

SUPPLEMENTAL MATERIAL

Table S1. Percent Person-years for each Calendar Year (2005-2011) by Diabetes Status and Population Subgroups

	Calendar Year						
	2005	2006	2007	2008	2009	2010	2011
Diabetes							
Total Population	610,672	651,285	688,205	720,784	754,753	792,159	826,392
Age Group							
20-44 years	74,759	77,962	81,410	83,995	85,457	86,508	87,776
45-64 years	294,102	315,673	336,373	352,800	367,102	380,989	392,111
≥ 65 years	241,811	257,651	270,421	283,990	302,193	324,662	346,505
Sex							
Men	318,443	338,944	357,455	374,034	391,561	410,788	427,596
Women	292,229	312,341	330,750	346,751	363,192	381,371	398,796
Race/Ethnicity							
White	287,298	304,651	320,366	334,113	349,739	366,783	379,302
Hispanic	109,816	121,029	132,119	141,451	149,649	159,109	169,192
Black	65,950	69,968	73,565	77,020	80,822	85,014	89,174
Asian	61,714	67,501	73,721	79,344	84,914	91,252	97,326
Native Hawaiian/Pacific Islander	4,933	5,451	5,933	6,311	6,707	7,242	7,830
American Indian/Alaskan Native	2,730	2,953	3,188	3,359	3,580	3,780	4,003
More than One Race	4,840	5,382	5,865	6,326	6,861	7,416	7,877
Unknown Race	73,390	74,350	73,448	72,860	72,480	71,563	71,687
Medicaid Coverage	13,910	14,789	26,193	28,127	29,813	31,920	34,879
Other Coverage	596,761	636,496	662,011	692,657	724,940	760,240	791,513
Prior CVD History	150,682	149,953	149,797	149,716	150,884	152,771	154,595
No History of CVD	459,990	501,332	538,408	571,068	603,869	639,388	671,797
No Diabetes							
Total Population	609,709	643,527	674,212	704,642	736,710	770,549	802,050
Age Group							

20-44 years	82,172	81,889	83,223	84,412	84,789	85,109	86,059
45-64 years	297,220	314,832	332,156	346,913	360,685	373,228	383,228
≥ 65 years	230,318	246,806	258,833	273,318	291,236	312,212	332,762
Sex							
Men	315,679	332,092	346,953	362,045	377,658	394,606	409,977
Women	294,030	311,435	327,258	342,597	359,052	375,944	392,073
Race/Ethnicity							
White	348,769	369,649	388,740	406,988	427,182	449,080	465,609
Hispanic	67,873	74,030	80,379	86,283	91,365	97,375	103,820
Black	43,858	46,798	49,633	52,488	55,451	58,230	60,523
Asian	46,394	50,249	54,039	57,662	61,313	65,355	69,552
Native Hawaiian/Pacific Islander	2,472	2,693	2,874	3,041	3,231	3,449	3,583
American Indian/Alaskan Native	1,828	1,930	2,060	2,186	2,328	2,471	2,606
More than One Race	2,994	3,282	3,594	3,870	4,197	4,474	4,753
Unknown Race	95,521	94,896	92,892	92,124	91,643	90,115	91,603
Medicaid Coverage	7,339	7,527	12,435	13,147	13,748	14,439	15,203
Other Coverage	602,370	636,000	661,777	691,496	722,962	756,110	786,846
Prior Cardiovascular History	84,843	85,003	85,369	86,525	88,518	91,303	93,975
No History of CVD	524,867	558,524	588,842	618,118	648,192	679,246	708,075

Table S2. Annual rates of major cardiovascular events and all-cause mortality from 2005 through 2011 for persons with and without diabetes, overall and by sex. Age- and sex-adjusted to the 2010 U.S. Census population where appropriate.

