|  | Number of services | 2008 (SE) | 2009 (SE) | 2010 (SE) | 2011 (SE) | 2012 (SE) | 2013 (SE) | 2014 (SE) | 2015 (SE) | 2016 (SE) | 2017 (SE) | 2018 (SE) | 2019 (SE) | 2020 (SE) | Percent Change (95% CI) | Joinpoint Year | APC Period 1 (95% CI) | APC Period 2 (95% CI) | AAPC (95% CI) |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Overall |
| - | Zero services | 5.12 (1.2) | 5.40 (1.3) | 2.99 (0.65) | 3.15 (0.79) | 4.31 (0.84) | 2.86 (0.59) | 3.50 (0.93) | 2.81 (0.82) | 2.28 (0.54) | 7.35 (1.2) | 7.72 (1.3) | 6.07 (1.2) | 8.15 (1.9) | 59.2 (-41.8, 160.2) |  | 4.7 (-2.1, 12.0) |  | 4.7 (-2.1, 12.0) |
| - | All services | 7.11 (1.3) | 7.20 (1.1) | 7.61 (1.0) | 8.72 (1.3) | 7.78 (1.0) | 8.14 (0.86) | 7.49 (1.0) | 6.49 (0.63) | 7.92 (1.6) | 7.96 (1.3) | 7.28 (0.81) | 10.8 (1.7) | 7.92 (1.3) | 11.3 (-42.8, 65.5) |  | 1.1 (-0.8, 3.1) |  | 1.1 (-0.8, 3.1) |
| Age |
| 18 to 44 | Zero services | 7.95 (2.2) | 8.01 (2.3) | 4.00 (1.2) | 4.80 (1.5) | 6.23 (1.5) | 3.40 (1.1) | 4.66 (1.7) | 4.31 (1.5) | 3.37 (1.0) | 10.5 (2.2) | 11.2 (2.4) | 8.48 (2.2) | 9.51 (3.3) | 19.7 (-84.1, 123.5) |  | 3.8 (-3.1, 11.3) |  | 3.8 (-3.1, 11.3) |
| 45 to 64 | Zero services | 2.75 (0.60) | 3.33 (0.72) | 2.33 (0.54) | 1.67 (0.36) | 3.11 (0.62) | 3.00 (0.56) | 3.06 (0.69) | 1.57 (0.43) | 1.37 (0.31) | 4.18 (0.75) | 4.44 (0.85) | 4.32 (0.96) | 8.03 (1.5) | 191.8 (25.6, 357.9) |  | 6.1 (-1.3, 14.1) |  | 6.1 (-1.3, 14.1) |
| 65 to 74 | Zero services | 0.218 (0.22) | 0.829 (0.47) | 0.547 (0.40) | 0.592 (0.29) | 0.566 (0.31) | 0.996 (0.51) | 0.901 (0.54) | 0.535 (0.30) | 0.362 (0.19) | 3.73 (0.97) | 2.26 (0.60) | 1.20 (0.46) | 1.81 (0.69) | 732.9 (-1023.5, 2489.4) |  | 14.2 (3.6, 25.9) |  | 14.2 (3.6, 25.9) |
| 75+ | Zero services | 0.769 (0.44) | 0.954 (0.67) | 1.51 (1.0) | 0.647 (0.65) | 0.267 (0.19) | 0.842 (0.48) | 0.339 (0.20) | 0.109 (0.11) | 0.659 (0.35) | 2.27 (0.84) | 3.13 (1.5) | 2.06 (0.80) | 6.69 (1.7) | 769.9 (-303.1, 1842.8) | 2015 | -18.2 (-34.9, 2.8) | 92.2 (31.1, 181.9) | 16.8 (-2.1, 39.4) |
