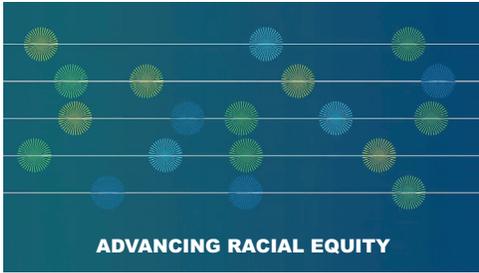




ATTOBAHN: INNOVATION WITH A SOCIAL MISSION

Prepared by: Cynthia A. Phillips, PhD | May, 2020

ACCESS - QUALITY OF ACCESS - AFFORDABILITY



Attobahn is committed to ending the Digital Divide to create a future where more people around the world have improved economic equality and social mobility that can foster healthier democracies and shared economic growth.

Too often the benefits of technological advancements are not shared equally across communities in the US and across the globe. With the internet, there are issues of access, affordability as well as quality of access. This digital divide impacts the following areas: Education, job opportunities, communication, politics, health and wellness, community engagement, commerce, access to government services, and emergency information. The COVID19 crisis shines a light on the impact of digital divide more brightly than ever before with many students losing ground due to poor internet access as well as the impact on health outcomes due to lack of access to telehealth. In fact, so much of daily life now revolves around resources and capabilities fueled by the internet, the United Nations Human Rights Council considers access to the internet as a basic human right.

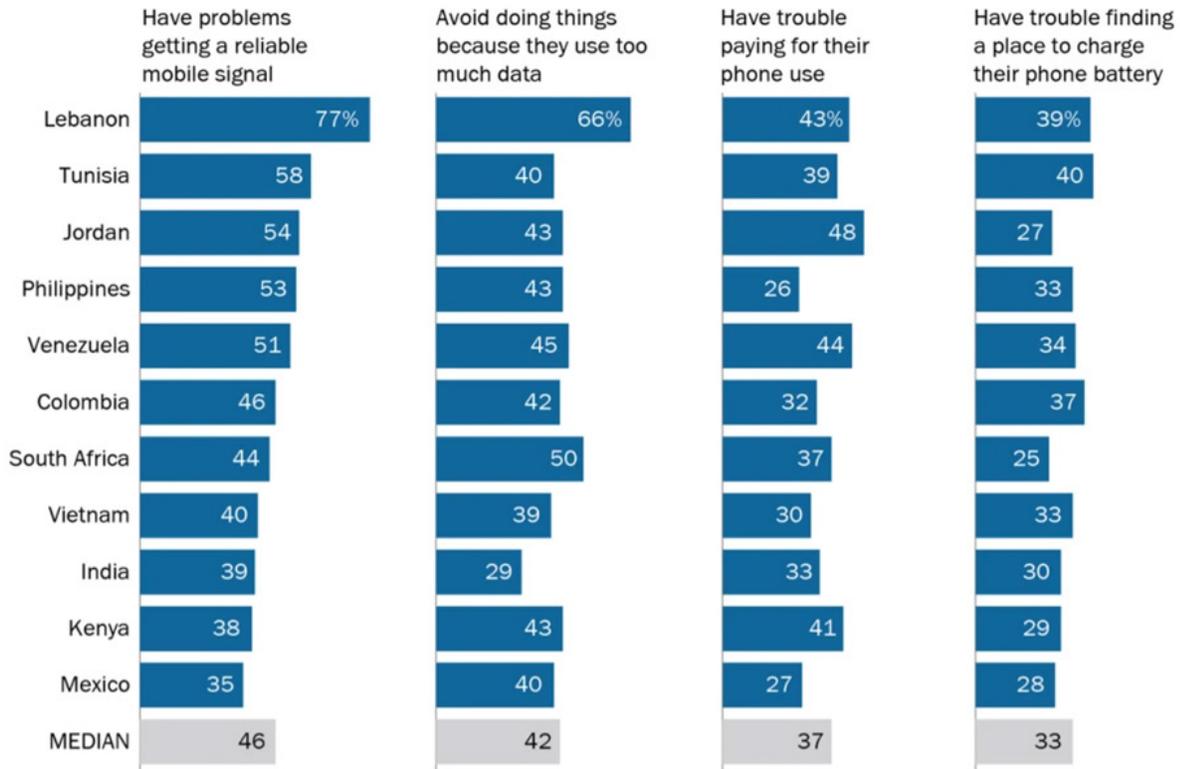
Yet a digital divide persists. Microsoft estimates that 157 million Americans – about half the population – aren't using relatively fast internet connections. The government, using different counting methods, says more than 21 million Americans, mostly in rural areas, don't have access to fast internet. It is not only rural areas in the US, 35 percent of black households and 29 percent of Hispanic households, do not have broadband often due to the affordability issues: \$50 to over \$100 in monthly fees are out of reach.

The issue is not only in the United States. Across the globe the demand increases for quality access to networks. Pew Research on mobile technology and its social impact finds many mobile phone owners are challenged by connectivity and affordability.

Source: missioninvestors.org
illustration from 'Mission Investors Exchange 2020 National Conference.'

Many mobile phone owners struggle with expenses and connections

% of *mobile phone owners* who say they frequently/occasionally ...



Source: Mobile Technology and Its Social Impact Survey 2018. Q21a,b,d,f.
 "Mobile Divides in Emerging Economies"

PEW RESEARCH CENTER

Attobahn is committed to assuring every citizen across the globe has access to high quality and affordable internet. Serving all with the power of Attobahn is core to our mission. Follow our commitment in action as we commence installations in the US and across the globe in late 2020. We will feature stories of the impact of Attobahn here and on social media. Tune in as we turn on access, quality of access and affordability for communities all over the world.

Attobahn will forever change the mode of internet access as the new form of service that will spawn new applications, which in turn will drive further evolution of the internet itself- and access to the internet.

Source: www.nytimes.com/2020/04/14/technology/coronavirus-digital-divide.html