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# Wave IV College Mobility Data Documentation 

CAROLINA
POPULATION CENTER

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## Documentation for College Mobility Data: Wave IV

## Introduction

At Wave IV of the Add Health survey, respondents were asked if they had received a bachelor's degree. Respondents who answered in the affirmative were then asked to report the institution from which they received this degree. Using the institution from which they received their bachelor's degree, data from the Mobility Report Card: The Role of Colleges in Intergenerational Mobility (Chetty 2017) were linked to the Add Health respondents.

For variables C4CMR01-C4CMR11M, data came from the Preferred Estimates of Access and Mobility by College dataset (Chetty et al. 2017). These data were collected from a sample of college students who were born between 1980 and 1982 and who attended a college or university in the early 2000 's. These students were between the ages of 19 and 22 at the time of their entry into college. Further information on how the original researchers collected the data for these variables can be found here: http://www.equality-of-opportunity.org/data/college/Codebook\ MRC\ Table\ 1.pdf

For variables C4FIN01-C4MAJ08, Chetty and colleagues drew these data from the Integrated Postsecondary Education Data System (IPEDS). Information for each of these variables were collected for the years 2000 and 2013 (unless otherwise stated). In some cases, there is overlap between these variables and the variables in the Wave IV College Characteristics (IPEDS4) dataset; however, in contrast to the IPEDS4 dataset, these overlapping variables in the College Mobility dataset are not matched to the year in which the respondent graduated. For variables that do overlap, it is advisable to use the version in the IPEDS4 dataset, as this information has been matched to the graduating class of the Add Health respondents. Further information on these variables can be found in the Appendix.

For all variables there were some instances where colleges were grouped together, such as when multiple colleges made up a State University-System. For these colleges, data values for the variables are enrollment-weighted means of the underlying values for each of the colleges being grouped together. The variable C4DSC06 is a flag for respondents who went to an institution that was grouped with other institutions.

## Data

This is a degree-level file, with some respondents reporting more than one bachelor's degree. College-level data were linked to each degree based on the institution from which the respondent reported receiving each degree. Reports of multiple bachelor's degrees are low however, with only 109 respondents reporting two or more. The variable C4DENUM indicates to which degree the data apply. Only students for whom Add Health collected a valid IPEDS code are included in this data file. In the interest of protecting respondents' identities, some variables were re-coded as categorical rather than continuous. The list of available variables is below:
Year degree received. ..... H4ED4
Degree number. ..... C4DENUM
Public/private non-profit/for profit ..... C4DSC01
College's level of degree offering. ..... C4DSC02
Indicator for public universities ..... C4DSC03
Historically Black college or university ..... C4DSC04
Flagship ..... C4DSC05
Represents grouped colleges ..... C4DSC06
Selectivity and type combination ..... C4PRE01
Barron's selectivity index C4PRE02
Median parent household income ..... C4CMR01
Median child individual earnings in 2014 ..... C4CMR02
Fraction of parents in the bottom $20 \%$ of the income distribution ..... C4CMR03
Fraction of parents in the top $1 \%$ of the income distribution. ..... C4CMR04
Percent of children who reach the top $20 \%$ of the income distribution among children with parents in the bottom $20 \%$ of the income distribution. .C4CMR05
Percent of children who reach the top $1 \%$ of the income distribution among children with parents in the bottom $20 \%$ of the income distribution ..... C4CMR06
Mobility rate: percent of students who have parents in the bottom $20 \%$ of the income distribution and reach the top $20 \%$ of the income distribution ..... C4CMR07
Upper-tail mobility rate: percent of students who have parents in the bottom $20 \%$ of the income distribution and reach the top $1 \%$ of the income distribution ..... C4MR08
Change in \% of parents from the bottom $20 \%$ of the income distribution between the 1980 and 1991 cohorts ..... C4CMR09
Change in \% of parents from the bottom $40 \%$ of the income distribution between the 1980 and 1991 cohorts .C4CMR10
Average number of children per cohort ..... C4CMR11
Average annual cost of attendance (tuition + fees) in 2013 ..... C4FIN01
Average annual cost of attendance (tuition + fees) in 2000 ..... C4FIN02
Average faculty salary in 2013 ..... C4FIN03
Average faculty salary in 2001 ..... C4FIN04
Endowment per student in 2000 ..... C4FIN05
Instructional expenditure per student in 2000 ..... C4FIN06
Instructional expenditure per student in 2013 ..... C4FIN07
Total instructional expenditures in 2012 ..... C4FIN08
Total instructional expenditures in 2000 ..... C4FIN09
Total IPEDS undergraduate enrollment (full time + part time) in Fall 2013 ..... C4ENR01
Total IPEDS undergraduate enrollment (full time + part time) in Fall 2000 ..... C4ENR02
Rate of students graduating within 150 percent of normal time at four-year and two-year institutions in 2013 C4SPF01
Rate of students graduating within 150 percent of normal time at four-year and two-year institutions in 2002 ..... C4SPF02
Average SAT scores (scaled to 1600) in 2013 ..... C4SPF03
Average SAT scores (scaled to 1600) in 2001 ..... C4SPF04
Net cost of attendance for bottom 20\% income quintile in 2013 from college scorecard ..... C4SCR01
Rejection (one minus acceptance) rate in 2013 from College Scorecard ..... C4SCR02
Median earnings of students in 2011 who are working and not enrolled 10 years after entry using data from College Scorecard ..... C4SCR03
Share of Asian or Pacific Islander undergraduate students in fall 2000 ..... C4DEM01
Share of Black undergraduate students in fall 2000. ..... C4DEM02
Share of Hispanic undergraduate students in fall 2000. ..... C4DEM03
Share of non-resident alien undergraduate students in fall 2000 ..... C4DEM04
Arts and humanities major share in 2000 ..... C4MAJ01
Business major share in 2000 ..... C4MAJ02
Health and medicine major share in 2000 . ..... C4MAJ03
Multi/interdisciplinary studies major share in 2000 ..... C4MAJ04
Public and social services major share in 2000 ..... C4MAJ05
STEM major share in 2000 ..... C4MAJ06
Social sciences major share in 2000 ..... C4MAJ07
Trades and personal services major share in 2000 . ..... C4MAJ08

