

COMMON MEASURES FOR COLLEGE ACCESS AND SUCCESS

Access Outcome: Will students enroll in postsecondary education?

Academic Indicators

- Essential Indicators:
- Percent of students on track to/completing common core/rigorous college prep curriculum as defined by their state ^{1,2,3}
 - Average High School GPA ^{4,5,6,7,8}
- If Available Indicators:
- Percent of eligible students enrolled in AP courses ^{9,10,11}
 - Percent of students earning greater than a 3 on AP tests ^{12,13,14}
 - Percent of students enrolled in dual credit courses ^{15,16,17,18}
 - Percent of students with Algebra II (or higher) mastery ^{19,20,21}
 - Percent of on-time high school graduates ^{22,23,24}

- Potential Data Sources**
- ⇒ School District Student Information System
 - ⇒ Student Transcript
 - ⇒ School District Data
 - ⇒ State Department of Education

Testing Indicators

- Essential Indicators:
- Percent of students taking SAT ^{25,26,27,28}
 - Percent of students taking ACT ^{29,30}
- If Available Indicators:
- Percent of students taking PSAT/Aspire ^{31,32,33,34,35,36,37}
 - Percent of students exceeding national 'college-ready' benchmark scores ^{38,39,40,41}

- Potential Data Sources**
- ⇒ The College Board
 - ⇒ ACT
 - ⇒ School District Data / Guidance Department

Admissions Indicators

- Essential Indicators:
- Percent of students completing college admissions applications, by school type ^{42,43,44,45}
- If Available Indicators:
- Average number of applications completed per student ⁴⁶
 - Percent of students visiting a college campus applied to ^{47,48}
 - Percent of students accepted into at least one higher education institution ^{49,50}

- Potential Data Sources**
- ⇒ School District Data/ Guidance Department
 - ⇒ Local College Access Program
 - ⇒ Student Self- Reported Data

Financial Aid Indicators

- Essential Indicators:
- Percent of students who complete and submit a FAFSA form
 - Percent of students awarded financial aid
- If Available Indicators:
- Amount of total financial aid awarded (total and per student), by aid type
 - Percent of students that complete supplementary scholarship applications

End notes for the indicators in this section are numbers 51-60.

- Potential Data Sources**
- ⇒ School District Data/ Guidance
 - ⇒ Local College Access Program
 - ⇒ Student Self-Reported Data
 - ⇒ US Dept. of Education/ FAFSA Completion Project

Core Demographic Data

- First Generation College-Going ^{61,62,63,64}
- Free/Reduced Lunch Status ^{37,5}
- Race ^{38,39}
- ESL Status ⁴⁰
- Gender ⁴¹

- Potential Data Sources**
- ⇒ School District Student Information System
 - ⇒ Student Self- Reported Data

Endnotes for Access Indicators

Academic

- 1-3. [Horn, L. & Kojaku, L.K. \(2001\)](#); [Warburton, E.C., Bugarin, R., & Nunez, A. \(2001\)](#); Long, M. C., Conger, D., & Iatarola, P. (2012).
- 4-8. [Geiser, S., & Santelices, M. V. \(2007\)](#); [Adelman, C. \(2006\)](#); [Barbuti, S. M., Kobrin, J. L., Patterson, B. F., Shaw, E. J., & Mattern, K. D. \(2008\)](#); [Farrington, C. A., Roderick, M., Allensworth, E., Nagaoka, J., Keyes, T. S., Johnson, D. W., & Beechum, N. O. \(2012\)](#); [Belfield, C., & Crosta, P. M. \(2012\)](#).
- 9-11. [Mattern, K.D., Shaw, E.J., & Xiong, X. \(2009\)](#); Jackson, C. K. (2010); Chajewski, M., Mattern, K. D., & Shaw, E. J. (2011).
- 12-14. [Mattern, K.D., Shaw, E.J., & Xiong, X. \(2009\)](#); Jackson, C. K. (2010); Smith, J., [Hurwitz, M., & Avery, C. \(2015\)](#).
- 15-18. [Karp, M. M., Calcagno, J. C., Hughes, K. L., Jeong, D. W., & Bailey, T. R. \(2007\)](#); [Swanson, J. L. \(2008\)](#); An, B. P. (2012); [Speroni, C. \(2011\)](#).
- 19-21. [Rose, H., & Betts, J. R. \(2001\)](#); Long, M. C., Conger, D., & Iatarola, P. (2012); [Horn, L., & Nuñez, AM. \(2000\)](#).
- 22-24. [Hull, J. \(2009\)](#); Zhang, J., Guison-Dowdy, A., Patterson, M. B., & Song, W. (2011); Guison-Dowdy, A., & Patterson, M. B. (2011).

