**Thomas Snyder**

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**Statistician/policy analyst**

Internationally recognized expert in designing, developing, and reviewing statistical indicators on education data. Experience leading teams on complex and high-profile projects, providing a quick turnaround on analytic tasks for senior policy makers. Proven track record using federal data relevant to education and other social science studies and extensive experience in the federal statistical system developing statistical reports and policy-relevant analyses. Skilled in conducting outreach activities for a federal statistical agency.

**Areas of Expertise**

Public Policy | Program Management | Program Evaluation | Data Analysis | Survey Research | Staff Development | Report Writing | Educational Research | International Relations

**Experience**

**American Institutes for Research,** Washington, DC **2020 - 2025**

**Managing Director**

**Project Director, American Institutes for Research, Healthy Students Learn Better, 2022 - 2025**

Directed interdisciplinary project on the impact of health and environmental factors on student achievement, resulting in the release of 4 practice guides to guide community decision making. The 3-year project implemented four coordinated tasks to support long-term policy actions and immediate local-level projects: 1) analyzed NAEP data in the context of local health and environmental data; 2) synthesized existing research in the health and education research fields in a series of practice guides; 3) conducted a quasi-experimental design study using school-level HVAC data to analyze achievement growth; and 4) implemented an outreach strategy by coordinating blogs, a webinar, and media activities. Led the development of 5-10 research and statistical proposals per year ranging in size from $0.5 million to over $10 million.

**Project Director, National Science Foundation, National Center for Science and Engineering Statistics, Analytical and Technical Support Services IDIQ, 2021 - 2025**

Provided strategic direction for a new range of AIR support for NCSES. Led development of new proposals and project teams to address forthcoming activities with NCSES. Drew on a broad range of statistical and topical expertise within the federal statistical system to respond to ongoing needs of NCSES.

**Project Advisor, U.S. Department of Education, Office of the Chief Data Officer, Data Analytic and Evaluation Studies, ODAES 2021 - 2023**

Developed analytic frameworks for proposals for a mixed method analysis on interagency data exchanges on students in foster care and a time series analysis of trends in achievement outcomes of economically disadvantaged students. Provided ongoing consultation and reviews for project leads on analytic methods and data sources.

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

**Supervisor, Annual Reports and Information Staff, National Center for Education Statistics, U.S. Department of Education, 2013 - 2019**

Provided general management for the Annual Reports and Information Staff, including 4-10 staff and a support contract budget of over $5 million annually.

* Managed and reviewed major statistical reports such as the congressionally mandated *Condition of Education*, annual *Projections of Education Statistics*, other publications, and computation of formula grant allocations totaling over $15 billion for the Department of Education.
* Guided managers and project directors on NCES review requirements and managed the review tracking system.
* Served as project director for the annual *Digest of Education Statistics* and other periodic reports, including *Indicators of School Crime and Safety*, and one-time congressionally mandated reports, such as the *Study of the Title I, Part A Grant Program Mathematical Formulas*.
* Directed and conducted analyses on an extensive array of federal data sets, ranging from archival NCES administrative record surveys to the most recent Current Population Survey and American Community Survey data from the Census Bureau. Served as the NCES focal point for responding to statistical requests from news media and provided or facilitated press interviews and C-SPAN presentations.
* Managed NCES outreach activities including blogs, social media, press outreach, and conference exhibits including strategic planning, project management, press relations, coordination with other offices, organizations, and agencies, and evaluation and monitoring of outreach success. Represented NCES on interagency activities, including federal Forum on Child and Family Statistics, which produces annual *America’s Children: Key National Indicators of Well Being*. Provided consultative services, briefings, and quick turnaround studies to senior Department of Education officials on policy-related statistics covering a variety of topics and release formats.
* Served as chair of the Organization for Economic Cooperation and Development (OECD), Working Party on Indicators of National Education Systems for 6 years; provided leadership to representatives of 37 member countries and other organizations to build consensus on appropriate metrics for policymaking, improve statistical methods, and expand statistical capacity on a wide range of education and related topics.
* Served as U.S. representative on the OECD Network on Labor and Social Outcomes of Education, and on the OECD Network on Education System Level Information. Responsible for the submission of statistics on the U.S education system and related data for international organizations, in cooperation with other federal agencies.