Missing codes
The final digit of the missing codes indicates the reason for which they are missing. Missing codes that end in 2 (Ex. 92, 9992) denote that information for that variable was not available for that respondent's college or university within the IPEDS dataset. Missing codes that end in 7 (Ex. 97, 9997) denote that the respondent did not have a bachelor's degree by the time of the Wave IV interview. Missing codes that end in 8 (Ex. 98, 9998) denote respondents that had bachelor's degrees, but for which IPEDS codes were not available.

Number of observations: 15,810

| Add Health Respondent Identifier, W4 |  | AID | char 8 |
| :---: | :--- | :--- | :--- |
| 15,810 | range 10316654 to 99886999 |  |  |


| Year Received Degree, W4 |  |  |  | H4ED4 |
| ---: | ---: | :--- | :--- | :--- |
| 200 | 1998 | 1998 | num 4 |  |
| 523 | 1999 | 1999 |  |  |
| 841 | 2000 | 2000 |  |  |
| 1,040 | 2001 | 2001 |  |  |
| 1,040 | 2002 | 2002 |  |  |
| 1,016 | 2003 | 2003 |  |  |
| 926 | 2004 | 2004 |  |  |
| 720 | 2005 | 2005 |  |  |
| 532 | 2006 | 2006 |  |  |
| 490 | 2007 | 2007 |  |  |
| 245 | 2008 | 2008 |  |  |
| 8,068 | 9997 | 9997 legitimate skip |  |  |


| Degree Number, 1st, 2nd, Nth |  |  | C4DENUM | num 2 |
| ---: | ---: | :--- | :--- | :--- |
| 4,380 | 1 | 1st degree |  |  |
| 106 | 2 | 2nd degree |  |  |
| 3 | 3 | 3rd degree |  |  |
| 8,068 | 97 | 97 respondent lacked educational attainment required |  |  |


| Public/Private Non-Profit/ For Profit |  |  | C4DSC01 | num 2 |
| ---: | ---: | :--- | :--- | :--- |
| 2,883 | 1 | public |  |  |
| 1,223 | 2 | private non-profit |  |  |
| 22 | 3 | private for-profit |  |  |
| 8,068 | 97 | 97 respondent lacked educational attainment required |  |  |
| 3,614 | 98 | 98 insufficient linking data |  |  |


