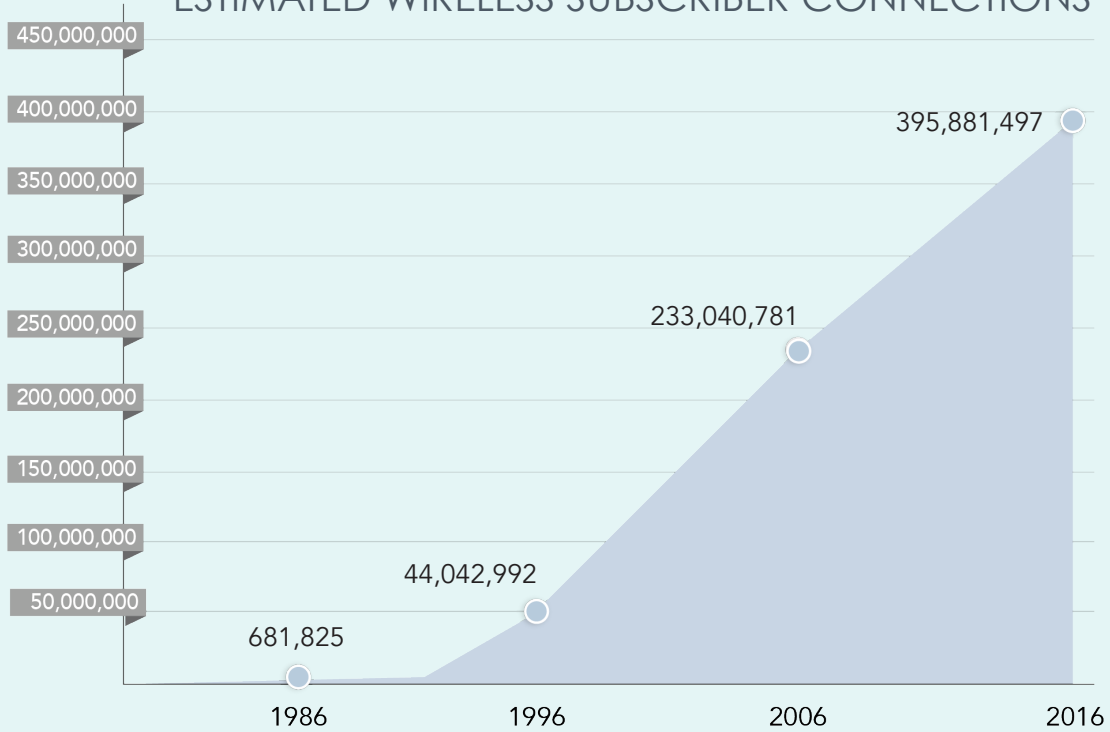
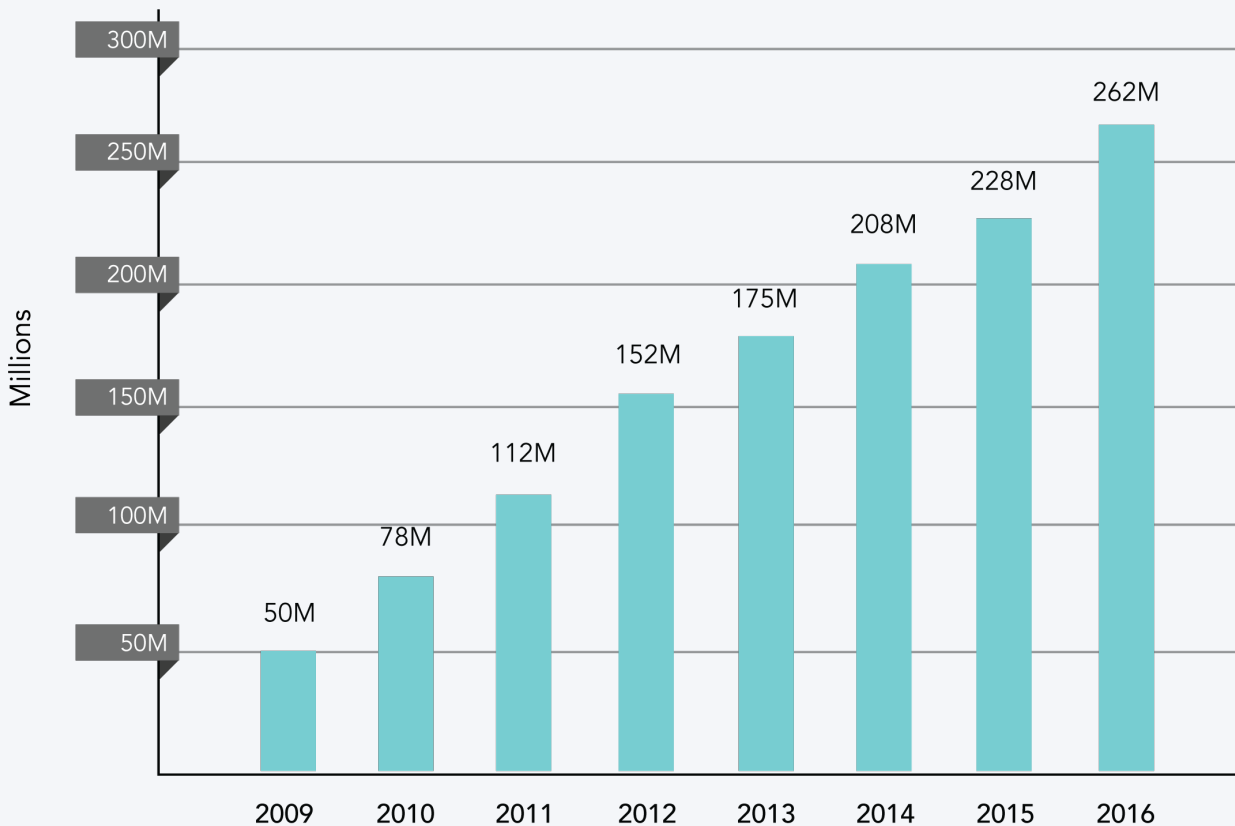