Testing

- 25-28. [Barbuti, S. M., Kobrin, J. L., Patterson, B. F., Shaw, E. J., & Mattern, K. D. \(2008\)](#); [Mattern, K. D., & Patterson, B. F. \(2014\)](#); [Mattern, K. D., Patterson, B. F., & Kobrin, J. L. \(2012\)](#); Sackett, P. R., Borneman, M. J., & Connelly, B. S. (2008) .
- 29-30. [Noble, J., & Sawyer, R. \(2002\)](#); [Sackett, P. R., Borneman, M. J., & Connelly, B. S. \(2008\)](#).
- 31-37. [Zhang, X., Patel, P., & Ewing, M. \(2014\)](#); [Proctor, T. P., Wyatt, J. N., & Wiley, A. \(2010\)](#); [Proctor, T. P., & Kim, Y. \(2010\)](#); [Milewski, G. B., & Sawtell, E. A. \(2006\)](#); [Marini, J., Mattern, K. D., & Shaw, E. J. \(2011\)](#); [Allen, J. & Liu, R. \(2015\)](#); [Radunzel, J., Mattern, K., & Allen, J. \(2015\)](#).
- 38-41. Kobrin, J.L. (2007); [Wyatt, J., Kobrin, J., Wiley, A., Camara, W. J., & Proestler, N. \(2011\)](#); [Mattern, K.D., Shaw, E.J., & Marini, J. \(2013\)](#); [Allen, J. \(2013\)](#).

Admissions

- 42-45. Klasik, D. (2012); [Horn, L. J. \(1997\)](#); Cabrera, A. F., & La Nasa, S. M. (2001); [Avery, C., & Kane, T. J. \(2004\)](#).
46. [Smith, J. \(2011\)](#).
- 47-48. Tillery, C. Y. (2013); [Avery, C., & Kane, T. J. \(2004\)](#).
- 49-50. [Hahn, R. D., & Price, D. \(2008\)](#); Klasik, D. (2012).

Financial Aid

- 51-60. Klasik, D. (2012); [Page, L. C., & Scott-Clayton, J. \(2015\)](#); [Tinto, V. \(2004\)](#); Bettinger, E. (2004); [Castleman, B. L., & Long, B. T. \(2013\)](#); [Richburg-Hayes, L., Brock, T., LeBlanc, A., Paxson, C. H., Rouse, C. E., & Barrow, L. \(2009\)](#); [Goldrick-Rab, S., Harris, D., Kelchen, R., & Benson, J. \(2012\)](#); MacDonal, H., Malatest, R., Assels, R., Bround, R., et al. (2009); Angrist, J., Lang, D., & Oreopoulos, P. (2009); [Welbeck, R., Diamond, J., Mayer, A., & Richburg-Hayes, L. \(2014\)](#).

Core Demographics

- 61-64. [Adelman, C. \(2006\)](#); [Chen, X., & Carroll, C. D. \(2005\)](#); [Tym, C., McMillion, R., Barone, S., & Webster, J. \(2004\)](#); [Miyazaki, Y., & Janosik, S. M. \(2009\)](#).
- 65-66. [Cabrera, A. F., Burkum, K. R., & La Nasa, S. M. \(2005\)](#); [National Student Clearinghouse Research Center \(2015\)](#).
- 67-69. [Adelman, C. \(2006\)](#); [National Center of Education Statistics \(2015\)](#); [National College Access Network. \(2015\)](#).
- 70-71. [Callahan, R. M. \(2013\)](#); [U.S. Department of Education. \(2015\)](#).
- 72-74. [Ross, T., Kena, G., Rathbun, A., KewalRamani, A., Zhang, J., Kristapovich, P., & Manning, E. \(2012\)](#); [Conger, D., & Long, M. C. \(2010\)](#); [National Center of Education Statistics \(2015\)](#).