| Colleges Level Of Degree Offering, Four-Year/Two-Year/Less Than Two-Year |  |  |  | C4DSC02 |
| ---: | ---: | :--- | :--- | :--- |
| num 2 |  |  |  |  |
| 4,117 | 1 | four-year |  |  |
| 11 | 2 | two-year |  |  |
| 8,068 | 97 | 97 respondent lacked educational attainment required |  |  |
| 3,614 | 98 | 98 insufficient linking data |  |  |


| Indicator For Public Universities |  |  |  |  |  |  |  | C4DSC03 | num 2 |
| ---: | ---: | :--- | :--- | :--- | :---: | :---: | :---: | :---: | :---: |
| 2,883 | 1 | public |  |  |  |  |  |  |  |
| 1,245 | 2 | private |  |  |  |  |  |  |  |
| 8,068 | 97 | 97 respondent lacked educational attainment required |  |  |  |  |  |  |  |
| 3,614 | 98 | 98 insufficient linking data |  |  |  |  |  |  |  |


| Historically Black College Or University |  |  | C4DSC04 | num 2 |
| ---: | ---: | :--- | :--- | :--- |
| 3,915 | 0 | no |  |  |
| 213 | 1 | yes |  |  |
| 8,068 | 97 | 97 respondent lacked educational attainment required |  |  |
| 3,614 | 98 | 98 insufficient linking data |  |  |


| Flagship |  |  |  | num 2 |
| ---: | ---: | :--- | :--- | :--- |
| 3,858 | 0 | no | C4DSC05 | num |
| 270 | 1 | yes |  |  |
| 8,068 | 97 | 97 respondent lacked educational attainment required |  |  |
| 3,614 | 98 | 98 insufficient linking data |  |  |


| Represents grouped colleges, $1=$ yes |  | C4DSC06 | num 2 |
| ---: | ---: | :--- | :--- | :--- |
| 3,591 | 0 | no |  |
| 537 | 1 | yes |  |
| 8,068 | 97 | 97 respondent lacked educational attainment required |  |
| 3,614 | 98 | 98 insufficient linking data |  |


| Selectivity And Type Combination |  |  | C4PRE01 | num 2 |
| ---: | ---: | :--- | :--- | :--- |
| 93 | 1 | lvy plus |  |  |
| 261 | 2 | other elite schools (public and private) |  |  |
| 395 | 3 | highly selective public |  |  |
| 151 | 4 | highly selective private |  |  |
| 2,387 | 5 | selective public |  |  |
| 735 | 6 | selective private |  |  |
| 34 | 7 | nonselective four-year public |  |  |
| 41 | 8 | nonselective four-year private not-for-profit |  |  |
| 8,068 | 97 | 97 respondent lacked educational attainment required |  |  |
| 3,614 | 98 | 98 insufficient linking data |  |  |


| 354 | 1 | elite |
| ---: | ---: | :--- |
| 546 | 2 | highly selective |
| 3,128 | 3 | selective |
| 25 | 4 | non-selective |
| 75 | 92 | 92 missing in source |
| 8,068 | 97 | 97 respondent lacked educational attainment required |
| 3,614 | 98 | 98 insufficient linking data |


| Median Parent Household Income |  |  | C4CMR01 | num 7 |
| ---: | :--- | :--- | :--- | :--- |
| 4,128 |  | range 27,200 to 221,500 |  |  |
| 8,068 | 9999997 | 9999997 respondent lacked educational attainment required |  |  |
| 3,614 | 9999998 | 9999998 insufficient linking data |  |  |


| Median Child Individual Earnings In 2014* |  |  | C4CMR02 | num 6 |
| :---: | :---: | :---: | :---: | :---: |
| 4,128 |  | range 19,600 to 94,500 |  |  |
| 8,068 | 999997 | 999997 respondent lacked educational attainment required |  |  |
| 3,614 | 999998 | 999998 insufficient linking data |  |  |
| *Value 94500, 94500 or greater |  |  |  |  |


