05
		15	1.39	1.38	0.01	#
		16	4.53	4.56	-0.04	-0.01
		17	0.12	0.11	0.01	0.06
		18	2.56	2.54	0.02	0.01
		19	0.58	0.58	#	0.01
		20	0.02	0.02	#	-0.02
		21	0.35	0.36	-0.01	-0.03
		22	0.53	0.55	-0.02	-0.04
		23	0.39	0.38	0.01	0.02
		24	0.62	0.60	0.02	0.04
		25	0.80	0.78	0.02	0.02
		26	0.19	0.19	#	0.01
		27	3.13	3.13	#	#
		28	0.41	0.40	0.01	0.03
		29	1.42	1.41	0.01	0.01
		30	0.45	0.48	-0.03	-0.06
		31	0.98	0.99	-0.01	-0.01
		32	0.05	0.05	#	0.07
		33	0.24	0.25	-0.01	-0.04
		34	3.34	3.37	-0.03	-0.01
		35	13.51	13.56	-0.05	#
		36	17.49	17.55	-0.06	#
		37	1.10	1.12	-0.01	-0.01
		38	0.29	0.30	-0.01	-0.03
		39	2.26	2.29	-0.03	-0.01
		40	0.46	0.45	0.01	0.02
		41	0.20	0.19	0.01	0.05
		42	0.20	0.21	#	-0.01
		43	1.08	1.06	0.02	0.02
		44	1.00	1.00	#	#
		45	0.59	0.59	#	#
46	0.81	0.78	0.03 ¹	0.04		
MILTYPE	Military service type	0	94.56	94.77	-0.20 ¹	#
		1	0.50	0.57	-0.08 ¹	-0.14
		2	1.14	1.22	-0.08 ¹	-0.06
		3	3.80	3.44	0.36 ¹	0.10

See notes at end of table.

Appendix K. Nonresponse Bias Analysis

**Table K-26. Evaluation of item nonresponse bias after imputation for categorical variables:
2004—Continued**

Variable	Variable label	Category	Before imputation mean	After imputation mean	Estimated bias	Relative bias
NPFIRST	NPSAS was first school attended after high school	0	43.56	44.18	-0.62 ¹	-0.01
		1	56.44	55.82	0.62 ¹	0.01
OWNINVST	Own investments, business or farm over \$10,000	0	86.88	87.69	-0.81 ¹	-0.01
		1	13.12	12.31	0.81 ¹	0.07
PARBORN	Student's parents were born in the United States	1	18.04	18.16	-0.11	-0.01
		2	5.74	5.79	-0.05	-0.01
		3	76.21	76.05	0.17	#
PARCOLL	Parents taking college courses in 2003-2004	0	89.79	89.84	-0.05	#
		1	1.95	2.08	-0.13	-0.06
		2	8.26	8.08	0.18	0.02
PARESTA	Parents own other real estate	0	70.56	70.69	-0.13	#
		1	29.44	29.31	0.13	#
PARHELPA	Help from parents: housing	0	53.49	54.27	-0.78 ¹	-0.01
		1	46.51	45.73	0.78 ¹	0.02
PARHELPA	Help from parents: other educational expenses	0	46.43	46.89	-0.46	-0.01
		1	53.57	53.11	0.46	0.01
PARHELPC	Help from parents: other living expenses	0	45.21	45.45	-0.24	-0.01
		1	54.79	54.55	0.24	#
PARHELPD	Help from parents: tuition and fees	0	40.99	41.88	-0.89 ¹	-0.02
		1	59.01	58.12	0.89 ¹	0.02
PARLIVE	Lived with parents while not enrolled	0	36.25	39.08	-2.84 ¹	-0.07
		1	63.75	60.92	2.84 ¹	0.05
PARPAYCR	Parents help pay credit bills	0	75.59	75.46	0.13	#
		1	24.41	24.54	-0.13	-0.01
PAYOFBAL	Payoff or carry credit balance	1	58.15	58.55	-0.39	-0.01
		2	41.85	41.45	0.39	0.01
PAYTUIT	Use credit to pay for tuition	0	80.49	81.02	-0.54	-0.01
		1	19.51	18.98	0.54	0.03
PDADED	Father's highest education level	0	7.76	7.58	0.19 ¹	0.02
		1	11.40	11.37	0.03	#
		2	32.06	31.93	0.13	#
		3	3.91	3.95	-0.04	-0.01
		4	4.63	5.56	-0.93 ¹	-0.17
		5	3.78	4.49	-0.71 ¹	-0.16
		6	3.03	3.69	-0.66 ¹	-0.18
		7	14.50	17.25	-2.75 ¹	-0.16
		8	7.30	8.84	-1.54 ¹	-0.17
		9	1.67	1.97	-0.30 ¹	-0.15
		10	2.86	3.38	-0.52 ¹	-0.15
	11	7.09	†	†	†	

See notes at end of table.

**Table K-26. Evaluation of item nonresponse bias after imputation for categorical variables:
2004—Continued**

Variable	Variable label	Category	Before imputation mean	After imputation mean	Estimated bias	Relative bias
PMOMED	Mother's highest education level	0	4.31	4.20	0.10	0.02
		1	10.44	10.38	0.05	0.01
		2	35.49	35.62	-0.13	#
		3	3.74	3.80	-0.06	-0.02
		4	5.71	6.84	-1.13 ¹	-0.17
		5	6.63	7.98	-1.35 ¹	-0.17
		6	3.34	3.98	-0.64 ¹	-0.16
		7	14.15	17.00	-2.85 ¹	-0.17
		8	7.07	8.32	-1.25 ¹	-0.15
		9	0.72	0.80	-0.08 ¹	-0.10
		10	0.91	1.07	-0.16 ¹	-0.15
		11	7.49	†	†	†
PRIMLANG	English as primary language	0	12.96	12.82	0.13	0.01
		1	87.04	87.18	-0.13	#
RAINDTRB	State/federally recognized tribe	0	70.49	64.84	5.65 ¹	0.09
		1	29.51	35.16	-5.65 ¹	-0.16
REMEDIA	Took remedial course: English	0	69.91	69.88	0.02	#
		1	30.09	30.12	-0.02	#
REMEDIB	Took remedial course: math	0	23.53	23.15	0.37	0.02
		1	76.47	76.85	-0.37	#
REMEDIC	Took remedial course: reading	0	72.07	72.02	0.05	#
		1	27.93	27.98	-0.05	#
REMEDID	Took remedial course: study skills	0	87.86	87.77	0.09	#
		1	12.14	12.23	-0.09	-0.01
REMEDIE	Took remedial course: writing	0	64.49	65.25	-0.77	-0.01
		1	35.51	34.75	0.77	0.02
REMETOOK	Took remedial courses this school year	0	49.78	51.93	-2.15 ¹	-0.04
		1	50.22	48.07	2.15 ¹	0.04
REMEVER	Ever taken remedial courses	0	65.90	65.69	0.22	#
		1	34.10	34.31	-0.22	-0.01
SERNEEDA	Adaptive equipment and technology	0	96.38	96.55	-0.17	#
		1	3.62	3.45	0.17	0.05
SERNEEDB	Alternative exam formats or additional time	0	89.97	90.05	-0.08	#
		1	10.03	9.95	0.08	0.01
SERNEEDC	Course substitution or waiver	0	95.48	95.42	0.06	#
		1	4.52	4.58	-0.06	-0.01
SERNEEDD	Readers, note takers, or scribes	0	95.13	95.17	-0.04	#
		1	4.87	4.83	0.04	0.01
SERNEEDE	Registration assistance or priority class registration	0	95.60	95.53	0.07	#
		1	4.40	4.47	-0.07	-0.02
SERNEEDF	Sign language or oral interpreters	0	98.57	98.42	0.15	#
		1	1.43	1.58	-0.15	-0.09
SERNEEDG	Tutors to assist with homework	0	90.56	90.98	-0.42	#
		1	9.44	9.02	0.42	0.05

See notes at end of table.

Table K-26. Evaluation of item nonresponse bias after imputation for categorical variables: 2004—Continued

Variable	Variable label	Category	Before imputation mean	After imputation mean	Estimated bias	Relative bias
SERNEEDX	Needs: other	0	93.84	93.60	0.24	#
		1	6.16	6.40	-0.24	-0.04
SERRECV A	Service: adaptive equipment and technology	0	96.17	96.24	-0.06	#
		1	3.83	3.76	0.06	0.02
SERRECV B	Service: alternative exam formats/additional time	0	87.57	88.06	-0.50	-0.01
		1	12.43	11.94	0.50	0.04
SERRECV C	Service: course substitution or waiver	0	98.39	98.55	-0.15	#
		1	1.61	1.45	0.15	0.10
SERRECV D	Service: readers, note takers, or scribes	0	95.29	95.52	-0.22	#
		1	4.71	4.48	0.22	0.05
SERRECV E	Service: registration priority or assistance	0	92.99	93.07	-0.09	#
		1	7.01	6.93	0.09	0.01
SERRECV F	Service: sign language or oral interpreters	0	99.44	99.45	-0.02	#
		1	0.56	0.55	0.02	0.03
SERRECV G	Service: tutors to assist with homework	0	90.79	90.50	0.28	#
		1	9.21	9.50	-0.28	-0.03
SERRECV X	Service: other	0	93.62	93.80	-0.18	#
		1	6.38	6.20	0.18	0.03
SIBCOLB4	Siblings in college before respondent	0	53.58	54.03	-0.45	-0.01
		1	46.42	45.97	0.45	0.01
SINCOL	Number in college (independent students)	0	45.04	43.31	1.73 ¹	0.04
		1	47.60	48.87	-1.27 ¹	-0.03
		2	6.44	6.83	-0.39 ¹	-0.06
		3	0.81	0.87	-0.07 ¹	-0.08
		4	0.10	0.11	-0.01	-0.09
		5	0.01	0.01	#	-0.02
		6	#	#	#	0.18
SJCOMSER	Work-study: community service	0	91.53	91.43	0.10	#
		1	8.47	8.57	-0.10	-0.01
SJMAJOR	Work study: related to major	0	57.78	58.57	-0.79	-0.01
		1	42.22	41.43	0.79	0.02
SJONOFF	Work study: on/off campus	1	79.08	80.29	-1.21 ¹	-0.02
		2	17.15	16.20	0.95	0.06
		3	3.77	3.51	0.25	0.07
SJSCHOOL	Work study: for school	1	83.78	85.16	-1.38 ¹	-0.02
		2	16.22	14.84	1.38 ¹	0.09
SJTUTOR	Work study: tutoring	0	78.59	78.16	0.43	0.01
		1	21.41	21.84	-0.43	-0.02
SPINCOL	Spouse in college	0	80.75	81.70	-0.95 ¹	-0.01
		1	9.55	8.85	0.70 ¹	0.08
		2	9.70	9.45	0.25	0.03

See notes at end of table.

**Table K-26. Evaluation of item nonresponse bias after imputation for categorical variables:
2004—Continued**

Variable	Variable label	Category	Before imputation mean	After imputation mean	Estimated bias	Relative bias
SSISSDI	Receive SSI/SSDI	0	92.60	92.59	0.01	#
		1	2.56	2.83	-0.27	-0.09
		3	3.87	3.60	0.26	0.07
		4	0.97	0.98	-0.01	-0.01
STUDMULT	Number of institutions attended	1	92.80	92.99	-0.19 ¹	#
		2	6.85	6.67	0.18 ¹	0.03
		3	0.32	0.31	0.01	0.05
		4	0.03	0.03	#	-0.08
		5	#	#	#	-0.22
TAXHOPE	Claim Federal Hope scholarship	0	61.72	62.05	-0.33	-0.01
		1	6.28	6.46	-0.19	-0.03
		2	32.01	31.49	0.52 ¹	0.02
TAXLEARN	Claim lifetime learning tax credit	0	58.92	59.34	-0.43	-0.01
		1	7.94	8.09	-0.15	-0.02
		2	33.14	32.56	0.58 ¹	0.02
TAXTUIT	Claim tuition tax deduction	0	48.86	49.13	-0.27	-0.01
		1	17.95	18.18	-0.24	-0.01
		2	33.19	32.69	0.50 ¹	0.02
TRANSCRD	Transferred credits to NPSAS	1	54.20	54.38	-0.18	#
		2	38.64	38.08	0.56	0.01
		3	7.16	7.54	-0.38	-0.05
TRANSFR	Transferred from NPSAS	0	70.21	70.91	-0.71	-0.01
		1	29.79	29.09	0.71	0.02
TRANSPLN	Plan to transfer from NPSAS	0	65.99	65.69	0.30	#
		1	34.01	34.31	-0.30	-0.01
TRANSTO	Transferred to NPSAS	0	66.48	66.41	0.07	#
		1	33.52	33.59	-0.07	#
UGDEGAA	Associate's degree types	1	67.31	67.20	0.11	#
		2	32.69	32.80	-0.11	#
UNTAXBF	Received untaxed benefits in 2003	0	86.65	86.43	0.22	#
		1	13.35	13.57	-0.22	-0.02
UNTAXBFA	Received child support	0	40.57	41.47	-0.90	-0.02
		1	59.43	58.53	0.90	0.02
UNTAXBFB	Received disability payments	0	80.29	66.26	14.03 ¹	0.21
		1	19.71	33.74	-14.03 ¹	-0.42
UNTAXBFC	Received food stamps	0	84.11	84.06	0.05	#
		1	15.89	15.94	-0.05	#
UNTAXBFD	Received social security benefits	0	81.78	81.79	-0.01	#
		1	18.22	18.21	0.01	#
UNTAXBFE	Received TANF	0	88.07	87.95	0.13	#
		1	11.93	12.05	-0.13	-0.01
UNTAXBFF	Received worker's compensation	0	92.70	88.93	3.77 ¹	0.04
		1	7.30	11.07	-3.77 ¹	-0.34

See notes at end of table.

