

Supplemental Table 2: Age-adjusted trends in proportions of U.S. adults with diagnosed diabetes, overall and by subgroup, who report receiving either none of six recommended care services or all six recommended care services—at least one dental visit, one dilated eye exam, one foot exam, two or more A1C tests, cholesterol level tested, and an influenza vaccine.

	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) ^{*,§}	AA PC (95% CI) ^{*,}
Overall																			
-	Zero services	5.1 (1.2)	5.4 (1.3)	3.0 (0.6)	3.1 (0.8)	4.3 (0.8)	2.9 (0.6)	3.5 (0.9)	2.8 (0.8)	2.3 (0.5)	7.3 (1.2)	7.7 (1.3)	6.1 (1.2)	8.2 (1.9)	18.5 (-51.5, 88.4)		3.1 (-4.5, 11.3)		3.1 (-4.5, 11.3)
-	All services	7.1 (1.3)	7.2 (1.1)	7.6 (1.0)	8.7 (1.3)	7.8 (1.0)	8.1 (0.9)	7.5 (1.0)	6.5 (0.6)	7.9 (1.6)	8.0 (1.3)	7.3 (0.8)	10.8 (1.7)	7.9 (1.3)	51.6 (-19.9, 123.1)		1.4 (-0.9, 3.7)		1.4 (-0.9, 3.7)
Age																			
18 to 44	Zero services	7.9 (2.2)	8.0 (2.3)	4.0 (1.2)	4.8 (1.5)	6.2 (1.5)	3.4 (1.1)	4.7 (1.7)	4.3 (1.5)	3.4 (1.0)	10.5 (2.2)	11.2 (2.4)	8.5 (2.2)	9.5 (3.3)	6.7 (-72.1, 85.5)		2.8 (-5.2, 11.6)		2.8 (-5.2, 11.6)
45 to 64	Zero services	2.8 (0.6)	3.3 (0.7)	2.3 (0.5)	1.7 (0.4)	3.1 (0.6)	3.0 (0.6)	3.1 (0.7)	1.6 (0.4)	1.4 (0.3)	4.2 (0.7)	4.4 (0.8)	4.3 (1.0)	8.0 (1.5)	57.0 (-38.8, 152.7)		3.1 (-4.4, 11.1)		3.1 (-4.4, 11.1)
65 to 74	Zero services	0.2 (0.2)	0.8 (0.5)	0.5 (0.4)	0.6 (0.3)	0.6 (0.3)	1.0 (0.5)	0.9 (0.5)	0.5 (0.3)	0.4 (0.2)	3.7 (1.0)	2.3 (0.6)	1.2 (0.5)	1.8 (0.7)	451.4 (-712.6, 1615.3)		14.4 (1.8, 28.6)		14.4 (1.8, 28.6)
75+	Zero services	0.8 (0.4)	1.0 (0.7)	1.5 (1.0)	0.6 (0.6)	0.3 (0.2)	0.8 (0.5)	0.3 (0.2)	0.1 (0.1)	0.7 (0.4)	2.3 (0.8)	3.1 (1.5)	2.1 (0.8)	6.7 (1.7)	168.2 (-194.9, 531.4)		7.6 (-10.3, 29.0)		7.6 (-10.3, 29.0)

