

Supplemental Table 1. Selected characteristics of U.S. adults aged ≥ 25 years with **NO diagnosed diabetes** for three time period cohorts (1997-2001, 2002-2006, and 2007-2011) - National Health Interview Survey, 1997-2015

	1997-2001			2002-2006			2007-2011		
	n	% (95% CI)	N in pop (in millions)	n	% (95% CI)	N in pop (in millions)	n	% (95% CI)	N in pop (in millions)
Gender									
Men	54481	47.7 (47.4, 48.1)	70.9	47468	47.7 (47.3, 48.1)	73.2	42662	48.0 (47.6, 48.4)	79.0
Women	71728	52.3 (51.9, 52.6)	77.6	61502	52.3 (51.9, 52.7)	80.2	54610	52.0 (51.6, 52.4)	85.7
Age groups (years)									
25-49	73992	60.6 (60.1, 61.0)	89.9	61141	57.9 (57.4, 58.3)	88.8	51760	55.1 (54.6, 55.7)	90.9
50-64	26797	21.9 (21.6, 22.2)	32.6	26310	25.0 (24.6, 25.3)	38.3	25607	27.5 (27.1, 27.9)	45.3
65-79	18830	13.3 (13.1, 13.6)	19.8	15125	12.5 (12.2, 12.7)	19.1	13989	12.6 (12.3, 12.9)	20.7
≥ 80	6590	4.2 (4.0, 4.3)	6.2	6394	4.7 (4.5, 4.9)	7.2	5916	4.8 (4.6, 5.1)	7.9
Age (years): mean (se)		47.8 (0.1)			48.4 (0.1)			48.9 (0.1)	
Race/ethnicity									
Non-Hispanic white	89725	79.6 (79.0, 80.2)	118.2	75248	77.2 (76.6, 77.7)	118.4	63878	74.7 (74.0, 75.4)	123.0
Non-Hispanic black	17017	10.7 (10.3, 11.2)	15.9	15182	10.9 (10.5, 11.4)	16.7	15534	11.6 (11.1, 12.1)	19.1
Hispanic	19467	9.7 (9.2, 10.1)	14.4	18540	11.9 (11.5, 12.3)	18.3	17860	13.7 (13.3, 14.2)	22.6
Education									
<High School	26247	17.4 (17.0, 17.8)	25.8	20723	16.2 (15.8, 16.6)	24.8	16468	14.3 (13.9, 14.8)	23.6
High School Grad	36985	30.4 (29.9, 30.8)	45.1	31238	29.4 (29.0, 29.8)	45.1	26207	27.3 (26.9, 27.8)	45.0
>High School	62977	52.3 (51.6, 52.9)	77.6	57009	54.4 (53.9, 55.0)	83.5	54597	58.3 (57.7, 59.0)	96.1
Income to Poverty Ratio									
Poor (<100%)	16869	9.5 (9.2, 9.8)	14.1	14560	9.9 (9.6, 10.1)	15.1	13904	10.4 (10.1, 10.7)	17.1
Near poor (100-199%)	24407	16.7 (16.4, 17.1)	24.9	21414	17.2 (16.8, 17.5)	26.3	19213	17.4 (17.0, 17.8)	28.6
Middle income (200-399%)	40410	32.8 (32.4, 33.2)	48.7	34022	31.5 (31.1, 31.9)	48.3	29551	30.8 (30.3, 31.2)	50.8
High income ($\geq 400\%$)	44523	41.0 (40.3, 41.6)	60.8	38974	41.5 (40.9, 42.1)	63.7	34604	41.4 (40.7, 42.2)	68.3

Five data files with imputed income data were provided by the Centers for Disease Control and Prevention's National Center for Health Statistics. Multiple imputation methodology was used to calculate all estimates related to income-to-poverty ratio threshold; N's are based on imputed income data file number 5.

