More Research Needed: How to Build an Evidence Base for Interventions to Support Postsecondary Transitions in Rural Settings

CJ Park

Senior Education Researcher SRI International

Rebecca A. Schmidt

Principal Education Researcher SRI International

Allen Pratt

Executive Director
National Rural Education Association

Sherry Horner

Organizational Results and Data Officer
Partners for Education at Berea College

Jennifer Ash

Director
National Center for Rural Education
Research Networks (NCRERN)

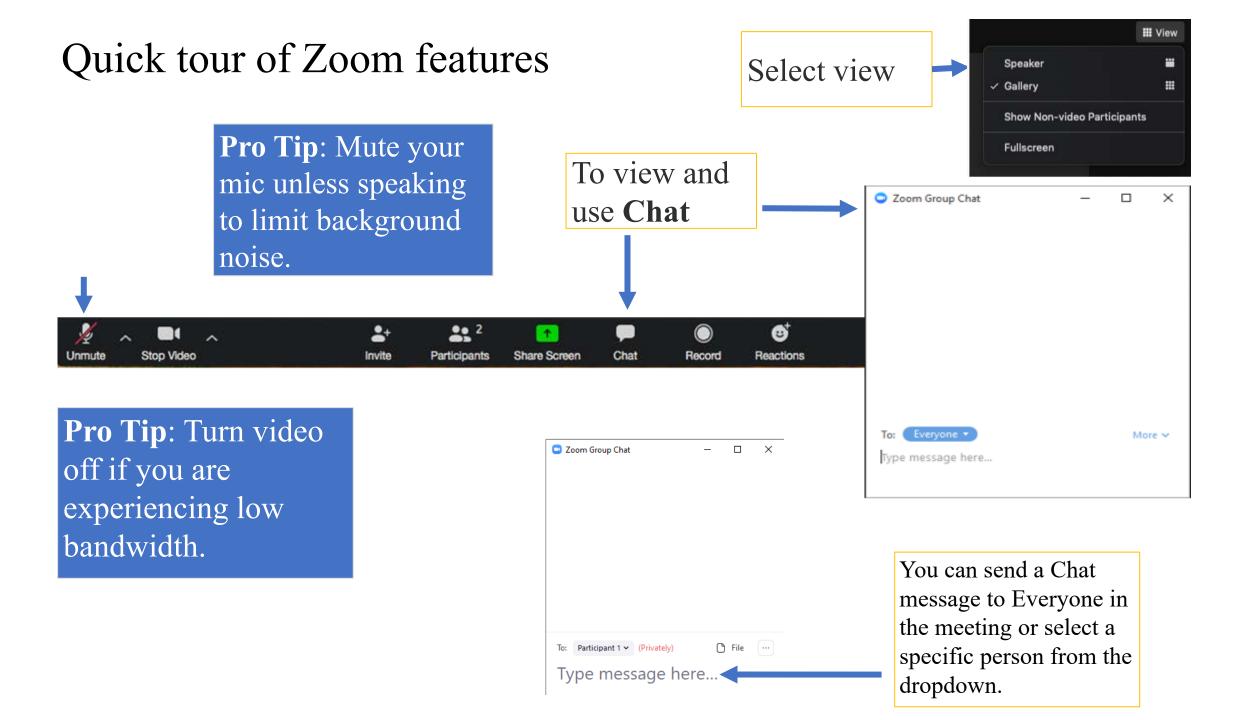
Katie Kieninger

Ohio State Network Manager NCRERN

Ann O'Connell

Program Chair, QREM
Department of Educational Studies
The Ohio State University





Agenda

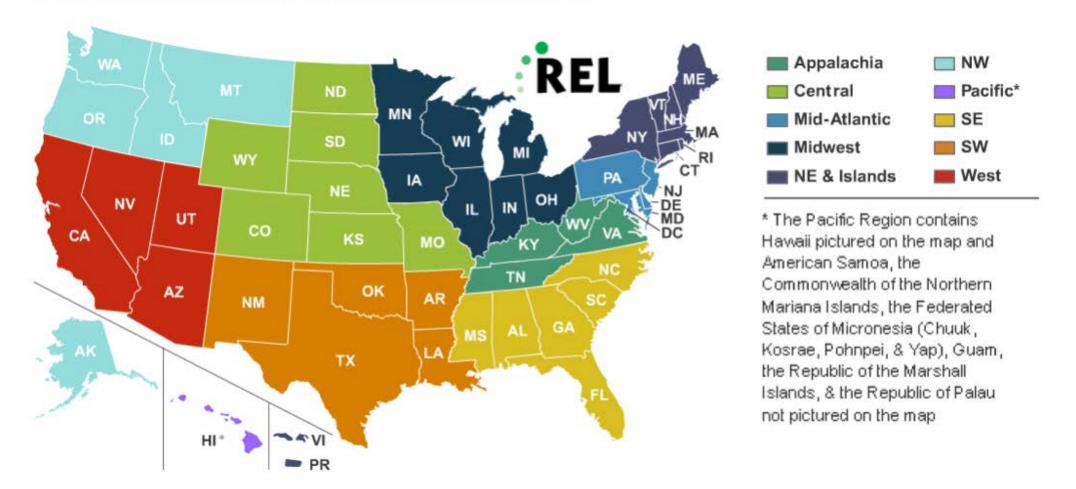
- Welcome
- Why do we need rigorous research in rural communities?
 - Practitioner perspective
 - Findings from REL Appalachia's systematic evidence review
- Challenges to conducting research in rural settings
- Solutions to challenges to conducting research in rural settings
- Perspectives from the field
- Wrap-up



