INTERPRETING TABLES S1-S7

Tables S1-S7 provide mortality rates by year, along with calculations of absolute and relative increases in mortality rates that occurred during 1999-2016. For example, the first row of Table S1 demonstrates that, in *absolute* terms, all-cause mortality rates among NH American Indians and Alaskan Natives increased by an average of 6.9 deaths per 100,000 during 1999-2016 but even more so (14.8 deaths per 100,000) in the final five years, 2012-2016. In *relative* terms, the mortality rate increased by 26.6% during 1999-2016 and 30.8% between the nadir year and 2016. The nadir, or lowest reported mortality rate, is underlined and bolded; in this example, the nadir occurred in 2000, when the all-cause mortality rate was 425.8 deaths per 100,000.

The mortality data were modeled by the Joinpoint Regression program³⁰ (see Methods). Grey cells with bolded borders denote *joinpoints* (the years when mortality trends, or slopes, changed significantly). Periods of increasing (APC \geq 0.0) and decreasing (APC \leq 0.0) mortality are depicted in red and green, respectively; periods of stable mortality (APC values that did not differ significantly from zero) have no color. In this example, all-cause mortality among NH American Indians and Alaskan Natives increased throughout 1999-2016 (green shading), but 2012 was a joinpoint, when the slope changed significantly. Although the average annual percentage increase in mortality (AAPC) was 1.5% per year for the entire period (1999-2016), the final APC (for 2012-2016) was significantly higher: 3.4% (95% CI = 1.5 to 5.4%) per year.

The next row (NH Asians and Pacific Islanders) illustrates *retrogression*: although mortality in this population decreased from 1999 to 2016 (the 2016 rate was 18.0% below that of 1999, mortality decreased by an average of 1.9 deaths per 100,000, and the AAPC was -1.3%), the progress (green shading) ended in 2009. The caret (^) in the last column indicates that the slope for the 1999-2016 interval, although not significantly positive (APC 95% CI = -0.5 to 0.8%), was nonetheless a significant change from the downward pre-2009 slope.