| Fraction Of Parents In The Bottom 20\% Of The Income Distribution* |  |  | C4CMR03 | num 7 |
| :---: | :---: | :---: | :---: | :---: |
| 4,128 |  | range 1.4350 to 44.4631 |  |  |
| 8,068 | 997 | 997 respondent lacked educational attainment required |  |  |
| 3,614 | 998 | 998 insufficient linking data |  |  |
| *Value 1.435, 1.435 or less. Value 44.4631, 44.4631 or greater |  |  |  |  |


| Fraction Of Parents In The Top 1\% Of The Income Distribution |  |  |  | C4CMR04 |
| ---: | ---: | :--- | :--- | :--- |
| 4,128 |  | range 0.0000 to 18.9254 |  |  |
| 8,068 | 997 | 997 respondent lacked educational attainment required |  |  |
| 3,614 | 998 | 998 insufficient linking data |  |  |


| Percent Of Children Who Reach The Top 20\% Of The Income Distribution <br> Among Children With Parents In The Bottom 20\% Of The Income Distribution | C4CMR05 | num 7 |  |
| ---: | ---: | :--- | :--- | :--- |
| 4,128 |  | range 0.8232 to 88.3516 |  |
| 8,068 | 997 | 997 respondent lacked educational attainment required |  |
| 3,614 | 998 | 998 insufficient linking data |  |


| Percent Of Children Who Reach The Top 1\% Of The Income Distribution Among <br> Children With Parents In The Bottom 20\% Of The Income Distribution* | C4CMR06 | num 7 |
| :---: | :--- | :--- | :--- |
| 4,128 | range 0.0000 to 14.7632 |  |


| 8,068 | 997 | 997 respondent lacked educational attainment required |
| ---: | ---: | :--- |
| 3,614 | 998 | 998 insufficient linking data |
| *Value $14.7632,14.7632$ or greater |  |  |


| Mobility Rate: Percent Of Students Who Have Parents In The Bottom 20\% Of <br> The Income Distribution And Reach The Top 20\% Of The Income Distribution* | C4CMR07 | num 6 |
| :--- | ---: | :--- | :--- | :--- |
| 4,128 |  | range 0.0462 to 9.7972 |
| 8,068 | 97 | 97 respondent lacked educational attainment required |
| 3,614 | 98 | 98 insufficient linking data |
| *Value 9.7972, 9.7972 or greater |  |  |


| Upper-Tail Mobility Rate: Percent Of Students Who Have Parents In The Bottom <br> 20\% Of The Income Distribution And Reach The Top 1\% Of The Income <br> Distribution* |  |  | C4CMR08 | num 7 |
| ---: | ---: | :--- | :--- | :--- |
| 4,128 |  | range 0.0000 to 0.6789 |  |  |
| 8,068 | 7 | 7 respondent lacked educational attainment required |  |  |
| 3,614 | 8 | 8 insufficient linking data |  |  |
| *Value $6789, .6789$ or greater |  |  |  |  |


| Change In \% Of Parents From The Bottom 20\% Of The Income Distribution <br> Between The 1980 And 1991 Cohorts |  | C4CMR09 | num 6 |
| ---: | ---: | :--- | :--- | :--- |
| 4,128 |  | range -24.2800 to 17.5900 |  |
| 8,068 | 997 | 997 respondent lacked educational attainment required |  |
| 3,614 | 998 | 998 insufficient linking data |  |


| Change In \% Of Parents From The Bottom 40\% Of The Income Distribution <br> Between The 1980 And 1991 Cohorts* |  |  |  |  |  |  | C4CMR10 | num 6 |
| ---: | ---: | :--- | :--- | :--- | :---: | :---: | :---: | :---: |
| 4,128 |  | range -17.8500 to 20.8400 |  |  |  |  |  |  |
| 8,068 | 997 | 997 respondent lacked educational attainment required |  |  |  |  |  |  |
| 3,614 | 998 | 998 insufficient linking data |  |  |  |  |  |  |
| *Value 20.84, 20.84 or greater |  |  |  |  |  |  |  |  |


| Average Number Of Children Per Cohort |  |  | C4CMR11 | num 6 |
| ---: | ---: | :--- | :--- | :--- |
| 4,128 |  | range 51 to 16,662 |  |  |
| 8,068 | 999997 | 999997 respondent lacked educational attainment required |  |  |
| 3,614 | 999998 | 999998 insufficient linking data |  |  |


| Average Annual Cost Of Attendance (Tuition + Fees) In 2013* |  |  | C4FIN01 | num 6 |
| :---: | :---: | :---: | :---: | :---: |
| 4,026 |  | range 257 to 26,240 |  |  |
| 102 | 999992 | 999992 missing in source |  |  |
| 8,068 | 999997 | 999997 respondent lacked educational attainment required |  |  |

