

K-12 Teacher Digital Media Use Before & After the COVID-19 Transition to Remote Learning

Key findings from a national survey of U.S. K-12 teachers conducted in February-March 2020 (Wave 1) and June 2020 (Wave 2)
 Details at wgbh.org/education/remote-learning-study

Top 5 Educational Digital Media Services for February and June 2020 Waves



Google Classroom



Khan Academy



BrainPOP



PBS and PBS LearningMedia



Discovery Education

Tech-Savvy Teachers Use More Educational Materials



MODERATE users of edtech
(1-5 products/services)

13



POWER users of edtech
(6+ products/services)

17

Average hours of professional development on edtech

Extremely confident using edtech

25%

39%

COVID-19 Shift to Remote Learning Associated With Significant Changes in Digital Media Use

13%

of teachers reported being first-time users of K-12 digital media services after the COVID-19 shift to remote learning

77%

Wave 1
February-March 2020
very or extremely confident using edtech

66%

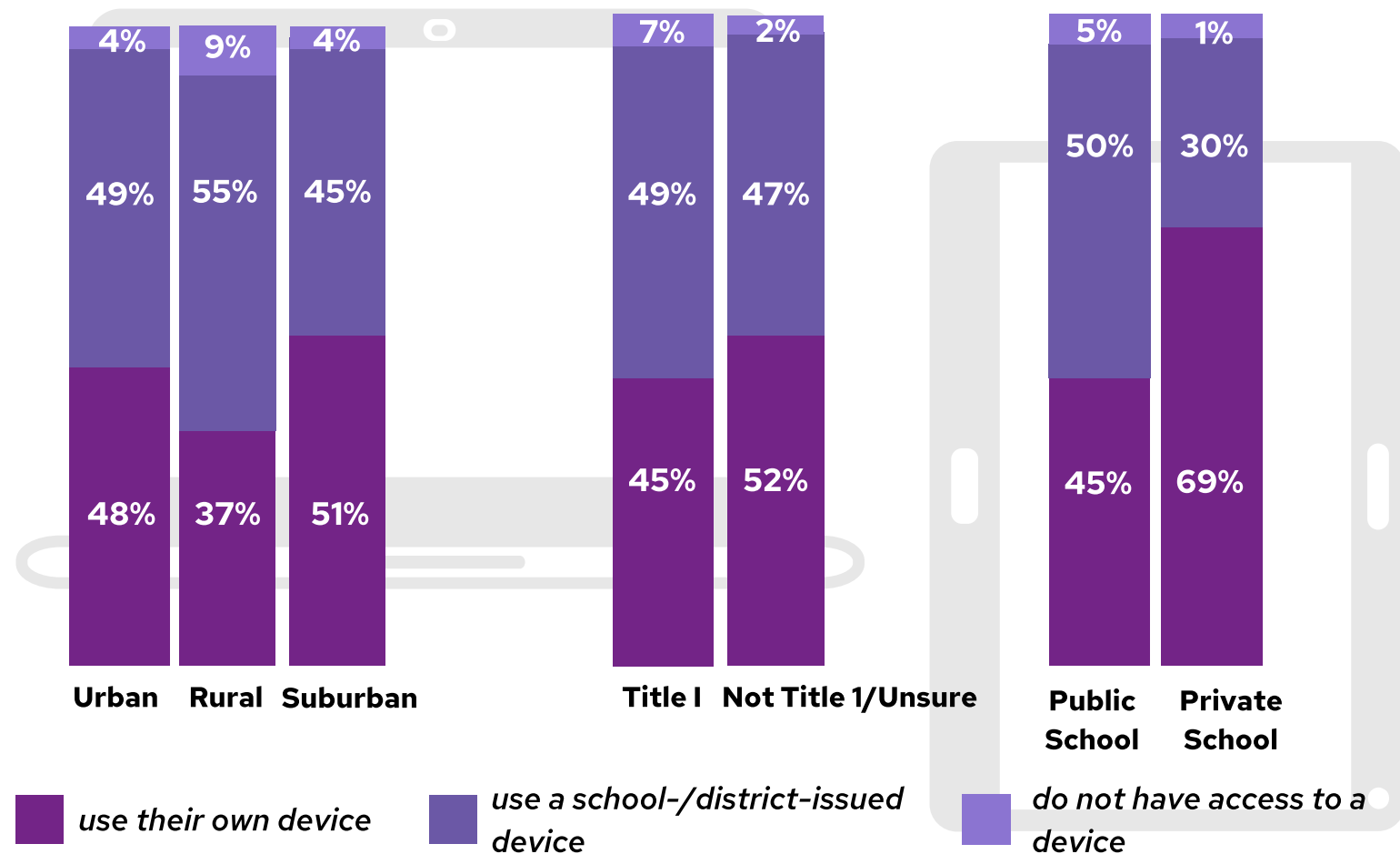
Wave 2
June 2020
very or extremely confident using edtech

Teachers in Wave 2 self-report lower confidence in ability to use edtech compared to those in Wave 1