Table K-26. Evaluation of item nonresponse bias after imputation for categorical variables: 2004—Continued

Variable	Variable label	Category	Before imputation mean	After imputation mean	Estimated bias	Relative bias
USBORN	Respondent born in the U.S.	0	6.52	6.66	-0.15	-0.02
		1	93.48	93.34	0.15	#
VOCAPPLY	Ever applied for Voc Rehab services	0	94.75	94.49	0.26	#
		1	5.25	5.51	-0.26	-0.05
VOCRECV	Ever received Voc Rehab services	0	83.32	83.23	0.09	#
		1	16.68	16.77	-0.09	-0.01
VOTEEVER	Ever vote	0	37.23	36.45	0.78 [†]	0.02
		1	62.77	63.55	-0.78 [†]	-0.01
VOTEREG	Registered to vote	0	17.53	17.36	0.16	0.01
		1	82.47	82.64	-0.16	#
YEARGRAD	Year began graduate school	1985	0.02	0.01	#	0.37
		1986	0.05	0.05	-0.01	-0.12
		1987	#	#	#	0.37
		1988	0.04	0.03	#	0.06
		1989	0.05	0.04	0.01	0.28
		1990	0.05	0.04	0.01	0.26
		1991	0.16	0.14	0.02	0.13
		1992	0.08	0.07	0.01	0.07
		1993	0.25	0.22	0.02	0.10
		1994	0.19	0.17	0.02	0.11
		1995	0.25	0.21	0.05	0.23
		1996	0.45	0.37	0.08	0.22
		1997	1.00	0.91	0.09	0.10
1998	1.73	1.76	-0.03	-0.02		
1999	3.22	4.06	-0.84	-0.21		
2000	6.42	6.35	0.07	0.01		
2001	14.52	14.51	0.02	#		
2002	26.71	25.93	0.78	0.03		
2003	38.14	38.10	0.04	#		
2004	6.68	7.02	-0.34	-0.05		

† Not applicable.

Bias is significant at the 0.05/(c-1) level, where c is the number of categories within the primary variable.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004 National Postsecondary Student Aid Study (NPSAS:04).

Appendix L
Details of the Bootstrap Variance Estimation

L.1 Background

The first stage sample of institutions was selected using a probability proportional to size (pps) sequential sampling scheme (Chromy 1981), and certain large institutions were selected with certainty (see section 2.1). In this application, sample selection of institutions was “without replacement” and selection of bootstrap samples for variance estimation used the same sampling methodology used for selecting the initial sample. Sampling of students is assumed to be with a low sampling fraction so that “with replacement” variance models provide a good approximation to the second stage (student) variance contribution. This is also consistent with treating the student population as infinite for the purposes of applying statistical tests based on normal distribution theory, which requires reference to a hypothetical infinite population.

The second stage design involved stratification of students within institutions and application of different sampling rates within the student strata (see section 2.1). For variance estimation purposes, replicates of the second stage sample were formed as discrete subsamples of the student sample ordered by stratum. Each student sample replicate could be considered as the sample resulting from applying the second stage design with a smaller overall student sample size. In most institutions, only two student sample replicates were formed; in some of the larger institutions, as many as eight student replicate samples were formed. All of the institutions with three or more student replicates were certainty institutions.

For discussion purposes, the sampling units are referred to as institutions at the first stage of sampling and as student replicates at the second stage of sampling. Because the student replicates are treated as being drawn with replacement, the effects of student stratification and weighting are incorporated in the weighted replicate subtotals and represented in the expectation of the variance estimates.

Software which accounts for the finite population correction (FPC) in two stage samples had been developed and written by Steve Kaufman at National Center for Education Statistics (NCES) and was adapted to the National Postsecondary Student Aid Study (NPSAS) application (Kaufman 2004). The discussion below addresses four steps of the software program and the general process followed to select bootstrap samples and compute replicate weights as applied to the NPSAS data:

1. Computation of the variance of an estimate for a variable whose value is known for all first stage frame elements.
2. Determination of the first stage bootstrap sample size based on comparisons to the variance calculated in step 1.
3. Determination of the second stage sample size for each bootstrap replicate selection.
4. Selection of the bootstrap samples and calculation of the associated replicate weights.

L.1.1 Step 1: Computation of the Variance of an Estimate for a Known Variable

The institution sampling frame created from Integrated Postsecondary Education Data System (IPEDS) (see section 2.1) included variables known for each institution. The total student enrollment from the frame was selected for the purposes of computing a variance for a simple linear estimate of a population total at the design stratum level.

Within each design stratum two or more institutions had been selected. The originally applied measures of size scaled to the sample size for the design stratum were also available on the complete frame. If more than three institutions had been selected from a design stratum, the frame was modified by forming substrata called analysis strata. Each analysis stratum was associated with, in most cases, two selected institutions; when a design stratum had an odd sample size, it was necessary to form one analysis stratum with three selected institutions (see section 6.4.1).

The Kaufman procedure formed exactly equal-sized strata with an accumulated size measure of 2 (or 3) by partitioning the measure of size for any institution whose accumulated measure of size exceeded 2 (or 3). This introduced some additional first stage units into the frame. In addition, within each analysis stratum, a similar partitioning was performed to form 2 (or 3) subgroups of equal size. It was then feasible to approximate the FPC factor within analysis stratum by applying the formula developed for Rao-Hartley-Cochran sample designs.¹ The frame-based variance of the total estimate was then computed within each analysis stratum by multiplying the “with replacement” variance estimate by the Rao-Harley-Cochran FPC factor. This design stratum level variance was then used in a subsequent step to select an appropriate design stratum bootstrap sample size that empirically reproduces this standard variance (within a reasonable approximation).

L.1.2 Step 2: Determination of First Stage Bootstrap Sample Sizes

For this step of the process, a pseudo sampling frame was formed from the observed sample by replicating each institutional respondent based on its assigned first stage sampling weight. Since the NPSAS application used only respondent institutions, the weight used for this purpose was adjusted for institution nonresponse. Each respondent institution and its measure of size was replicated on the pseudo frame based on a multiple of its “rounded up” first stage weight so that the sum of its repeated measures of size totaled exactly 1; the measure of size for the final replication was adjusted downward when the first stage weight was not an integer so that the sum of the measures of size for each institution was exactly 1.

This pseudo frame was then used to generate first stage samples using the same pps sequential sampling procedure used for selecting the NPSAS sample from the complete frame. A range of sample sizes was specified in advance for each design stratum and 100 first stage bootstrap samples were selected for each sample size and used to compute a bootstrap variance estimate for the linear statistic selected for comparison with the standard variance computed in step 1. If the specified range included feasible values, then this process was able to bracket standard variances with empirical bootstrap variances based on two different sample sizes. Once the standard variance was bracketed, simple linear interpolation was used to compute the proportional position of the standard variance between the bracketed values. This proportion was then compared to a randomly drawn uniform random number to select one of the integer valued bootstrap sample sizes. The bracketing sample sizes were not always consecutive. The following notation is useful for discussing the general results of applying the algorithm. Let n_{1h} = the number of institutions selected in design stratum h (first stage sample), m_{1h}^* = the first stage bootstrap sample size for design stratum h, and m_{1hi}^* = the number of times institution i in design

¹ See Kaufman (1999) for a discussion of the rationale for this approach.

stratum h is actually selected in a particular bootstrap sample. Then the first stage (institution level) bootstrap sample weight is then computed as an adjustment to the initial weight as

$$w_{hi}^* = w_{hi} \frac{n_{1h}}{m_{1h}^*} m_{1hi}^*.$$

Note that for certainty strata, the first stage sample was preserved and both the initial institution weight and the adjusted institution weight were exactly 1.

L.1.3 Step 3: Determination of the Second Stage Bootstrap Sample Sizes

Since second stage units were defined as replicate subsamples from the sample of students selected within each institution and ‘with replacement’ sampling was assumed as a reasonable approximation to the low sampling rate, the second stage bootstrap sample sizes were just one less than the initial sample multiplied by the first stage bootstrap weight. If we let n_{2hi} = the number of student replicates initially selected at institution i in design stratum h , then second-stage bootstrap sample was computed as

$$m_{2hi}^* = w_{1hi}^* (n_{2hi} - 1).$$

The resulting number was randomly rounded to an integer value.²

L.1.4 Step 4: Selection of Bootstrap Samples and Computation of Replicate Weights

The first stage replicate samples were selected using pps sequential sampling using the first stage bootstrap sample sizes. For institutions selected one or more times at the first stage of bootstrap sample selection for a particular replicate, student replicates were selected with equal probability and ‘with replacement’ using the second stage bootstrap sample size for that institution. Note that in certainty institutions, the second-stage bootstrap sample size was always just one less than the original sample. Much larger second stage samples were selected in institutions with smaller first stage sampling rates.

L.2 Overall Weight Adjustment

The overall weight adjustments for the k -th student in student replicate hij received a bootstrap replicate weight based on a particular bootstrap sample outcome by adjusting the individual’s initial weight as

$$w_{hijk}^* = w_{hijk} \frac{n_{1h}}{m_{1h}^*} m_{1hi}^* \frac{n_{2hi}}{m_{2hi}^*} m_{2hij}^*.$$

Note that this adjustment incorporates adjustments at both stages of bootstrap sampling.

² The formula generally produces a non-integer result. The number is increased to the next highest integer with probability proportional to the fractional component of the number (e.g., for 1.73, the number would be increased to 2 with probability 0.73). Otherwise the number is decreased to the next smallest integer (e.g., for 1.73, the number would be decreased to 1 with probability 0.27).

L.3 Number of Bootstrap Replicates

The bootstrap sampling process was repeated 100 times, but only the first 64 samples were used to compute replicate weights. This decision was based on studying the stability of the bootstrap variance estimate as the number of replicates was increased. Only small changes in the values of the bootstrap variance estimates were observed after the number of replicates exceeded about 55.

L.4 Appendix L References

- Chromy, J.R. (1981). Variance Estimators for a Sequential Sample Selection Procedure. In. D. Krewski, R. Platek, and J.N.K. Rao (Eds.), *Current Top IMS in Survey Sampling* (pp. 329-347). New York: Academic Press.
- Kaufman, S. (1999). Using the Bootstrap to Estimate the Variance from a Single Systematic PPS Sample. *Proceedings of the Survey Research Methods Section, American Statistical Association*.
- Kaufman, S. (2004). Using the Bootstrap in a Two-Stage Design when Some Second-Stage Strata have only One Unit Allocated. *Proceedings of the American Statistical Association, Section on Survey Research Methods*.

Appendix M

Weighted Analysis Considerations

The National Postsecondary Student Aid Study 2004 (NPSAS:04) sampling design was a stratified two-stage design. A stratified sample of postsecondary institutions was selected with probabilities proportional to a composite measure of size at the first stage, and a stratified systematic sample of students was selected from sample institutions at the second stage. At the first stage, about 25 percent of the eligible institutions were selected, but the institution sampling rates varied considerably by institutional sampling strata.¹ Institutions were oversampled in the 12 states with representative samples of undergraduate students in three sectors. At the second stage, first-time beginners (FTBs) and undergraduate students in the 12 states were sampled at higher rates than other students. Because of this complex sampling design, statistical analyses should be conducted using software that properly accounts for the complex survey design.

Most commonly used statistical computing packages (e.g., SAS and SPSS) assume that data are obtained from a simple random sample; that is, they assume that the observations are independent and identically distributed. When the data have been collected using a complex sampling design, the simple random sampling assumption usually leads to an underestimate of the sampling variance, which would lead to artificially small confidence intervals and liberal hypothesis test results (i.e., rejecting the null hypothesis when it is in fact true more often than indicated by the nominal Type I error level) (Carlson, Johnson, and Cohen 1993).

Statistical strategies that have been developed to address this issue include: first-order Taylor series expansion of the variance equation; bootstrap replication; balanced repeated replication; and the Jackknife approach (see, e.g., Wolter 1985). Special-purpose software packages that have been developed for analysis of complex sample survey data include SUDAAN, WesVar, and Stata. Evaluations of the relative performances of these packages are reported by Cohen (1997).

- SUDAAN is a commercial product developed by RTI; information regarding the features of this package and its lease terms is available from the website <http://www.rti.org/sudaan>.
- WesVar is a product of Westat, Inc.; information regarding the features of this package and its lease terms is available from the website <http://www.westat.com/wesvar>.
- Information regarding the features of Stata and its lease terms is available from the website <http://www.stata.com>.
- The National Center for Education Statistics (NCES) has also developed a software tool called the Data Analysis System (DAS) for analysis of complex survey data. Information about using the DAS is available from the website <http://nces.ed.gov/das>.

When computing standard errors using Taylor Series approximation, analysts should use the variables ANALSTR and ANALPSU in specifying analysis strata and analysis PSUs (primary sampling units). This method of variance estimation may overestimate the variance because it does not always account for the finite population correction (FPC) at the institution stage of sampling. Additionally, the analyst should specify the study weights (STUDYWT).

¹ From about 6 percent for two national sample strata to 100 percent for two national sample strata and several state sample strata. See chapter 2 for more details.

Below is an example of generic SUDAAN code to produce estimates and standard errors using Taylor Series approximation and not accounting for the FPC. The symbols /* and */ in the code indicate the beginning and end of a comment. Note that the dataset must be sorted by analysis strata and analysis PSUs.

```
PROC DESCRIPT DATA=/* INSERT FILENAME */ DESIGN=WOR;
NEST ANALSTR ANALPSU;
WEIGHT STUDYWT;
VAR /* INSERT VARIABLES */;
SUBPOPN /* INSERT DOMAIN OF INTEREST */;
PRINT NSUM MEAN SEMEAN / STYLE=NCHS;
RUN;
```

When computing standard errors using Taylor Series approximation, the analyst could alternatively use the variables FANALSTR, FANALPSU, FANALSSU, and PSUCOUNT in specifying analysis strata, analysis PSUs, analysis SSUs (secondary sampling units), and estimated number of PSUs in the stratum. This method of variance estimation accounts for the FPC at the institution stage of sampling.

