

Supplemental Appendix

Figure 1. PRISMA Diagram of article identification and screening process

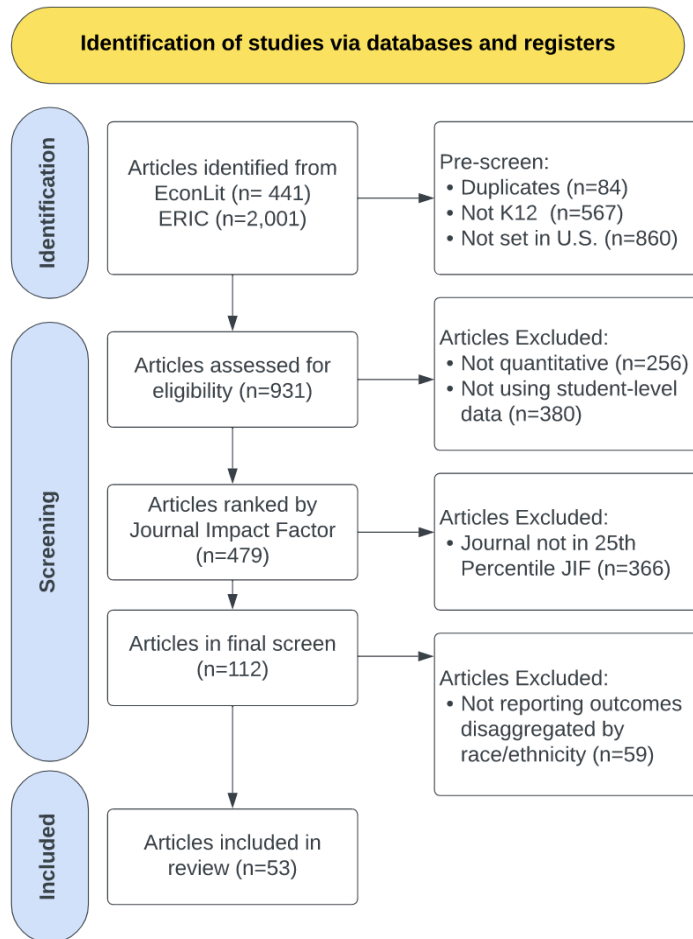


Figure Notes: Diagram of wide-net scan and screening process. PRISMA template source: Page, et.al., 2020

Figure 2. Systematic Review Analytic Memo Protocol

QuantCrit Systematic Review Analytic Memos

Form description

Citation (APA)

Short answer text

Author

Short answer text

Year

Short answer text

Title

Short answer text

Topic (broadly)

Short answer text

Copy and paste abstract here *

Long answer text

Research Question

Long answer text

Problem statement/narrative (Usually first sentences)

Long answer text

What is the theory of change embedded in the problem statement? (implications discussed by author(s), how are results being placed into the broader narrative, phrase as an IF/THEN statement, attend to who is the subject and who the object in article sentences)

Long answer text

Theoretical framework (What theoretical frameworks are employed? How does this influence the paper's problem framing and analysis?)

Long answer text

Methodology

Short answer text

Setting/Data/ Unit of observation: How do data sources highlight or obscure sources of power and agency?

Long answer text

What socio-political, geographical, or historical context is provided to understand variables measuring race/ethnicity and dependent variables?

Long answer text

What sources of power and agency underlie outcome variables?

Long answer text

How are results placed in context and theory of change?

Long answer text

What are the racial implications of the methodological choices made by the authors?

Long answer text

What narratives emerged from the work?

What key terms signal the narrative use?

Long answer text

Connect to our work. What trends are you seeing? Put this piece in conversation with themes.

Long answer text

Additional Notes/Comments?

Long answer text

Figure Notes: We list analytic memo items for each section of sample articles. Analytic memos were recorded for each article in the sample.

Table A1. Articles in analytic sample with assigned topic, data, and theoretical framework

Citation (APA)	Topic	Data	Theoretical Framework
Ahearn, C. E. (2021)	Other	High School Longitudinal Survey	SRT
Atteberry, A., & McEachin, A. (2021)	Achievement Gap	Northwest Evaluation Association (NWEA)	SRT
Barrett, N., McEachin, A., Mills, J. N., & Valant, J. (2021)	Discipline	State Longitudinal Data Source	Other
Bassok, D., & Latham, S. (2017)	Achievement Gap	ECLS-K	EPF
Billingham, Chase M., and Matthew O. Hunt.(2016)	Segregation	Race, Racial Attitudes, and School Segregation Survey (RRASS), designed by the authors	Other
Blatt, Lorraine, and Elizabeth Votruba-Drza (2021)	Segregation	SEDA, CCD	SRT
Bond, T. N., & Lang, K. (2013)	Achievement Gap	National Longitudinal Survey of Youth (CNLSY) and ECLS-K:1981-99	EPF
Borman, G. D., Grigg, J., & Hanselman, P. (2016)	Achievement Gap	District Longitudinal Data	EPF
Bottiani, J. H., Bradshaw, C. P., & Mendelson, T. (2017)	Discipline	State Longitudinal Data Source	Other
Britton, M. L., & Goldsmith, P. R. (2013)	Segregation	National Education Longitudinal Study; 1990 and 2000 US censuses.	Other

