

Digital Divide: View From Patients and Their Providers

Pooja Patel, PharmD Candidate 2023
Belmont University College of Pharmacy

Growing technology advancements in recent years have led to a rise in digital dependency. Information and communication technology (ICTs) makes it possible for people to work, access information, and feel a part of society.¹ The issue is that a portion of the general public lacks the resources, skills and knowledge necessary to have access to and use ICTs. The term digital divide is defined as the differences of economic and social inequality in both access and usage of ICTs.^{2,3} Some population groups that are affected by the digital divide include uninsured, at or below 300% of the Federal Poverty Level (FPL), lack of internet access, etc. Demographics such as age, economic status and geography (rural vs. urban) also factor into the digital divide.

Among working age-adults in the United States, 27.5 million (13.9%) were uninsured in 2020.⁴ This statistic shows that many uninsured Americans may struggle to afford their medications and other medical care. This also holds true for access to virtual care and digital health. Three factors of the digital divide that affect the uninsured population include information accessibility, utilization, and receptiveness. Many Americans don't realize what they have at the tip of their fingers compared to many who simply do not have the same digital access. People now consider their phones to be a daily necessity and are unaware of the large number of people who do not have smart phones with internet access. According to a 2019 survey, 20% of Americans with earnings below the FPL do not have internet access.⁵ Figure 1 shows detailed 100% and below FPL who don't have internet access.

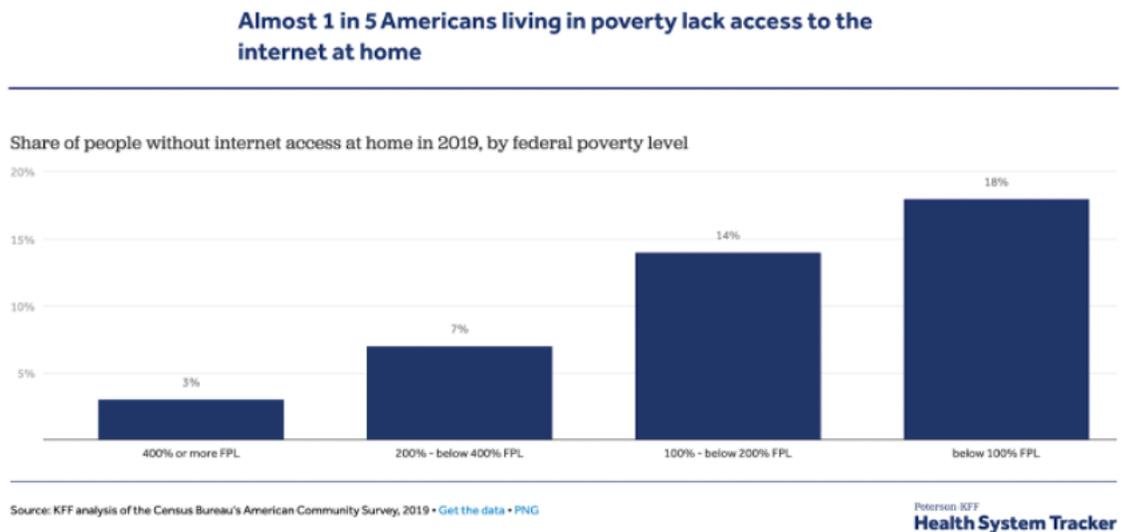


Figure 1: Individual without internet access by federal poverty level⁵

There is a further divide between uninsured patients. "In a nation with millions of uninsured families and shortage of health professionals, many of us turn to health-care apps and websites for accessible information or even potential treatment."⁶ While health-care apps may be helpful for some patients, there is still a gap in access, particularly among the low income and uninsured population. In addition, health-care apps and websites are not a viable replacement for digital tools (telemedicine) that provide access directly to providers.

Dr. Sarah Gillard, PharmD, Program Manager at Wyoming Medication Donation Program (WMDP) shared

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