Outcome	Rates per 1,000 person*years							2005 to 2011 Events difference per 1,000 p*y	Poisson Annual Relative Rate Change (95% CI)	2005 to 2011 Relative Reduction (%)	Test for Trend (p-value)
	2005	2006	2007	2008	2009	2010	2011				
AMI/ACS											
Diabetes											
Overall	6.59	6.17	5.63	5.27	4.71	4.49	4.40	2.19	-7.0 (-8.1, -5.9)	35.5	<0.0001
Men	8.1	7.50	6.93	6.46	5.9	5.65	5.55	2.55	-6.4 (-7.4, -5.4)	33.0	<0.0001
Women	5.28	5.03	4.50	4.23	3.67	3.51	3.42	1.86	-7.6 (-9.2, -6.1)	37.9	<0.0001
No Diabetes											
Overall	2.43	2.36	2.13	2.04	1.92	1.80	1.70	0.73	-6.0 (-7.3, -4.6)	30.9	<0.0001
Men	3.43	3.34	3.01	2.97	2.66	2.63	2.45	0.98	-5.6 (-6.7, -4.5)	29.3	<0.0001
Women	1.61	1.54	1.38	1.26	1.29	1.11	1.08	0.53	-6.6 (-8.4, -4.7)	33.6	<0.0001
Stroke											
Diabetes											
Overall	4.7	4.58	4.44	4.33	4.15	3.98	3.85	0.85	-3.4 (-3.9, -2.8)	18.6	<0.0001
Men	5.2	4.81	4.85	4.64	4.42	4.12	4.17	1.03	-3.7 (-4.3, -3.2)	20.4	<0.0001
Women	4.28	4.41	4.09	4.09	3.95	3.86	3.59	0.69	-3.0 (-3.7, -2.2)	19.8	<0.0001
No Diabetes											
Overall	2.21	2	2.1	2.08	1.95	1.98	1.86	0.35	-2.2 (-3.0, -1.5)	12.7	<0.0001
Men	2.49	2.18	2.39	2.34	2.22	2.36	2.05	0.44	-1.7 (-2.8, -0.7)	10.0	0.0016
Women	1.98	1.84	1.87	1.86	1.72	1.67	1.69	0.29	-2.7 (-3.5, -1.8)	14.9	<0.0001
Heart Failure											
Diabetes											
Overall	9.11	8.62	8	7.63	7.17	6.92	6.69	2.42	-5.2 (-5.7, -4.7)	27.5	<0.0001
Men	9.77	9.48	8.57	8.1	7.85	7.5	7.38	2.39	-5.0 (-5.7, -4.2)	26.3	<0.0001
Women	8.53	7.88	7.57	7.27	6.62	6.4	6.14	2.39	-5.4 (-6.0, -4.8)	28.4	<0.0001
No Diabetes											
Overall	2.02	2	1.91	1.91	1.75	1.78	1.71	0.31	-2.8 (-4.0, -1.7)	15.9	<0.0001
Men	2.52	2.62	2.28	2.24	2.09	2.13	2.09	0.43	-3.8 (-5.5, -2.1)	20.7	<0.0001

Women	1.67	1.59	1.64	1.65	1.53	1.53	1.46	0.21	-2.1 (-2.8, -1.3)	11.7	<0.0001
All-cause Mortality											
Diabetes											
Overall	17.32	16.3	15.64	15.42	14.59	13.88	---	3.44	-4.1 (-4.6, -3.6)	20.4	<0.0001
Men	19.37	18.5	17.54	17.59	16.36	15.55	---	3.82	-4.1 (-4.4, -3.8)	18.9	<0.0001
Women	15.78	14.66	14.22	13.72	13.27	12.73	---	3.05	-3.9 (-5.0, -2.9)	18.2	<0.0001
No Diabetes											
Overall	9.3	8.98	8.65	8.32	7.9	7.79	---	1.51	-3.7 (-4.8, -2.5)	17.0	<0.0001
Men	11.13	10.52	10.12	9.84	9.12	9.42	---	1.71	-3.6 (-5.2, -2.0)	16.8	<0.0001
Women	7.97	7.89	7.56	7.17	7.05	6.59	---	1.38	-3.8 (-4.5, -3.0)	17.4	<0.0001

Table S3. Annual rates of major cardiovascular events and all-cause mortality from 2005 through 2011 for persons with and without diabetes by history of a prior cardiovascular disease (CVD). Age- and sex-adjusted to the 2010 U.S. Census population.