*Value 26240, 26240 or greater

| Average Annual Cost Of Attendance (Tuition + Fees) In 2000 |  |  | C4FIN02 | num 6 |
| :---: | :---: | :---: | :---: | :---: |
| 4,126 |  | range 1,140 to 49,248 |  |  |
| 2 | 999992 | 999992 missing in source |  |  |
| 8,068 | 999997 | 999997 respondent lacked educational attainment required |  |  |
| 3,614 | 999998 | 999998 insufficient linking data |  |  |


| Avg. Faculty Salary In 2013* |  |  | C4FIN03 | num 7 |
| :---: | :---: | :---: | :---: | :---: |
| 4,053 |  | range 10,930 to 101,454 |  |  |
| 75 | 9999992 | 9999992 missing in source |  |  |
| 8,068 | 9999997 | 9999997 respondent lacked educational attainment required |  |  |
| 3,614 | 9999998 | 9999998 insufficient linking data |  |  |
| *Value 101454, 101454 or greater |  |  |  |  |


| Avg. Faculty Salary In 2001* |  |  | C4FIN04 | num 6 |
| ---: | ---: | :--- | :--- | :--- |
| 4,125 |  | range 2,811 to 15,397 |  |  |
| 3 | 999992 | 999992 missing in source |  |  |
| 8,068 | 999997 | 999997 respondent lacked educational attainment required |  |  |
| 3,614 | 999998 | 999998 insufficient linking data |  |  |
| *Value 15397, 15397 or greater |  |  |  |  |


| Endowment Assets Per Student In 2000* |  |  | C4FIN05 | num 10 |
| ---: | ---: | :--- | :--- | :--- |
| 2,512 |  | range 2.5816 to $25,181.7708$ |  |  |
| 1,616 | 999992 | 999992 missing in source |  |  |
| 8,068 | 999997 | 999997 respondent lacked educational attainment required |  |  |
| 3,614 | 999998 | 999998 insufficient linking data |  |  |
| *Value $25181.7708,25181.7708$ or greater |  |  |  |  |


| Instructional Expenditures Per Student In 2000* |  |  | C4FIN06 | num 6 |
| :---: | :---: | :---: | :---: | :---: |
| 4,097 |  | range 0 to 25,443 |  |  |
| 31 | 999992 | 999992 missing in source |  |  |
| 8,068 | 999997 | 999997 respondent lacked educational attainment required |  |  |
| 3,614 | 999998 | 999998 insufficient linking data |  |  |
| *Value 25443, 25443 or greater |  |  |  |  |


| 4,124 | range 0 to 48,335 |  |
| ---: | ---: | :--- |
| 4 | 999992 | 999992 missing in source |
| 8,068 | 999997 | 999997 respondent lacked educational attainment required |
| 3,614 | 999998 | 999998 insufficient linking data |
| *Value 48335,48335 or greater |  |  |


| Total Instructional Expenditures In 2012* |  |  | C4FIN08 | num 10 |
| ---: | ---: | :--- | :--- | :--- |
| 4,056 |  | range 1,347,753 to 632,463,553 |  |  |
| 72 | 9999999 <br> 992 | 9999999992 missing in source |  |  |
| 8,068 | 9999999 <br> 997 | 9999999997 respondent lacked educational attainment required |  |  |
| 3,614 | 9999999 <br> 998 | 9999999998 insufficient linking data |  |  |
| *Value 632463553, 632463553 or greater |  |  |  |  |


| Total Instructional Expenditures In 2000* |  |  | C4FIN09 | num 11 |
| ---: | ---: | :--- | :--- | :--- |
| 4,056 |  | range 1,525,950 to 1,477,533,305 |  |  |
| 72 | 9999999 <br> 9992 | 99999999992 missing in source |  |  |
| 8,068 | 9999999 <br> 9997 | 99999999997 respondent lacked educational attainment required <br> 3,6149999999 <br> 9998 | 99999999998 insufficient linking data <br> *Value 1477533305, 1477533305 or greater |  |