Below is an example of generic SUDAAN code to produce estimates and standard errors using Taylor Series approximation accounting for the fpc. The symbols /* and */ in the code indicate the beginning and end of a comment. Note that the dataset must be sorted by analysis strata, analysis PSUs, and analysis SSUs.

```
PROC DESCRIPT DATA=/* INSERT FILENAME */ DESIGN=WOR;
NEST FANALSTR FANALPSU FANALSSU;
TOTCNT PSUCOUNT _MINUS1__ _ZERO_;
WEIGHT STUDYWT;
VAR /* INSERT VARIABLES */;
SUBPOPN /* INSERT DOMAIN OF INTEREST */;
PRINT NSUM MEAN SEMEAN / STYLE=NCHS;
RUN;
```

When computing standard errors using bootstrap replication, the analyst should specify the bootstrap weights BOOTWT01 – BOOTWT64 in addition to specifying STUDYWT.

Below is an example of generic SUDAAN code to produce estimates and standard errors using bootstrap replication. The symbols /* and */ in the code indicate the beginning and end of a comment. Note that the dataset does not need to be sorted.

```
PROC DESCRIPT DATA=/* INSERT FILENAME */ DESIGN=BRR;  
REPWGT BOOTWT01-BOOTWT64;  
WEIGHT STUDYWT;  
VAR /* INSERT VARIABLES */;  
SUBPOPN /* INSERT DOMAIN OF INTEREST */;  
PRINT NSUM MEAN SEMEAN / STYLE=NCHS;  
RUN;
```

If one must perform a quick analysis of NPSAS:04 data without using one of the software packages for analysis of complex survey data, the design effects tables in appendix N can be used to make approximate adjustments to the standard errors of survey statistics computed using the standard software packages that assume simple random sampling designs. For example, table N-2 shows design effects (DEFFs) and square roots of design effects (DEFTs) for male undergraduate students. If one had computed a statistic (e.g., mean Pell grant amount) for this domain of students, then the summary statistics from table N-2 suggest that the standard error computed from the statistical software package should be multiplied by a survey DEFT of about 1.87 (the median for this domain). However, the range of DEFTs shown in table N-2 for this domain is from 1.30 to 2.78. Therefore, one cannot be confident regarding the actual design-based standard error without performing the analysis using one of the software packages specifically designed for analysis of data from complex sample surveys.

Appendix M References

- Carlson, B.L., Johnson, A.E., and Cohen, S.B. (1993). An Evaluation of the Use of Personal Computers for Variance Estimation with Complex Survey Data. *Journal of Official Statistics*, 9(4): 795-814.
- Cohen, S.B. (1997). An Evaluation of Alternative PC-Based Software Packages Developed for the Analysis of Complex Survey Data. *The American Statistician*, 57(13): 285-292.
- Wolter, K. (1985). *Introduction to Variance Estimation*, Springer-Verlag: New York, NY.

Appendix N

Design Effects

Table N-1. Design effects for all undergraduate students: 2004

Variable	Defined as	Percent estimate	Design standard error	Simple random sample standard error	DEFT	DEFF
Received any aid	TOTAID>0	63.24	0.36	0.17	2.13	4.55
Received any federal aid	ANYFED=1	46.38	0.27	0.18	1.50	2.26
Received any state grant aid	ANYSTGRT=1	14.67	0.39	0.13	3.08	9.51
Received any institution grant aid	ANYINSTG=1	17.56	0.42	0.13	3.10	9.59
Received any work-study aid	ANYWKST=1	7.54	0.22	0.09	2.36	5.57
Received a Pell grant	ANYPELL=1	26.76	0.17	0.16	1.06	1.12
Received a Stafford loan	ANYSTAF=1	33.18	0.23	0.17	1.38	1.89
Subsidized	STAFSUB>0	27.69	0.22	0.16	1.39	1.93
Unsubsidized	STAFUNSB>0	20.65	0.18	0.14	1.22	1.50
Married	SMARITAL=2	21.29	0.40	0.14	2.77	7.67
U.S. citizen	CITIZEN2=1	92.86	0.24	0.09	2.63	6.93
Enrolled exclusively full-time	ATTNPTRN=1	48.91	0.61	0.18	3.43	11.75
Enrolled part-time or part-year	ATTNSTAT IN (3, 4, 5, 6)	58.94	0.49	0.17	2.82	7.95
Received any employer aid	ANYEMP=1	7.01	0.17	0.09	1.85	3.41
Worked while in school	JOBENR IN (2,3)	74.19	0.28	0.15	1.81	3.29
Worked full-time while in school	JOBENR = 3	32.74	0.35	0.17	2.12	4.50
Worked part-time while in school	JOBENR = 2	41.44	0.36	0.17	2.04	4.17
Principal job in 2003–04 related to major	JOBMAJOR=1	23.54	0.33	0.15	2.19	4.82
Registered to vote	VOTEREG=1	79.51	0.30	0.14	2.12	4.48
Has a disability	DISABLE=1	11.32	0.19	0.11	1.72	2.96
Attended more than one institution in 2003–04	STUDMULT>1	7.50	0.16	0.09	1.70	2.91
Has dependents other than a spouse	DEPANY=1	27.12	0.42	0.16	2.66	7.09
U.S. Armed Forces veteran	VETERAN=1	3.39	0.16	0.06	2.42	5.88
Ever attended a community college	EVER2PUB=1	68.13	0.26	0.16	1.60	2.57
Summary statistics						
Minimum	†	†	†	†	1.06	1.12
25th percentile	†	†	†	†	1.65	2.74
Median	†	†	†	†	2.12	4.49
75th percentile	†	†	†	†	2.65	7.01
Maximum	†	†	†	†	3.43	11.75

† Not applicable.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004 National Postsecondary Student Aid Study (NPSAS:04).

Table N-2. Design effects for male undergraduate students: 2004

Variable	Defined as	Percent estimate	Design standard error	Simple random sample standard error	DEFT	DEFF
Received any aid	TOTAID>0	60.61	0.54	0.27	2.01	4.03
Received any federal aid	ANYFED=1	41.99	0.46	0.27	1.68	2.83
Received any state grant aid	ANYSTGRT=1	12.94	0.36	0.19	1.95	3.79
Received any institution grant aid	ANYINSTG=1	17.15	0.55	0.21	2.61	6.81
Received any work-study aid	ANYWKST=1	7.40	0.24	0.15	1.67	2.79
Received a Pell grant	ANYPELL=1	22.02	0.38	0.23	1.66	2.76
Received a Stafford loan	ANYSTAF=1	31.48	0.45	0.26	1.73	3.00
Subsidized	STAFSUB>0	25.95	0.42	0.24	1.73	3.01
Unsubsidized	STAFUNSB>0	19.24	0.32	0.22	1.45	2.09
Married	SMARITAL=2	19.08	0.61	0.22	2.78	7.73
U.S. citizen	CITIZEN2=1	92.69	0.33	0.14	2.27	5.17
Enrolled exclusively full-time	ATTNPTRN=1	51.83	0.72	0.28	2.59	6.71
Enrolled part-time or part-year	ATTNSTAT IN (3, 4, 5, 6)	57.26	0.60	0.27	2.19	4.78
Received any employer aid	ANYEMP=1	6.94	0.29	0.14	2.02	4.09
Worked while in school	JOBENR IN (2,3)	73.79	0.40	0.24	1.63	2.65
Worked full-time while in school	JOBENR = 3	32.78	0.51	0.26	1.96	3.83
Worked part-time while in school	JOBENR = 2	41.01	0.46	0.27	1.70	2.87
Principal job in 2003–04 related to major	JOBMAJOR=1	22.19	0.42	0.23	1.81	3.27
Registered to vote	VOTEREG=1	79.37	0.44	0.22	1.94	3.76
Has a disability	DISABLE=1	11.23	0.29	0.18	1.68	2.83
Attended more than one institution in 2003–04	STUDMULT>1	6.89	0.18	0.14	1.30	1.70
Has dependents other than a spouse	DEPANY=1	19.15	0.47	0.22	2.14	4.58
U.S. Armed Forces veteran	VETERAN=1	6.25	0.29	0.13	2.14	4.58
Ever attended a community college	EVER2PUB=1	66.35	0.45	0.26	1.71	2.93
Summary statistics						
Minimum	†	†	†	†	1.30	1.70
25th percentile	†	†	†	†	1.68	2.83
Median	†	†	†	†	1.87	3.51
75th percentile	†	†	†	†	2.14	4.58
Maximum	†	†	†	†	2.78	7.73

† Not applicable.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004 National Postsecondary Student Aid Study (NPSAS:04).

Table N-3. Design effects for female undergraduate students: 2004

Variable	Defined as	Percent estimate	Design standard error	Simple random sample standard error	DEFT	DEFF
Received any aid	TOTAID>0	65.18	0.41	0.22	1.87	3.51
Received any federal aid	ANYFED=1	49.60	0.37	0.23	1.62	2.63
Received any state grant aid	ANYSTGRT=1	15.93	0.45	0.17	2.66	7.05
Received any institution grant aid	ANYINSTG=1	17.85	0.42	0.18	2.37	5.60
Received any work-study aid	ANYWKST=1	7.64	0.25	0.12	2.06	4.26
Received a Pell grant	ANYPELL=1	30.24	0.28	0.21	1.31	1.72
Received a Stafford loan	ANYSTAF=1	34.44	0.34	0.22	1.58	2.49
Subsidized	STAFSUB>0	28.97	0.34	0.21	1.62	2.63
Unsubsidized	STAFUNSB>0	21.68	0.31	0.19	1.61	2.60
Married	SMARITAL=2	22.91	0.40	0.19	2.09	4.39
U.S. citizen	CITIZEN2=1	92.99	0.24	0.12	2.04	4.14
Enrolled exclusively full-time	ATTNPTRN=1	46.77	0.61	0.23	2.67	7.11
Enrolled part-time or part-year	ATTNSTAT IN (3, 4, 5, 6)	60.17	0.52	0.23	2.32	5.36
Received any employer aid	ANYEMP=1	7.06	0.16	0.12	1.40	1.96
Worked while in school	JOBENR IN (2,3)	74.48	0.31	0.20	1.55	2.40
Worked full-time while in school	JOBENR = 3	32.72	0.40	0.22	1.87	3.49
Worked part-time while in school	JOBENR = 2	41.76	0.43	0.23	1.88	3.52
Principal job in 2003–04 related to major	JOBMAJOR=1	24.53	0.36	0.20	1.82	3.30
Registered to vote	VOTEREG=1	79.62	0.31	0.19	1.68	2.83
Has a disability	DISABLE=1	11.38	0.22	0.15	1.50	2.26
Attended more than one institution in 2003–04	STUDMULT>1	7.96	0.21	0.12	1.68	2.82
Has dependents other than a spouse	DEPANY=1	32.97	0.50	0.22	2.33	5.43
U.S. Armed Forces veteran	VETERAN=1	1.29	0.10	0.05	1.84	3.38
Ever attended a community college	EVER2PUB=1	69.44	0.35	0.21	1.65	2.71
Summary statistics						
Minimum	†	†	†	†	1.31	1.72
25th percentile	†	†	†	†	1.62	2.61
Median	†	†	†	†	1.83	3.34
75th percentile	†	†	†	†	2.08	4.32
Maximum	†	†	†	†	2.67	7.11

† Not applicable.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004 National Postsecondary Student Aid Study (NPSAS:04).

Table N-4. Design effects for students at less-than-2-year institutions: 2004

Variable	Defined as	Percent estimate	Design standard error	Simple random sample standard error	DEFT	DEFF
Received any aid	TOTAID>0	77.83	0.79	0.42	1.87	3.49
Received any federal aid	ANYFED=1	66.77	0.50	0.48	1.04	1.09
Received any state grant aid	ANYSTGRT=1	3.25	0.35	0.18	1.96	3.85
Received any institution grant aid	ANYINSTG=1	5.30	0.73	0.23	3.22	10.37
Received any work-study aid	ANYWKST=1	2.15	0.19	0.15	1.27	1.61
Received a Pell grant	ANYPELL=1	47.70	0.46	0.51	0.91	0.83
Received a Stafford loan	ANYSTAF=1	47.42	0.46	0.51	0.91	0.84
Subsidized	STAFSUB>0	45.20	0.41	0.51	0.82	0.67
Unsubsidized	STAFUNSB>0	38.31	0.50	0.49	1.02	1.04
Married	SMARITAL=2	24.90	0.67	0.44	1.52	2.30
U.S. citizen	CITIZEN2=1	88.38	0.54	0.33	1.66	2.75
Enrolled exclusively full-time	ATTNPTRN=1	73.49	1.05	0.45	2.33	5.45
Enrolled part-time or part-year	ATTNSTAT IN (3, 4, 5, 6)	73.08	0.66	0.45	1.46	2.12
Received any employer aid	ANYEMP=1	6.57	0.45	0.25	1.77	3.13
Worked while in school	JOBENR IN (2,3)	66.43	0.68	0.48	1.43	2.03
Worked full-time while in school	JOBENR = 3	35.57	0.66	0.49	1.35	1.83
Worked part-time while in school	JOBENR = 2	30.86	0.61	0.47	1.30	1.69
Principal job in 2003–04 related to major	JOBMAJOR=1	20.77	0.52	0.41	1.27	1.61
Registered to vote	VOTEREG=1	75.33	0.61	0.44	1.39	1.93
Has a disability	DISABLE=1	12.77	0.51	0.34	1.51	2.28
Attended more than one institution in 2003–04	STUDMULT>1	3.97	0.22	0.20	1.11	1.23
Has dependents other than a spouse	DEPANY=1	44.98	0.71	0.51	1.41	1.98
U.S. Armed Forces veteran	VETERAN=1	3.07	0.30	0.18	1.69	2.85
Ever attended a community college	EVER2PUB=1	40.91	0.51	0.50	1.02	1.03
Summary statistics						
Minimum	†	†	†	†	0.82	0.67
25th percentile	†	†	†	†	1.08	1.16
Median	†	†	†	†	1.40	1.95
75th percentile	†	†	†	†	1.67	2.80
Maximum	†	†	†	†	3.22	10.37

† Not applicable.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004 National Postsecondary Student Aid Study (NPSAS:04).