Supplemental Table 2. Age adjusted all-cause mortality rate (deaths/1000 person-years) of U.S. adults aged ≥ 25 years with **NO** DIAGNOSED DIABETES by race/ethnicity - National Health Interview Survey, 1997-2015

	Mortality at Each Time Period with 5 Years Follow-up Through 2015					
	1997-2001	2002-2006	2007-2011	Change 1997-2001 to 2002-2006	Change 2002-2006 to 2007-2011	Change 1997-2001 to 2007-2011
All	12.2 (11.9, 12.6)	11.3 (11.0, 11.7)	10.8 (10.4, 11.2)	-0.9 (-1.4, -0.4)	-0.5 (-1.0, 0.02)	-1.4 (-1.9, -0.9)
Non-Hispanic white	13.0 (12.5, 13.4)	12.0 (11.5, 12.4)	11.5 (11.1, 12.0)	-1.0 (-1.6, -0.4)	-0.4 (-1.0, 0.2)	-1.4 (-2.0, -0.8)
Non-Hispanic black	13.1 (12.2, 14.0)	11.5 (10.4, 12.5)	10.0 (9.1, 11.0)	-1.6 (-3.1, -0.2)	-1.5 (-2.8, -0.1)	-3.1 (-4.4, -1.8)
Hispanic	7.5 (6.7, 8.3)	7.4 (6.7, 8.2)	6.9 (6.2, 7.7)	-0.1 (-1.2, 1.0)	-0.5 (-1.5, 0.5)	-0.6 (-1.7, 0.5)

Supplemental Table 3. Age adjusted all-cause mortality rate (deaths/1000 person-years) of U.S. adults aged ≥ 25 years with **NO DIAGNOSED DIABETES** and slope index of inequality (SII) and relative index of inequality (RII) for different education attainment and by gender and race/ethnicity - National Health Interview Survey, 1997-2015