	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) ^{*,§}	AA PC (95% CI) ^{*,}
18 to 44	All services	5.2 (2.1)	3.8 (1.8)	5.5 (1.7)	7.8 (2.4)	6.0 (1.6)	6.7 (1.3)	4.7 (1.8)	1.7 (0.8)	5.9 (2.8)	4.6 (2.2)	3.2 (1.4)	7.7 (3.0)	3.7 (2.2)	46.7 (-115.1, 208.4)		-1.5 (-9.3, 7.0)		-1.5 (-9.3, 7.0)
45 to 64	All services	9.1 (1.2)	11.1 (1.4)	9.4 (1.4)	9.1 (1.3)	8.7 (1.4)	8.8 (1.4)	8.9 (1.3)	10.5 (1.4)	8.5 (1.3)	9.9 (1.3)	10.4 (1.2)	11.5 (1.5)	10.8 (1.7)	26.7 (-20.3, 73.8)		1.0 (-0.9, 2.9)		1.0 (-0.9, 2.9)
65 to 74	All services	8.1 (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)	151.7 (26.7, 276.8)		5.8 (3.3, 8.4)		5.8 (3.3, 8.4)
75+	All services	11.0 (2.2)	9.8 (2.1)	9.0 (1.9)	8.5 (2.0)	12.0 (2.4)	10.8 (2.0)	11.7 (2.3)	13.4 (2.1)	9.2 (2.0)	13.6 (2.2)	14.4 (2.1)	17.8 (2.2)	16.3 (2.6)	62.0 (-12.3, 136.3)		4.5 (1.4, 7.7)		4.5 (1.4, 7.7)
Highest degree earned																			
Less than high school	Zero services	10.8 (4.1)	12.1 (3.8)	5.7 (1.7)	4.1 (1.0)	9.8 (3.9)	3.5 (1.0)	4.2 (1.3)	3.5 (1.9)	5.5 (2.1)	8.3 (1.8)	14.9 (3.8)	13.4 (3.6)	21.4 (6.6)	23.4 (-88.9, 135.6)	2015	-14.2 (-26.9, 0.7)	48.2 (1.3, 116.7)	4.7 (-9.2, 20.7)
High school	Zero services	4.0 (1.1)	4.5 (1.6)	1.6 (0.6)	2.6 (0.9)	3.7 (1.5)	2.5 (0.8)	2.8 (1.0)	5.3 (3.0)	1.5 (0.6)	9.6 (2.2)	7.6 (2.2)	3.4 (1.2)	7.4 (2.6)	-14.3 (-88.8, 60.2)		5.1 (-5.3, 16.7)		5.1 (-5.3, 16.7)
Greater than high school	Zero services	2.3 (1.0)	0.8 (0.4)	3.1 (1.5)	3.3 (2.1)	4.3 (2.6)	2.8 (1.3)	4.0 (2.4)	0.6 (0.4)	1.1 (0.8)	3.2 (1.3)	3.2 (1.4)	3.7 (1.7)	2.3 (0.7)	57.9 (-136.9, 252.7)		2.3 (-10.4, 16.7)		2.3 (-10.4, 16.7)

	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)	Perc ent Change (95% CI) ^{*,†}	Joinpo int Year [‡]	APC Peri od 1 (95 % CI) ^{*,§}	APC Peri od 2 (95 % CI) ^{*,§}	AA PC (95 % CI) ^{*,}
Less than high school	All services	2.4 (0.6)	1.6 (0.5)	1.7 (0.6)	2.7 (1.3)	4.9 (1.5)	1.8 (0.6)	3.0 (1.1)	1.5 (0.5)	5.2 (2.6)	1.7 (0.6)	5.4 (2.4)	2.8 (0.7)	1.9 (0.6)	15.2 (-62.3, 92.7)		4.6 (-4.2, 14.2)		4.6 (-4.2, 14.2)
High school	All services	7.0 (1.6)	8.5 (1.9)	6.2 (1.2)	6.3 (1.5)	7.2 (2.0)	7.8 (1.9)	8.3 (1.9)	6.1 (1.4)	4.9 (0.8)	5.5 (0.8)	5.9 (0.8)	9.8 (2.1)	7.6 (2.4)	39.4 (-46.3, 125.2)		-0.8 (-4.7, 3.2)		-0.8 (-4.7, 3.2)
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)	9.5 (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)	57.4 (-47.8, 162.6)		1.3 (-3.5, 6.3)		1.3 (-3.5, 6.3)
Race/Ethnicity																			
Hispanic	Zero services	5.2 (3.8)	18.0 (11.3)	2.0 (2.1)	0.0 (0.0)	7.4 (1.9)	9.1 (2.5)	7.4 (1.9)	4.5 (1.2)	5.6 (1.6)	11.3 (2.9)	13.4 (3.9)	10.0 (3.5)	14.6 (5.2)	91.9 (-211.4, 395.2)				
Black/not Hispanic	Zero services	5.3 (1.9)	2.7 (1.1)	4.1 (2.0)	2.6 (1.2)	5.2 (1.8)	2.4 (1.2)	0.3 (0.1)	4.1 (1.8)	2.6 (1.3)	7.7 (1.8)	9.6 (3.0)	6.7 (2.2)	9.1 (3.2)	26.5 (-95.0, 147.9)		5.6 (-11.3, 25.6)		5.6 (-11.3, 25.6)
Asian/not Hispanic	Zero services	0.9 (0.9)	2.6 (1.3)	1.1 (0.8)	0.6 (0.5)	6.2 (5.2)	1.6 (1.0)	3.2 (1.9)	0.6 (0.4)	1.0 (0.7)	5.6 (2.3)	2.4 (1.8)	0.6 (0.6)	1.7 (1.4)	-32.3 (-226.3, 161.7)		0.8 (-14.6, 18.9)		0.8 (-14.6, 18.9)
White/not Hispanic	Zero services	5.5 (1.5)	6.0 (1.7)	2.7 (0.7)	3.1 (0.9)	2.9 (1.1)	1.2 (0.4)	1.8 (0.8)	2.1 (1.3)	0.8 (0.5)	5.4 (1.8)	5.2 (1.7)	4.8 (1.5)	5.5 (2.2)	-13.1 (-83.2, 57.1)		-1.7 (-13.3, 11.5)		-1.7 (-13.3, 11.5)