Table N-5. Design effects for students at public 2-year institutions: 2004

Variable	Defined as	Percent estimate	Design standard error	Simple random sample standard error	DEFT	DEFF
Received any aid	TOTAID>0	48.09	0.79	0.31	2.58	6.66
Received any federal aid	ANYFED=1	30.83	0.53	0.28	1.88	3.52
Received any state grant aid	ANYSTGRT=1	10.91	0.58	0.19	2.99	8.97
Received any institution grant aid	ANYINSTG=1	7.24	0.49	0.16	3.09	9.56
Received any work-study aid	ANYWKST=1	3.65	0.22	0.12	1.89	3.59
Received a Pell grant	ANYPELL=1	22.92	0.35	0.26	1.36	1.84
Received a Stafford loan	ANYSTAF=1	13.40	0.39	0.21	1.88	3.52
Subsidized	STAFSUB>0	11.06	0.35	0.19	1.83	3.35
Unsubsidized	STAFUNSB>0	7.73	0.24	0.16	1.44	2.06
Married	SMARITAL=2	26.79	0.65	0.27	2.39	5.71
U.S. citizen	CITIZEN2=1	91.72	0.47	0.17	2.74	7.53
Enrolled exclusively full-time	ATTNPTRN=1	31.21	0.94	0.29	3.28	10.75
Enrolled part-time or part-year	ATTNSTAT IN (3, 4, 5, 6)	76.10	0.70	0.26	2.65	7.03
Received any employer aid	ANYEMP=1	7.50	0.24	0.16	1.48	2.18
Worked while in school	JOBENR IN (2,3)	78.64	0.36	0.25	1.43	2.06
Worked full-time while in school	JOBENR = 3	40.13	0.60	0.30	1.98	3.90
Worked part-time while in school	JOBENR = 2	38.51	0.60	0.30	2.01	4.05
Principal job in 2003–04 related to major	JOBMAJOR=1	22.37	0.43	0.26	1.69	2.85
Registered to vote	VOTEREG=1	78.63	0.54	0.25	2.14	4.59
Has a disability	DISABLE=1	12.20	0.31	0.20	1.52	2.31
Attended more than one institution in 2003–04	STUDMULT>1	9.45	0.30	0.18	1.64	2.68
Has dependents other than a spouse	DEPANY=1	34.59	0.61	0.29	2.09	4.37
U.S. Armed Forces veteran	VETERAN=1	3.93	0.24	0.12	1.98	3.93
Ever attended a community college	EVER2PUB=1	100.00	0.00	0.00	†	†
Summary statistics						
Minimum	†	†	†	†	1.36	1.84
25th percentile	†	†	†	†	1.64	2.68
Median	†	†	†	†	1.98	3.90
75th percentile	†	†	†	†	2.58	6.66
Maximum	†	†	†	†	3.28	10.75

† Not applicable.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004 National Postsecondary Student Aid Study (NPSAS:04).

Table N-6. Design effects for undergraduate students at 4-year non-doctorate-granting/first-professional institutions: 2004

Variable	Defined as	Percent estimate	Design standard error	Simple random sample standard error	DEFT	DEFF
Received any aid	TOTAID>0	75.31	1.08	0.34	3.14	9.87
Received any federal aid	ANYFED=1	58.11	0.94	0.39	2.38	5.65
Received any state grant aid	ANYSTGRT=1	21.13	1.05	0.33	3.22	10.38
Received any institution grant aid	ANYINSTG=1	29.20	1.63	0.36	4.50	20.23
Received any work-study aid	ANYWKST=1	13.58	0.92	0.27	3.39	11.47
Received a Pell grant	ANYPELL=1	29.43	0.98	0.36	2.71	7.33
Received a Stafford loan	ANYSTAF=1	47.15	1.15	0.40	2.89	8.33
Subsidized	STAFSUB>0	38.88	0.97	0.39	2.50	6.25
Unsubsidized	STAFUNSB>0	27.00	0.84	0.35	2.36	5.58
Married	SMARITAL=2	19.77	1.09	0.32	3.42	11.71
U.S. citizen	CITIZEN2=1	94.37	0.43	0.18	2.31	5.35
Enrolled exclusively full-time	ATTNPTRN=1	59.06	1.67	0.39	4.25	18.05
Enrolled part-time or part-year	ATTNSTAT IN (3, 4, 5, 6)	45.52	1.54	0.40	3.89	15.10
Received any employer aid	ANYEMP=1	7.81	0.46	0.21	2.14	4.57
Worked while in school	JOBENR IN (2,3)	72.28	0.77	0.36	2.15	4.61
Worked full-time while in school	JOBENR = 3	29.63	1.30	0.36	3.57	12.73
Worked part-time while in school	JOBENR = 2	42.65	0.87	0.39	2.22	4.91
Principal job in 2003–04 related to major	JOBMAJOR=1	25.84	0.91	0.35	2.61	6.84
Registered to vote	VOTEREG=1	81.36	0.62	0.31	2.00	4.01
Has a disability	DISABLE=1	11.15	0.42	0.25	1.67	2.80
Attended more than one institution in 2003–04	STUDMULT>1	6.38	0.31	0.19	1.59	2.52
Has dependents other than a spouse	DEPANY=1	23.01	1.11	0.34	3.30	10.86
U.S. Armed Forces veteran	VETERAN=1	3.48	0.40	0.15	2.75	7.54
Ever attended a community college	EVER2PUB=1	43.99	1.03	0.40	2.59	6.72
Summary statistics						
Minimum	†	†	†	†	1.59	2.52
25th percentile	†	†	†	†	2.27	5.13
Median	†	†	†	†	2.66	7.08
75th percentile	†	†	†	†	3.34	11.16
Maximum	†	†	†	†	4.50	20.23

† Not applicable.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004 National Postsecondary Student Aid Study (NPSAS:04).

Table N-7. Design effects for undergraduate students at 4-year doctorate-granting/first-professional institutions: 2004

Variable	Defined as	Percent estimate	Design standard error	Simple random sample standard error	DEFT	DEFF
Received any aid	TOTAID>0	71.45	0.56	0.32	1.78	3.15
Received any federal aid	ANYFED=1	52.80	0.64	0.35	1.82	3.32
Received any state grant aid	ANYSTGRT=1	18.10	0.40	0.27	1.50	2.24
Received any institution grant aid	ANYINSTG=1	29.47	0.72	0.32	2.26	5.13
Received any work-study aid	ANYWKST=1	11.19	0.41	0.22	1.85	3.42
Received a Pell grant	ANYPELL=1	23.37	0.65	0.30	2.19	4.80
Received a Stafford loan	ANYSTAF=1	44.32	0.68	0.35	1.94	3.75
Subsidized	STAFSUB>0	34.96	0.63	0.33	1.88	3.54
Unsubsidized	STAFUNSB>0	24.83	0.52	0.30	1.71	2.92
Married	SMARITAL=2	11.20	0.47	0.22	2.12	4.48
U.S. citizen	CITIZEN2=1	94.10	0.25	0.17	1.52	2.32
Enrolled exclusively full-time	ATTNPTRN=1	64.29	0.94	0.34	2.79	7.76
Enrolled part-time or part-year	ATTNSTAT IN (3, 4, 5, 6)	37.82	0.69	0.34	2.01	4.05
Received any employer aid	ANYEMP=1	4.60	0.21	0.15	1.42	2.01
Worked while in school	JOBENR IN (2,3)	67.75	0.61	0.33	1.85	3.41
Worked full-time while in school	JOBENR = 3	17.86	0.45	0.27	1.67	2.79
Worked part-time while in school	JOBENR = 2	49.88	0.48	0.35	1.36	1.85
Principal job in 2003–04 related to major	JOBMAJOR=1	21.53	0.46	0.29	1.60	2.56
Registered to vote	VOTEREG=1	79.75	0.35	0.28	1.25	1.55
Has a disability	DISABLE=1	9.32	0.24	0.20	1.16	1.34
Attended more than one institution in 2003–04	STUDMULT>1	6.23	0.23	0.17	1.35	1.82
Has dependents other than a spouse	DEPANY=1	11.05	0.52	0.22	2.37	5.63
U.S. Armed Forces veteran	VETERAN=1	1.53	0.12	0.09	1.38	1.89
Ever attended a community college	EVER2PUB=1	40.67	0.73	0.34	2.11	4.46
Summary statistics						
Minimum	†	†	†	†	1.16	1.34
25th percentile	†	†	†	†	1.46	2.13
Median	†	†	†	†	1.80	3.23
75th percentile	†	†	†	†	2.06	4.25
Maximum	†	†	†	†	2.79	7.76

† Not applicable.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004 National Postsecondary Student Aid Study (NPSAS:04).

Table N-8. Design effects for undergraduate students at public 4-year non-doctorate-granting/first-professional institutions: 2004

Variable	Defined as	Percent estimate	Design standard error	Simple random sample standard error	DEFT	DEFF
Received any aid	TOTAID>0	67.60	1.72	0.53	3.22	10.39
Received any federal aid	ANYFED=1	52.86	1.60	0.57	2.81	7.91
Received any state grant aid	ANYSTGRT=1	19.12	1.37	0.45	3.06	9.36
Received any institution grant aid	ANYINSTG=1	15.41	1.29	0.41	3.12	9.76
Received any work-study aid	ANYWKST=1	8.53	0.82	0.32	2.56	6.54
Received a Pell grant	ANYPELL=1	28.78	1.35	0.52	2.60	6.78
Received a Stafford loan	ANYSTAF=1	40.48	1.45	0.56	2.59	6.70
Subsidized	STAFSUB>0	32.10	1.26	0.53	2.37	5.61
Unsubsidized	STAFUNSB>0	23.08	1.06	0.48	2.21	4.87
Married	SMARITAL=2	18.47	1.48	0.44	3.34	11.17
U.S. citizen	CITIZEN2=1	93.88	0.59	0.27	2.16	4.67
Enrolled exclusively full-time	ATTNPTRN=1	54.56	2.14	0.57	3.77	14.22
Enrolled part-time or part-year	ATTNSTAT IN (3, 4, 5, 6)	45.09	2.07	0.57	3.63	13.21
Received any employer aid	ANYEMP=1	5.56	0.45	0.26	1.74	3.02
Worked while in school	JOBENR IN (2,3)	74.54	1.02	0.50	2.06	4.24
Worked full-time while in school	JOBENR = 3	27.96	1.55	0.51	3.02	9.10
Worked part-time while in school	JOBENR = 2	46.58	1.00	0.57	1.76	3.09
Principal job in 2003–04 related to major	JOBMAJOR=1	24.21	1.27	0.49	2.59	6.70
Registered to vote	VOTEREG=1	80.68	0.85	0.45	1.88	3.52
Has a disability	DISABLE=1	11.02	0.47	0.36	1.32	1.74
Attended more than one institution in 2003–04	STUDMULT>1	6.26	0.39	0.28	1.42	2.02
Has dependents other than a spouse	DEPANY=1	20.06	1.21	0.46	2.65	7.03
U.S. Armed Forces veteran	VETERAN=1	2.58	0.39	0.18	2.13	4.56
Ever attended a community college	EVER2PUB=1	45.23	1.74	0.57	3.06	9.37
Summary statistics						
Minimum	†	†	†	†	1.32	1.74
25th percentile	†	†	†	†	2.10	4.40
Median	†	†	†	†	2.59	6.70
75th percentile	†	†	†	†	3.06	9.37
Maximum	†	†	†	†	3.77	14.22

† Not applicable.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004 National Postsecondary Student Aid Study (NPSAS:04).

Table N-9. Design effects for undergraduate students at public 4-year doctorate-granting/first-professional institutions: 2004

Variable	Defined as	Percent estimate	Design standard error	Simple random sample standard error	DEFT	DEFF
Received any aid	TOTAID>0	69.14	0.62	0.38	1.61	2.59
Received any federal aid	ANYFED=1	51.29	0.65	0.42	1.57	2.47
Received any state grant aid	ANYSTGRT=1	17.85	0.30	0.32	0.95	0.91
Received any institution grant aid	ANYINSTG=1	23.27	0.55	0.35	1.57	2.46
Received any work-study aid	ANYWKST=1	8.26	0.27	0.23	1.18	1.39
Received a Pell grant	ANYPELL=1	23.90	0.64	0.36	1.81	3.26
Received a Stafford loan	ANYSTAF=1	43.01	0.58	0.41	1.41	1.98
Subsidized	STAFSUB>0	33.28	0.59	0.39	1.50	2.24
Unsubsidized	STAFUNSB>0	25.45	0.49	0.36	1.35	1.84
Married	SMARITAL=2	11.57	0.47	0.27	1.78	3.15
U.S. citizen	CITIZEN2=1	94.27	0.29	0.19	1.48	2.18
Enrolled exclusively full-time	ATTNPTRN=1	62.70	1.09	0.40	2.70	7.31
Enrolled part-time or part-year	ATTNSTAT IN (3, 4, 5, 6)	38.61	0.79	0.41	1.94	3.78
Received any employer aid	ANYEMP=1	4.17	0.19	0.17	1.17	1.36
Worked while in school	JOBENR IN (2,3)	69.88	0.72	0.38	1.88	3.52
Worked full-time while in school	JOBENR = 3	18.47	0.45	0.32	1.38	1.90
Worked part-time while in school	JOBENR = 2	51.40	0.55	0.42	1.33	1.76
Principal job in 2003–04 related to major	JOBMAJOR=1	21.29	0.38	0.34	1.12	1.26
Registered to vote	VOTEREG=1	80.23	0.40	0.33	1.20	1.45
Has a disability	DISABLE=1	9.38	0.29	0.24	1.18	1.40
Attended more than one institution in 2003–04	STUDMULT>1	6.55	0.25	0.21	1.21	1.46
Has dependents other than a spouse	DEPANY=1	11.41	0.55	0.26	2.07	4.29
U.S. Armed Forces veteran	VETERAN=1	1.63	0.13	0.11	1.20	1.43
Ever attended a community college	EVER2PUB=1	42.53	0.77	0.41	1.86	3.46
Summary statistics						
Minimum	†	†	†	†	0.95	0.91
25th percentile	†	†	†	†	1.20	1.44
Median	†	†	†	†	1.44	2.08
75th percentile	†	†	†	†	1.79	3.21
Maximum	†	†	†	†	2.70	7.31

† Not applicable.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004 National Postsecondary Student Aid Study (NPSAS:04).