COMMON MEASURES FOR COLLEGE ACCESS AND SUCCESS

Success Outcome: Will students complete a postsecondary credential?

Pre-Enrollment Indicators

If Available Indicators:

- Percent of students participating in college orientation programs
- Percent of students participating in summer bridge programs ^{75,76,77}

Potential Data Sources

- ⇒ Higher Education Institutions
- ⇒ Student Self-Reported Data

Enrollment Indicators

Essential Indicators:

- Percent of students who enroll within six months of high school graduation ^{78,79}
- Student enrollment by institution type and status (full time vs. part time) ^{80,81,82}

If Available Indicators:

- Percent of students who enroll within 12 months of high school graduation ^{83,84}

Potential Data Sources

- ⇒ National Student Clearinghouse
- ⇒ Student Self-Reported Data

Academic Indicators

Essential Indicators:

- Percent of students placed into remedial courses (English/Math) ^{85,86,87,88,89}

If Available Indicators:

- Percent of students completing remedial coursework within one academic year ^{90,91,92}
- Percent of students completing college level math course ^{93,94}
- Percent of courses attempted compared to courses successfully completed ^{95,96}
- Percent of students completing more than 20 credits in first academic year ^{97,98,99}
- Average college GPA ^{100,101}

Potential Data Sources

- ⇒ Higher Education Institutions
- ⇒ Student Transcript

Persistence and Completion Indicators

Essential Indicators:

- Year to year student persistence ^{102,103,104,105}
- Term to Term student persistence ^{106,107,108,109}
- Percent of students completing a degree within 150% of time, by school type ^{110,111,112}

If Available Indicators:

- Percent of eligible students transferring from 2-year to 4-year programs with or without Associate's Degree ^{113,114,115,116}

Potential Data Sources

- ⇒ National Student Clearinghouse
- ⇒ Higher Education Institutions
- ⇒ Student Transcript

Financial Aid Indicators

Essential Indicators:

- Percent of students who complete and submit renewal FAFSA form
- Percent of students awarded financial aid

If Available Indicators:

- Amount of financial aid awarded (total and per student)
- Percent of students working greater than 20 hours per week ^{117,118,119,120}

End notes for the indicators in this section are numbers 121-130.

Potential Data Sources

- ⇒ Student Self-Reported Data
- ⇒ Higher Education Institutions
- ⇒ Local College Access Program

Core Demographic Data

- First Generation College-Going ^{131,132,133,134}
- Pell Grant Eligible ^{135,136,137}
- Race ^{138,139,140}
- ESL Status ^{141,142}
- Gender ^{143,144,145}
- Selected vs. Undecided Majors

Potential Data Sources

- ⇒ Student Self-Reported Data
- ⇒ Higher Education Institutions

Endnotes for Success Indicators

Pre-Enrollment

75-77: Barnett, E. A., Bork, R. H., Mayer, A. K., Pretlow, J., Wathington, H. D., & Weiss, M. J. (2012); Murphy, T. E., Gaughan, M., Hume, R., & Moore, S. G. (2010); Strayhorn, T. L. (2011).

Enrollment

78-79: Niu, S., & Tienda, M. (2013); Bozick, R., & DeLuca, S. (2005).
80-82: Bozick, R., & DeLuca, S. (2005); [Adelman, C. \(2006\)](#); Kuh, G. D. (2006).
83-84: Niu, S., & Tienda, M. (2013); Bozick, R., & DeLuca, S. (2005).