| 18 to 44 | All services | 5.24 (2.1) | 3.84 (1.8) | 5.54 (1.7) | 7.82 (2.4) | 6.02 (1.6) | 6.74 (1.3) | 4.74 (1.8) | 1.68 (0.76) | 5.86 (2.8) | 4.60 (2.2) | 3.22 (1.4) | 7.68 (3.0) | 3.66 (2.2) | -30.1 (-129.6, 69.3) |  | -2.1 (-8.7, 4.9) |  | -2.1 (-8.7, 4.9) |
| 45 to 64 | All services | 9.09 (1.2) | 11.1 (1.4) | 9.38 (1.4) | 9.12 (1.3) | 8.69 (1.4) | 8.77 (1.4) | 8.87 (1.3) | 10.5 (1.4) | 8.47 (1.3) | 9.95 (1.3) | 10.4 (1.2) | 11.5 (1.5) | 10.8 (1.7) | 19.3 (-28.4, 67.1) |  | 1.1 (-0.5, 2.8) |  | 1.1 (-0.5, 2.8) |
| 65 to 74 | All services | 8.10 (1.9) | 11.9 (1.9) | 12.7 (2.3) | 12.9 (1.9) | 11.4 (1.7) | 12.0 (1.9) | 15.5 (2.2) | 15.3 (2.3) | 17.2 (2.1) | 16.1 (2.0) | 14.4 (1.7) | 20.4 (2.2) | 15.8 (2.0) | 95.6 (-5.0, 196.2) |  | 5.0 (2.7, 7.4) |  | 5.0 (2.7, 7.4) |
| 75+ | All services | 11.0 (2.2) | 9.79 (2.1) | 9.00 (1.9) | 8.47 (2.0) | 12.0 (2.4) | 10.8 (2.0) | 11.7 (2.3) | 13.4 (2.1) | 9.17 (2.0) | 13.6 (2.2) | 14.4 (2.1) | 17.8 (2.2) | 16.3 (2.6) | 47.8 (-26.6, 122.1) |  | 4.7 (2.1, 7.4) |  | 4.7 (2.1, 7.4) |
| Highest degree earned |
| Less than high school | Zero services | 10.8 (4.1) | 12.1 (3.8) | 5.72 (1.7) | 4.06 (0.98) | 9.78 (3.9) | 3.53 (1.0) | 4.16 (1.3) | 3.50 (1.9) | 5.46 (2.1) | 8.32 (1.8) | 14.9 (3.8) | 13.4 (3.6) | 21.4 (6.6) | 97.5 (-91.3, 286.2) | 2015 | -13.9 (-25.6, -0.3) | 45.3 (13.7, 85.6) | 7.1 (-4.4, 19.9) |
| High school | Zero services | 4.01 (1.1) | 4.51 (1.6) | 1.56 (0.62) | 2.63 (0.91) | 3.71 (1.5) | 2.46 (0.80) | 2.79 (0.98) | 5.34 (3.0) | 1.51 (0.57) | 9.63 (2.2) | 7.64 (2.2) | 3.43 (1.2) | 7.43 (2.6) | 85.4 (-75.4, 246.1) |  | 6.6 (-2.5, 16.5) |  | 6.6 (-2.5, 16.5) |
| Greater than high school | Zero services | 2.34 (1.0) | 0.803 (0.43) | 3.06 (1.5) | 3.28 (2.1) | 4.31 (2.6) | 2.75 (1.3) | 3.99 (2.4) | 0.553 (0.42) | 1.07 (0.77) | 3.19 (1.3) | 3.22 (1.4) | 3.70 (1.7) | 2.32 (0.73) | -1.2 (-105.1, 102.8) |  | 1.8 (-8.8, 13.7) |  | 1.8 (-8.8, 13.7) |
| Less than high school | All services | 2.40 (0.59) | 1.58 (0.47) | 1.71 (0.55) | 2.71 (1.3) | 4.95 (1.5) | 1.81 (0.58) | 3.04 (1.1) | 1.48 (0.46) | 5.24 (2.6) | 1.73 (0.60) | 5.35 (2.4) | 2.76 (0.66) | 1.90 (0.59) | -20.8 (-82.6, 41.0) |  | 2.5 (-5.1, 10.8) |  | 2.5 (-5.1, 10.8) |