Table N-10. Design effects for undergraduate students at private not-for-profit 4-year non-doctorate-granting/first-professional: 2004

Variable	Defined as	Percent estimate	Design standard error	Simple random sample standard error	DEFT	DEFF
Received any aid	TOTAID>0	85.17	0.92	0.40	2.33	5.45
Received any federal aid	ANYFED=1	64.82	1.15	0.53	2.16	4.66
Received any state grant aid	ANYSTGRT=1	23.70	1.60	0.47	3.37	11.36
Received any institution grant aid	ANYINSTG=1	46.84	3.02	0.56	5.44	29.56
Received any work-study aid	ANYWKST=1	20.03	1.63	0.45	3.66	13.37
Received a Pell grant	ANYPELL=1	30.26	1.80	0.51	3.52	12.39
Received a Stafford loan	ANYSTAF=1	55.67	1.74	0.55	3.14	9.87
Subsidized	STAFSUB>0	47.54	1.48	0.56	2.66	7.07
Unsubsidized	STAFUNSB>0	32.01	1.39	0.52	2.67	7.15
Married	SMARITAL=2	21.45	1.56	0.46	3.41	11.61
U.S. citizen	CITIZEN2=1	95.00	0.62	0.24	2.56	6.55
Enrolled exclusively full-time	ATTNPTRN=1	64.81	2.38	0.53	4.48	20.04
Enrolled part-time or part-year	ATTNSTAT IN (3, 4, 5, 6)	46.07	1.79	0.56	3.22	10.35
Received any employer aid	ANYEMP=1	10.69	0.91	0.34	2.64	6.95
Worked while in school	JOBENR IN (2,3)	69.40	1.11	0.51	2.16	4.68
Worked full-time while in school	JOBENR = 3	31.77	2.18	0.52	4.20	17.62
Worked part-time while in school	JOBENR = 2	37.63	1.64	0.54	3.04	9.25
Principal job in 2003–04 related to major	JOBMAJOR=1	27.94	1.14	0.50	2.28	5.21
Registered to vote	VOTEREG=1	82.24	0.89	0.43	2.09	4.35
Has a disability	DISABLE=1	11.31	0.64	0.35	1.81	3.29
Attended more than one institution in 2003–04	STUDMULT>1	6.52	0.54	0.28	1.98	3.93
Has dependents other than a spouse	DEPANY=1	26.79	2.05	0.49	4.16	17.27
U.S. Armed Forces veteran	VETERAN=1	4.64	0.79	0.23	3.36	11.32
Ever attended a community college	EVER2PUB=1	42.40	1.28	0.55	2.32	5.39
Summary statistics						
Minimum	†	†	†	†	1.81	3.29
25th percentile	†	†	†	†	2.30	5.30
Median	†	†	†	†	2.86	8.20
75th percentile	†	†	†	†	3.46	12.00
Maximum	†	†	†	†	5.44	29.56

† Not applicable.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004 National Postsecondary Student Aid Study (NPSAS:04).

Table N-11. Design effects for undergraduate students at private not-for-profit 4-year doctorate-granting/first-professional institutions: 2004

Variable	Defined as	Percent estimate	Design standard error	Simple random sample standard error	DEFT	DEFF
Received any aid	TOTAID>0	80.29	1.15	0.52	2.22	4.91
Received any federal aid	ANYFED=1	58.58	1.71	0.64	2.67	7.14
Received any state grant aid	ANYSTGRT=1	19.04	1.49	0.51	2.92	8.50
Received any institution grant aid	ANYINSTG=1	53.24	2.67	0.65	4.11	16.86
Received any work-study aid	ANYWKST=1	22.47	1.43	0.54	2.63	6.91
Received a Pell grant	ANYPELL=1	21.33	2.60	0.53	4.86	23.67
Received a Stafford loan	ANYSTAF=1	49.34	1.96	0.65	3.01	9.04
Subsidized	STAFSUB>0	41.42	1.67	0.64	2.60	6.75
Unsubsidized	STAFUNSB>0	22.46	1.46	0.54	2.68	7.17
Married	SMARITAL=2	9.79	1.34	0.39	3.47	12.01
U.S. citizen	CITIZEN2=1	93.47	0.59	0.32	1.83	3.34
Enrolled exclusively full-time	ATTNPTRN=1	70.37	1.96	0.59	3.30	10.86
Enrolled part-time or part-year	ATTNSTAT IN (3, 4, 5, 6)	34.78	1.61	0.62	2.60	6.76
Received any employer aid	ANYEMP=1	6.26	0.71	0.32	2.24	5.01
Worked while in school	JOBENR IN (2,3)	59.56	1.10	0.64	1.72	2.95
Worked full-time while in school	JOBENR = 3	15.51	1.28	0.47	2.71	7.32
Worked part-time while in school	JOBENR = 2	44.05	1.21	0.65	1.87	3.50
Principal job in 2003–04 related to major	JOBMAJOR=1	22.48	1.44	0.54	2.65	7.00
Registered to vote	VOTEREG=1	77.92	0.75	0.54	1.38	1.90
Has a disability	DISABLE=1	9.05	0.64	0.37	1.70	2.89
Attended more than one institution in 2003–04	STUDMULT>1	5.01	0.44	0.28	1.57	2.45
Has dependents other than a spouse	DEPANY=1	9.65	1.45	0.38	3.78	14.28
U.S. Armed Forces veteran	VETERAN=1	1.12	0.35	0.14	2.54	6.43
Ever attended a community college	EVER2PUB=1	33.53	1.71	0.62	2.77	7.69
Summary statistics						
Minimum	†	†	†	†	1.38	1.90
25th percentile	†	†	†	†	2.04	4.21
Median	†	†	†	†	2.64	6.95
75th percentile	†	†	†	†	2.96	8.77
Maximum	†	†	†	†	4.86	23.67

† Not applicable.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004 National Postsecondary Student Aid Study (NPSAS:04).

Table N-12. Design effects for undergraduate students at private for-profit institutions: 2004

Variable	Defined as	Percent estimate	Design standard error	Simple random sample standard error	DEFT	DEFF
Received any aid	TOTAID>0	89.14	0.39	0.27	1.44	2.09
Received any federal aid	ANYFED=1	81.20	0.69	0.34	2.02	4.09
Received any state grant aid	ANYSTGRT=1	8.14	1.00	0.24	4.18	17.46
Received any institution grant aid	ANYINSTG=1	6.80	0.86	0.22	3.88	15.04
Received any work-study aid	ANYWKST=1	2.30	0.29	0.13	2.21	4.90
Received a Pell grant	ANYPELL=1	50.99	0.77	0.44	1.76	3.11
Received a Stafford loan	ANYSTAF=1	71.53	0.75	0.40	1.89	3.59
Subsidized	STAFSUB>0	67.89	0.92	0.41	2.24	5.03
Unsubsidized	STAFUNSB>0	62.08	0.80	0.43	1.88	3.53
Married	SMARITAL=2	26.08	1.23	0.39	3.19	10.18
U.S. citizen	CITIZEN2=1	91.81	0.57	0.24	2.35	5.55
Enrolled exclusively full-time	ATTNPTRN=1	69.76	1.86	0.40	4.62	21.37
Enrolled part-time or part-year	ATTNSTAT IN (3, 4, 5, 6)	65.74	1.32	0.42	3.17	10.02
Received any employer aid	ANYEMP=1	9.64	0.94	0.26	3.62	13.11
Worked while in school	JOBENR IN (2,3)	75.84	0.76	0.38	2.04	4.15
Worked full-time while in school	JOBENR = 3	47.39	1.32	0.44	3.01	9.06
Worked part-time while in school	JOBENR = 2	28.45	0.99	0.40	2.49	6.21
Principal job in 2003–04 related to major	JOBMAJOR=1	30.32	1.51	0.40	3.74	13.99
Registered to vote	VOTEREG=1	79.39	0.80	0.35	2.25	5.07
Has a disability	DISABLE=1	13.09	0.70	0.30	2.36	5.56
Attended more than one institution in 2003–04	STUDMULT>1	3.99	0.54	0.17	3.15	9.90
Has dependents other than a spouse	DEPANY=1	46.19	1.51	0.44	3.46	11.94
U.S. Armed Forces veteran	VETERAN=1	6.05	0.61	0.21	2.92	8.53
Ever attended a community college	EVER2PUB=1	44.83	0.97	0.44	2.22	4.94
Summary statistics						
Minimum	†	†	†	†	1.44	2.09
25th percentile	†	†	†	†	2.12	4.52
Median	†	†	†	†	2.42	5.88
75th percentile	†	†	†	†	3.32	11.06
Maximum	†	†	†	†	4.62	21.37

† Not applicable.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004 National Postsecondary Student Aid Study (NPSAS:04).

Table N-13. Design effects for dependent undergraduate students: 2004

Variable	Defined as	Percent estimate	Design standard error	Simple random sample standard error	DEFT	DEFF
Received any aid	TOTAID>0	63.79	0.53	0.23	2.30	5.28
Received any federal aid	ANYFED=1	47.82	0.44	0.24	1.81	3.28
Received any state grant aid	ANYSTGRT=1	17.91	0.39	0.19	2.11	4.44
Received any institution grant aid	ANYINSTG=1	25.47	0.52	0.21	2.49	6.20
Received any work-study aid	ANYWKST=1	11.15	0.32	0.15	2.12	4.49
Received a Pell grant	ANYPELL=1	21.85	0.23	0.20	1.15	1.31
Received a Stafford loan	ANYSTAF=1	35.74	0.46	0.23	1.97	3.89
Subsidized	STAFSUB>0	26.96	0.42	0.21	1.96	3.83
Unsubsidized	STAFUNSB>0	17.11	0.31	0.18	1.68	2.84
Married	SMARITAL=2	†	†	†	†	†
U.S. citizen	CITIZEN2=1	93.85	0.22	0.12	1.94	3.75
Enrolled exclusively full-time	ATTNPTRN=1	64.23	0.64	0.23	2.76	7.64
Enrolled part-time or part-year	ATTNSTAT IN (3, 4, 5, 6)	40.73	0.57	0.24	2.41	5.82
Received any employer aid	ANYEMP=1	1.83	0.10	0.06	1.49	2.22
Worked while in school	JOBENR IN (2,3)	70.06	0.45	0.22	2.04	4.15
Worked full-time while in school	JOBENR = 3	15.81	0.27	0.18	1.54	2.37
Worked part-time while in school	JOBENR = 2	54.25	0.43	0.24	1.79	3.22
Principal job in 2003–04 related to major	JOBMAJOR=1	16.33	0.29	0.18	1.65	2.71
Registered to vote	VOTEREG=1	74.26	0.36	0.21	1.70	2.89
Has a disability	DISABLE=1	8.98	0.22	0.14	1.56	2.45
Attended more than one institution in 2003–04	STUDMULT>1	7.83	0.18	0.13	1.42	2.02
Has dependents other than a spouse	DEPANY=1	†	†	†	†	†
U.S. Armed Forces veteran	VETERAN=1	†	†	†	†	†
Ever attended a community college	EVER2PUB=1	55.56	0.50	0.24	2.08	4.33
Summary statistics						
Minimum	†	†	†	†	1.15	1.31
25th percentile	†	†	†	†	1.65	2.71
Median	†	†	†	†	1.94	3.75
75th percentile	†	†	†	†	2.11	4.44
Maximum	†	†	†	†	2.76	7.64

† Not applicable.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004 National Postsecondary Student Aid Study (NPSAS:04).