Outcome	Rates per 1,000 person*years							2005 to 2011 Events difference per 1,000 p*y	Poisson Annual Relative Rate Change (95% CI)	2005 to 2011 Relative Reduction (%)	Test for Trend (p-value)
	2005	2006	2007	2008	2009	2010	2011				
AMI/ACS											
Diabetes											
Prior CVD	15.8	15.79	12.05	12.7	10.57	8.87	8.43	7.37	-10.5 (-12.2, -8.8)	48.7	<0.0001
No CVD	4.49	4.36	4.06	3.87	3.55	3.45	3.51	0.98	-4.6 (-5.7, -3.6)	24.9	<0.0001
No Diabetes											
Prior CVD	7.78	4.47	5.37	4.29	4.64	3.69	3.56	4.22	-10.6 (-14.4, -6.6)	48.9	<0.0001
No CVD	1.86	1.94	1.73	1.72	1.61	1.51	1.43	0.43	-4.7 (-6.2, -3.2)	25.2	<0.0001
Stroke											
Diabetes											
Prior CVD	9.47	9.29	8.28	9.13	7.79	7.7	6.66	2.81	-5.0 (-6.1, -4.0)	26.7	<0.0001
No CVD	3.34	3.44	3.45	3.42	3.42	3.26	3.24	0.10	-0.8 (-1.6,-0.1)	4.9	0.0319
No Diabetes											
Prior CVD	4.31	3.91	3.66	3.58	3.76	3.87	3.29	1.02	-2.8 (-4.6, -1.1)	15.9	0.0014
No CVD	1.6	1.6	1.76	1.75	1.63	1.7	1.62	-0.02	0.1 (-0.6, 0.8)	0.6	0.7722
Heart Failure											
Diabetes											
Prior CVD	38.71	29.28	24.94	22.93	19.74	17.99	18.18	20.53	-12.3 (-16.7, -7.7)	54.5	<0.0001
No CVD	3.61	4.26	4.14	4.25	4.26	4.31	4.31	-0.70	1.8 (0.8, 2.7)	11.3	0.0002
No Diabetes											
Prior CVD	5.99	4.98	6.3	5.99	4.33	4.9	4.83	1.16	-3.7 (-5.0, -2.4)	20.2	<0.0001
No CVD	0.93	1.05	1.05	1.12	1.05	1.07	1.15	-0.22	2.4 (1.0, 3.8)	15.3	0.0005
All-cause Mortality											
Diabetes											
Prior CVD	44.71	41.08	40.6	34.06	28.35	27.14	---	17.57	-10.1 (-11.2, -9.0)	41.2	<0.0001

No CVD	11.17	11.63	11.47	11.64	11.34	10.94	---	0.23	-0.6 (-1.1, 0.0)	2.8	0.0332
No Diabetes											
Prior CVD	18.86	15.43	14.75	16.34	13.14	12.98	---	5.88	-6.3 (-8.3, -4.2)	27.7	<0.0001
No CVD	6.99	7.44	7.25	7.13	6.79	6.75	---	0.24	-1.4 (-3.0, 0.3)	6.8	0.1000

Table S4. Annual rates of major cardiovascular events and all-cause mortality from 2005 through 2011 for persons with and without diabetes by history of a prior cardiovascular disease (CVD). Age- and sex-adjusted to the 2010 U.S. Census population as appropriate.

Outcome	Rates per 1,000 person*years							2005 to 2011 Events difference per 1,000 p*y	Poisson Annual Relative Rate Change (95% CI)	2005 to 2011 Relative Reduction (%)	Test for Trend (p-value)
	2005	2006	2007	2008	2009	2010	2011				
AMI/ACS											
20-44 years											
Diabetes											
Prior CVD	7.9	10.3	3.7	6.7	4.2	2.3	2.0	5.9	-21.0 (-24.1, -17.8)	-105.0	<0.0001
No CVD	1.2	1.2	1.1	1.1	1.1	1.0	1.1	0.1	-1.6 (-5.1, 2.1)	-7.9	0.3885
No Diabetes											
Prior CVD	5.7	0.0	2.2	0.9	1.7	0.0	0.5	4.2	-33.7 (-58.5, 5.8)	-168.6	0.0849
No CVD	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.0	2.4 (-4.5, 9.9)	12.1	0.5064
45-64 years											
Diabetes											
Prior CVD	19.5	17.4	15.9	15.4	13.9	11.8	11.2	8.3	-8.5 (-10.7, -6.2)	-42.4	<0.0001
No CVD	5.0	5.0	4.6	4.4	4.1	4.1	3.8	1.2	-4.7 (-6.3, -3.0)	-23.3	<0.0001
No Diabetes											
Prior CVD	7.0	6.2	6.1	5.8	5.6	5.1	4.5	2.5	-6.1 (-9.6, -2.5)	-30.6	<0.0001
No CVD	1.9	2.1	1.8	1.9	1.6	1.6	1.5	0.4	-4.5 (-5.7, -3.3)	-22.7	<0.0001
65+ years											
Diabetes											
Prior CVD	26.3	24.1	23.8	21.8	19.1	19.3	17.9	8.4	-6.2 (-7.5, -4.9)	-30.9	<0.0001
No CVD	11.0	10.2	9.7	9.1	8.2	8.0	8.3	2.7	-5.2 (-6.4, -3.9)	-25.9	<0.0001
No Diabetes											
Prior CVD	12.4	11.7	11.0	9.7	9.4	9.3	8.8	3.6	-5.7 (-7.2, -4.1)	-28.5	<0.0001
No CVD	5.5	5.7	5.3	5.0	4.8	4.3	4.1	1.4	-5.4 (-6.9, -4.0)	-27.2	<0.0001
Stroke											
20-44 years											
Diabetes											
Prior CVD	3.1	3.5	2.4	5.4	3.6	3.3	1.4	1.7	-4.8 (-10.3, 1.0)	-24.1	0.1049
No CVD	1.0	0.8	0.7	0.7	0.9	0.8	0.7	0.3	-3.1 (-10.2, 4.5)	-15.5	0.4153