	Mortality at Each Time Period with 5 Years Follow-up Through 2015					
	1997-2001	2002-2006	2007-2011	Change 1997-2001 to 2002-2006	Change 2002-2006 to 2007-2011	Change 1997-2001 to 2007-2011
All						
<High School	16.3 (15.5, 17.0)	15.8 (15.0, 16.6)	15.5 (14.6, 16.5)	-0.5 (-1.6, 0.6)	-0.3 (-1.5, 1.0)	-0.7 (-1.9, 0.4)
High School Grad	11.6 (11.1, 12.2)	11.3 (10.7, 12.0)	11.2 (10.6, 11.9)	-0.3 (-1.2, 0.5)	-0.1 (-1.0, 0.8)	-0.4 (-1.2, 0.5)
>High School	9.7 (9.2, 10.2)	8.9 (8.4, 9.4)	8.7 (8.2, 9.2)	-0.8 (-1.5, -0.2)	-0.2 (-0.9, 0.5)	-1.0 (-1.7, -0.4)
SII (95% CI)	9.3 (8.0, 10.6)	9.7 (8.4, 11.0)	9.4 (7.9, 10.8)	0.4 (-1.4, 2.1)	-0.3 (-2.3, 1.7)	0.1 (-1.9, 2.0)
RII (95% CI)	76.5 (65.9, 87.1)	84.4 (73.2, 95.6)	84.6 (71.8, 97.3)	7.9 (-6.8, 22.6)	0.2 (-16.7, 17.1)	8.1 (-8.2, 24.4)
Non-Hispanic white						
<High School	17.2 (16.3, 18.1)	16.7 (15.6, 17.7)	17.4 (16.1, 18.8)	-0.5 (-1.9, 0.9)	0.8 (-1.0, 2.5)	0.2 (-1.3, 1.8)
High School Grad	12.4 (11.8, 13.0)	12.3 (11.5, 13.0)	11.8 (11.0, 12.6)	-0.1 (-1.1, 0.9)	-0.5 (-1.5, 0.6)	-0.6 (-1.5, 0.4)
>High School	10.6 (10.0, 11.2)	9.6 (9.0, 10.1)	9.5 (8.9, 10.1)	-1.1 (-1.8, -0.3)	-0.1 (-0.9, 0.7)	-1.2 (-2.0, -0.4)
SII (95% CI)	8.7 (7.3, 10.2)	9.4 (7.9, 11.0)	9.5 (7.7, 11.2)	0.7 (-1.4, 2.8)	0.02 (-2.3, 2.4)	0.7 (-1.5, 3.0)
RII (95% CI)	67.6 (56.0, 79.3)	78.2 (65.5, 90.8)	80.4 (65.8, 95.0)	10.5 (-5.8, 26.9)	2.2 (-16.7, 21.2)	12.8 (-5.4, 30.9)
Non-Hispanic black						
<High School	16.1 (14.5, 17.8)	14.7 (12.8, 16.7)	12.9 (11.2, 14.7)	-1.4 (-3.9, 1.1)	-1.8 (-4.3, 0.8)	-3.2 (-5.6, -0.9)
High School Grad	11.9 (10.2, 13.7)	9.8 (8.3, 11.3)	11.1 (9.2, 13.0)	-2.1 (-4.7, 0.5)	1.3 (-1.1, 3.7)	-0.8 (-3.4, 1.8)
>High School	9.8 (8.4, 11.1)	9.4 (8.0, 10.8)	7.2 (6.0, 8.4)	-0.4 (-2.3, 1.5)	-2.2 (-4.0, -0.4)	-2.6 (-4.4, -0.7)
SII (95% CI)	10.2 (6.4, 13.9)	7.8 (4.2, 11.5)	9.4 (6.0, 12.7)	-2.3 (-7.6, 3.0)	1.5 (-3.3, 6.3)	-0.8 (-5.8, 4.2)
RII (95% CI)	77.8 (50.3, 105.4)	68.0 (37.6, 98.5)	91.0 (58.5, 123.5)	-9.8 (-50.8, 31.2)	23.0 (-19.9, 65.8)	13.2 (-29.3, 55.7)
Hispanic						
<High School	8.7 (7.6, 9.8)	9.3 (8.1, 10.5)	7.8 (6.7, 8.9)	0.6 (-1.1, 2.4)	-1.5 (-3.1, 0.01)	-0.9 (-2.4, 0.6)
High School Grad	7.7 (6.1, 9.3)	6.2 (4.8, 7.5)	7.1 (5.5, 8.7)	-1.5 (-3.7, 0.6)	0.9 (-1.2, 3.0)	-0.6 (-2.8, 1.7)
\geq High School	5.1 (3.9, 6.2)	5.0 (3.9, 6.1)	5.6 (4.4, 6.8)	-0.1 (-1.6, 1.5)	0.6 (-1.1, 2.3)	0.5 (-1.2, 2.2)
SII (95% CI)	5.9 (3.0, 8.8)	7.8 (4.6, 11.0)	3.6 (0.8, 6.3)	1.9 (-2.6, 6.5)	-4.3 (-8.4, -0.1)	-2.3 (-6.3, 1.7)
RII (95% CI)	78.2 (39.8, 116.7)	104.2 (63.9, 144.6)	51.0 (11.2, 90.8)	26.0 (-31.7, 83.8)	-53.3 (-108.5, 2.0)	-27.2 (-82.1, 27.6)

Supplemental Table 4. Age adjusted all-cause mortality rate (deaths/1000 person-years) of U.S. adults aged ≥ 25 years with **NO DIAGNOSED DIABETES** and slope index of inequality (SII) and relative index of inequality (RII) for different income to poverty ratio and by gender and race/ethnicity - National Health Interview Survey, 1997-2015

