

Overview: The Homework Gap



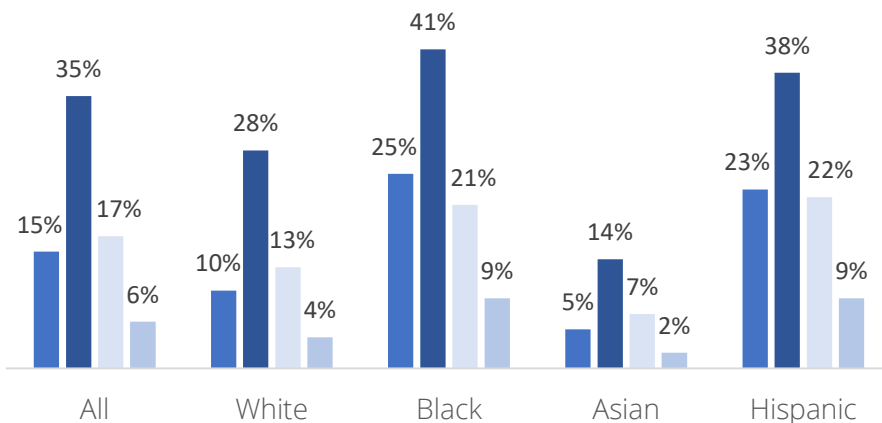
There are roughly 3 million households with school-age children but no or unreliable at-home broadband access that fall into the "Homework Gap"

Children in low-income households are significantly less likely to have at-home broadband access

Percent of US households with school-aged children who do not have a high-speed internet connection

AS OF OCTOBER 2018

■ All ■ Less than \$30K ■ \$30K-\$74,999 ■ Over \$75,000



Limitations to e-learning



17% of teens are often or sometimes unable to complete homework due to a lack of a reliable computer or internet connection

- 2 million children live in households that rely exclusively on cellular networks
- Students without internet access are more likely to lag behind in education and are less competitive in the workforce
- 70% of teachers assign homework that requires an internet connection
- 60% of schools have adopted strategies to increase student broadband access outside of schools



Strengths and weaknesses of potential options for accessing fixed wireless internet outside of the home

	May require transport to/from home	May not be safe	Cybersecurity threats posed by Public Wi-Fi	Limited hours	Computer might not be available even if offered	May require student purchase	Weather exposure
Library	✓	✓	✓	✓	✓		
Community Center	✓	✓	✓	✓	✓		
Business (i.e. coffee shop)	✓	✓	✓	✓		✓	
School Wi-Fi after hours outside building	✓	✓					✓