Introduction to REL Appalachia



The Regional Educational Laboratories



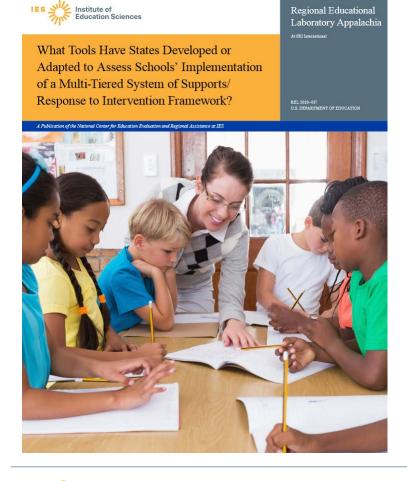
The 10 RELs work in partnership with stakeholders to support a more evidence-based education system.

Administered by the U.S. Department of Education, Institute of Education Sciences (IES)

Find us on the web! https://ies.ed.gov/ncee/edlabs/regions/appalachia/



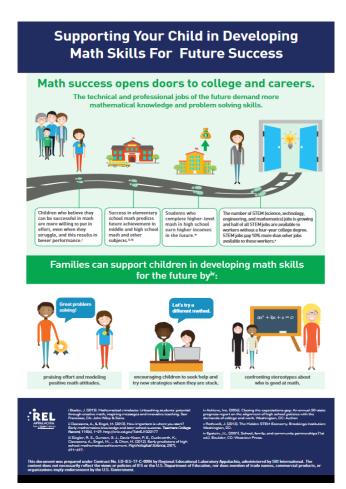
Applied Research



Training, Coaching, and Technical Support



Dissemination



Why Do We Need Rigorous Research in Rural Communities?





Allen Pratt

- Executive Director of the National Rural Education Association
- Former executive director of the East Tennessee Center of Regional Excellence for the Tennessee Department of Education
- Focus is on providing a unified voice for rural schools and communities
- Previously also served as a teacher, coach, principal, and assistant superintendent



Source: https://www.nrea.net/About_NREA



Sherry Horner

- Organizational Results and Data Officer for Partners for Education at Berea College
- More than 25 years leadership experience working in the nonprofit and education sectors
- Designed, implemented, and led educational cradle-to-career initiatives in Appalachian Kentucky
- Designed data-driven continuous improvement and provided strategic data and evaluation leadership



Source: https://www.berea.edu/pfe/leadership-team/



A systematic evidence review

?

What is the existing evidence for *positive effects* of **nonacademic interventions** on student postsecondary enrollment, academic persistence, and completion for...

- all students?
- rural populations?
- high-poverty populations?



What additional research is needed?



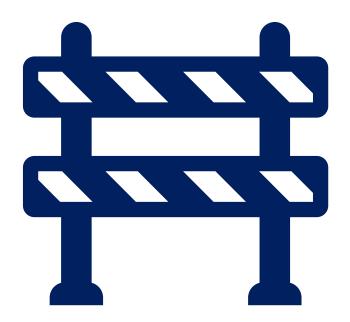
Nonacademic Interventions for Postsecondary Enrollment and Success with Rural and High-Poverty Populations:

A Systematic Evidence Review

Rebecca A. Schmidt and C.J. Park

Nonacademic barriers to postsecondary transition

- Confidence (Ali & McWhirter, 2006; Ali & Saunders, 2008; Irvin et al., 2011)
- Geographic isolation (Bennett, 2008)
- Localism (Hlinka, 2017; Hlinka et al., 2015)





Interventions to address nonacademic barriers

- Programmatic supports or activities that address at least one nonacademic barrier.
- For example, these types of supports could address:
 - Knowledge of the postsecondary enrollment and registration process,
 - Challenges of living independently for the first time,
 - Adapting to cultural norms of dorm living, or
 - Strengthening students' connections to the college community.



Methods

- Systematic review of rigorous impact studies
- Nonacademic interventions with K–12 students or summer after high school
- Evidence of positive impact on students' postsecondary success



What did we find?