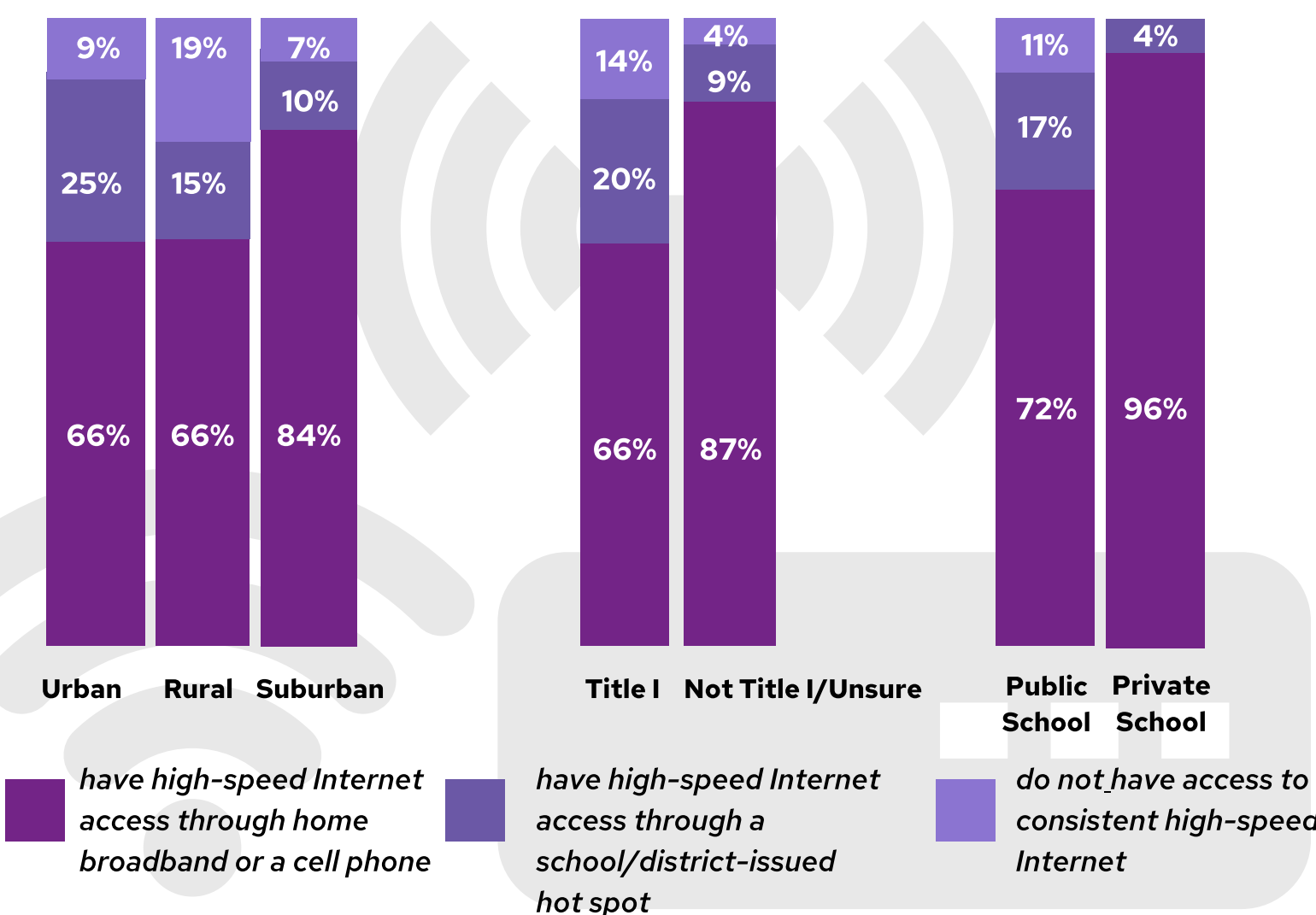
COVID-19 Shift to Remote Learning Exacerbates Inequities in Digital Media Access

The pandemic is disproportionately affecting students in Title I schools, schools in rural areas, and public schools, as reflected in teacher-reported device and high-speed Internet access.

During remote learning, percent of teachers reporting that a majority of their students...



During remote learning, percent of teachers reporting that a majority of their students...



Sources

GBH, with funding from the Corporation for Public Broadcasting, commissioned a national survey of U.S. teachers to understand the larger landscape of educational digital media use by U.S. K-12 teachers and teacher users of PBS LearningMedia. Fielded initially in February-March 2020, the survey was planned as one wave, carried out by VeraQuest Research LLC. After the COVID-19 pandemic forced a rapid change to remote learning, a second wave of the survey was conducted in June 2020 to document any changes in teachers' usage of digital media in their now-remote classrooms. Because the present study involved two independent cohorts of teachers and was not originally designed as a longitudinal study involving the same participants over time, the data provide a cross-sectional "snapshot" of digital media awareness, use, and attitudes before and after COVID-19-related school closures. VeraQuest Research used a common rim weighting technique to ensure representativeness of the target K-12 teacher population on factors such as school setting (urban, rural, suburban), school type (public vs. private), demographics of student population (racial composition, Title I, etc.), geography, and grades taught. Researchers applied a 95% confidence level in testing for significance between various segments of the study.

Sample: Core Subject (English, Math, Science, Social Studies) Teachers
 - Wave 1 (before COVID-19 pandemic began) N = 1,207
 - Wave 2 (after COVID-19 pandemic began) N = 707
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