ESTIMATED WIRELESS SUBSCRIBER CONNECTIONS



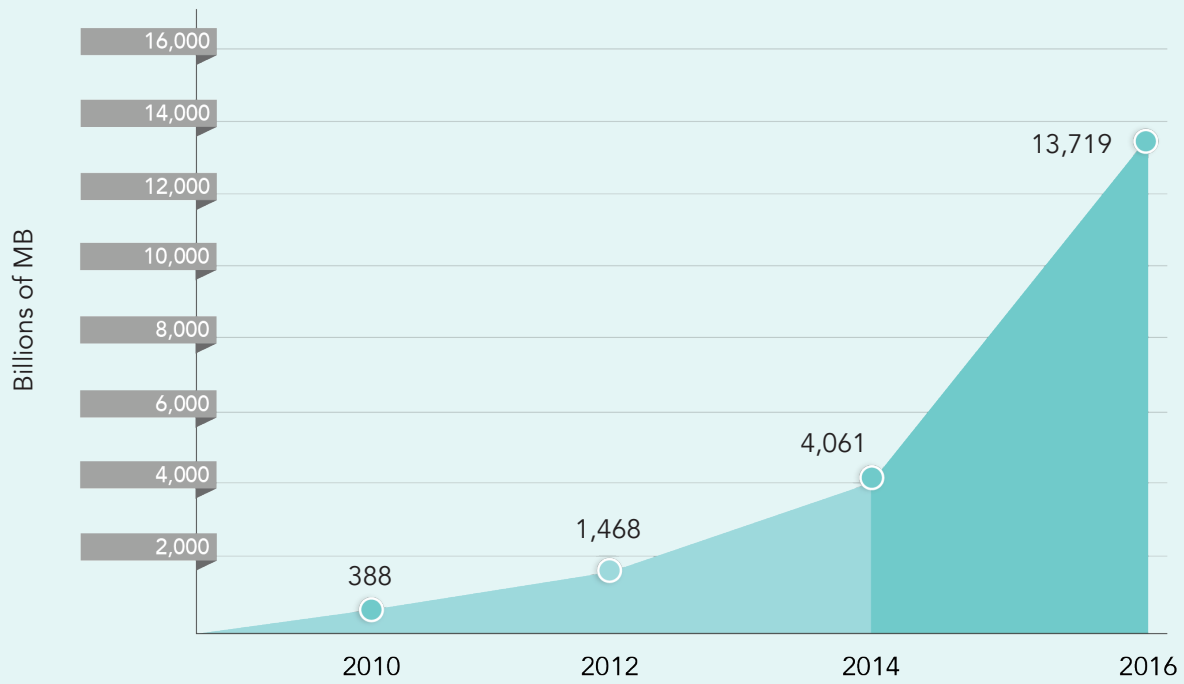
Estimated Connections up 4.7% from 2015, Almost 18 Million Net Adds Year-Over-Year