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	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)	Perc ent Change (95% CI) ^{*,†}	Joinpo int Year [‡]	APC Peri od 1 (95 % CI) ^{*,§}	APC Peri od 2 (95 % CI) ^{*,§}	AA PC (95 % CI) ^{*,}
Private only	Zero services	3.2 (1.1)	2.0 (0.7)	2.4 (1.0)	3.4 (1.4)	1.9 (0.7)	0.8 (0.3)	3.3 (1.6)	2.8 (1.4)	2.2 (0.8)	4.0 (1.0)	2.8 (1.1)	5.5 (1.6)	3.5 (1.5)	71.0 (-74.5, 216.5)		4.6 (-4.3, 14.4)		4.6 (-4.3, 14.4)
Medicare only	Zero services	0.5 (0.2)	2.1 (1.5)	1.3 (0.6)	0.8 (0.4)	0.7 (0.3)	1.2 (0.5)	0.6 (0.3)	0.3 (0.2)	0.5 (0.2)	2.9 (0.9)	4.0 (1.6)	1.4 (0.5)	3.5 (1.0)	174.6 (-137.8, 487.0)		6.4 (-7.6, 22.5)		6.4 (-7.6, 22.5)
Medicaid	Zero services	1.9 (1.1)	4.1 (2.4)	1.0 (0.4)	0.3 (0.1)	3.6 (1.3)	1.7 (0.8)	4.6 (1.8)	2.3 (1.3)	2.5 (1.3)	9.7 (3.1)	11.3 (3.1)	8.4 (2.9)	15.6 (5.0)	329.6 (-215.1, 874.4)		19.7 (2.5, 39.7)		19.7 (2.5, 39.7)
Uninsured	Zero services	23.2 (7.0)	22.5 (6.4)	9.8 (3.1)	10.3 (2.5)	20.0 (4.9)	14.7 (4.1)	8.0 (2.8)	9.7 (3.2)	6.0 (2.2)	25.8 (6.8)	39.0 (10.6)	12.6 (5.5)	26.0 (9.8)	-45.8 (-102.2, 10.6)		-0.2 (-10.5, 11.3)		-0.2 (-10.5, 11.3)
Private only	All services	9.1 (2.2)	9.9 (2.0)	11.1 (2.0)	11.4 (2.4)	9.7 (2.0)	10.0 (1.6)	8.1 (1.8)	7.0 (1.1)	10.7 (3.0)	11.0 (2.6)	8.6 (1.6)	13.6 (3.1)	7.8 (2.2)	48.6 (-48.0, 145.3)		0.5 (-2.8, 4.0)		0.5 (-2.8, 4.0)
Medicare only	All services	9.1 (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)	114.4 (31.8, 197.0)		4.4 (2.1, 6.7)		4.4 (2.1, 6.7)
Medicaid	All services	2.5 (0.9)	1.8 (0.7)	1.8 (0.8)	4.2 (2.6)	2.1 (0.8)	4.3 (1.6)	3.9 (1.5)	1.3 (0.3)	1.5 (0.4)	2.3 (0.6)	2.8 (0.6)	2.4 (0.8)	3.4 (1.9)	-4.6 (-98.0, 88.8)		-0.7 (-8.0, 7.3)		-0.7 (-8.0, 7.3)
Uninsured	All services	1.8 (1.2)	0.0 (0.0)	0.3 (0.3)	0.4 (0.3)	1.9 (0.9)	1.9 (1.3)	0.8 (0.6)	1.3 (0.7)	1.6 (1.1)	0.3 (0.2)	0.5 (0.5)	0.7 (0.7)	0.0 (0.0)	-62.3 (-153.0, 28.4)				