Academic

85-89: Scott-Clayton, J., & Rodriguez, O. (2012); Martorell, P., & McFarlin Jr, I. (2011); Bettinger, E., & Long, B. T. (2004); Bettinger, E. P., & Long, B. T. (2009); Calcagno, J. C., & Long, B. T. (2008).
90-92: Bettinger, E., & Long, B. T. (2004); Calcagno, J. C., & Long, B. T. (2008); Bailey, T., Jeong, D. W., & Cho, S. W. (2010).
93-94: [Offenstein, J., Moore, C., & Shulock, N. \(2010\)](#); [Adelman, C. \(2006\)](#).
95-96: [Offenstein, J., Moore, C., & Shulock, N. \(2010\)](#); [Adelman, C. \(1999\)](#).
97-99: [Adelman, C. \(1999\)](#); [Offenstein, J., Moore, C., & Shulock, N. \(2010\)](#); [McCormick, A. C., & Carroll, C. D. \(1999\)](#).
100-101: [Adelman, C. \(2006\)](#); [Education Advisory Board. \(2014\)](#).

Persistence and Completion

102-105: [Cuccaro-Alamin, S. \(1997\)](#); Cabrera, A. F., Burkum, K. R., La Nasa, S. M., & Bibo, E.W. (2005); [Adelman, C. \(2006\)](#); [Offenstein, J., Moore, C., & Shulock, N. \(2010\)](#).
106-109: [Offenstein, J., Moore, C., & Shulock, N. \(2010\)](#); [Crosta, P. M. \(2014\)](#); [Cuccaro-Alamin, S. \(1997\)](#); Cabrera, A. F., Burkum, K. R., La Nasa, S. M., & Bibo, E.W. (2005).
110-112: [Glenn, D. \(2010, December 7\)](#); Horn, L. (2010); NCAN analysis of U.S. Department of Education.
113-116: Wang, X. (2009); [Adelman, C. \(1999\)](#); [Adelman, C. \(2006\)](#); [McCormick, A. C., & Carroll, C. D. \(1999\)](#).

Financial Aid

117-120: [Horn, L., & Kojaku, L.K. \(2001\)](#); [Bradburn, E. M. \(2002\)](#); [Horn, L. J. \(1998\)](#); [Scott-Clayton, J. \(2012\)](#).
121-130: Klasik, D. (2012); [Page, L. C., & Scott-Clayton, J. \(2015\)](#); [Tinto, V. \(2004\)](#); Bettinger, E. (2004); [Castleman, B. L., & Long, B. T. \(2013\)](#); [Richburg-Hayes, L., Brock, T., LeBlanc, A., Paxson, C. H., Rouse, C. E., & Barrow, L. \(2009\)](#); [Goldrick-Rab, S., Harris, D., Kelchen, R., & Benson, J. \(2012\)](#); MacDonald, H., Malatest, R., Assels, R., Bround, R., et al. (2009); Angrist, J., Lang, D., & Oreopoulos, P. (2009); [Welbeck, R., Diamond, J., Mayer, A., & Richburg-Hayes, L. \(2014\)](#).

Core Demographics

131-134. [Adelman, C. \(2006\)](#); [Chen, X., & Carroll, C. D. \(2005\)](#); [Tym, C., McMillion, R., Barone, S., & Webster, J. \(2004\)](#); [Miyazaki, Y., & Janosik, S. M. \(2009\)](#).
135-137. [Cabrera, A. F., Burkum, K. R., & La Nasa, S. M. \(2005\)](#); [National Student Clearinghouse Research Center \(2015\)](#); [Nichols, A.H. \(2015\)](#).
138-140. [Adelman, C. \(2006\)](#); [National Center of Education Statistics \(2015\)](#); [National College Access Network. \(2015\)](#).
141-142. [Callahan, R. M. \(2013\)](#); [U.S. Department of Education \(2015\)](#).
143-145. [Ross, T., Kena, G., Rathbun, A., KewalRamani, A., Zhang, J., Kristapovich, P., & Manning, E. \(2012\)](#); [Conger, D., & Long, M. C. \(2010\)](#); [National Center of Education Statistics \(2015\)](#).

See NCAN's Common Measures Handbook for Full Citations

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