SMARTPHONES IN ACTIVE USE



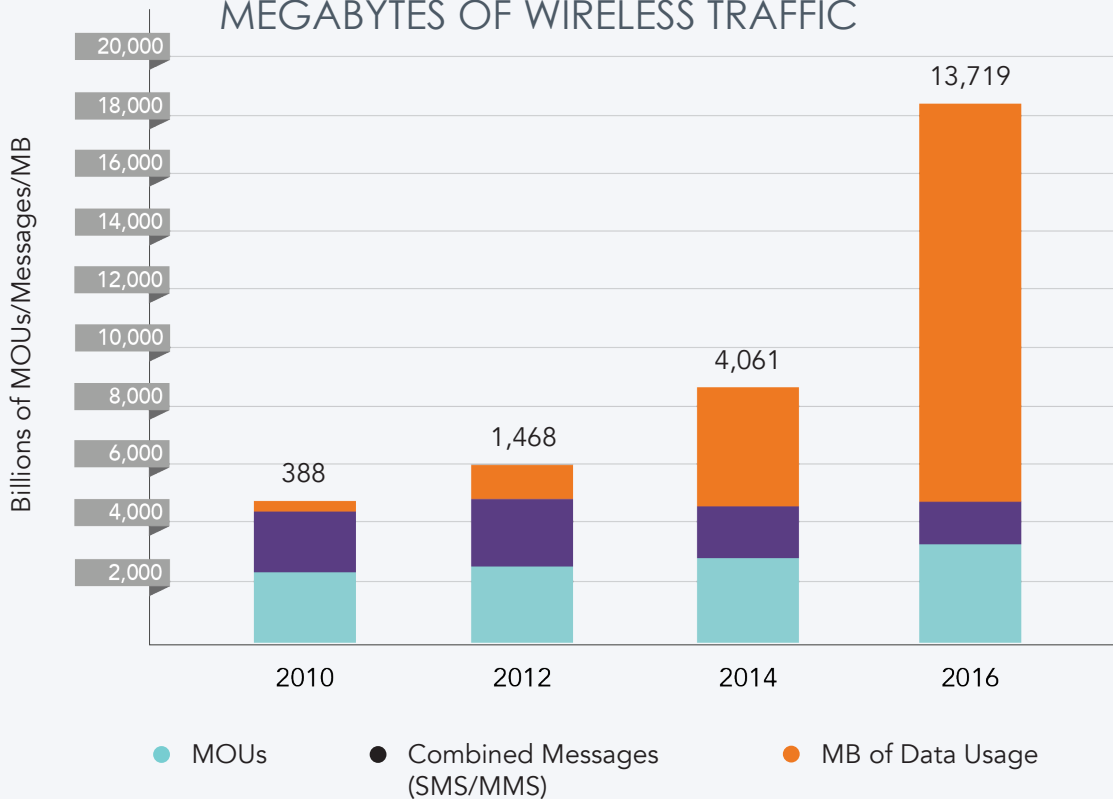
Reported Smartphones Rose 15% Year-to-Year

REPORTED WIRELESS DATA TRAFFIC



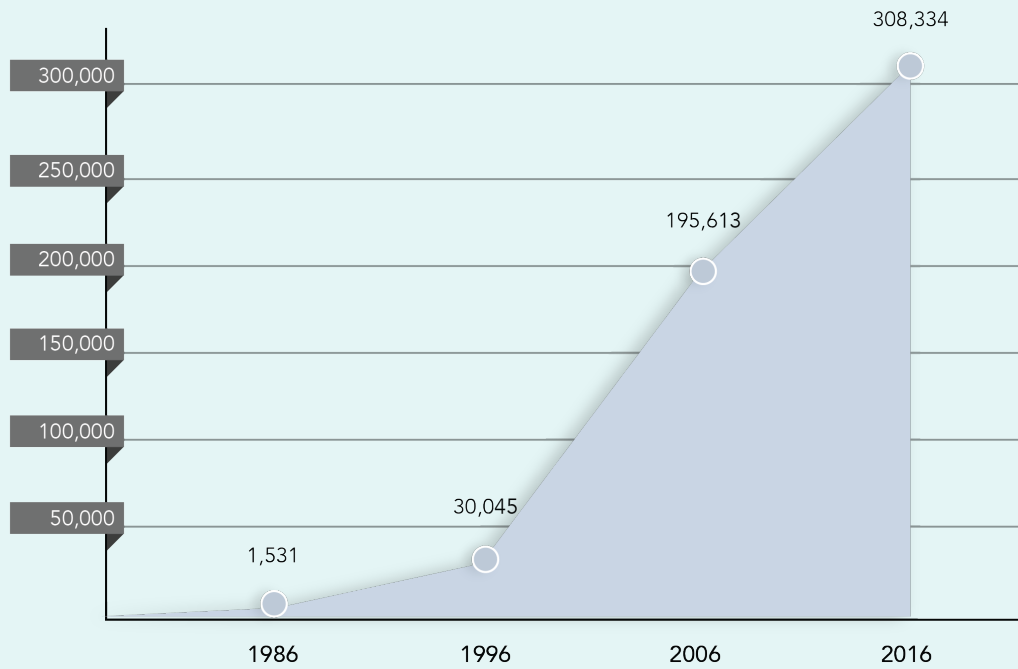
Reported Annual Wireless Data Traffic Grew 35 Times Since 2010, Up 42% from 2015