| High school | All services | 7.05 (1.6) | 8.52 (1.9) | 6.16 (1.2) | 6.34 (1.5) | 7.23 (2.0) | 7.83 (1.9) | 8.33 (1.9) | 6.06 (1.4) | 4.85 (0.79) | 5.45 (0.81) | 5.88 (0.75) | 9.82 (2.1) | 7.56 (2.4) | 7.3 (-74.4, 89.1) |  | -0.3 (-3.6, 3.1) |  | -0.3 (-3.6, 3.1) |
| Greater than high school | All services | 11.4 (3.0) | 10.0 (1.6) | 14.3 (2.8) | 18.3 (3.9) | 19.7 (5.4) | 14.2 (3.1) | 9.48 (1.8) | 12.1 (2.6) | 15.3 (4.9) | 16.7 (3.7) | 10.4 (1.8) | 18.0 (4.0) | 11.7 (1.9) | 2.3 (-59.7, 64.4) |  | 0.4 (-3.7, 4.7) |  | 0.4 (-3.7, 4.7) |
| Race/Ethnicity |
| Hispanic | Zero services | 5.20 (3.8) | 18.0 (11.) | 1.99 (2.1) | 0 (0) | 7.37 (1.9) | 9.07 (2.5) | 7.38 (1.9) | 4.50 (1.2) | 5.61 (1.6) | 11.3 (2.9) | 13.4 (3.9) | 9.98 (3.5) | 14.6 (5.2) | 180.5 (-264.5, 625.5) |  |  |  |  |
| Black/not Hispanic | Zero services | 5.27 (1.9) | 2.69 (1.1) | 4.07 (2.0) | 2.63 (1.2) | 5.16 (1.8) | 2.43 (1.2) | 0.282 (0.14) | 4.09 (1.8) | 2.58 (1.3) | 7.67 (1.8) | 9.61 (3.0) | 6.66 (2.2) | 9.11 (3.2) | 73.1 (-99.1, 245.2) |  | 7.8 (-7.0, 24.9) |  | 7.8 (-7.0, 24.9) |
| Asian/not Hispanic | Zero services | 0.860 (0.89) | 2.59 (1.3) | 1.12 (0.84) | 0.632 (0.47) | 6.20 (5.2) | 1.59 (1.0) | 3.24 (1.9) | 0.588 (0.42) | 1.03 (0.69) | 5.60 (2.3) | 2.36 (1.8) | 0.583 (0.60) | 1.71 (1.4) | 98.9 (-415.0, 612.9) |  | 0.9 (-12.1, 15.8) |  | 0.9 (-12.1, 15.8) |
| White/not Hispanic | Zero services | 5.48 (1.5) | 5.97 (1.7) | 2.68 (0.70) | 3.07 (0.90) | 2.88 (1.1) | 1.18 (0.41) | 1.76 (0.81) | 2.15 (1.3) | 0.837 (0.46) | 5.40 (1.8) | 5.15 (1.7) | 4.76 (1.5) | 5.49 (2.2) | 0.2 (-94.3, 94.6) | 2014 | 0.7 (-14.2, 18.3) |  | 0.7 (-14.2, 18.3) |
| Hispanic | All services | 0 (0) | 0 (0) | 5.73 (5.7) | 0 (0) | 3.65 (1.1) | 1.90 (0.65) | 6.29 (3.2) | 4.08 (1.5) | 3.24 (0.80) | 3.62 (1.2) | 2.51 (0.69) | 2.73 (1.3) | 3.65 (2.4) | Inf (NaN, NaN) |  |  |  |  |