| Total Ipeds Undergraduate Enrollment (Full Time + Part Time) In Fall 2013* |  |  | C4ENR01 | num 6 |
| :---: | :---: | :---: | :---: | :---: |
| 4,125 |  | range 196 to 87,087 |  |  |
| 3 | 999992 | 999992 missing in source |  |  |
| 8,068 | 999997 | 999997 respondent lacked educational attainment required |  |  |
| 3,614 | 999998 | 999998 insufficient linking data |  |  |
| *Value 87087, 87087 or greater |  |  |  |  |


| Total Ipeds Undergraduate Enrollment (Full Time + Part Time) In Fall 2000* |  |  | C4ENR02 | num 7 |
| :---: | :---: | :---: | :---: | :---: |
| 4,128 |  | range 305 to 100,078 |  |  |
| 8,068 | 9999997 | 9999997 respondent lacked educational attainment required |  |  |
| 3,614 | 9999998 | 9999998 insufficient linking data |  |  |
| *Value 100078, 100078 or greater |  |  |  |  |

[^0]| 4,040 |  | range 0.0445 to 0.9976 |
| ---: | ---: | :--- |
| 88 | 2 | 2 missing in source |
| 8,068 | 7 | 7 respondent lacked educational attainment required |
| 3,614 | 8 | 8 insufficient linking data |


| Rate Of Students Graduating Within 150 Percent Of Normal Time At Four-Year <br> And Two-Year Institutions In 2002* |  |  |  |  |
| ---: | ---: | :--- | :--- | :--- |
| 4,053 |  | range 0.0996 to 0.9744 | num 6 |  |
| 75 | 2 | 2 missing in source |  |  |
| 8,068 | 7 | 7 respondent lacked educational attainment required |  |  |
| 3,614 | 8 | 8 insufficient linking data |  |  |
| *Value $.0996, .0996$ or less |  |  |  |  |


| Average Sat Scores (Scaled To 1600) In 2013* |  |  | C4SPF03 | num 6 |
| :---: | :---: | :---: | :---: | :---: |
| 3,036 |  | range 834 to 1,451 |  |  |
| 1,092 | 99992 | 99992 missing in source |  |  |
| 8,068 | 99997 | 99997 respondent lacked educational attainment required |  |  |
| 3,614 | 99998 | 99998 insufficient linking data |  |  |
| *Value 834, 834 or less |  |  |  |  |


| Average Sat Scores (Scaled To 1600) In 2001* |  |  |  | C4SPF04 |
| ---: | ---: | :--- | :--- | :--- |
| 3,639 |  | range 814.5000 to 1,501.0000 6 |  |  |
| 489 | 99992 | 99992 missing in source |  |  |
| 8,068 | 99997 | 99997 respondent lacked educational attainment required |  |  |
| 3,614 | 99998 | 99998 insufficient linking data |  |  |
| *Value 1501, 1501 or greater |  |  |  |  |


| Net Cost Of Attendance For Bottom 20\% Income Quintile In 2013 From College <br> Scorecard* |  |  |  |  |  |  | C4SCR01 | num 6 |
| ---: | ---: | :--- | :--- | :--- | :---: | :---: | :---: | :---: |
| 4,125 |  | range 1,062 to 33,721 |  |  |  |  |  |  |
| 3 | 999992 | 999992 missing in source |  |  |  |  |  |  |
| 8,068 | 999997 | 999997 respondent lacked educational attainment required |  |  |  |  |  |  |
| 3,614 | 999998 | 999998 insufficient linking data |  |  |  |  |  |  |
| *Value 33721, 33721 or greater |  |  |  |  |  |  |  |  |


| Rejection (One Minus Acceptance) Rate In 2013 From College Scorecard |  |  | C4SCR02 | num 6 |
| :---: | :---: | :---: | :---: | :---: |
| 4,022 |  | range 0.0120 to 0.9035 |  |  |
| 106 | 2 | 2 missing in source |  |  |
| 8,068 | 7 | 7 respondent lacked educational attainment required |  |  |