	Mortality at Each Time Period with 5 Years Follow-up Through 2015					
	1997-2001	2002-2006	2007-2011	Change 1997-2001 to 2002-2006	Change 2002-2006 to 2007-2011	Change 1997-2001 to 2007-2011
Income to Poverty Ratio						
All						
Poor (<100%)	18.6 (17.3, 20.0)	17.0 (15.6, 18.4)	17.8 (16.1, 19.5)	-1.7 (-3.7, 0.34)	0.8 (-1.3, 3.0)	-0.8 (-3.1, 1.4)
Near poor (100-199%)	14.9 (14.2, 15.7)	13.9 (13.0, 14.8)	14.0 (13.0, 15.1)	-1.1 (-2.3, 0.16)	0.2 (-1.2, 1.5)	-0.9 (-2.2, 0.4)
Middle income (200-399%)	11.9 (11.2, 12.5)	11.3 (10.5, 12.0)	10.7 (9.9, 11.4)	-0.6 (-1.6, 0.43)	-0.6 (-1.7, 0.4)	-1.2 (-2.1, -0.3)
High income ($\geq 400\%$)	8.3 (7.6, 8.9)	7.7 (7.0, 8.4)	7.3 (6.7, 7.8)	-0.6 (-1.6, 0.40)	-0.4 (-1.3, 0.5)	-1.0 (-1.8, -0.2)
SII (95% CI)	12.5 (10.9, 14.1)	11.6 (9.9, 13.3)	13.0 (11.3, 14.7)	-0.9 (-3.3, 1.45)	1.4 (-0.9, 3.8)	0.5 (-1.9, 2.9)
RII (95% CI)	102.8 (-4.3, 209.9)	101.6 (-12.0, 215.1)	115.9 (-6.8, 238.5)	-1.2 (-21.6, 19.2)	14.3 (-6.1, 34.7)	13.0 (-6.9, 33.0)
Non-Hispanic white						
Poor (<100%)	20.1 (18.2, 21.9)	18.2 (16.4, 20.0)	19.4 (16.9, 22.0)	-1.8 (-4.5, 0.8)	1.2 (-1.9, 4.3)	-0.6 (-4.0, 2.7)
Near poor (100-199%)	15.7 (14.8, 16.6)	14.1 (13.1, 15.1)	15.2 (14.0, 16.5)	-1.6 (-2.9, -0.3)	1.2 (-0.4, 2.7)	-0.4 (-2.0, 1.1)
Middle income (200-399%)	12.7 (11.9, 13.4)	12.2 (11.3, 13.1)	11.5 (10.7, 12.4)	-0.5 (-1.6, 0.7)	-0.7 (-1.9, 0.5)	-1.1 (-2.3, -0.03)
High income ($\geq 400\%$)	9.3 (8.5, 10.1)	8.6 (7.8, 9.5)	8.1 (7.4, 8.7)	-0.7 (-1.8, 0.5)	-0.6 (-1.6, 0.5)	-1.2 (-2.2, -0.3)
SII (95% CI)	11.9 (9.9, 13.8)	10.6 (8.5, 12.7)	13.1 (11.1, 15.2)	-1.3 (-4.1, 1.6)	2.5 (-0.2, 5.2)	1.3 (-1.6, 4.1)
RII (95% CI)	92.1 (-4.1, 188.4)	88.5 (-11.9, 188.9)	110.0 (-6.9, 227.0)	-3.6 (-26.8, 19.7)	21.5 (-7.9, 43.8)	17.9 (-4.3, 40.2)
Non-Hispanic black						
Poor (<100%)	16.8 (14.3, 19.2)	15.7 (12.8, 18.7)	15.7 (13.5, 17.9)	-1.0 (-4.67, 2.60)	-0.1 (-3.7, 3.6)	-1.1 (-4.4, 2.21)
Near poor (100-199%)	14.1 (12.0, 16.1)	14.0 (11.3, 16.7)	11.8 (9.7, 13.8)	-0.03 (-3.65, 3.59)	-2.3 (-5.6, 1.0)	-2.3 (-5.1, 0.53)
Middle income (200-399%)	12.5 (10.3, 14.6)	9.4 (7.5, 11.2)	8.7 (6.6, 10.7)	-3.1 (-6.17, -0.01)	-0.7 (-3.5, 2.1)	-3.8 (-6.7, -0.89)
High income ($\geq 400\%$)	7.8 (5.7, 9.9)	6.6 (4.6, 8.7)	5.0 (3.5, 6.6)	-1.2 (-4.13, 1.73)	-1.6 (-4.3, 1.1)	-2.8 (-5.4, -0.16)
SII (95% CI)	11.2 (7.0, 15.4)	13.3 (9.0, 17.6)	14.5 (10.8, 18.3)	2.1 (-4.06, 8.22)	1.3 (-4.6, 7.1)	3.3 (-2.4, 9.08)
RII (95% CI)	86.1 (-12.6, 184.7)	114.7 (-20.2, 249.7)	139.7 (-6.9, 286.4)	28.7 (-20.9, 78.2)	25.0 (-27.0, 77.0)	53.7 (4.2, 103.2)
Hispanic						
Poor (<100%)	9.6 (7.8, 11.5)	8.5 (6.6, 10.4)	9.1 (6.9, 11.4)	-1.2 (-4.0, 1.7)	0.6 (-2.2, 3.4)	-0.5 (-3.4, 2.4)
Near poor (100-199%)	9.2 (7.3, 11.0)	9.8 (8.0, 11.7)	7.2 (5.8, 8.6)	0.7 (-1.9, 3.2)	-2.6 (-4.9, -0.4)	-2.0 (-4.3, 0.4)
Middle income (200-399%)	6.2 (4.7, 7.8)	6.3 (4.9, 7.7)	6.2 (4.7, 7.7)	0.03 (-2.2, 2.2)	-0.1 (-2.1, 1.9)	-0.1 (-2.3, 2.1)
High income ($\geq 400\%$)	4.3 (2.4, 6.2)	4.4 (2.8, 6.0)	5.5 (3.7, 7.4)	0.1 (-2.5, 2.8)	1.1 (-1.3, 3.6)	1.3 (-1.4, 4.0)
SII (95% CI)	7.5 (4.3, 10.6)	6.3 (3.1, 9.5)	4.4 (0.8, 8.0)	-1.1 (-6.2, 3.9)	-1.9 (-6.7, 2.9)	-3.1 (-7.9, 1.8)
RII (95% CI)	98.8 (-7.0, 204.7)	84.3 (-17.2, 185.9)	62.9 (-22.5, 148.3)	-14.5 (-81.6, 52.7)	-21.4 (-86.1, 43.3)	-35.9 (-101.7, 29.9)