| Black/not Hispanic | All services | 4.59 (1.5) | 3.52 (1.5) | 4.59 (2.1) | 5.61 (2.3) | 3.73 (1.9) | 5.06 (1.6) | 4.64 (1.9) | 4.12 (1.1) | 2.08 (0.56) | 4.58 (1.5) | 3.60 (0.99) | 5.40 (1.4) | 13.3 (7.2) | 188.6 (-172.1, 549.3) | 2018 | 8.2 (-5.9, 24.3) |  | 8.2 (-5.9, 24.3) |
| Asian/not Hispanic | All services | 8.17 (3.4) | 5.70 (1.8) | 7.99 (3.6) | 3.84 (1.4) | 12.0 (4.5) | 13.5 (4.7) | 6.71 (2.3) | 9.39 (3.0) | 6.12 (2.4) | 3.84 (1.8) | 3.26 (1.5) | 15.2 (9.6) | 4.94 (2.5) | -39.6 (-117.4, 38.2) |  | -1.9 (-9.7, 6.7) |  | -1.9 (-9.7, 6.7) |
| White/not Hispanic | All services | 7.88 (1.7) | 8.15 (1.3) | 8.57 (1.3) | 10.1 (1.7) | 10.7 (1.7) | 11.1 (1.4) | 9.25 (1.4) | 8.01 (0.98) | 11.2 (2.7) | 11.5 (2.3) | 11.6 (1.5) | 15.3 (2.4) | 9.09 (0.95) | 15.3 (-39.2, 69.7) |  | 3.0 (0.3, 5.7) |  | 3.0 (0.3, 5.7) |
| Sex |
| Male | Zero services | 7.24 (2.2) | 8.05 (2.4) | 2.84 (0.98) | 4.02 (1.3) | 5.73 (1.5) | 3.60 (1.0) | 4.34 (1.7) | 1.77 (0.62) | 1.93 (0.72) | 8.58 (2.0) | 9.93 (2.4) | 6.52 (1.8) | 12.6 (3.3) | 73.7 (-64.2, 211.5) |  | 3.7 (-6.3, 14.9) |  | 3.7 (-6.3, 14.9) |
| Female | Zero services | 3.19 (1.0) | 3.12 (0.81) | 3.14 (0.94) | 2.30 (0.83) | 2.85 (0.70) | 2.15 (0.57) | 2.76 (0.85) | 3.70 (1.4) | 2.60 (0.78) | 6.18 (1.3) | 5.59 (1.3) | 5.59 (1.4) | 4.10 (1.1) | 28.5 (-76.3, 133.4) |  | 5.7 (0.9, 10.6) |  | 5.7 (0.9, 10.6) |
| Male | All services | 7.48 (1.8) | 7.95 (1.9) | 8.68 (1.4) | 8.74 (1.6) | 7.30 (1.3) | 9.07 (1.4) | 8.50 (1.8) | 7.38 (1.1) | 8.27 (1.6) | 7.74 (1.1) | 6.87 (1.2) | 9.46 (1.8) | 8.72 (2.2) | 16.6 (-63.3, 96.4) |  | 0.3 (-1.3, 1.9) |  | 0.3 (-1.3, 1.9) |
| Female | All services | 6.78 (1.8) | 6.55 (1.1) | 6.60 (1.5) | 8.70 (2.2) | 8.26 (1.6) | 7.26 (0.94) | 6.61 (1.2) | 5.73 (0.79) | 7.60 (2.5) | 8.18 (2.2) | 7.68 (1.2) | 12.2 (2.3) | 7.19 (1.6) | 6.0 (-65.3, 77.4) |  | 1.9 (-1.0, 4.9) |  | 1.9 (-1.0, 4.9) |
| Insurance coverage |
| Private only | Zero services | 3.24 (1.1) | 2.00 (0.70) | 2.37 (0.98) | 3.41 (1.4) | 1.87 (0.74) | 0.782 (0.33) | 3.27 (1.6) | 2.76 (1.4) | 2.17 (0.83) | 3.99 (1.0) | 2.82 (1.1) | 5.54 (1.6) | 3.53 (1.5) | 9.0 (-106.2, 124.3) |  | 4.7 (-2.9, 12.8) |  | 4.7 (-2.9, 12.8) |