ANNUAL MINUTES, MESSAGES AND MEGABYTES OF WIRELESS TRAFFIC



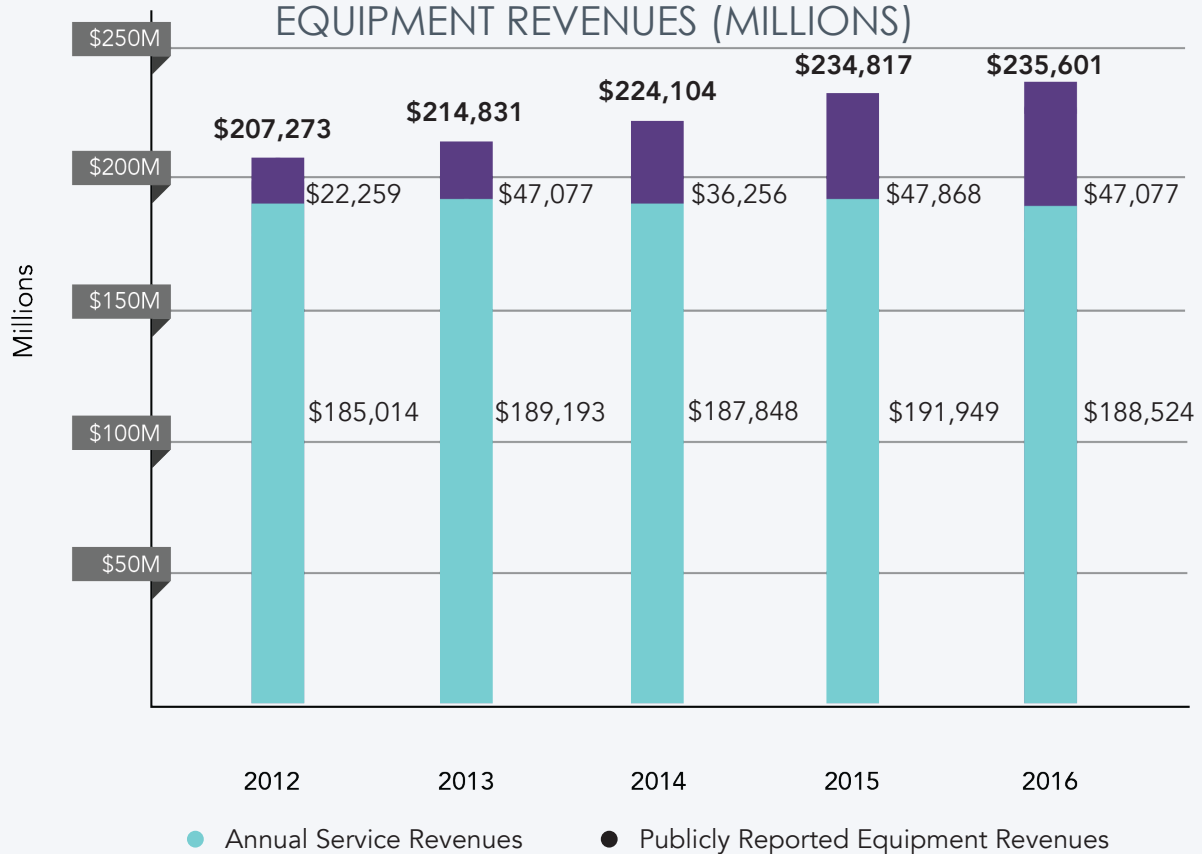
The Mix of Minutes, Messages and MBs Changes – Data Dominates