No Diabetes											
Prior CVD	0.2	0.6	0.5	0.3	0.8	1.1	0.1	0.1	7.2 (-8.4, 25.5)	36.1	0.3853
No CVD	0.2	0.1	0.1	0.2	0.1	0.1	0.1	0.1	-3.0 (-8.3, 2.6)	-14.9	0.2890
45-64 years											
Diabetes											
Prior CVD	11.4	10.6	9.5	8.5	8.1	7.9	7.9	3.5	-6.5 (-9.2, -3.8)	-32.7	<0.0001
No CVD	2.7	3.2	3.3	3.2	3.1	2.9	3.0	-0.3	-0.4 (-1.4, 0.6)	-2.0	0.4466
No Diabetes											
Prior CVD	3.9	3.3	3.1	2.9	3.1	2.9	3.1	0.8	-3.6 (-6.7, -0.4)	-18.1	0.0282
No CVD	1.1	1.1	1.2	1.1	1.0	1.0	1.0	0.1	-1.6 (-3.0, -0.1)	-7.9	0.0307
65+ years											
Diabetes											
Prior CVD	20.5	20.0	19.7	18.5	17.0	17.4	16.3	4.2	-3.8 (-5.2, -2.4)	-19.2	<0.0001
No CVD	9.6	9.9	9.9	9.8	9.7	9.4	9.5	0.1	-0.8 (-1.9, 0.4)	-3.8	0.2059
No Diabetes											
Prior CVD	14.5	12.3	12.2	12.2	11.7	11.5	10.9	3.6	-3.7 (-6.0, -1.2)	-18.3	0.0032
No CVD	5.7	5.8	6.3	6.2	6.1	6.3	6.0	-0.3	0.8 (0.0, 1.6)	3.9	0.0638
Heart Failure											
20-44 years											
Diabetes											
Prior CVD	38.4	20.9	13.6	13.8	9.1	7.9	8.6	29.8	-25.3 (-35.4, -13.6)	-126.4	<0.0001
No CVD	0.9	1.3	0.8	1.0	0.9	0.9	1.0	-0.1	-1.0 (-6.2, 4.6)	-4.9	0.7263
No Diabetes											
Prior CVD	1.0	0.2	2.6	2.8	0.2	0.3	1.2	-0.2	-5.5 (-15.4, 5.5)	-27.7	0.3135
No CVD	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.0	-8.0 (-18.0, 3.2)	-40.0	0.1541
45-64 years											
Diabetes											
Prior CVD	27.9	27.6	26.3	21.1	20.3	18.4	17.8	10.1	-8.1 (-9.7, -6.5)	-40.6	<0.0001
No CVD	3.1	3.5	3.4	3.5	3.7	3.6	3.4	-0.3	1.3 (-0.7, 3.3)	6.4	0.2037
No Diabetes											
Prior CVD	5.2	3.5	5.1	4.0	3.1	4.1	4.2	1.0	-3.1 (-6.0, -0.1)	-15.6	0.0401
No CVD	0.5	0.5	0.5	0.4	0.5	0.5	0.5	0.0	-0.4 (-1.9, 1.1)	-2.2	0.5771