Supplemental Table 5. Age adjusted all-cause mortality **RATE DIFFERENCE** (deaths/1000 person-years) between U.S. adults aged ≥ 25 years with and without diagnosed diabetes by race/ethnicity - National Health Interview Survey, 1997-2015

	Mortality at Each Time Period with 5 Years Follow-up Through 2015					
	1997-2001	2002-2006	2007-2011	Change 1997-2001 to 2002-2006	Change 2002-2006 to 2007-2011	Change 1997-2001 to 2007-2011
All	11.3 (9.9, 12.6)	8.9 (7.6, 10.1)	7.3 (6.2, 8.4)	-2.4 (-4.2, -0.6)	-1.6 (-3.2, -0.03)	-4.0 (-5.7, -2.3)
Non-Hispanic white	12.3 (10.6, 14.0)	10.1 (8.6, 11.6)	8.6 (7.1, 10.0)	-2.2 (-4.5, 0.02)	-1.6 (-3.6, 0.5)	-3.8 (-6.0, -1.6)
Non-Hispanic black	7.1 (4.0, 10.3)	7.1 (4.3, 9.8)	5.0 (3.0, 7.0)	-0.1 (-3.8, 3.7)	-2.1 (-5.3, 1.2)	-2.1 (-5.8, 1.6)
Hispanic	8.2 (5.2, 11.2)	3.0 (0.8, 5.1)	3.3 (1.4, 5.3)	-5.2 (-9.1, -1.4)	0.4 (-2.6, 3.3)	-4.9 (-8.4, -1.4)