| Median Earnings Of Students In 2011 Who Are Working And Not Enrolled 10 <br> Years After Entry Using Data From College Scorecard* |  |  |  |  |  |  | C4SCR03 | num 6 |
| ---: | ---: | :--- | :--- | :--- | :---: | :---: | :---: | :---: |
| 4,118 |  | range 24,819 to 87,526 |  |  |  |  |  |  |
| 10 | 999992 | 999992 missing in source |  |  |  |  |  |  |
| 8,068 | 999997 | 999997 respondent lacked educational attainment required |  |  |  |  |  |  |
| 3,614 | 999998 | 999998 insufficient linking data |  |  |  |  |  |  |
| *Value 87526,87526 or greater |  |  |  |  |  |  |  |  |


| Share Of Asian Or Pacific Islander Undergraduate Students In Fall 2000 |  |  | C4DEM01 | num 6 |
| :---: | :---: | :---: | :---: | :---: |
| 4,125 |  | range 0.0000 to 0.4025 |  |  |
| 3 | 2 | 2 missing in source |  |  |
| 8,068 | 7 | 7 respondent lacked educational attainment required |  |  |
| 3,614 | 8 | 8 insufficient linking data |  |  |


| Share Of Black Undergraduate Students In Fall 2000 |  |  | C4DEM02 | num 6 |
| ---: | ---: | :--- | :--- | :--- |
| 4,125 |  | range 0.0023 to 0.9962 |  |  |
| 3 | 2 | 2 missing in source |  |  |
| 8,068 | 7 | 7 respondent lacked educational attainment required |  |  |
| 3,614 | 8 | 8 insufficient linking data |  |  |


| Share Of Hispanic Undergraduate Students In Fall 2000 |  |  | C4DEM03 | num 6 |
| ---: | ---: | :--- | :--- | :--- |
| 4,125 |  | range 0.0000 to 0.9350 |  |  |
| 3 | 2 | 2 missing in source |  |  |
| 8,068 | 7 | 7 respondent lacked educational attainment required |  |  |
| 3,614 | 8 | 8 insufficient linking data |  |  |


| Share Of Non-Resident Alien Undergraduate Students In Fall 2000 |  |  |  | C4DEM04 |
| ---: | ---: | :--- | :--- | :--- |
| 4,125 |  | range 0.0000 to 0.4039 |  |  |
| 3 | 2 | 2 missing in source |  |  |
| 8,068 | 7 | 7 respondent lacked educational attainment required |  |  |
| 3,614 | 8 | 8 insufficient linking data |  |  |


| Arts And Humanities Major Share In 2000* |  |  | C4MAJ01 | num 5 |
| :---: | :---: | :---: | :---: | :---: |
| 4,125 |  | range 0 to 100 |  |  |
| 3 | 9992 | 9992 missing in source |  |  |
| 8,068 | 9997 | 9997 respondent lacked educational attainment required |  |  |
| 3,614 | 9998 | 9998 insufficient linking data |  |  |

*Value 0.4, between 0-0.4

| Business Major Share In 2000* |  |  |  | C4MAJ02 |
| ---: | ---: | :--- | :--- | :--- |
| num 5 |  |  |  |  |
| 4,125 |  | range 0 to 100 |  |  |
| 3 | 9992 | 9992 missing in source |  |  |
| 8,068 | 9997 | 9997 respondent lacked educational attainment required |  |  |
| 3,614 | 9998 | 9998 insufficient linking data |  |  |
| *Value 0.92, between $0-0.92$ |  |  |  |  |


| Health And Medicine Major Share In 2000* |  |  | C4MAJ03 | num 5 |
| ---: | ---: | :--- | :--- | :--- |
| 4,125 |  | range 0.0000 to 97.1000 |  |  |
| 3 | 992 | 992 missing in source |  |  |
| 8,068 | 997 | 997 respondent lacked educational attainment required |  |  |
| 3,614 | 998 | 998 insufficient linking data |  |  |
| *Value 0.18, between $0-0.18$ |  |  |  |  |


| Multi/Interdisciplinary Studies Major Share In 2000 |  |  | C4MAJ04 | num 5 |
| ---: | ---: | :--- | :--- | :--- |
| 4,125 |  | range 0.0000 to 98.5100 |  |  |
| 3 | 992 | 992 missing in source |  |  |
| 8,068 | 997 | 997 respondent lacked educational attainment required |  |  |
| 3,614 | 998 | 998 insufficient linking data |  |  |