| Medicare only | Zero services | 0.503 (0.22) | 2.10 (1.5) | 1.27 (0.61) | 0.794 (0.44) | 0.720 (0.28) | 1.24 (0.50) | 0.606 (0.30) | 0.348 (0.18) | 0.514 (0.21) | 2.94 (0.90) | 4.00 (1.6) | 1.38 (0.54) | 3.50 (0.97) | 595.5 (-105.2, 1296.3) |  | 9.3 (-3.3, 23.5) |  | 9.3 (-3.3, 23.5) |
| Medicaid | Zero services | 1.95 (1.1) | 4.07 (2.4) | 0.994 (0.40) | 0.306 (0.13) | 3.55 (1.3) | 1.68 (0.78) | 4.60 (1.8) | 2.28 (1.3) | 2.52 (1.3) | 9.68 (3.1) | 11.3 (3.1) | 8.38 (2.9) | 15.6 (5.0) | 700.5 (-294.8, 1695.7) |  | 21.7 (6.8, 38.8) |  | 21.7 (6.8, 38.8) |
| Uninsured | Zero services | 23.2 (7.0) | 22.5 (6.4) | 9.77 (3.1) | 10.3 (2.5) | 20.0 (4.9) | 14.7 (4.1) | 8.03 (2.8) | 9.66 (3.2) | 5.98 (2.2) | 25.8 (6.8) | 39.0 (11.) | 12.6 (5.5) | 26.0 (9.8) | 12.2 (-93.6, 118.0) |  | 1.8 (-7.4, 11.8) |  | 1.8 (-7.4, 11.8) |
| Private only | All services | 9.15 (2.2) | 9.94 (2.0) | 11.1 (2.0) | 11.4 (2.4) | 9.74 (2.0) | 9.96 (1.6) | 8.08 (1.8) | 7.02 (1.1) | 10.7 (3.0) | 11.0 (2.6) | 8.57 (1.6) | 13.6 (3.1) | 7.79 (2.2) | -14.8 (-76.5, 46.9) |  | -0.4 (-3.4, 2.7) |  | -0.4 (-3.4, 2.7) |
| Medicare only | All services | 9.07 (1.6) | 10.6 (1.4) | 10.6 (1.6) | 11.4 (1.5) | 12.9 (1.8) | 13.6 (1.7) | 13.8 (1.7) | 13.9 (1.4) | 11.9 (1.7) | 13.0 (1.6) | 13.2 (1.5) | 19.4 (1.7) | 19.3 (3.2) | 113.3 (12.6, 214.1) |  | 4.9 (2.9, 6.9) |  | 4.9 (2.9, 6.9) |
| Medicaid | All services | 2.54 (0.91) | 1.78 (0.68) | 1.83 (0.76) | 4.25 (2.6) | 2.11 (0.80) | 4.29 (1.6) | 3.88 (1.5) | 1.32 (0.29) | 1.46 (0.40) | 2.27 (0.59) | 2.76 (0.61) | 2.43 (0.85) | 3.44 (1.9) | 35.2 (-140.5, 210.8) |  | 0.7 (-5.8, 7.6) |  | 0.7 (-5.8, 7.6) |
| Uninsured | All services | 1.78 (1.2) | 0 (0) | 0.265 (0.26) | 0.374 (0.30) | 1.94 (0.94) | 1.92 (1.3) | 0.819 (0.59) | 1.31 (0.71) | 1.62 (1.1) | 0.340 (0.25) | 0.520 (0.55) | 0.671 (0.68) | 0 (0) | -100.0 (NaN, NaN) |  |  |  |  |
| Poverty income ratio |