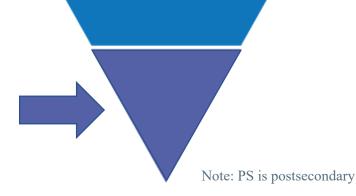
Searches returned 1,777 unique studies

65 focused on the postsecondary (PS) outcomes of nonacademic interventions with students ages 5 to 19

17 met WWC standards

8 studies of 5 interventions:

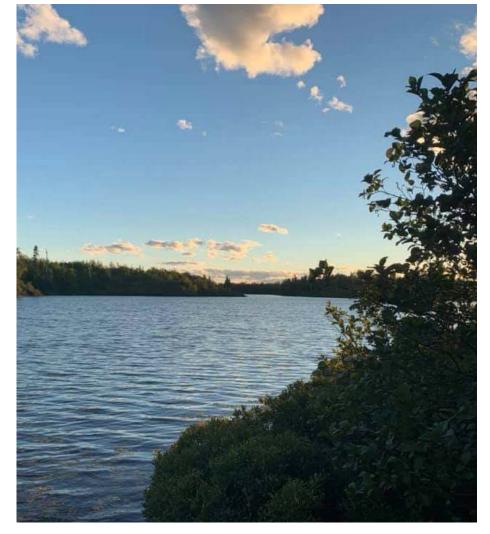
- FAFSA support
- FLIGHT
- College Counseling
- Summer Counseling
- Summer Bridge





Only one intervention showed positive effects in rural high-poverty settings

- A study of Upward Bound found a positive impact on postsecondary enrollment.
- However, the program changed substantially since the study period (1992 to 1994), and the findings of the study may not be generalizable to current conditions.



Source: Personal photo taken by Rebecca Schmidt



Significant gaps in research

- There were few studies of the impact of nonacademic interventions on student postsecondary outcomes.
- Many studies focused on postsecondary interventions, rather than K–12 or the transition.
- Most studies did not meet WWC standards.
- Most interventions with positive impacts have not been tested with rural and high-poverty populations.





Challenges to Conducting Research in Rural Settings



Why isn't there more rigorous rural research?





- Impact studies require large samples.
- Rural sites have fewer students per school and per district.
- Rural impact studies will not show effects if the sample is too small.



Cost

- Collecting data from multiple districts can be costly.
- Finding 50 schools in one urban district is common, but you may need up to 20 rural districts to find the same number of schools.



Making more informed decisions

- Rigorous causal research helps us decide where to best invest limited educational funds.
- It is important to create usable research that is responsive to rural communities and contributes to a broader understanding of an issue.





Solutions to Challenges to Conducting Research in Rural Settings



What can we do?



Researchers: conduct **more impact studies** in rural settings and with high-poverty populations.



Policymakers: think about ways to **aggregate data systems** across rural districts (e.g., rural consortia, state data systems).



Funders: consider providing **additional support** to offset the challenges of conducting research in these settings.

Perspectives from the Field



Jennifer Ash

- Director of the National Center for Rural Education Research Networks (NCRERN) at the Center for Education Policy Research (CEPR)
- Former middle school teacher
- Managed the production of research reports, policy briefs, and blog posts about rural education policy issues in Arkansas
- Led a study of a college scholarship program based in a rural district



Source: https://www.nrea.net/About_NREA



Katie Kieninger

- Ohio State Network Manager, National Center for Rural Education Research Networks
- Manages the network of 20 rural school districts across Ohio to implement interventions addressing absenteeism, postsecondary readiness, and postsecondary enrollment



Source: https://www.nrea.net/About_NREA



Ann O'Connell

- Program Chair for Quantitative Research, Evaluation and Measurement, Department of Educational Studies, The Ohio State University
- Research interests in evaluation and educational statistics, research and data use, and methodology capacity building
- PI on IES-funded methods training grant to build capacity for selection and use of evidence-based interventions in US schools/districts (https://u.osu.edu/ebitraining/)
- Co-author on 2021 OH Report: Investing in Student Wellness and Success (Miami University, case studies; rural, urban, suburban)
- Case study on District Data Use (ongoing; rural, urban, suburban)



Source: https://ehe.osu.edu/educational-studies/directory/?id=oconnell.87



Discussion with the panel

- What barriers or challenges have you faced in conducting research in rural settings?
- Have you faced barriers that are specific to research on postsecondary transitions in rural settings?
- How are the **barriers different** / the same for **causal** impact research as compared to **qualitative or descriptive** studies?
- How have you been able to address these barriers to carry out rural research?
- What additional **supports** or **policies** would **help** ensure rural stakeholders have access to research on educational programs in their settings?
- What **strategies** can **researchers** use to increase their capacity to conduct research in rural settings?



Q&A - Audience





Wrap-up



For our growth...

We appreciate your feedback as we continue to improve our work to meet your needs!



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