**Director, Annual Reports Program, National Center for Education Statistics, U.S. Department of Education**

Provided general management for the Annual Reports Program, including 5-8 staff and an annual contract support budget of over $3 million, involving products such the congressionally mandated Condition of Education, annual Projections of Education Statistics, other publications, and formula grant allocations totaling over $10 billion.

* Served as project director for the annual *Digest of Education Statistics* starting in 1986, and for many other periodic and one-time reports.
* Represented the U.S. on OECD Working Party on Indicators of National Education Systems, OECD Network on Labor and Social Outcomes of Education, and OECD Network on Education System Level Information.
* Served as a focal point for responding to statistical requests from news media.
* Provided briefings for senior Department of Education staff on education statistics covering a variety of topics.

**Education**

**Master of Arts (MA), History**

George Mason University

**Bachelor of Arts (BA), History**

George Mason University

**Professional Affiliations**

American Educational Research Association

American Education Finance Association

**Selected Publications**

Snyder, T., Lindsay, J., Roberts, A., & Spingler, L. (2024). *50 States of Arts Participation: 2022–A Geographical Analysis of Results from the Survey of Public Participation in the Arts*. Washington, DC: National Endowment for the Arts, National Arts Statistics and Evidence-based Reporting Center.

Roberts, A., Snyder, T, Spingler, L., Lindsay, J. & Blair, D. (2024). *The Arts in the United States: Developing Key National Indicators of Arts Activity*. Washington, DC: National Endowment for the Arts, National Arts Statistics and Evidence-based Reporting Center.

Yarnell, L., Snyder, T., Bohrnstedt, G., and Broer, M. (2024). Differences in 2019–2022 COVID-related NAEP urban district score declines in grade 4 based on county-level health and socioeconomic data. [AIR-NAEP Working Paper # 2024-02]. Washington, DC: American Institutes for Research.

Elliott, E., Auerbach, J., Citro, C., Elchert, D., Pierson, S., Seastrom, M., Snyder, T., Wallman, K., & Woodworth, J. (2024) *Bolstering Education Statistics to Serve the Nation*, Statistics and Public Policy, 11:1.

Provasnik, S., Barnett, M., Snyder, T., Zhang, A., and Cui, J. (2022). *A Retrospective Look at U.S. Education Statistics.* Washington, DC: U.S. Department of Education, National Center for Education Statistics.

de Brey, C., Snyder, T.D., Zhang, A., and Dillow, S.A. (2021). *Digest of Education Statistics, 2019*. Washington, DC: U.S. Department of Education, National Center for Education Statistics.

Snyder, T.D., de Brey, C., and Dillow, S.A. (2019). *Digest of Education Statistics, 2018*. Washington, DC: U.S. Department of Education, National Center for Education Statistics.

Snyder, T.D., Dinkes, R.B., Sonnenberg, W.C., and Cornman, S.Q. (2019) *Study of the Title I, Part A Grant Program Mathematical Formulas*. Washington, DC: U.S. Department of Education, National Center for Education Statistics.

Snyder, T.D., de Brey, C., and Dillow, S.A. (2019). *Digest of Education Statistics, 2017.* Washington, DC: U.S. Department of Education, National Center for Education Statistics.

Snyder, T.D., de Brey, C., and Dillow, S.A. (2018). *Digest of Education Statistics, 2016.* Washington, DC: U.S. Department of Education, National Center for Education Statistics.