| > 400% | Zero services | 4.93 (2.7) | 2.74 (1.9) | 0.463 (0.24) | 3.36 (1.8) | 2.39 (1.1) | 0.981 (0.40) | 3.61 (2.5) | 2.73 (2.2) | 0.944 (0.67) | 3.65 (1.6) | 2.57 (1.2) | 2.69 (1.2) | 1.40 (0.61) | -71.6 (-110.5, -32.6) |  | -0.8 (-11.5, 11.3) |  | -0.8 (-11.5, 11.3) |
| 200%—399% | Zero services | 3.87 (1.5) | 5.04 (2.6) | 3.73 (1.5) | 2.55 (1.0) | 1.79 (0.77) | 3.02 (1.2) | 2.34 (0.94) | 3.12 (1.3) | 2.86 (1.2) | 6.23 (2.0) | 4.08 (1.4) | 6.01 (2.0) | 11.3 (3.8) | 192.1 (-95.9, 480.2) | 2012 | -21.3 (-41.0, 5.2) | 19.3 (7.9, 31.8) | 3.9 (-6.0, 14.7) |
| 100%—199% | Zero services | 6.43 (2.2) | 7.90 (2.6) | 2.69 (1.5) | 3.55 (1.5) | 6.26 (2.3) | 3.31 (1.3) | 3.05 (1.2) | 2.35 (0.91) | 1.80 (0.79) | 11.7 (3.1) | 17.3 (3.7) | 5.59 (3.1) | 10.6 (3.4) | 64.6 (-86.1, 215.4) |  | 5.3 (-5.8, 17.8) |  | 5.3 (-5.8, 17.8) |
| < 100% | Zero services | 6.12 (2.2) | 7.27 (2.4) | 6.02 (1.9) | 3.28 (1.2) | 8.77 (2.1) | 4.67 (1.9) | 5.52 (2.0) | 3.07 (1.2) | 4.64 (2.1) | 9.34 (2.3) | 9.09 (3.2) | 13.3 (3.7) | 13.6 (5.8) | 123.1 (-118.6, 364.7) | 2015 | -6.5 (-17.9, 6.4) | 30.2 (4.9, 61.6) | 7.3 (-2.9, 18.6) |
| > 400% | All services | 13.1 (3.0) | 11.5 (1.7) | 14.1 (2.5) | 17.0 (3.5) | 14.1 (2.7) | 18.1 (2.7) | 14.0 (2.9) | 12.4 (1.7) | 16.6 (4.3) | 17.0 (3.5) | 14.7 (2.6) | 17.6 (4.1) | 12.6 (3.0) | -4.0 (-66.1, 58.0) |  | 1.1 (-1.3, 3.6) |  | 1.1 (-1.3, 3.6) |
| 200%—399% | All services | 5.38 (2.1) | 5.86 (1.3) | 4.07 (0.82) | 6.23 (1.2) | 8.76 (2.0) | 3.99 (0.79) | 5.32 (1.2) | 5.37 (1.1) | 4.59 (0.95) | 5.78 (1.4) | 5.57 (1.2) | 12.8 (3.2) | 7.52 (1.9) | 39.8 (-89.2, 168.7) |  | 3.3 (-1.7, 8.6) |  | 3.3 (-1.7, 8.6) |
| 100%—199% | All services | 4.02 (1.5) | 7.12 (3.4) | 7.32 (3.0) | 5.05 (2.4) | 3.86 (1.1) | 4.42 (1.2) | 5.08 (1.6) | 3.73 (1.2) | 3.64 (1.6) | 3.64 (1.1) | 3.80 (0.90) | 4.59 (1.2) | 2.38 (0.60) | -40.8 (-93.0, 11.4) |  | -4.9 (-8.5, -1.3) |  | -4.9 (-8.5, -1.3) |
| < 100% | All services | 2.80 (1.1) | 2.68 (1.1) | 4.25 (1.3) | 2.08 (0.64) | 1.95 (0.81) | 4.93 (1.8) | 4.15 (1.8) | 1.35 (0.43) | 1.90 (0.73) | 1.23 (0.37) | 3.94 (0.88) | 2.35 (0.73) | 4.94 (3.1) | 76.2 (-179.2, 331.6) |  | -0.3 (-8.0, 8.1) |  | -0.3 (-8.0, 8.1) |