65+ years												
Diabetes												
Prior CVD	53.1	49.0	47.3	46.9	42.9	43.0	40.7	12.4	-4.0 (-5.5, -2.6)	-20.2	<0.0001	
No CVD	10.2	11.9	12.6	12.7	12.7	13.0	13.3	-3.1	2.6 (1.6, 3.5)	12.8	<0.0001	
No Diabetes												
Prior CVD	18.1	17.5	16.3	15.8	15.4	16.3	14.0	4.1	-3.4 (-4.9, -1.9)	-17.2	<0.0001	
No CVD	3.4	3.9	3.9	4.2	4.2	4.2	4.5	-1.1	3.4 (2.0, 4.8)	16.9	<0.0001	
All-cause Mortality												
20-44 years												
Diabetes												
Prior CVD	34.2	34.8	33.4	21.2	14.4	13.6	-	20.6	-18.5 (-23.1, -13.6)	-74.0	<0.0001	
No CVD	2.3	2.3	2.3	2.6	3.2	2.3	-	0.0	3.8 (1.8, 5.8)	15.2	<0.0001	
No Diabetes												
Prior CVD	3.7	3.0	3.1	7.9	1.6	3.4	-	0.3	-1.2 (-16.5, -16.8)	-4.9	0.8857	
No CVD	0.8	1.0	1.1	0.8	0.6	0.8	-	0.0	-4.6 (-8.3, -0.7)	-18.4	0.0199	
45-64 years												
Diabetes												
Prior CVD	31.0	27.4	27.0	24.7	21.1	19.8	-	11.2	-8.4 (-9.7, -7.1)	-33.6	<0.0001	
No CVD	6.7	7.2	7.4	7.2	7.1	7.0	-	-0.3	0.2 (-0.3, 0.7)	0.7	0.4839	
No Diabetes												
Prior CVD	15.0	10.1	9.4	8.6	9.2	7.9	-	7.1	-10.6 (-12.9, -8.1)	-42.2	<0.0001	
No CVD	3.4	3.4	3.4	3.3	3.2	3.1	-	0.3	-1.9 (-5.0, 1.2)	-7.8	0.2228	
65+ years												
Diabetes												
Prior CVD	87.0	78.8	76.2	74.7	69.8	67.6	-	19.4	-4.6 (-5.3, -3.9)	-18.5	<0.0001	
No CVD	37.0	38.4	37.5	38.0	35.4	35.5	-	1.5	-1.3 (-2.0, -0.7)	-5.4	<0.0001	
No Diabetes												
Prior CVD	57.0	50.2	48.4	45.5	43.7	42.5	-	14.5	-5.5 (-6.2, -4.8)	-21.9	<0.0001	
No CVD	25.7	27.3	26.4	26.2	25.3	25.1	-	0.6	-1.1 (-2.4, 0.1)	-4.6	0.0693	

Mortality											
Diabetes											
20-44 yrs	3.84	3.31	3.5	3.45	3.61	3.22	---	0.62	-1.8 (-2.9, -0.6)	8.5	0.0021
45-64 yrs	11.44	11.24	10.92	10.22	9.76	9.67	---	1.77	-3.7 (-4.5, -3.0)	17.3	<0.0001
≥ 65 yr	58.7	56.12	55.02	54.73	51.07	50	---	8.7	-3.1 (-4.1, -2.1)	14.4	<0.0001
No Diabetes											
20-44 yrs	1.19	1.1	1.21	1.13	0.94	0.92	---	0.27	-5.0 (-6.8, -3.1)	22.5	<0.0001
45-64 yrs	4.6	4.29	4.18	4.18	4.09	3.86	---	0.74	-2.9 (-5.2, -0.5)	13.6	0.0180
≥ 65 yr	35.71	35.2	35.03	34.6	33.53	33.44	---	2.27	-1.4 (-2.0, -0.8)	6.7	<0.0001

Table S6. Annual rates of major cardiovascular events and all-cause mortality from 2005 through 2011 for persons with and without diabetes by race/ethnicity. Age- and sex-adjusted to the 2010 U.S. Census population.