McFarland, J., Hussar, B., de Brey, C., Snyder, T., Wang, X., Wilkinson-Flicker, S., Gebrekristos, S., Zhang, J., Rathbun, A., Barmer, A., Bullock Mann, F., and Hinz, S. (2017) *Condition of Education 2017*. Washington, DC: U.S. Department of Education, National Center for Education Statistics.

Snyder, T.D., de Brey, C., and Dillow, S.A. (2016). *Digest of Education Statistics, 2015*. Washington, DC: U.S. Department of Education, National Center for Education Statistics.

Snyder, T.D., de Brey, C., and Dillow, S.A. (2016). *Digest of Education Statistics, 2014*. Washington, DC: U.S. Department of Education, National Center for Education Statistics.

Snyder, T.D. and Dillow, S.A. (2015). *Digest of Education Statistics, 2013*. Washington, DC: U.S. Government Printing Office.

Snyder, T.D. and Dillow, S.A. (2013). *Digest of Education Statistics, 2012*. Washington, DC: U.S. Government Printing Office.

Snyder, T.D. and Dillow, S.A. (2012). *Digest of Education Statistics, 2011*. Washington, DC: U.S. Government Printing Office.

Snyder, T.D. and Dillow, S.A. (2011). *Digest of Education Statistics, 2010*. Washington, DC: U.S. Government Printing Office.

Aud, S., Hussar, W., Planty, M., Snyder, T., Bianco, K., Fox, M., Frohlich, L., Kemp, J., and Drake, L. (2010). *Condition of Education 2010*. Washington, DC: U.S. Government Printing Office.

Snyder, T.D. and Dillow, S.A. (2010). *Digest of Education Statistics, 2009*. Washington, DC: U.S. Government Printing Office.

Planty, M., Hussar, W., Snyder, T, Kena, G., KewalRamani, A., Kemp, J., Bianco, K., and Dinkes, R. (2009). *Condition of Education 2009*. Washington, DC: U.S. Government Printing Office.

Snyder, T.D., Dillow, S.A., and Hoffman, C.M. (2009). *Digest of Education Statistics, 2008*. Washington, DC: U.S. Government Printing Office.

Snyder, T.D., Dillow, S.A., and Hoffman, C.M. (2008). *Digest of Education Statistics, 2007*. Washington, DC: U.S. Government Printing Office.

Snyder, T.D., Dillow, S.A., and Hoffman, C.M. (2007). *Digest of Education Statistics, 2006*. Washington, DC: U.S. Government Printing Office.

Snyder, T.D., Tan, A.G., and Hoffman, C.M. (2006). *Digest of Education Statistics, 2005*. Washington, DC: U.S. Government Printing Office.

DeVoe, J., Peter, K., Noonan, M., Snyder, T., and Baum, K., (2005). *Indicators of School Crime and Safety: 2005*. Washington, DC: U.S. Government Printing Office.

Snyder, T.D. and Tan, A.G. (2005). *Digest of Education Statistics, 2004*. Washington, DC: U.S. Department of Education, National Center for Education Statistics.

Fox, M.A., Connolly, B.A., and Snyder, T.D. (2005). *Youth Indicators, 2005: Trends in the Well-Being of American Youth*. Washington, DC: U.S. Government Printing Office.

Snyder, T.D., Tan, A.G., and Hoffman, C.M. (2004). *Digest of Education Statistics, 2003*. Washington, DC: U.S. Government Printing Office.

DeVoe, J., Peter, K., Kaufman, P., Miller, A., Noonan, M., Snyder, T., and Baum, K., (2004).

*Indicators of School Crime and Safety: 2004*. Washington, DC: U.S. Government Printing Office.

DeVoe, J., Peter, K., Ruddy, S., Miller, A., Planty, M., Snyder, T., and Rand, M. (2003). *Indicators of School Crime and Safety: 2003*. Washington, DC: U.S. Government Printing Office.

Hoffman, K., Llagas, C., and Snyder, T. (2003). *Status and Trends in the Education of Blacks*. Washington, DC: U.S. Government Printing Office.