| Public And Social Services Major Share In 2000 |  |  | C4MAJ05 | num 5 |
| ---: | ---: | :--- | :--- | :--- |
| 4,125 |  | range 0.0000 to 99.5200 |  |  |
| 3 | 992 | 992 missing in source |  |  |
| 8,068 | 997 | 997 respondent lacked educational attainment required |  |  |
| 3,614 | 998 | 998 insufficient linking data |  |  |


| Stem Major Share In 2000 |  |  | C4MAJ06 | num 5 |
| ---: | ---: | :--- | :--- | :--- |
| 4,125 |  | range 0.0000 to 99.9600 |  |  |
| 3 | 992 | 992 missing in source |  |  |
| 8,068 | 997 | 997 respondent lacked educational attainment required |  |  |
| 3,614 | 998 | 998 insufficient linking data |  |  |


| Social Sciences Major Share In 2000 |  |  | C4MAJ07 | num 5 |
| ---: | ---: | :--- | :--- | :--- |
| 4,125 |  | range 0.0000 to 72.4500 |  |  |
| 3 | 992 | 992 missing in source |  |  |
| 8,068 | 997 | 997 respondent lacked educational attainment required |  |  |


| Trades And Personal Services Major Share In 2000 |  |  | C4MAJ08 | num 5 |
| ---: | ---: | :--- | :--- | :--- |
| 4,125 |  | range 0.0000 to 99.9900 |  |  |
| 3 | 992 | 992 missing in source |  |  |
| 8,068 | 997 | 997 respondent lacked educational attainment required |  |  |
| 3,614 | 998 | 998 insufficient linking data |  |  |

Appendix
Table 1: Differences between the overlapping variables in College Mobility IV and College Characteristics IV

| Variable | College Mobility (CM4) Name | College Characteristics (IPEDS4) Name | Description of difference |
| :---: | :---: | :---: | :---: |
| Sector of institution and affiliation of institution | $\begin{aligned} & \text { C4DSC01, } \\ & \text { C4DSC02 } \end{aligned}$ | I4DSC1 | CM4 contains two variables for this information: one indicates whether the institution is a 4 -year or 2 -year institution (C4DSC01), while the other indicates if the university is public, private non-profit, or private forprofit (C4DSC01). In IPEDS4, this information is combined into one variable (I4DSC1). Both datasets also contain variables that simply denote if the institution is public or private (CM4: C4DSC03, IPEDS4: I4DSC2). However, only in the IPEDS4 dataset is the religious affiliation of the institution available. |
| Cohort size | C4CMR11 | I4DEM01 | In CM4, this variable is the average Fall cohort size for an institution for children in the birth-year cohorts of 1980-82. For cohort size, IPEDS4 provides information on the number of students in each Fall cohort that are full-time students seeking a degree for the first time. |
| SAT scores | C4SPF03, C4SPF04 | I4SPF1-6 | In the CM4 dataset, SAT scores are the average of the $25^{\text {th }}$ and $75^{\text {th }}$ percentile scores for those admitted to the institution. These averages are taken from the sum of math and critical reading scores, resulting in a range of $0-1600$. This information is available for both 2001 (C4SPF04) and 2013 (C4SPF03). In IPEDS4, individual information is available for the $25^{\text {th }}$ and $75^{\text {th }}$ percentile score for both math and critical reading, as well as writing for the years in which it is applicable. |
| \% of institution in each racial category | $\begin{aligned} & \text { C4DEM01- } \\ & 3 \end{aligned}$ | I4DEM02-5 | In CM4, information for these variables was taken for each institution in the year 2000. In IPEDS4, information for these variables is linked to the year of graduation for the Add Health respondent. |
| Tuition | C4FIN01, <br> C4FIN02 | I4FIN3, I4FIN4 | In CM4, the two variables for tuition are the average cost of attendance at the institution for the years 2013 (C4FIN01) and 2000 (C4FIN02). In IPEDS4, information is available for in-state tuition (I4FIN3) and out-of-state tuition (I4FIN4) |


[^0]:    Rate Of Students Graduating Within 150 Percent Of Normal Time At Four-Year
    And Two-Year Institutions In 2013