Outcome	Rates per 1,000 person*years							2005 to 2011 Events difference per 1,000 p*y	Poisson Annual Relative Rate Change (95% CI)	2005 to 2011 Relative Reduction (%)	Test for Trend (p-value)
	2005	2006	2007	2008	2009	2010	2011				
AMI/ACS											
Diabetes											
White	7.13	6.63	6.2	5.77	5.25	4.91	4.66	2.47	-7.0 (-8.9, -5.0)	35.1	<0.0001
Hispanic	6.97	6.56	5.61	5.28	4.53	4.48	4.71	2.26	-7.3 (-10.0, -4.6)	36.7	<0.0001
Black	6.61	6.3	6.15	5.51	4.78	4.73	4.8	1.81	-6.0 (-7.9, -4.1)	31.0	<0.0001
Asian	5.89	5.26	4.83	5.38	4.16	4.11	3.79	2.10	-6.7 (-9.5, -3.9)	34.1	<0.0001
No Diabetes											
White	2.58	2.57	2.23	2.23	2.06	2	1.81	0.77	-5.7 (-7.0, -4.3)	29.5	<0.0001
Hispanic	2.32	2.37	2.2	1.95	1.97	1.62	1.73	0.59	-5.8 (-9.1, -2.5)	30.3	0.0007
Black	3.05	2.3	2.47	1.99	2.07	1.96	2.38	0.67	-4.1 (-6.2, -2.0)	28.7	0.0002
Asian	1.99	1.95	1.91	1.75	1.55	1.49	1.56	0.43	-4.9 (-7.7, -2.0)	25.8	0.0011
Stroke											
Diabetes											
White	4.67	4.47	4.22	4.13	4.32	4.01	3.73	0.94	-3.0 (-4.7, -1.2)	16.5	0.0014
Hispanic	5.23	4.77	4.97	4.47	4.31	4.01	3.88	1.35	-4.8 (-5.5, -4.2)	25.8	<0.0001
Black	5.67	6.01	5.66	5.94	5.46	6.05	5.45	0.22	-0.3 (-2.0, 1.4)	1.8	0.7227
Asian	3.72	3.72	3.65	4.08	3.3	3.32	3.43	0.29	-2.0 (-6.4, 2.6)	11.3	0.3922
No Diabetes											
White	2.15	2.02	2.05	2.09	1.85	1.94	1.68	0.47	-2.5 (-3.6, -1.4)	14.3	<0.0001
Hispanic	2.53	1.96	2.25	2.35	2.02	2.05	1.74	0.79	-1.8 (-3.1, -0.5)	10.5	0.0069
Black	3.04	2.72	2.76	2.83	2.81	2.75	3.44	-0.40	-1.5 (-2.3, -0.7)	8.7	0.0004
Asian	2.09	1.59	1.77	2	1.86	1.91	1.02	1.07	1.4 (-4.2, 7.4)	9.0	0.6200
Heart Failure											
Diabetes											
White	8.75	8.27	7.79	7.27	6.93	6.67	6.24	2.51	-5.1 (-6.1, -4.1)	27.0	0.0002
Hispanic	8.76	8.88	8.3	8.15	7.64	6.84	6.65	2.11	-5.1 (-6.8, -3.4)	27.0	<0.0001
Black	17.55	15.08	13.42	13.59	12.13	12.36	12.16	5.39	-5.5 (-8.7, -2.2)	28.6	0.0014
Asian	4.73	4.44	4.66	4.19	3.98	4.59	4.44	0.29	-0.9 (-1.5, 0.3)	5.1	0.0053
No Diabetes											
White	1.92	1.94	1.85	1.78	1.73	1.69	1.68	0.24	-2.6 (-4.3, -0.9)	14.7	0.0807
Hispanic	2.14	1.96	1.68	1.93	1.62	2.13	1.74	0.40	-1.6 (-2.9, -0.1)	9.0	0.0027
Black	3.08	2.87	3.72	3.21	2.7	3.6	3.44	-0.36	1.8 (-2.0, 5.7)	11.4	0.0970

Asian	1.29	1.19	1.16	1.2	1.49	1.28	1.02	0.27	-1.1 (-2.1, -0.1)	6.5	
All-cause Mortality											
Diabetes											
White	18.6	16.73	16.73	16.53	15.85	15.65	---	2.95	-2.8 (-5.4, -0.1)	13.2	0.0419
Hispanic	14.85	14.72	13.63	12.92	12.33	12.06	---	2.79	-4.5 (-7.2, -1.8)	20.6	0.0014
Black	18.08	18.49	17.18	18.22	16.93	15.81	---	2.27	-2.5 (-3.3, -1.7)	11.9	<0.0001
Asian	11.34	10.66	10.73	9.8	9.74	9.46	---	1.88	-3.6 (-6.9, -0.1)	16.6	0.0461
No Diabetes											
White	9.05	8.96	8.43	8.36	8.12	8.12	---	0.93	-2.3 (-5.5, 1.0)	11.0	0.1677
Hispanic	7.98	7.94	8.12	6.76	6.71	6.71	---	1.27	-4.3 (-8.4, -0.0)	19.9	0.0483
Black	10.59	9.17	9.25	9.11	9.15	10.27	---	0.32	-0.2 (-1.8, 1.4)	1.1	0.7830
Asian	6.12	6.15	5.71	5.93	5.22	5.17	---	0.95	-3.6 (-7.8, 0.7)	17.0	0.1021

Study Group List for use in Published Papers

Key:

PI: Principal Investigator

Co-I: Co-Investigator

PM: Project Manager

B: Biostatistician

PC: Project Coordinator

P: Programmer

DA: Data Analyst

This statement must be used in all publications and presentations: "This project was supported by grant number R01HS019859 from the Agency for Healthcare Research and Quality. The content is solely the responsibility of the authors and does not necessarily represent the official views of the Agency for Healthcare Research and Quality."