Snyder, T.D., and Hoffman, C.M. (2003). *Digest of Education Statistics, 2002*. Washington, DC: U.S. Government Printing Office.

DeVoe, J., Peter, K., Kaufman, P., Ruddy, S., Miller, A., Planty, M., Snyder, T., Duhart, D., and Rand, M. (2002). *Indicators of School Crime and Safety: 2002*. Washington, DC: U.S. Government Printing Office.

Snyder, T.D., and Hoffman, C.M. (2002). *Digest of Education Statistics, 2001*. Washington, DC: U.S. Government Printing Office.

Snyder, T.D., and Hoffman, C.M. (2001). *Digest of Education Statistics, 2000*. Washington, DC: U.S. Government Printing Office.

Bae, Y., Choy, S., Geddes, C., Sable, J., and Snyder, T. (2000). *Trends in Educational Equity of Girls & Women.* Washington, DC: U.S. Government Printing Office.

Perie, M., Sherman, J.D., Phillips, G., Riggan, M. Snyder, T.D. (2000). *Elementary and Secondary Education: An International Perspective*. Washington, DC: U.S. Government Printing Office.

Snyder, T.D., and Hoffman, C.M. (2000). *Digest of Education Statistics, 1999*. Washington, DC: U.S. Government Printing Office.

Snyder, T.D. and Hoffman, C.M. (1999). *Digest of Education Statistics, 1998*. Washington, DC: U.S. Government Printing Office.

Peng, Samuel S.; Korb, Roslyn A.; Rose, Joseph; Snyder, Thomas D.; Cohen, Michael P. (1999). *Integrated Postsecondary Education Data System (IPEDS): An Improved System*. Washington, DC: U.S. Department of Education.

Snyder, T.D., Hoffman, C.M., and Geddes, C.M. (1998). *State Comparisons of Education Statistics: 1969-70 to 1996-97*. Washington, DC: U.S. Government Printing Office.

Wirt, J., Snyder, T., Sable, J., Choy, S., Bae, Y., Stennett, J., Gruner, A., Perie, M. (1998). *Condition of Education 1998.* Washington, DC: U.S. Government Printing Office.

Snyder, T.D., Hoffman, C.M., and Geddes, C.M. (1997). *Digest of Education Statistics, 1997.* Washington, DC: U.S. Government Printing Office.

Snyder, T.D. (1997). *Chartbook of Degrees Conferred, 1969-70 to 1993-94.* Washington, DC: U.S. Government Printing Office.

Ahmed, S., Barbett, S., Carr, P. Frase, M., Hoffman, L., Kasprzyk, D., Kolstad, A., Owings, J., Snyder, T., Krotki, K., Riggan, M., and Marker, D. (1997). *Improving Data Quality in NCES: Database-to-Report Process.* Washington, DC: U.S. Department of Education, National Center for Education Statistics.

Perie, M.A., Jing, Z., Pearson, R., Sherman, J.D., and Snyder, T.D. (1996). *International Education Indicators: A Time Series Perspective.* Washington, DC: U.S. Government Printing Office.

Snyder, T.D., Hoffman, C.M., and Geddes, C.M. (1996). *Digest of Education Statistics, 1996.* Washington, DC: U.S. Government Printing Office.

Snyder, T.D. and Shafer, L. (1996). *Youth Indicators, 1996: Trends in the Well-Being of American Youth.* Washington, DC: U.S. Government Printing Office.

Snyder, T.D., and Hoffman, C.M. (1995). *Digest of Education Statistics, 1995.* Washington, DC: U.S. Government Printing Office.

Snyder, T.D., and Hoffman, C.M. (1995). *State Comparisons of Education Statistics: 1969–70 to 1993–94*. Washington, DC: U.S. Government Printing Office.

Snyder, T.D., and Hoffman, C.M.(1994). *Digest of Education Statistics, 1994.* Washington, DC: U.S. Government Printing Office.