	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)	Percentage Change (95% CI) ^{*,†}	Joinpoint Year [‡]	APC Period 1 (95% CI) ^{*,§}	APC Period 2 (95% CI) ^{*,§}	AA PC (95% CI) ^{*,}
Poverty income ratio																			
> 400%	Zero services	4.9 (2.7)	2.7 (1.9)	0.5 (0.2)	3.4 (1.8)	2.4 (1.1)	1.0 (0.4)	3.6 (2.5)	2.7 (2.2)	0.9 (0.7)	3.6 (1.6)	2.6 (1.2)	2.7 (1.2)	1.4 (0.6)	-45.4 (-120.1, 29.2)		0.9 (-11.9, 15.5)		0.9 (-11.9, 15.5)
200% — 399%	Zero services	3.9 (1.5)	5.0 (2.6)	3.7 (1.5)	2.6 (1.0)	1.8 (0.8)	3.0 (1.2)	2.3 (0.9)	3.1 (1.3)	2.9 (1.2)	6.2 (2.0)	4.1 (1.4)	6.0 (2.0)	11.3 (3.8)	55.2 (-96.3, 206.6)	2012	-19.4 (-38.3, 5.2)	15.3 (3.0, 29.1)	1.2 (-8.4, 11.9)
100% — 199%	Zero services	6.4 (2.2)	7.9 (2.6)	2.7 (1.5)	3.5 (1.5)	6.3 (2.3)	3.3 (1.3)	3.1 (1.2)	2.3 (0.9)	1.8 (0.8)	11.7 (3.1)	17.3 (3.7)	5.6 (3.1)	10.6 (3.4)	-13.0 (-122.9, 96.9)		3.3 (-9.4, 17.8)		3.3 (-9.4, 17.8)
< 100%	Zero services	6.1 (2.2)	7.3 (2.4)	6.0 (1.9)	3.3 (1.2)	8.8 (2.1)	4.7 (1.9)	5.5 (2.0)	3.1 (1.2)	4.6 (2.1)	9.3 (2.3)	9.1 (3.2)	13.3 (3.7)	13.6 (5.8)	116.8 (-76.2, 309.8)		4.4 (-3.6, 13.1)		4.4 (-3.6, 13.1)
> 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)	33.9 (-52.7, 120.5)		2.1 (-0.4, 4.7)		2.1 (-0.4, 4.7)
200% — 399%	All services	5.4 (2.1)	5.9 (1.3)	4.1 (0.8)	6.2 (1.2)	8.8 (2.0)	4.0 (0.8)	5.3 (1.2)	5.4 (1.1)	4.6 (0.9)	5.8 (1.4)	5.6 (1.2)	12.8 (3.2)	7.5 (1.9)	137.9 (-80.7, 356.5)		3.1 (-2.8, 9.4)		3.1 (-2.8, 9.4)
100% — 199%	All services	4.0 (1.5)	7.1 (3.4)	7.3 (3.0)	5.1 (2.4)	3.9 (1.1)	4.4 (1.2)	5.1 (1.6)	3.7 (1.2)	3.6 (1.6)	3.6 (1.1)	3.8 (0.9)	4.6 (1.2)	2.4 (0.6)	14.1 (-87.9, 116.1)		-3.7 (-7.5, 0.3)		-3.7 (-7.5, 0.3)
< 100%	All services	2.8 (1.1)	2.7 (1.1)	4.3 (1.3)	2.1 (0.6)	1.9 (0.8)	4.9 (1.8)	4.2 (1.8)	1.4 (0.4)	1.9 (0.7)	1.2 (0.4)	3.9 (0.9)	2.3 (0.7)	4.9 (3.1)	-16.2 (-96.3, 64.0)		-3.1 (-11.1, 5.7)		-3.1 (-11.1, 5.7)

Num ber of servic es	20 08 (SE)	200 9 (SE)	20 10 (SE)	20 11 (SE)	20 12 (SE)	20 13 (SE)	20 14 (SE)	20 15 (SE)	20 16 (SE)	20 17 (SE)	201 8 (SE)	20 19 (SE)	20 20 (SE)	Perc ent Chan ge (95% CI) ^{*,†}	Joinpo int Year [‡]	APC Peri od 1 (95% CI) ^{*,§}	APC Peri od 2 (95% CI) ^{*,§}	AA PC (95% CI) ^{*,}
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*Values in these columns were estimated excluding data from 2020.

†Percent change: the percent change in the proportion from 2008 to 2019.

‡Years identified as Joinpoint years.

§Annual percent change: the slope of the line in each period demarcated by a Joinpoint year. If two Joinpoint years are identified, there will be three different annual percent changes. Joinpoint years are identified by permutation test, whereas the test of significance for APC is an asymptotic t-test. Due to the omnibus nature of the permutation test and the use of all the data in identifying the Joinpoints, the permutation tests are more powerful. In some cases, Joinpoint years are identified but the corresponding intervals for the APC will overlap zero due to this power difference.

||Average annual percent change: the slope of the line over the entire study period.