Table N-14. Design effects for independent undergraduate students: 2004

Variable	Defined as	Percent estimate	Design standard error	Simple random sample standard error	DEFT	DEFF
Received any aid	TOTAID>0	62.70	0.49	0.25	1.93	3.72
Received any federal aid	ANYFED=1	44.95	0.46	0.26	1.79	3.19
Received any state grant aid	ANYSTGRT=1	11.46	0.53	0.17	3.19	10.19
Received any institution grant aid	ANYINSTG=1	9.72	0.39	0.15	2.52	6.33
Received any work-study aid	ANYWKST=1	3.97	0.15	0.10	1.43	2.06
Received a Pell grant	ANYPELL=1	31.61	0.32	0.24	1.32	1.74
Received a Stafford loan	ANYSTAF=1	30.65	0.44	0.24	1.85	3.42
Subsidized	STAFSUB>0	28.41	0.43	0.23	1.81	3.28
Unsubsidized	STAFUNSB>0	24.15	0.32	0.22	1.45	2.10
Married	SMARITAL=2	42.34	0.64	0.26	2.50	6.23
U.S. citizen	CITIZEN2=1	91.89	0.35	0.14	2.45	5.99
Enrolled exclusively full-time	ATTNPTRN=1	33.77	0.72	0.25	2.91	8.47
Enrolled part-time or part-year	ATTNSTAT IN (3, 4, 5, 6)	76.95	0.46	0.22	2.11	4.44
Received any employer aid	ANYEMP=1	12.13	0.28	0.17	1.65	2.73
Worked while in school	JOBENR IN (2,3)	78.28	0.28	0.21	1.32	1.73
Worked full-time while in school	JOBENR = 3	49.50	0.50	0.26	1.94	3.76
Worked part-time while in school	JOBENR = 2	28.77	0.43	0.24	1.83	3.34
Principal job in 2003–04 related to major	JOBMAJOR=1	30.68	0.56	0.24	2.33	5.44
Registered to vote	VOTEREG=1	84.71	0.38	0.19	2.05	4.22
Has a disability	DISABLE=1	13.63	0.28	0.18	1.54	2.38
Attended more than one institution in 2003–04	STUDMULT>1	7.18	0.19	0.13	1.43	2.04
Has dependents other than a spouse	DEPANY=1	53.95	0.45	0.26	1.74	3.02
U.S. Armed Forces veteran	VETERAN=1	6.74	0.29	0.13	2.24	5.01
Ever attended a community college	EVER2PUB=1	80.57	0.47	0.21	2.30	5.29
Summary statistics						
Minimum	†	†	†	†	1.32	1.73
25th percentile	†	†	†	†	1.60	2.55
Median	†	†	†	†	1.89	3.57
75th percentile	†	†	†	†	2.32	5.37
Maximum	†	†	†	†	3.19	10.19

† Not applicable.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004 National Postsecondary Student Aid Study (NPSAS:04).

Table N-15. Design effects for White non-Hispanic undergraduate students: 2004

Variable	Defined as	Percent estimate	Design standard error	Simple random sample standard error	DEFT	DEFF
Received any aid	TOTAID>0	61.49	0.56	0.22	2.55	6.53
Received any federal aid	ANYFED=1	42.86	0.52	0.22	2.32	5.37
Received any state grant aid	ANYSTGRT=1	13.82	0.42	0.16	2.69	7.22
Received any institution grant aid	ANYINSTG=1	18.39	0.48	0.18	2.72	7.37
Received any work-study aid	ANYWKST=1	7.32	0.27	0.12	2.27	5.15
Received a Pell grant	ANYPELL=1	20.50	0.40	0.18	2.16	4.66
Received a Stafford loan	ANYSTAF=1	33.47	0.48	0.21	2.23	4.99
Subsidized	STAFSUB>0	26.74	0.40	0.20	1.99	3.95
Unsubsidized	STAFUNSB>0	20.70	0.39	0.18	2.13	4.55
Married	SMARITAL=2	22.25	0.48	0.19	2.54	6.47
U.S. citizen	CITIZEN2=1	97.29	0.14	0.07	1.90	3.62
Enrolled exclusively full-time	ATTNPTRN=1	50.50	0.67	0.23	2.94	8.64
Enrolled part-time or part-year	ATTNSTAT IN (3, 4, 5, 6)	56.39	0.60	0.23	2.67	7.14
Received any employer aid	ANYEMP=1	7.52	0.20	0.12	1.66	2.76
Worked while in school	JOBENR IN (2,3)	74.99	0.35	0.20	1.79	3.21
Worked full-time while in school	JOBENR = 3	31.35	0.38	0.21	1.81	3.27
Worked part-time while in school	JOBENR = 2	43.65	0.41	0.23	1.81	3.28
Principal job in 2003–04 related to major	JOBMAJOR=1	23.71	0.38	0.19	1.99	3.95
Registered to vote	VOTEREG=1	83.29	0.29	0.17	1.70	2.89
Has a disability	DISABLE=1	11.68	0.21	0.15	1.45	2.12
Attended more than one institution in 2003–04	STUDMULT>1	7.31	0.17	0.12	1.40	1.97
Has dependents other than a spouse	DEPANY=1	23.55	0.45	0.19	2.35	5.52
U.S. Armed Forces veteran	VETERAN=1	3.38	0.18	0.08	2.24	5.02
Ever attended a community college	EVER2PUB=1	66.36	0.56	0.21	2.63	6.92
Summary statistics						
Minimum	†	†	†	†	1.40	1.97
25th percentile	†	†	†	†	1.81	3.27
Median	†	†	†	†	2.20	4.82
75th percentile	†	†	†	†	2.55	6.50
Maximum	†	†	†	†	2.94	8.64

† Not applicable.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004 National Postsecondary Student Aid Study (NPSAS:04).

Table N-16. Design effects for Black non-Hispanic undergraduate students: 2004

Variable	Defined as	Percent estimate	Design standard error	Simple random sample standard error	DEFT	DEFF
Received any aid	TOTAID>0	75.79	0.88	0.38	2.32	5.40
Received any federal aid	ANYFED=1	62.13	1.15	0.43	2.68	7.16
Received any state grant aid	ANYSTGRT=1	18.22	0.89	0.34	2.60	6.77
Received any institution grant aid	ANYINSTG=1	14.95	0.84	0.32	2.65	7.05
Received any work-study aid	ANYWKST=1	8.52	0.45	0.25	1.83	3.35
Received a Pell grant	ANYPELL=1	46.80	0.99	0.44	2.24	5.00
Received a Stafford loan	ANYSTAF=1	41.57	1.65	0.44	3.77	14.25
Subsidized	STAFSUB>0	37.81	1.51	0.43	3.51	12.30
Unsubsidized	STAFUNSB>0	27.89	1.03	0.40	2.58	6.64
Married	SMARITAL=2	17.68	0.80	0.34	2.37	5.61
U.S. citizen	CITIZEN2=1	91.10	0.73	0.25	2.89	8.35
Enrolled exclusively full-time	ATTNPTRN=1	47.33	1.29	0.44	2.91	8.47
Enrolled part-time or part-year	ATTNSTAT IN (3, 4, 5, 6)	65.27	1.51	0.42	3.58	12.79
Received any employer aid	ANYEMP=1	6.92	0.46	0.23	2.04	4.15
Worked while in school	JOBENR IN (2,3)	73.81	0.73	0.39	1.86	3.46
Worked full-time while in school	JOBENR = 3	39.52	0.96	0.43	2.20	4.85
Worked part-time while in school	JOBENR = 2	34.29	0.74	0.42	1.75	3.05
Principal job in 2003–04 related to major	JOBMAJOR=1	26.56	0.69	0.39	1.75	3.08
Registered to vote	VOTEREG=1	81.30	0.89	0.35	2.56	6.56
Has a disability	DISABLE=1	10.71	0.47	0.27	1.72	2.96
Attended more than one institution in 2003–04	STUDMULT>1	6.89	0.31	0.23	1.37	1.87
Has dependents other than a spouse	DEPANY=1	42.96	1.12	0.44	2.54	6.45
U.S. Armed Forces veteran	VETERAN=1	4.86	0.35	0.19	1.82	3.30
Ever attended a community college	EVER2PUB=1	70.80	1.49	0.40	3.69	13.63
Summary statistics						
Minimum	†	†	†	†	1.37	1.87
25th percentile	†	†	†	†	1.85	3.41
Median	†	†	†	†	2.45	6.03
75th percentile	†	†	†	†	2.78	7.75
Maximum	†	†	†	†	3.77	14.25

† Not applicable.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004 National Postsecondary Student Aid Study (NPSAS:04).

Table N-17. Design effects for Asian undergraduate students: 2004

Variable	Defined as	Percent estimate	Design standard error	Simple random sample standard error	DEFT	DEFF
Received any aid	TOTAID>0	51.56	1.55	0.82	1.90	3.62
Received any federal aid	ANYFED=1	37.04	1.27	0.79	1.61	2.60
Received any state grant aid	ANYSTGRT=1	15.12	0.85	0.59	1.45	2.09
Received any institution grant aid	ANYINSTG=1	18.73	0.98	0.64	1.54	2.38
Received any work-study aid	ANYWKST=1	9.53	0.59	0.48	1.23	1.52
Received a Pell grant	ANYPELL=1	21.89	0.99	0.68	1.46	2.13
Received a Stafford loan	ANYSTAF=1	21.67	0.85	0.67	1.27	1.60
Subsidized	STAFSUB>0	18.78	0.78	0.64	1.23	1.51
Unsubsidized	STAFUNSB>0	10.87	0.65	0.51	1.29	1.65
Married	SMARITAL=2	20.41	1.12	0.66	1.69	2.87
U.S. citizen	CITIZEN2=1	63.44	1.03	0.79	1.31	1.72
Enrolled exclusively full-time	ATTNPTRN=1	48.44	1.64	0.82	2.00	4.01
Enrolled part-time or part-year	ATTNSTAT IN (3, 4, 5, 6)	55.06	1.44	0.81	1.77	3.15
Received any employer aid	ANYEMP=1	4.66	0.48	0.34	1.39	1.94
Worked while in school	JOBENR IN (2,3)	63.31	0.99	0.79	1.25	1.57
Worked full-time while in school	JOBENR = 3	21.80	1.11	0.68	1.64	2.69
Worked part-time while in school	JOBENR = 2	41.51	1.11	0.81	1.37	1.89
Principal job in 2003–04 related to major	JOBMAJOR=1	17.79	1.01	0.63	1.62	2.63
Registered to vote	VOTEREG=1	48.71	1.04	0.82	1.27	1.61
Has a disability	DISABLE=1	7.09	0.65	0.42	1.54	2.38
Attended more than one institution in 2003–04	STUDMULT>1	11.30	0.72	0.52	1.39	1.92
Has dependents other than a spouse	DEPANY=1	17.94	0.87	0.63	1.39	1.92
U.S. Armed Forces veteran	VETERAN=1	1.49	0.28	0.20	1.41	1.99
Ever attended a community college	EVER2PUB=1	71.62	1.11	0.74	1.51	2.28
Summary statistics						
Minimum	†	†	†	†	1.23	1.51
25th percentile	†	†	†	†	1.30	1.69
Median	†	†	†	†	1.43	2.04
75th percentile	†	†	†	†	1.62	2.62
Maximum	†	†	†	†	2.00	4.01

† Not applicable.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004 National Postsecondary Student Aid Study (NPSAS:04).

Table N-18. Design effects for Hispanic undergraduate students: 2004

Variable	Defined as	Percent estimate	Design standard error	Simple random sample standard error	DEFT	DEFF
Received any aid	TOTAID>0	63.20	0.82	0.46	1.79	3.22
Received any federal aid	ANYFED=1	50.42	0.86	0.47	1.81	3.28
Received any state grant aid	ANYSTGRT=1	14.83	0.65	0.34	1.94	3.78
Received any institution grant aid	ANYINSTG=1	16.08	0.96	0.35	2.76	7.64
Received any work-study aid	ANYWKST=1	6.84	0.52	0.24	2.18	4.76
Received a Pell grant	ANYPELL=1	36.94	0.80	0.46	1.75	3.06
Received a Stafford loan	ANYSTAF=1	27.88	0.93	0.42	2.19	4.78
Subsidized	STAFSUB>0	25.02	0.87	0.41	2.12	4.49
Unsubsidized	STAFUNSB>0	16.68	0.81	0.35	2.29	5.26
Married	SMARITAL=2	20.96	0.71	0.39	1.83	3.37
U.S. citizen	CITIZEN2=1	86.08	0.52	0.33	1.58	2.51
Enrolled exclusively full-time	ATTNPTRN=1	43.72	1.15	0.47	2.45	5.99
Enrolled part-time or part-year	ATTNSTAT IN (3, 4, 5, 6)	65.49	0.93	0.45	2.07	4.29
Received any employer aid	ANYEMP=1	5.83	0.33	0.22	1.46	2.15
Worked while in school	JOBENR IN (2,3)	75.63	0.57	0.41	1.39	1.94
Worked full-time while in school	JOBENR = 3	36.77	0.79	0.46	1.73	2.98
Worked part-time while in school	JOBENR = 2	38.86	0.76	0.46	1.64	2.71
Principal job in 2003–04 related to major	JOBMAJOR=1	22.05	0.69	0.39	1.75	3.06
Registered to vote	VOTEREG=1	72.92	0.72	0.42	1.72	2.95
Has a disability	DISABLE=1	10.90	0.49	0.30	1.66	2.75
Attended more than one institution in 2003–04	STUDMULT>1	7.13	0.35	0.24	1.44	2.07
Has dependents other than a spouse	DEPANY=1	31.28	0.87	0.44	1.98	3.92
U.S. Armed Forces veteran	VETERAN=1	2.43	0.21	0.15	1.47	2.15
Ever attended a community college	EVER2PUB=1	71.67	1.08	0.43	2.52	6.36
Summary statistics						
Minimum	†	†	†	†	1.39	1.94
25th percentile	†	†	†	†	1.65	2.73
Median	†	†	†	†	1.80	3.25
75th percentile	†	†	†	†	2.15	4.63
Maximum	†	†	†	†	2.76	7.64

† Not applicable.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004 National Postsecondary Student Aid Study (NPSAS:04).