CELL SITES IN SERVICE



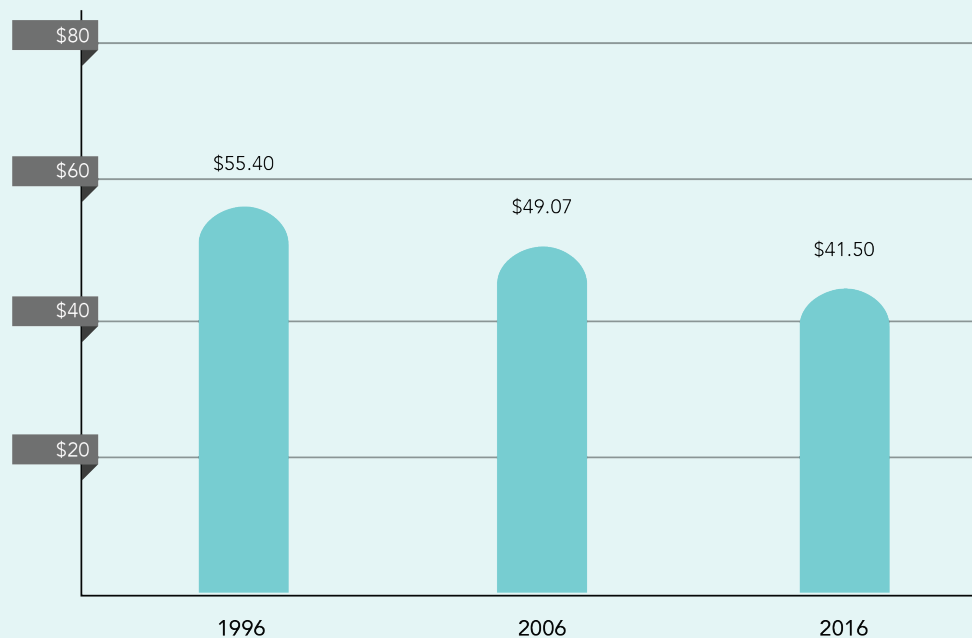
A Record 308,334 Cells Sites Were in Operation in 2016, Representing a 57% Growth Over the Last Decade

COMBINED WIRELESS SERVICE AND EQUIPMENT REVENUES (MILLIONS)



Combined Service and Equipment Revenues Rose 0.3% Year-to-Year

MONTHLY SERVICE AVERAGE REVENUE PER UNIT (ARPU)



Monthly ARPU Fell 7% Year-to-Year

CTIA ANNUALIZED WIRELESS INDUSTRY SURVEY RESULTS - 2000 TO 2016

Date	Estimated Total Subscriber Connections	Annual Services Revenues (\$000s)	Cumulative CapEx (\$000)	Cell Sites	Direct Carrier Employees	Monthly Average Revenue Per Unit
2000	109,478,031	\$52,466,020	\$89,624,387	104,288	184,449	\$48.55
2001	128,374,512	\$65,316,235	\$105,030,101	127,540	203,580	\$49.79
2002	140,766,842	\$76,508,187	\$126,922,347	139,338	192,410	\$51.00
2003	158,721,981	\$87,624,093	\$145,866,914	162,986	205,629	\$51.55
2004	182,140,362	\$102,121,210	\$173,793,507	175,725	226,016	\$52.54
2005	207,896,198	\$113,538,221	\$199,025,327	183,689	233,067	\$50.65
2006	233,040,781	\$125,456,825	\$223,449,194	195,613	253,793	\$49.07
2007	255,395,599	\$138,869,304	\$244,591,206	213,299	266,782	\$49.26
2008	270,333,881	\$148,084,170	\$264,760,517	242,130	268,528	\$48.87
2009	285,646,191	\$152,551,854	\$285,121,591	247,081	249,247	\$47.97
2010	296,285,629	\$159,929,648	\$310,014,852	253,086	250,393	\$47.53
2011	315,963,848	\$169,767,314	\$335,331,968	283,385	238,071	\$46.11
2012	326,475,248	\$185,013,936	\$365,426,327	301,779	230,101	\$48.99
2013	335,652,171	\$189,192,812	\$398,567,671	304,360	230,409	\$48.79
2014	355,445,472	\$187,848,447	\$430,642,374	298,055	232,169	\$46.64
2015	377,921,241	\$191,949,025	\$462,605,007	307,626	235,818	\$44.65
2016	395,881,497	\$188,524,256	\$488,996,535	308,334	216,537	\$41.50

Cumulative Capital Investment Neared \$489 Billion at Year-end 2016