

In 2015, the average smartphone in North America consumed 3.7 GB of data per month, and this is expected to increase to 22 GB per month by 2021. (Ericsson Mobility Report, June 2016)

Around 52 percent of American households are now wireless only for voice service. (CDC's 2016 Wireless Substitution: Early Release of Estimates From the National Health Interview Survey, July-December)

For Millennials (those born between 1982 and 2004), the number increases to over two-thirds who live in mobile-only households. That number is another significant jump up from 10.5% in 2006 and 31.6% in 2011. (FCC, Annual Report and Analysis of Competitive Market Conditions with Respect to Mobile Wireless, Nineteenth Report, DA 16-1061 (Sep. 23, 2016)

More than 70% of all adults aged 25-34 and of adults renting their homes were living in wireless-only households. (National Health Interview Survey, "Wireless Substitution: Early Release of Estimates From the National Health Interview Survey, July-December 2016.)

In 2016, wireless data traffic reached yet another record high. In all, traffic totaled 13.72 trillion MBs—the equivalent of 1.58 million years of streaming HD video - an increase of 4.07 trillion megabytes over 2015. Over the past two years, data use has increased 238 percent. (2017 CTIA Wireless Snapshot, May 2017 & Based on estimates from the U.S. Cellular Monthly Data Usage Estimate tool, available at <https://www.uscellular.com/data/data-estimator.html>)

2016 mobile data use is 35 times the volume of traffic in 2010. (2017 CTIA Wireless Snapshot, May 2017)

There are now more wireless devices than Americans, with about 1.2 devices for every person in the country. That makes the wireless platform nearly ubiquitous: 95 percent of U.S. adults own a cellphone. Compare that to the 78 percent of Americans who own a computer. (2017 CTIA Wireless Snapshot, May 2017 & Pew Research Center, "Mobile Fact Sheet" (Jan. 12, 2017), available at <http://www.pewinternet.org/fact-sheet/mobile/>)

Wireless-powered smart city solutions could produce \$160 billion in benefits and savings from lower energy use, reduced traffic congestion, and decreased fuel costs. (2017 CTIA Wireless Snapshot, May 2017 & Accenture, Smart Cities: How 5G Can Help Municipalities Become Vibrant Smart Cities (January 2017) available at <https://www.accenture.com/us-en/insight-smart-cities>.)

Connected devices could create \$305 billion in annual savings for the healthcare industry. (2017 CTIA Wireless Snapshot, May 2017 & David H. Roman and Kyle D. Conlee, The Digital Revolution Comes to US Healthcare: Technology, Incentives Align to Shake Up the Status Quo, Goldman Sachs Equity Report, Internet of Things Volume 5 (June 29, 2015) available at <http://massdigitalhealth.org/digital-revolution-comes-us-healthcare>.)

Self-driving cars could save 21,700 lives and \$447 billion per year. (2017 CTIA Wireless Snapshot, May

2017 & Daniel J. Fagnant and Kara Kockelman, "Preparing a Nation for Autonomous Vehicles: Opportunities, Barriers and Policy Recommendations for Capitalizing on Self-Driven Vehicles," Eno Center for Transportation (2013), available at <https://www.enotrans.org/etl-material/preparing-a-nation-for-autonomous-vehicles-opportunities-barriers-and-policy-recommendations/>)

The number of IoT devices worldwide will conservatively surpass 20 billion by the year 2020, (2) and this increase in connectivity stands to add roughly \$2.7 trillion to U.S. GDP by 2030. (2017 CTIA Wireless Snapshot, May 2017 & Dr. Michael Mandel, Progressive Policy Institute, Long Term U.S. Productivity Growth and Mobile Broadband: The Road Ahead (March 2016) available at [http://www.progressivepolicy.org/wp-content/uploads/2016/03/2016.03-Mandel\\_Long-term-US-Productivity-Growth-and-Mobile-Broadband\\_The-Road-Ahead.pdf](http://www.progressivepolicy.org/wp-content/uploads/2016/03/2016.03-Mandel_Long-term-US-Productivity-Growth-and-Mobile-Broadband_The-Road-Ahead.pdf))

In 2021, video will account for around 70% of mobile data traffic. (Ericsson Mobility Report, June 2016)

Across income levels, a significant majority of Americans now have smartphones, with 64 percent of people making less than \$30,000 a year and 93 percent of people earning more than \$75,000 a year owning smartphones.<sup>9</sup> And since 2011, the number of individuals making under \$30,000 per year who own a smartphone has grown by 42 percent. (2017 CTIA Wireless Snapshot, May 2017 & Pew Research Center, "Mobile Fact Sheet" (Jan. 12, 2017), available at <http://www.pewinternet.org/fact-sheet/mobile/>)

Today, just over half—50.8 percent—of American households only have a mobile voice connection.<sup>13</sup> For Millennials, the number increases to over two-thirds who live in mobile-only households. That number is up from 10.5% in 2006 and 31.6% in 2011. (2017 CTIA Wireless Snapshot, May 2017 & FCC, Annual Report and Analysis of Competitive Market Conditions with Respect to Mobile Wireless, Nineteenth Report, DA 16-1061 (Sep. 23, 2016))

Millennials lead smartphone adoption, with 92 percent of 18-29 year olds having a smartphone, followed by 88 percent of 30-49 year olds, and 74 percent of 50-64 year olds. With respect to race, smartphone ownership cuts across the board, with approximately 72 percent of African-Americans, 75 percent of Hispanics, and 77 percent of whites in the U.S. having smartphones. (2017 CTIA Wireless Snapshot, May 2017 & Pew Research Center, "Mobile Fact Sheet" (Jan. 12, 2017), available at <http://www.pewinternet.org/fact-sheet/mobile/>)

Teens have increased smartphone TV/video viewing 85% in 4 years. (Ericsson Mobility Report, June 2016)

Teen usage of cellular data for smartphone video has grown 127% in 15 months. (Ericsson Mobility Report, June 2016)

76% of 911 calls originate from a cell phone  
(National Highway Traffic Administration, February, 2016)

More than 75% of prospective home buyers prefer strong cellular connections  
(RootMetrics, June 2015)

35% of Americans reach for their smartphone first in the morning  
(CTIA, July 2015)

Machine-to-machine connections are projected to rise from 36 million in 2013 to 263 million in 2018.  
(Cisco, VNI Mobile Forecast Highlights 2013-2018, at "United States – 2018 Forecast Highlights and 2013 Year in Review")

By 2020, more than 34 billion internet-connected devices will be installed globally — that's more than 4 devices for every human on earth. (Business Insider, May 20, 2016)