Byun, S. Y., & Park, H. (2012)	Other	Educational Longitudinal Study of 2002-2006 (ELS:02-06)	Other
Camp, A., & Zamarro, G. (2021)	Other	Understanding Coronavirus in America Tracking Survey (UCA)	Other
Carruthers, C. K., & Wanamaker, M. H. (2013)	Other	State Historical Data Source	EPF
Caven, M. (2019)	Other	State Longitudinal Data Source	SRT
Christensen, K. M., Raposa, E. B., Hagler, M. A., Erickson, L., & Rhodes, J. E. (2021)	Other	National Longitudinal Study of Adolescent to Adult Health	EPF
Coley, R. L., Kruzik, C., & Votruba-Drzal, E. (2020)	Achievement Gap	ECLS-K:2011	SRT
Conwell, J. A. (2021)	Achievement Gap	Researcher Survey, HS&B, HSLS	SRT
Cornwell, C., Mustard, D. B., & Van Parys, J. (2013)	Achievement Gap	ECLS-K:1998-99	EPF, Other
Curran, F. C., & Kitchin, J. (2019)	Achievement Gap	ECLS-K: 2011	SRT
Curran, F. Chris, and Ann T. Kellogg. (2016)	Achievement Gaps	ECLS-K, specifically kindergarten, survey	SRT
Díaz McConnell, E., White, R. M., & Ettekal, A. V. (2020)	Other	Los Angeles Family and Neighborhood Survey (L.A.FANS)	Other
Domina, T., & Saldana, J. (2012)	Other	HS&B, National Educational Longitudinal Study of 1988 (NELS), and the Educational Longitudinal Study of 2002 (ELS)	SRT
Downey, D. B., Quinn, D. M., & Alcaraz, M. (2019)	Achievement Gap	ECLS-K:2011	SRT

Dumont, H., & Ready, D. D. (2019)	Achievement Gap	ECLS-K:2011	SRT
Duncan, G. J., Lee, K. T., Rosales-Rueda, M., & Kalil, A. (2018)	Other	National Longitudinal Study of Youth (NLSY79)	EPF
Estrada, P., Wang, H., Farkas, T. (2020)	Segregation	District Data Source	Other
Fahle, Erin M., and Sean F. Reardon. (2018)	Segregation	NCES ED Facts Data	SRT
Farkas, G., Morgan, P. L., Hillemeier, M. M., Mitchell, C., & Woods, A. D. (2020).	Achievement Gap	Office of Civil Rights Data Collection (CRDC); Stanford Education Data Archive (SEDA)	Other
Fong, K., & Faude, S. (2018)	Other	District Longitudinal Data	EPF
Fryer Jr, R. G. (2014)	Other	District Longitudinal Data	EPF
Godfrey, E. B., Burson, E. L., Yanisch, T. M., Hughes, D., & Way, N. (2019)	Other	Early Adolescent Cohort study	Other
Hanselman, P.. (2018)	Achievement Gap	State Longitudinal Data Source	SRT
Hess, Chris, et al. (2019)	Segregation	American Community Survey, NHGIS	SRT
Jennings, J. L., Deming, D., Jencks, C., Lopuch, M., & Schueler, B. E. (2015)	Achievement Gap	State Longitudinal Data Source	SRT
Johnson, A. (2020)	Achievement Gap	District Data Source	EPF

Leonard M. Lopoo, Andrew S. London (2016)	Other	Panel Study of Income Dynamics (PSID)	EPF
Mele, Angelo. (2020)	Segregation	National Longitudinal Study of Adolescent Health (Add Health)	EPF
Mickelson, R. A. (2015)	Segregation	District Data Source	SRT
Morris, E. W., & Perry, B. L. (2017)	Discipline	District Data Source	Other
Murnane, R. J. (2013)	Other	Census 1990, 2000, American Community Survey 2010, and GED Testing Service data	EPF
Nguyen, B. M. D., Noguera, P., Adkins, N., & Teranishi, R. T. (2019)	Discipline	State Longitudinal Data Source	Other
Owens, A. (2018)	Segregation	The Panel Study on Income Dynamics (PSID)	SRT
Palardy, G. J. (2013)	Segregation	Education Longitudinal Study (ELS)	SRT
Park, H., Lawson, D., & Williams, H. E. (2012)	Achievement Gap	Trends in International Mathematics and Science Study, 2007	EPF
Quinn, D. M., & Cooc, N. (2015)	Achievement Gap	ECLS-K:99	EPF
Quinn, David M., et al. (2016)	Achievement Gap	ECLS-K:2011	SRT
Rauscher, E. (2014)	Achievement Gap	U.S. Census	EPF

Seider, S., Clark, S., Graves, D., Kelly, L. L., Soutter, M., El-Amin, A., & Jennett, P. (2019)	Other	Charter High School Data Source	Other
Sorhagen, N. S. (2013)	Achievement Gap	Researcher Recruited Survey	EPF
Von Hippel, P. T., Workman, J., & Downey, D. B. (2018)	Achievement Gap	ECLS-K 1999, and ECLS-K2011	SRT
Whitesell, E. R. (2016)	Achievement Gap	District Data Source	EPF
Xu, D., Solanki, S., & Fink, J. (2021)	Achievement Gap	CCD, SEDA, ACS, IPEDS, CRDC	EPF

Table Notes: This table lists 53 high-impact quantitative education policy articles in final analytic sample. Column 2 provides the broad topic area. Column 3 describes the data sources used. HS&B = High School and Beyond ECLS-K =Early Childhood Longitudinal Study CCD = Common Core of Data, SEDA = Stanford Educational Data Archive. ACS = American Community Survey. IPEDS = Integrated Postsecondary Education Data System. CRDC = Civil Rights Data Collection.