Kaiser Permanente Colorado Institute for Health Research: **John F. Steiner, MD, MPH, (Overall PI)**: Senior Director, Institute for Health Research, Kaiser Permanente Colorado, Institute for Health Research, Kaiser Permanente Colorado, PO Box 378066, Denver, CO 80237, Phone: 303-614-1374, Fax: 303-614-1295, Email: john.f.steiner@kp.org; **Andrea R. Paolino, MA, (Overall PM)**: Project Manager II, Institute for Health Research, Kaiser Permanente Colorado, Institute for Health Research, Kaiser Permanente Colorado, PO Box 378066, Denver, CO 80237, Phone: 303-614-1284, Fax: 303-614-1295, Email: andrea.paolino@kp.org; **Marsha Raebel, PharmD (PI)**: Senior Investigator, Pharmacotherapy, Institute for Health Research, Kaiser Permanente Colorado, PO Box 378066, Denver, CO 80237, Phone: (303) 614-1260, Fax: (303) 614-1265, Email: marsha.a.raebel@kp.org, Clinical Professor, University of Colorado Skaggs School of Pharmacy and Pharmaceutical Sciences, Aurora, Colorado, USA; **Stan Xu, PhD (Co-I)**: Head of Biostatistics/Investigator Institute for Health Research, Kaiser Permanente Colorado, PO Box 378066, Denver, CO 80237, Phone: (303) 614-1210, Fax: (303) 614-1305, Email: stan.xu@kp.org; **Emily Schroeder, MD, PhD (Co-I)**: Investigator, Institute for Health Research, Endocrinologist, Kaiser Permanente Colorado, PO Box 378066, Denver, CO 80237, Phone: (303) 614-1396, Fax: (303) 614-1305, Email: emily.x.schroeder@kp.org, Assistant Professor, University of Colorado School of Medicine, Aurora, Colorado, USA; **William (Troy) Donahoo, MD, FTOS**, Department of Metabolic-Surgical Weight Management, Physician Co-Lead, Specialized Nutrition Support Team, Physician Nutrition Specialist **(Co-I)**; **Michael Shainline, MS, MBA (PM)**: Project Manager, Institute for Health Research, Kaiser Permanente Colorado, Institute for Health Research, Kaiser Permanente Colorado, PO Box 378066, Denver, CO 80237, Phone: 303-614-1221, Fax: 303-614-1295, Email: michael.r.shainline@kp.org; **Christina Clarke, BS (P)**: Biostatistician, Institute for Health Research, Kaiser Permanente Colorado, Institute for Health Research, Kaiser Permanente Colorado, PO Box 378066, Denver, CO 80237, Phone: 303-614-1251, Fax: 303-614-1295, Email: christina.l.clarke@kp.org; **Glenn Goodrich, MS (P)**: Data Specialist/SAS Programmer II, Institute for Health Research, Kaiser Permanente Colorado, PO Box 378066, Denver, CO 80237, Phone: 303-614-1240, Fax: 303-614-1305, Email: glenn.k.goodrich@kp.org; **Jennifer L. Ellis, MBA, MSPH (B)**: Manager of Analytic Resources/Biostatistician, Institute for Health Research, Kaiser Permanente Colorado, PO Box 378066, Denver, CO 80237, Phone: 303-614-1258, Fax: 303-614-1305, Email: jenn.l.ellis@kp.org; **J. David Powers, MS (B)**: Biostatistician, Institute for Health Research, Kaiser Permanente Colorado, PO Box 378066, Denver, CO 80237, Phone: 303-614-1331, Fax: 303-614-1305, Email: j.david.powers@kp.org; **Chan Zeng, PhD, (B)**: Senior Biostatistician, Institute for Health Research, Kaiser Permanente Colorado, PO Box 378066, Denver, CO 80237, Phone: 303-614-1356, Fax: 303-614-1305, Email: chan.x.zeng@kp.org

Group Health Research Institute: **Katherine M. Newton, PhD (PI)**: Associate Director for Research and External Affairs, Group Health Research Institute, Metropolitan Park East, 1730 Minor Avenue, Ste. 1600 Seattle, WA 98101, Phone: 206-287-2973, Fax: 206-287-2871, E-mail: newton.k@ghc.org; **Leo S. Morales, MD, PhD, FACP (Co-I)**; **Do Peterson, MS (B)**; **Gabrielle Gundersen, BA (PM)**; **Luesa Jordan (P)**; **Bill Tolbert, MA (P)**

