Children’s Health and Education Mapping Tool 101
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We Believe…
In the transformational power of the health and education intersection
REMINDERS

👩‍🏫 All attendees are in listen-only mode.

👩‍💻 We want to hear your questions! To ask a question during the session, use the “Chat” icon that appears on the bottom your Zoom control panel.

👥 Please complete evaluation poll questions at the end of the presentation.
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TODAY’S PRESENTER

Dr. Hayley Love
Vice President, Research and Evaluation
Children’s Health and Education Mapping Tool
What is the Children’s Health and Education Mapping Tool?

A GIS mapping tool designed to support diverse users to:

1) Identify geographic areas where disparities in child health, education, and socio-economic status exist, and

2) Develop school-based strategies to address these disparities.
What can you do with the mapping tool?

• Data that are traditionally reported in separate silos can be searched, mapped, downloaded, and compared to national averages.

• Users can view the locations of SBHCs, schools, and community partners, and strategically plan for future expansion of SBHCs.
What are the data sources for the tool?

• US Census Bureau’s American Community Survey
• National Center for Education Statistics Natality Files
• Centers for Disease Control’s (CDC) Diabetes Interactive Atlas
• CDC Atlas
• US Department of Agriculture (UDSA) Food Atlas
• Comprehensive Housing Affordability Strategy data
• FBI Uniform Crime Reporting
• 2016-17 National School-Based Health Care Census
What indicators are included in the tool?

• Health Insurance and Coverage Indicators
• Health Indicators
• Education Indicators
• Demographic and Socioeconomic Status Indicators
What are the limitations of the data?

- County-level is the smallest geographic denomination with good data, but the indicators may vary within a county, such as at the neighborhood level.
- Data may be from different years, outdated, or missing.
- The tool cannot explain causation of indicator values.
- Testing for statistically significant differences is not available in the tool.
Mapping Tool

The Children’s Health and Education Mapping Tool

Read our blog published in Health Affairs about the Children’s Health and Education Mapping Tool: https://www.healthaffairs.org/do/10.1377/hblog20190808.517170/full/

This tool leverages our latest National School-Based Health Care Census data and Geographic Information System (GIS) technology to give you an interactive look at the intersection of school-based health centers (SBHCs) and high-need areas. This tool is especially helpful for SBHC sponsors, practitioners, and advocates, as well as child and adolescent health researchers, policymakers, and supporters. You’ll be able to identify and target geographic areas for new or expanded health services, learn about SBHC characteristics, and help address the inequities that lead to poor health, wellbeing, and student achievement outcomes for children and adolescents.

www.sbh4all.org/mappingtool
A Guide to the Tool

1. **Select a state**: Select a state to view on the map
2. **Data View**: View a data table and download to excel
3. **Zoom**: Zoom in or out
4. **Child Health & Education Indicators**: Examine child health, education, social determinants, and socio-economic status data
5. **Information Buttons**: View indicator definition and data source
6. **SBHCs and School Characteristics**: View SBHCs and schools and filter by characteristics
7. **Map My Data**: Add your own data to view on map
8. **Optional Layers**: View healthcare facilities and federally defined health care shortage areas
9. **Basemaps**: Select different background map styles
10. **High Needs Identifier**: View high need counties
11. **Legend**: View a list of selected indicators and facilities
12. **Print**: Print a map
A Mapping Tool To Address Health And Education Disparities And Improve Access To School-Based Health Care

Hayley Love, John Schlitt, Nirmita Panchal, Jené Grandmont

10.1377/hblog20190808.517170
Three Use Cases

1. Expanding SBHCs in high need areas in North Carolina
2. Integrating SBHCs into a strategy to reduce unintended teen pregnancy in Arkansas
3. Identifying SBHCs in a congressional district in California who are using telehealth
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Additional Questions? Contact Dr. Hayley Love at hlove@sbh4all.org