Snyder, T.D. and Fromboluti, C.S. (1993). *Youth Indicators, 1993: Trends in the Well-Being of American Youth.* Washington, DC: U.S. Government Printing Office.

Snyder, T.D., and Hoffman, C.M. (1993). *Digest of Education Statistics, 1993*. Washington, DC: U.S. Government Printing Office.

Snyder, T. D. (1993) *120 Years of American Education: A Statistical Portrait*. Washington, DC: U.S. Government Printing Office.

Snyder, T.D., and Hoffman, C.M. (1992). *Digest of Education Statistics, 1992*. Washington, DC: U.S. Government Printing Office.

Snyder, T.D., and Hoffman, C.M. (1992). *Historically Black Colleges and Universities: Recent Trends*. Washington, DC: U.S. Government Printing Office.

Wurtz, E., and Snyder, T. (1991) *Youth Indicators 1991: Trends in the Well-Being of American Youth.* Washington, DC: U.S. Government Printing Office.

Snyder, T.D., and Hoffman, C.M*.* (1991). *Digest of Education Statistics, 1991.* Washington, DC: U.S. Government Printing Office.

Snyder, T.D., and Hoffman, C.M. (1991). *Digest of Education Statistics, 1990.* Washington, DC: U.S. Government Printing Office.

Snyder, T.D. (1989). *Digest of Education Statistics, 1989*. Washington, DC: U.S. Government Printing Office.

Gerald, D.E., Horn, P.J., Snyder, T.D., Sonnenberg, W.C. (1989). *State Projections to 1993 for Public Elementary and Secondary Enrollment, Graduates, and Teachers.* Washington,DC: U.S. Government Printing Office.

Wurtz, E., Snyder, T., and Avallone, L. (1988) *Youth Indicators 1988: Trends in the Well-Being of American Youth.* Washington, DC: U.S. Government Printing Office.

Snyder, T.D. (1988). *Digest of Education Statistics, 1988*. Washington, DC: U.S. Government

Printing Office.

Snyder, T.D. and Galambos, E.C. (1988) *Higher Education Administrative Costs: Continuing the Study*. Washington, DC: U.S. Government Printing Office.

Snyder, T.D. (1987). *Digest of Education Statistics, 1987*. Washington, DC: U.S. Government

Printing Office.

Snyder, T.D. (1986). *Higher Education Finance Trends: 1970-71 to 1983-84*. Washington, DC: U.S. Department of Education, National Center for Education Statistics.

Grant, W.V. and Snyder, T.D. (1986). *Digest of Education Statistics, 1985–86*. Washington, DC: U.S. Government Printing Office.

Grant, W.V. and Snyder, T.D. (1983). *Digest of Education Statistics, 1983–84*. Washington, DC: U.S. Government Printing Office.

Selected Presentations

Persico, C., Fuller, S., Snyder, T. (2025). The cleaner the air, the better they fare: The effects of air filtration on student achievement. Presented at the American Education Finance Association (AEFA) annual conference, Washington, DC.

McCalla, D., Carroll, R. Snyder, T. (2025). From smog to school: mapping environmental impacts on student performance in North Carolina. Presented at the American Education Finance Association (AEFA) annual conference, Washington, DC.

Mullaney-Loss, P., Roberts, A., & Snyder T. (2024). Mining federal data to monitor the arts ecosystem. Presented at the Association of Public Data Users (APDU) annual conference, Washington, DC.

Persico, C., Fuller, S., Snyder T., & Megra, M. (2024) The cleaner the air, the better they fare: the effects of air filtration on student achievement. Presented at the Association of Education Finance and Policy (AEFP) annual conference.

Zhang, J. & Snyder T. (2020). School mental health services disparities: the role of school characteristics. Presented at the Association of Education Finance and Policy (AEFP) annual conference, Virtual conference.

Chapman, C., Snyder, T.D. and Adenegan, H. (April 2018) Technology as an Agent of Change in Teaching and Learning SIG Business Meeting, Presented at American Educational Research Association Annual Conference, New York, NY.