Geisinger Health System: **H. Lester Kirchner, PhD (PI):** Director, Biostatistics, Geisinger Health System 100 N. Academy Ave., 44-00, Danville, PA 17822, Phone: 570-214-8125, Fax: 570-314-5170, Email: hlkirchner@geisinger.edu; **Ronald Harris, MD (Co-I); Annemarie Hirsch, PhD, MPH (Co-I); Rebecca (Becky) Stametz, MPH (PM); Pinky Barua, MS, MBA, BS (DA/P); Diane Littlewood (Dir., Health Mgr); Keith Needham (GHP, DA)**

Henry Ford Health System: **Abraham Thomas, MD, MPH (PI-HFHS); Jennifer Elston Lafata, PhD (PI-VCU); Renee Atkinson, MBA (PC); Nonna Akkerman, BCS (P); Aida Li, MCS (P)**

HealthPartners HealthPartners: **Patrick O'Connor, MD, MA, MPH (PI):** Senior Clinical Investigator, HealthPartners Institute for Education and Research, 8170 33rd Ave. S., Minneapolis, MN 55425, Phone: 952-967-5034, Fax: 952-637-5022, Email: patrick.j.oconnor@healthpartners.com; **Jay Desai, PhD, MPH (Co-I); Nancy Sherwood, PhD (Co-I); Gabriela Vazquez Benitez, PhD, MSc (Co-I); Kris Ohnsorg, RN, MPH (PM); Emily D. Parker, PhD, MPH (DA); Mary Becker, BA (P); Renuka Adibhatla, MS (P); Zhiyuan Xu, BS (DA)**

Kaiser Permanente Hawaii: **Beth Waitzfelder, PhD (PI); Rebecca Williams, DrPH, MPH (PM); John Parker, BS (P)**

Kaiser Permanente Northern California: **Julie Schmittiel, PhD (PI):** Research Scientist, Director, Health Delivery Systems Center for Diabetes Translational Research (P30 DK092924), Associate Director, Kaiser Permanente Delivery Science Fellowship Program, Kaiser Permanente Northern California Division of Research, 2000 Broadway, Oakland, CA 94612, Phone: (510) 891-3872, Email: julie.a.schmittiel@kp.org; **Andrew J. Karter, PhD (Co-I); Romain Neugebauer, PhD (B); Assiamira Ferrara, MD, PhD (CoI); Deanne Wiley, BA (PM); Wendy Dyer, MS (Sr DA); Zheng Zhu (P)**

Kaiser Permanente Northwest: **Gregory A. Nichols, PhD (PI):** Senior Investigator, Kaiser Permanente Center for Health Research, 3800 N. Interstate Avenue, Portland, OR 97227-1098, Phone: 503-335-6733, Fax: 503-335-6311, E-mail: greg.nichols@kpchr.org; **Brian Hazlehurst, PhD (Co-I); Erin LeBlanc, MD, MPH (Co-I); Daniel S. Sapp (PM); Stephen Kurtz (PM); Teresa M. Kimes, MS (P); Chuhe Chen, PhD (P)**

Kaiser Permanente Southern California: **Jean M. Lawrence, ScD, MPH, MSSA (PI):** Research Scientist III / Epidemiologist, Department of Research & Evaluation, Kaiser Permanente Southern California, 100 S. Los Robles, 4th Floor, Pasadena CA 91101, Phone: 626-564-3106, Fax: 626-564-3403, E-mail: jean.m.lawrence@kp.org; **Melissa Preciado, MPH (PC); Harp Takhar, MPH (PM); Jian Zhang, MS (B); Joanie Chung, MPH (P)**

Kaiser Permanente Georgia: **Melissa Butler, PharmD, MPH, PhD, BCPS (PI):** Assistant Investigator, Center for Health Research Southeast, Kaiser Permanente Georgia, 3495 Piedmont Road, NE, Nine Piedmont Center Atlanta, GA 30305-1736, Phone: 404-364-4725, Fax: 404-364-7361, E-mail: melissa.g.butler@kp.org; **Dzifa Adjaye-Gbewonyo, MPH, CPH (PM); Anping Chang, MS, MPH (P); Junling Ren, MEd (P)**

Marshfield Clinic: **Ram D. Pathak, MD, FACP (PI); Amit Acharya, BDS, MS, PhD (Co-I); Valerie McManus, MPH (PM/P); Jay Fuehrer, BBA (P)**

Johns Hopkins University: **Jodi Segal, MD, MPH (PI):** Associate Professor of Medicine, Johns Hopkins University School of Medicine, 624 N. Broadway Room 644, Baltimore, MD 21205, Phone: 410-955-9866 Fax: 410-955-0825, Email: jsegal@jhmi.edu.

University of Michigan: **Michele Heisler, MD, MPA (PI)**