Table N-19. Design effects for other race undergraduate students: 2004

Variable	Defined as	Percent estimate	Design standard error	Simple random sample standard error	DEFT	DEFF
Received any aid	TOTAID>0	62.99	1.27	0.78	1.63	2.66
Received any federal aid	ANYFED=1	46.47	1.34	0.81	1.66	2.77
Received any state grant aid	ANYSTGRT=1	14.41	0.80	0.57	1.41	1.99
Received any institution grant aid	ANYINSTG=1	16.77	0.81	0.60	1.34	1.79
Received any work-study aid	ANYWKST=1	7.26	0.59	0.42	1.41	1.99
Received a Pell grant	ANYPELL=1	28.99	1.03	0.73	1.40	1.96
Received a Stafford loan	ANYSTAF=1	31.97	1.10	0.75	1.47	2.15
Subsidized	STAFSUB>0	27.66	0.95	0.72	1.32	1.73
Unsubsidized	STAFUNSB>0	20.34	1.02	0.65	1.56	2.45
Married	SMARITAL=2	20.99	0.88	0.66	1.34	1.78
U.S. citizen	CITIZEN2=1	90.81	0.73	0.47	1.55	2.41
Enrolled exclusively full-time	ATTNPTRN=1	47.04	1.58	0.81	1.96	3.86
Enrolled part-time or part-year	ATTNSTAT IN (3, 4, 5, 6)	60.94	1.31	0.79	1.66	2.77
Received any employer aid	ANYEMP=1	6.37	0.58	0.39	1.46	2.14
Worked while in school	JOBENR IN (2,3)	73.07	1.17	0.72	1.63	2.66
Worked full-time while in school	JOBENR = 3	32.96	1.36	0.76	1.79	3.22
Worked part-time while in school	JOBENR = 2	40.11	1.33	0.79	1.68	2.82
Principal job in 2003–04 related to major	JOBMAJOR=1	22.87	0.90	0.68	1.33	1.76
Registered to vote	VOTEREG=1	76.72	1.21	0.68	1.77	3.12
Has a disability	DISABLE=1	14.20	0.78	0.56	1.38	1.92
Attended more than one institution in 2003–04	STUDMULT>1	8.55	0.46	0.45	1.02	1.05
Has dependents other than a spouse	DEPANY=1	27.16	1.13	0.72	1.57	2.46
U.S. Armed Forces veteran	VETERAN=1	3.92	0.46	0.31	1.46	2.13
Ever attended a community college	EVER2PUB=1	70.38	1.34	0.74	1.82	3.32
Summary statistics						
Minimum	†	†	†	†	1.02	1.05
25th percentile	†	†	†	†	1.39	1.94
Median	†	†	†	†	1.51	2.28
75th percentile	†	†	†	†	1.66	2.77
Maximum	†	†	†	†	1.96	3.86

† Not applicable.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004 National Postsecondary Student Aid Study (NPSAS:04).

Table N-20. Design effects for low-income undergraduate students: 2004

Variable	Defined as	Percent estimate	Design standard error	Simple random sample standard error	DEFT	DEFF
Received any aid	TOTAID>0	74.37	0.61	0.31	1.96	3.85
Received any federal aid	ANYFED=1	64.02	0.66	0.34	1.95	3.82
Received any state grant aid	ANYSTGRT=1	22.64	0.76	0.30	2.55	6.50
Received any institution grant aid	ANYINSTG=1	21.03	0.61	0.29	2.12	4.48
Received any work-study aid	ANYWKST=1	11.67	0.52	0.23	2.27	5.15
Received a Pell grant	ANYPELL=1	58.71	0.59	0.35	1.71	2.91
Received a Stafford loan	ANYSTAF=1	35.77	0.68	0.34	2.01	4.05
Subsidized	STAFSUB>0	34.98	0.69	0.34	2.06	4.24
Unsubsidized	STAFUNSB>0	17.50	0.48	0.27	1.79	3.21
Married	SMARITAL=2	4.98	0.25	0.15	1.64	2.68
U.S. citizen	CITIZEN2=1	88.79	0.45	0.22	2.00	4.01
Enrolled exclusively full-time	ATTNPTRN=1	54.74	0.79	0.35	2.23	4.98
Enrolled part-time or part-year	ATTNSTAT IN (3, 4, 5, 6)	55.08	0.65	0.35	1.84	3.38
Received any employer aid	ANYEMP=1	2.98	0.20	0.12	1.67	2.79
Worked while in school	JOBENR IN (2,3)	67.53	0.62	0.33	1.88	3.53
Worked full-time while in school	JOBENR = 3	23.35	0.55	0.30	1.83	3.34
Worked part-time while in school	JOBENR = 2	44.18	0.66	0.35	1.88	3.54
Principal job in 2003–04 related to major	JOBMAJOR=1	18.09	0.44	0.27	1.62	2.61
Registered to vote	VOTEREG=1	73.69	0.60	0.31	1.91	3.67
Has a disability	DISABLE=1	12.42	0.41	0.23	1.74	3.01
Attended more than one institution in 2003–04	STUDMULT>1	7.44	0.30	0.19	1.61	2.58
Has dependents other than a spouse	DEPANY=1	19.98	0.48	0.28	1.68	2.82
U.S. Armed Forces veteran	VETERAN=1	1.95	0.19	0.10	1.98	3.91
Ever attended a community college	EVER2PUB=1	66.78	0.48	0.33	1.43	2.04
Summary statistics						
Minimum	†	†	†	†	1.43	2.04
25th percentile	†	†	†	†	1.69	2.86
Median	†	†	†	†	1.88	3.53
75th percentile	†	†	†	†	2.01	4.03
Maximum	†	†	†	†	2.55	6.50

† Not applicable.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004 National Postsecondary Student Aid Study (NPSAS:04).

Table N-21. Design effects for middle-income undergraduate students: 2004

Variable	Defined as	Percent estimate	Design standard error	Simple random sample standard error	DEFT	DEFF
Received any aid	TOTAID>0	66.42	0.45	0.24	1.92	3.70
Received any federal aid	ANYFED=1	50.49	0.39	0.25	1.57	2.46
Received any state grant aid	ANYSTGRT=1	16.39	0.44	0.19	2.38	5.65
Received any institution grant aid	ANYINSTG=1	18.79	0.47	0.20	2.42	5.86
Received any work-study aid	ANYWKST=1	7.97	0.24	0.14	1.80	3.26
Received a Pell grant	ANYPELL=1	27.56	0.32	0.22	1.44	2.07
Received a Stafford loan	ANYSTAF=1	37.41	0.37	0.24	1.53	2.34
Subsidized	STAFSUB>0	33.17	0.34	0.24	1.43	2.06
Unsubsidized	STAFUNSB>0	22.28	0.31	0.21	1.47	2.18
Married	SMARITAL=2	14.29	0.43	0.18	2.47	6.11
U.S. citizen	CITIZEN2=1	93.44	0.27	0.12	2.15	4.64
Enrolled exclusively full-time	ATTNPTRN=1	50.27	0.67	0.25	2.67	7.11
Enrolled part-time or part-year	ATTNSTAT IN (3, 4, 5, 6)	57.78	0.63	0.25	2.55	6.49
Received any employer aid	ANYEMP=1	5.86	0.15	0.12	1.29	1.67
Worked while in school	JOBENR IN (2,3)	76.41	0.33	0.21	1.57	2.45
Worked full-time while in school	JOBENR = 3	32.94	0.45	0.24	1.92	3.70
Worked part-time while in school	JOBENR = 2	43.47	0.43	0.25	1.75	3.05
Principal job in 2003–04 related to major	JOBMAJOR=1	23.43	0.39	0.21	1.84	3.38
Registered to vote	VOTEREG=1	79.63	0.38	0.20	1.89	3.59
Has a disability	DISABLE=1	11.26	0.29	0.16	1.86	3.47
Attended more than one institution in 2003–04	STUDMULT>1	7.27	0.19	0.13	1.45	2.12
Has dependents other than a spouse	DEPANY=1	25.62	0.50	0.22	2.29	5.24
U.S. Armed Forces veteran	VETERAN=1	2.84	0.15	0.08	1.78	3.15
Ever attended a community college	EVER2PUB=1	67.93	0.42	0.23	1.78	3.18
Summary statistics						
Minimum	†	†	†	†	1.29	1.67
25th percentile	†	†	†	†	1.55	2.40
Median	†	†	†	†	1.82	3.32
75th percentile	†	†	†	†	2.22	4.94
Maximum	†	†	†	†	2.67	7.11

† Not applicable.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004 National Postsecondary Student Aid Study (NPSAS:04).

Table N-22. Design effects for high-income undergraduate students: 2004

Variable	Defined as	Percent estimate	Design standard error	Simple random sample standard error	DEFT	DEFF
Received any aid	TOTAID>0	50.10	0.61	0.35	1.71	2.93
Received any federal aid	ANYFED=1	27.08	0.48	0.31	1.52	2.32
Received any state grant aid	ANYSTGRT=1	6.17	0.29	0.17	1.68	2.82
Received any institution grant aid	ANYINSTG=1	13.06	0.49	0.24	2.04	4.16
Received any work-study aid	ANYWKST=1	3.92	0.21	0.14	1.52	2.31
Received a Pell grant	ANYPELL=1	2.87	0.18	0.12	1.52	2.30
Received a Stafford loan	ANYSTAF=1	24.33	0.44	0.30	1.46	2.13
Subsidized	STAFSUB>0	13.41	0.39	0.24	1.60	2.57
Unsubsidized	STAFUNSB>0	20.15	0.41	0.28	1.43	2.04
Married	SMARITAL=2	44.43	0.77	0.35	2.19	4.78
U.S. citizen	CITIZEN2=1	94.79	0.28	0.16	1.80	3.25
Enrolled exclusively full-time	ATTNPTRN=1	42.55	0.77	0.35	2.21	4.90
Enrolled part-time or part-year	ATTNSTAT IN (3, 4, 5, 6)	63.59	0.68	0.34	2.00	4.02
Received any employer aid	ANYEMP=1	11.76	0.43	0.23	1.90	3.61
Worked while in school	JOBENR IN (2,3)	75.19	0.50	0.31	1.65	2.72
Worked full-time while in school	JOBENR = 3	39.06	0.59	0.35	1.70	2.88
Worked part-time while in school	JOBENR = 2	36.14	0.55	0.34	1.62	2.63
Principal job in 2003–04 related to major	JOBMAJOR=1	27.58	0.57	0.32	1.81	3.27
Registered to vote	VOTEREG=1	83.43	0.41	0.26	1.56	2.43
Has a disability	DISABLE=1	10.64	0.32	0.22	1.49	2.21
Attended more than one institution in 2003–04	STUDMULT>1	7.95	0.26	0.19	1.36	1.84
Has dependents other than a spouse	DEPANY=1	34.64	0.70	0.34	2.07	4.27
U.S. Armed Forces veteran	VETERAN=1	5.31	0.34	0.16	2.16	4.65
Ever attended a community college	EVER2PUB=1	69.42	0.48	0.33	1.48	2.19
Summary statistics						
Minimum	†	†	†	†	1.36	1.84
25th percentile	†	†	†	†	1.52	2.30
Median	†	†	†	†	1.66	2.77
75th percentile	†	†	†	†	1.95	3.81
Maximum	†	†	†	†	2.21	4.90

† Not applicable.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004 National Postsecondary Student Aid Study (NPSAS:04).

Table N-23. Design effects for all graduate students: 2004

Variable	Defined as	Percent estimate	Design standard error	Simple random sample standard error	DEFT	DEFF
Received any aid	TOTAID>0	70.27	1.09	0.47	2.34	5.49
Received any federal aid	ANYFED=1	35.65	0.95	0.49	1.95	3.79
Received any state grant aid	ANYSTGRT=1	1.86	0.34	0.14	2.48	6.15
Received any institution grant aid	ANYINSTG=1	16.33	0.80	0.38	2.11	4.45
Received any work-study aid	ANYWKST=1	1.52	0.20	0.12	1.60	2.55
Received any assistantship	ANYGAST=1	15.93	0.72	0.37	1.92	3.70
Received a Stafford loan	ANYSTAF=1	34.67	0.93	0.49	1.91	3.64
Subsidized	STAFSUB>0	31.96	1.01	0.48	2.12	4.50
Unsubsidized	STAFUNSB>0	28.61	0.91	0.46	1.98	3.93
Married	SMARITAL=2	46.15	1.21	0.51	2.38	5.65
U.S. citizen	CITIZEN2=1	88.01	0.66	0.33	1.99	3.96
Enrolled exclusively full-time	ATTNPTRN=1	30.44	1.17	0.47	2.49	6.22
Enrolled part-time or part-year	ATTNSTAT IN (3, 4, 5, 6)	74.04	1.09	0.45	2.43	5.89
Received any employer aid	ANYEMP=1	21.59	1.10	0.42	2.62	6.87
Worked while in school	JOBENR IN (2,3)	75.57	0.96	0.44	2.18	4.76
Worked full-time while in school	JOBENR = 3	53.55	1.31	0.51	2.57	6.61
Worked part-time while in school	JOBENR = 2	22.02	0.91	0.42	2.15	4.64
Principal job in 2003–04 related to major	JOBMAJOR=1	50.25	1.20	0.51	2.35	5.54
Registered to vote	VOTEREG=1	84.92	0.87	0.37	2.37	5.63
Has a disability	DISABLE=1	6.81	0.57	0.26	2.20	4.84
Attended more than one institution in 2003–04	STUDMULT>1	3.80	0.47	0.20	2.39	5.72
Has dependents other than a spouse	DEPANY=1	36.63	1.29	0.49	2.62	6.84
U.S. Armed Forces veteran	VETERAN=1	3.99	0.54	0.20	2.71	7.32
Ever attended a community college	EVER2PUB=1	46.20	0.88	0.51	1.72	2.97
Summary statistics						
Minimum	†	†	†	†	1.60	2.55
25th percentile	†	†	†	†	1.99	3.95
Median	†	†	†	†	2.27	5.16
75th percentile	†	†	†	†	2.45	6.02
Maximum	†	†	†	†	2.71	7.32

† Not applicable.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004 National Postsecondary Student Aid Study (NPSAS:04).