Snyder, T.D. and Dinkes R.B. (April 2017) What’s Hiding Beneath International Estimates? Presented at American Educational Research Association Annual Conference, San Antonio, TX.

Snyder, T.D., Roth, E., and Dinkes, R.B. (April 2012) Improving Validity in International Comparisons of Education Attainment, Presented at American Education Research Association Annual Conference, Vancouver, Canada.

Snyder, T.D. (April 2011) Growth in early academic skills Among preschoolers: emerging gaps. Presented at American Educational Research Association Annual Conference, New Orleans, LA.

Snyder, T.D. (June 2010) Emergence of gaps in early academic skill acquisition among kindergartners. Presented at Head Start National Research Conference, Washington, DC.

Snyder, T.D. (May 2010) Improving the reliability of international higher education indicators through time-series analysis. Presented at American Education Research Association Annual Conference, Denver, CO.

Snyder, T.D. (May 2010) Emergence of gaps in early academic skill acquisition among preschoolers. Presented at American Educational Research Association Annual Conference, Denver CO.

Snyder, T.D. (April 2009) Using a micro-indicators approach to analyze dynamics of enrollment changes at for-profit colleges. Presented at Association for Education Finance and Policy Annual Conference, Nashville, TN.

Snyder, T.D. (April 2009) Using micro-indicators to examine the volatility of change in education indicators among school districts. Presented at American Educational Research Association Annual Conference, San Diego, CA.

Snyder, T.D. (June 2008) Child care quality and early academic skill acquisition among preschoolers. Presented at Head Start National Research Conference, Washington, DC.

Snyder, T.D. and Park, J. (April 2008) Ready to learn? The interaction of quality preprimary education with emerging gaps in child achievement. Presented at Association for Education Finance and Policy Annual Conference, Denver, CO.

Snyder, T.D. (March 2007) Using micro-indicators to analyze differences in high school graduation rates among urban, suburban, and rural school districts. Presented at Association for Education Finance and Policy Annual Conference, Baltimore, MD.

Tice, P., Snyder, T., and Park, J. (April 2007) Reading achievement of fifth graders with attention deficit/hyperactivity disorder and their peers. Presented at American Educational Research Association Annual Conference, Chicago, IL.

Snyder, T.D. (April 2007) Using school district micro-indicators to analyze state differences in graduation rates. Presented at American Educational Research Association Annual Conference, Chicago, IL.

Snyder, T.D. (April 2006) A micro-indicators approach to time-series analysis of college and university institutional vitality. Presented at American Educational Research Association Annual Conference, San Francisco, CA.

Snyder, T.D. (April 2006) An exploration of the association between degree field and earnings of male and female college graduates 10 years after graduation. Presented at American Educational Research Association Annual Conference, San Francisco, CA.

Snyder, T.D. (March 2006) Using a micro-indicators approach to analyze growth at for-profit colleges. Presented at Association for Education Finance and Policy Annual Conference, Denver CO.

Freeman, C.E., Snyder, T.D. and Connolly, B.A. (2005) The Impact of Degree Field on the Earnings of Male and Female College Graduates. Published in Education Policy Analysis Archives.

Snyder, T.D. (March 2005) Analyzing growth at Historically Black Colleges and Universities: A micro-indicators approach. Presented at Association for Education Finance and Policy Annual Conference, Louisville, KY.

Snyder, T.D. (March 2005) The value and limitations of comparing U.S. elementary, secondary, and higher education financial statistics with other OECD countries. Presented at Association for Education Finance and Policy Annual Conference, Louisville, KY.

Snyder, T.D. and Freeman, C.E. (April 2004) Salary outcomes associated with college completion, major, institutional type, and tuition. Presented at American Educational Research Association Annual Conference, San Diego, IL.

Snyder, T.D. (April 2003) Myths and realities about student enrollment. Presented at American Educational Research