Table N-24. Design effects for graduate students at public 4-year institutions: 2004

Variable	Defined as	Percent estimate	Design standard error	Simple random sample standard error	DEFT	DEFF
Received any aid	TOTAID>0	67.15	1.17	0.60	1.94	3.75
Received any federal aid	ANYFED=1	29.50	0.80	0.58	1.37	1.87
Received any state grant aid	ANYSTGRT=1	2.13	0.26	0.19	1.40	1.96
Received any institution grant aid	ANYINSTG=1	18.31	0.77	0.50	1.55	2.41
Received any work-study aid	ANYWKST=1	1.45	0.17	0.15	1.08	1.17
Received any assistantship	ANYGAST=1	22.66	0.74	0.54	1.37	1.89
Received a Stafford loan	ANYSTAF=1	28.32	0.77	0.58	1.34	1.79
Subsidized	STAFSUB>0	25.87	0.81	0.56	1.44	2.08
Unsubsidized	STAFUNSB>0	21.23	0.73	0.52	1.38	1.91
Married	SMARITAL=2	44.76	0.97	0.64	1.52	2.32
U.S. citizen	CITIZEN2=1	85.87	0.59	0.45	1.32	1.74
Enrolled exclusively full-time	ATTNPTRN=1	27.11	1.09	0.57	1.90	3.63
Enrolled part-time or part-year	ATTNSTAT IN (3, 4, 5, 6)	75.45	1.01	0.55	1.82	3.32
Received any employer aid	ANYEMP=1	18.53	0.83	0.50	1.67	2.80
Worked while in school	JOBENR IN (2,3)	71.45	0.99	0.58	1.71	2.92
Worked full-time while in school	JOBENR = 3	48.27	0.84	0.64	1.31	1.72
Worked part-time while in school	JOBENR = 2	23.18	0.87	0.54	1.61	2.61
Principal job in 2003–04 related to major	JOBMAJOR=1	47.47	1.18	0.64	1.84	3.37
Registered to vote	VOTEREG=1	83.47	0.73	0.48	1.53	2.33
Has a disability	DISABLE=1	7.05	0.49	0.33	1.49	2.22
Attended more than one institution in 2003–04	STUDMULT>1	3.98	0.35	0.25	1.38	1.92
Has dependents other than a spouse	DEPANY=1	34.11	0.99	0.61	1.63	2.65
U.S. Armed Forces veteran	VETERAN=1	2.86	0.35	0.21	1.61	2.60
Ever attended a community college	EVER2PUB=1	45.29	1.08	0.64	1.68	2.84
Summary statistics						
Minimum	†	†	†	†	1.08	1.17
25th percentile	†	†	†	†	1.38	1.90
Median	†	†	†	†	1.53	2.33
75th percentile	†	†	†	†	1.68	2.82
Maximum	†	†	†	†	1.94	3.75

† Not applicable.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004 National Postsecondary Student Aid Study (NPSAS:04).

Table N-25. Design effects for graduate students at private not-for-profit 4-year institutions: 2004

Variable	Defined as	Percent estimate	Design standard error	Simple random sample standard error	DEFT	DEFF
Received any aid	TOTAID>0	72.05	2.05	0.77	2.68	7.16
Received any federal aid	ANYFED=1	39.30	2.28	0.84	2.73	7.47
Received any state grant aid	ANYSTGRT=1	1.66	0.71	0.22	3.26	10.66
Received any institution grant aid	ANYINSTG=1	15.59	1.38	0.62	2.22	4.94
Received any work-study aid	ANYWKST=1	1.80	0.41	0.23	1.82	3.32
Received any assistantship	ANYGAST=1	8.77	0.84	0.48	1.74	3.03
Received a Stafford loan	ANYSTAF=1	38.47	2.25	0.83	2.70	7.28
Subsidized	STAFSUB>0	35.73	2.40	0.82	2.93	8.57
Unsubsidized	STAFUNSB>0	33.31	1.98	0.81	2.46	6.06
Married	SMARITAL=2	46.80	2.34	0.85	2.74	7.52
U.S. citizen	CITIZEN2=1	90.47	0.96	0.50	1.91	3.66
Enrolled exclusively full-time	ATTNPTRN=1	30.10	2.45	0.78	3.12	9.74
Enrolled part-time or part-year	ATTNSTAT IN (3, 4, 5, 6)	75.49	2.13	0.74	2.89	8.36
Received any employer aid	ANYEMP=1	23.21	2.00	0.72	2.77	7.68
Worked while in school	JOBENR IN (2,3)	79.18	1.58	0.69	2.27	5.15
Worked full-time while in school	JOBENR = 3	57.40	2.78	0.85	3.28	10.77
Worked part-time while in school	JOBENR = 2	21.78	1.85	0.71	2.62	6.85
Principal job in 2003–04 related to major	JOBMAJOR=1	53.67	2.10	0.85	2.47	6.08
Registered to vote	VOTEREG=1	87.28	1.25	0.57	2.19	4.78
Has a disability	DISABLE=1	6.62	1.15	0.43	2.71	7.32
Attended more than one institution in 2003–04	STUDMULT>1	3.55	0.75	0.32	2.35	5.54
Has dependents other than a spouse	DEPANY=1	36.97	2.76	0.83	3.34	11.14
U.S. Armed Forces veteran	VETERAN=1	4.34	0.97	0.35	2.78	7.74
Ever attended a community college	EVER2PUB=1	46.71	1.69	0.85	1.98	3.93
Summary statistics						
Minimum	†	†	†	†	1.74	3.03
25th percentile	†	†	†	†	2.25	5.05
Median	†	†	†	†	2.69	7.22
75th percentile	†	†	†	†	2.84	8.05
Maximum	†	†	†	†	3.34	11.14

† Not applicable.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004 National Postsecondary Student Aid Study (NPSAS:04).

Table N-26. Design effects for all first-professional students: 2004

Variable	Defined as	Percent estimate	Design standard error	Simple random sample standard error	DEFT	DEFF
Received any aid	TOTAID>0	88.76	1.17	0.88	1.33	1.76
Received any federal aid	ANYFED=1	76.82	2.11	1.18	1.79	3.21
Received any state grant aid	ANYSTGRT=1	6.17	1.83	0.67	2.73	7.44
Received any institution grant aid	ANYINSTG=1	23.06	2.04	1.18	1.73	3.00
Received any work-study aid	ANYWKST=1	5.82	1.66	0.65	2.54	6.43
Received any assistantship	ANYGAST=1	6.93	0.74	0.71	1.04	1.09
Received a Stafford loan	ANYSTAF=1	74.04	2.00	1.22	1.63	2.66
Subsidized	STAFSUB>0	72.05	2.00	1.25	1.60	2.55
Unsubsidized	STAFUNSB>0	67.45	2.02	1.31	1.54	2.37
Married	SMARITAL=2	23.28	2.31	1.18	1.96	3.84
U.S. citizen	CITIZEN2=1	92.97	1.35	0.71	1.89	3.56
Enrolled exclusively full-time	ATTNPTRN=1	79.78	3.12	1.12	2.78	7.73
Enrolled part-time or part-year	ATTNSTAT IN (3, 4, 5, 6)	19.81	3.13	1.11	2.82	7.93
Received any employer aid	ANYEMP=1	5.79	0.85	0.65	1.31	1.71
Worked while in school	JOBENR IN (2,3)	40.48	1.87	1.37	1.37	1.87
Worked full-time while in school	JOBENR = 3	10.26	1.29	0.85	1.52	2.30
Worked part-time while in school	JOBENR = 2	30.22	1.63	1.28	1.27	1.62
Principal job in 2003–04 related to major	JOBMAJOR=1	27.59	1.44	1.25	1.15	1.33
Registered to vote	VOTEREG=1	87.90	1.43	0.91	1.57	2.47
Has a disability	DISABLE=1	5.73	0.74	0.65	1.13	1.28
Attended more than one institution in 2003–04	STUDMULT>1	2.46	1.08	0.43	2.50	6.23
Has dependents other than a spouse	DEPANY=1	13.19	1.99	0.94	2.11	4.43
U.S. Armed Forces veteran	VETERAN=1	2.63	1.02	0.45	2.29	5.26
Ever attended a community college	EVER2PUB=1	37.55	1.94	1.35	1.44	2.06
Summary statistics						
Minimum	†	†	†	†	1.04	1.09
25th percentile	†	†	†	†	1.35	1.82
Median	†	†	†	†	1.61	2.61
75th percentile	†	†	†	†	2.20	4.85
Maximum	†	†	†	†	2.82	7.93

† Not applicable.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004 National Postsecondary Student Aid Study (NPSAS:04).

Table N-27. Design effects for first-professional students at public 4-year institutions: 2004

Variable	Defined as	Percent estimate	Design standard error	Simple random sample standard error	DEFT	DEFF
Received any aid	TOTAID>0	90.99	1.00	1.17	0.85	0.73
Received any federal aid	ANYFED=1	80.38	1.48	1.62	0.92	0.84
Received any state grant aid	ANYSTGRT=1	4.49	0.86	0.85	1.02	1.04
Received any institution grant aid	ANYINSTG=1	25.90	1.61	1.79	0.90	0.81
Received any work-study aid	ANYWKST=1	2.54	0.53	0.64	0.82	0.67
Received any assistantship	ANYGAST=1	9.40	1.49	1.19	1.25	1.56
Received a Stafford loan	ANYSTAF=1	77.03	1.60	1.72	0.93	0.87
Subsidized	STAFSUB>0	75.06	1.66	1.77	0.94	0.89
Unsubsidized	STAFUNSB>0	67.95	1.89	1.91	0.99	0.99
Married	SMARITAL=2	21.88	1.99	1.69	1.18	1.39
U.S. citizen	CITIZEN2=1	95.81	0.95	0.82	1.16	1.34
Enrolled exclusively full-time	ATTNPTRN=1	86.62	1.42	1.39	1.02	1.05
Enrolled part-time or part-year	ATTNSTAT IN (3, 4, 5, 6)	9.58	1.13	1.20	0.94	0.88
Received any employer aid	ANYEMP=1	4.40	0.75	0.84	0.90	0.80
Worked while in school	JOBENR IN (2,3)	35.22	2.23	1.95	1.14	1.30
Worked full-time while in school	JOBENR = 3	6.44	1.21	1.00	1.21	1.47
Worked part-time while in school	JOBENR = 2	28.78	2.26	1.85	1.22	1.50
Principal job in 2003–04 related to major	JOBMAJOR=1	25.13	1.91	1.77	1.08	1.17
Registered to vote	VOTEREG=1	92.69	1.00	1.06	0.94	0.89
Has a disability	DISABLE=1	5.30	1.10	0.91	1.20	1.44
Attended more than one institution in 2003–04	STUDMULT>1	2.00	0.41	0.57	0.72	0.52
Has dependents other than a spouse	DEPANY=1	9.03	1.15	1.17	0.98	0.96
U.S. Armed Forces veteran	VETERAN=1	1.60	0.46	0.51	0.91	0.82
Ever attended a community college	EVER2PUB=1	36.79	1.63	1.97	0.83	0.69
Summary statistics						
Minimum	†	†	†	†	0.72	0.52
25th percentile	†	†	†	†	0.90	0.82
Median	†	†	†	†	0.96	0.93
75th percentile	†	†	†	†	1.15	1.32
Maximum	†	†	†	†	1.25	1.56

† Not applicable.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004 National Postsecondary Student Aid Study (NPSAS:04).

Table N-28. Design effects for first-professional students at private not-for-profit 4-year institutions: 2004

Variable	Defined as	Percent estimate	Design standard error	Simple random sample standard error	DEFT	DEFF
Received any aid	TOTAID>0	87.24	1.81	1.28	1.42	2.01
Received any federal aid	ANYFED=1	74.39	3.40	1.67	2.04	4.14
Received any state grant aid	ANYSTGRT=1	7.31	2.89	1.00	2.90	8.42
Received any institution grant aid	ANYINSTG=1	21.11	3.10	1.56	1.99	3.94
Received any work-study aid	ANYWKST=1	8.06	2.74	1.04	2.63	6.90
Received any assistantship	ANYGAST=1	5.23	0.82	0.85	0.96	0.92
Received a Stafford loan	ANYSTAF=1	71.99	3.21	1.72	1.87	3.48
Subsidized	STAFSUB>0	69.99	3.11	1.75	1.77	3.14
Unsubsidized	STAFUNSB>0	67.10	3.38	1.80	1.88	3.53
Married	SMARITAL=2	24.24	3.38	1.64	2.06	4.25
U.S. citizen	CITIZEN2=1	91.03	2.16	1.09	1.98	3.92
Enrolled exclusively full-time	ATTNPTRN=1	75.09	4.94	1.65	2.99	8.93
Enrolled part-time or part-year	ATTNSTAT IN (3, 4, 5, 6)	26.80	4.83	1.69	2.85	8.13
Received any employer aid	ANYEMP=1	6.74	1.38	0.96	1.44	2.08
Worked while in school	JOBENR IN (2,3)	44.09	2.86	1.90	1.51	2.27
Worked full-time while in school	JOBENR = 3	12.87	2.20	1.28	1.72	2.95
Worked part-time while in school	JOBENR = 2	31.21	2.25	1.77	1.27	1.61
Principal job in 2003–04 related to major	JOBMAJOR=1	29.26	2.08	1.74	1.20	1.43
Registered to vote	VOTEREG=1	84.62	2.20	1.38	1.60	2.55
Has a disability	DISABLE=1	6.03	0.95	0.91	1.04	1.08
Attended more than one institution in 2003–04	STUDMULT>1	2.79	1.80	0.63	2.86	8.18
Has dependents other than a spouse	DEPANY=1	16.03	3.04	1.40	2.17	4.70
U.S. Armed Forces veteran	VETERAN=1	3.33	1.80	0.69	2.63	6.89
Ever attended a community college	EVER2PUB=1	38.06	2.84	1.86	1.53	2.34
Summary statistics						
Minimum	†	†	†	†	0.96	0.92
25th percentile	†	†	†	†	1.48	2.18
Median	†	†	†	†	1.87	3.50
75th percentile	†	†	†	†	2.40	5.80
Maximum	†	†	†	†	2.99	8.93

† Not applicable.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004 National Postsecondary Student Aid Study (NPSAS:04).