			TABL	E S1. M	ORTALI	TY FROM	M ALL-C	AUSES,	EXTERN	IAL CAU	SES, AN	ID ORG	AN DISE	ASE SYS	STEMS,	AGES 25	5-64 YE <i>A</i>	RS, BY	RACE-E	THNICI	TY, 1999	-2016		
																					Chan	nges in m	ortality ra	tes
Racial and ethnic groups						Age-adj	justed n	nortalit	y rates (deaths	per 100	,000), b	y year						Ave abso year-t change 100,0	olute o-year es (per		Prop	ortional (%) changes
	19																1999-	2012-	2016	2016		tted model‡		
)99	00)01)02)03)04)05	906	07	800	900)10)11)12)13)14)15)16	2016	2016	vs 1999	vs nadir	AAPC (1999- 2016)	Final APC (95% CI)
										Α	LL-CAU	SE MOR	TALITY	(A00-Y8	9)									
NH AIAN	439.8	<u>425.8</u>	444.6	453.0	474.1	458.7	477.0	464.4	462.2	471.9	477.2	479.7	482.7	492.6	502.6	526.0	548.7	556.8	6.88	14.82	26.6*	30.8*	1.5*	3.4 (1.5 to 5.4)^
NH API	177.6	174.1	173.1	164.8	160.4	153.9	155.7	152.4	146.7	144.3	142.1	141.2	142.8	143.8	143.2	139.9	<u>139.3</u>	145.6	-1.88	0.56	-18.0*	4.5*	-1.3*	0.2 (-0.5 to 0.8)^
NH blacks	656.1	646.7	636.7	629.6	623.8	598.1	593.4	577.8	558.1	535.2	523.4	503.5	496.1	491.3	492.8	<u>490.2</u>	495.9	509.8	-8.61	2.74	-22.3*	4.0*	-1.5*	2.1 (-0.6 to 4.9)
NH whites	338.9	340.6	342.4	341.5	340.6	333.9	336.3	334.5	330.9	333.0	332.2	<u>328.0</u>	332.7	332.4	335.5	341.3	347.1	356.6	1.04	4.78	5.2*	8.7*	0.2*	1.9 (1.2 to 2.6)^
Hispanics	284.3	281.7	279.5	274.6	272.8	260.5	261.2	255.2	247.6	241.0	238.0	228.9	<u>224.6</u>	226.5	226.1	225.7	226.8	234.8	-2.91	2.05	-17.4*	4.6*	-1.2*	0.6 (-0.2 to 1.3)^
		1	1		ı	1				1		NAL CAI			ı	1			P			ı		
NH AIAN	99.8	94.4	94.5	108.9	109.2	107.4	115.8	120.0	114.4	114.6	120.6	119.9	125.6	133.2	127.4	138.2	147.6	157.2	3.38	6.32	57.5*	66.5*	2.5*	2.5 (2.1 to 3.0) ^{NJP}
NH API	23.6	22.9	21.5	21.6	22.3	21.9	21.7	21.5	21.5	19.8	<u>19.4</u>	20.5	20.5	21.3	20.6	20.3	20.4	22.0	-0.09	0.30	-6.8	13.4*	-0.5	0.7 (-0.5 to 1.9)^
NH blacks	76.6	76.6	76.4	78.1	77.6	77.1	80.5	83.2	79.5	72.6	69.9	68.0	69.9	71.5	72.9	73.3	81.6	94.1	1.03	4.84	22.8*	38.4*	1.3*	12.5 (7.4 to 17.8)^
NH whites	52.8	53.6	56.1	59.8	61.3	63.1	65.3	68.3	70.6	71.4	70.0	71.6	74.5	75.2	76.0	78.9	84.7	93.6	2.40	3.82	77.3*	NA 2C.E*	3.5*	9.6 (4.9 to 14.6)^
Hispanics	47.6	46.6	48.0	48.2	48.8	46.9	48.2	49.3	47.5	44.3	42.2	40.6 RGAN	41.2	41.5	41.8	42.2	45.1	51.4	0.22	2.03	7.9*	26.5*	0.4	10.0 (4.7 to 15.6)^
										Diseas		e circul			00-199)									
NH AIAN	91.7	93.2	94.1	90.8	101.2	90.2	96.7	91.1	89.1	87.2	89.3	88.9	90.1	87.2	93.5	94.1	102.0	97.7	0.35	1.51	6.5	12.0*	0.4	3.3 (-0.3 to 7.0)^
NH API	52.3	49.6	47.3	45.4	45.2	41.0	42.1	40.8	38.1	37.7	36.7	35.3	35.9	36.0	36.9	35.3	35.1	35.7	-0.97	-0.03	-31.7*	NA	-2.1*	-0.2 (-1.1 to 0.6)^
NH blacks	202.1	198.9	194.9	191.8	190.1	180.7	177.3	170.6	164.2	159.1	154.7	149.7	145.3	145.2	145.6	144.9	145.4	147.3	-3.22	0.40	-27.1*	NA	-1.9*	0.2 (-0.1 to 0.6)^
NH whites	91.0	89.7	86.8	86.2	84.4	81.0	80.0	78.5	76.3	76.0	74.1	73.6	73.5	<u>73.2</u>	73.4	74.2	74.6	75.6	-0.91	0.41	-17.0*	3.2*	-1.1*	0.6 (0.2 to 0.9)^
Hispanics	70.6	68.1	64.5	66.4	63.1	61.2	60.5	58.3	56.3	53.2	52.9	51.1	49.4	48.8	48.7	48.5	48.9	49.3	-1.25	-0.01	-30.1*	NA	-2.1*	0.4 (-1.1 to 1.8)^
										Diseas	ses of th	e diges	tive sys	tem (K0	0-K92)									
NH AIAN	55.6	<u>53.0</u>	55.5	56.7	58.1	55.8	55.7	54.8	63.2	65.7	60.0	66.1	66.3	69.2	73.2	74.9	79.8	79.0	1.38	2.54	42.1*	49.1*	2.3*	3.4 (2.5 to 4.2)^
NH API	5.5	6.2	5.8	5.9	5.3	5.3	5.8	5.9	5.3	5.6	5.7	5.5	5.5	5.3	5.5	5.2	5.6	5.7	0.01	0.05	2.9	NA	-0.3	-0.3 (-0.8 to 0.1) ^{NJP}
NH blacks	28.6	28.6	28.2	25.8	26.4	24.9	23.3	22.0	22.5	21.6	21.1	20.6	20.8	20.1	20.7	19.9	19.7	19.6	-0.53	-0.24	-31.4*	NA	-2.4*	-1.1 (-1.8 to -0.3)^
NH whites	17.6	17.8	18.2	18.4	18.5	18.2	18.3	18.6	19.0	19.5	19.8	20.2	20.8	21.3	21.7	22.1	22.9	22.6	0.30	0.36	28.8*	NA	1.6*	2.1 (2.0 to 2.3)
Hispanics	24.9	24.5	23.8	23.9	23.6	21.9	21.7	21.6	22.0	22.1	21.8	21.5	21.9	22.3	21.5	22.2	21.8	21.6	-0.20	-0.06	-13.5*	NA	-0.8*	0.0 (-0.4 to 0.3)^

										Diseas	es of th	e respira	atory sy	stem (J	00-J98)									
NH AIAN	22.2	22.9	21.8	21.2	26.7	21.6	23.4	21.4	23.2	28.6	30.6	25.1	25.4	24.5	24.8	28.9	27.1	27.1	0.29	0.35	22.0	27.8*	1.4*	1.4 (0.5 to 2.3) ^{NJP}
NH API	5.8	6.1	5.8	5.1	5.2	4.5	4.9	4.4	4.4	4.8	5.5	4.2	4.8	4.5	5.1	5.2	4.6	5.1	-0.04	0.08	-11.7	21.5*	-1.1	1.1 (-0.8 to 2.9)^
NH blacks	29.1	28.5	27.2	26.4	26.5	25.0	25.5	23.5	23.1	24.7	24.6	22.2	22.8	22.6	24.7	24.9	24.2	25.2	-0.23	0.47	-13.5	13.1*	-0.7*	1.8 (0.0 to 3.7)^
NH whites	18.7	18.6	18.5	18.2	18.5	17.7	18.6	17.7	17.7	18.9	20.3	18.3	19.5	18.8	20.3	21.3	20.4	21.1	0.14	0.32	12.9*	19.3*	0.7*	1.6 (0.8 to 2.5)^
Hispanics	10.4	10.7	9.8	10.0	9.9	9.3	9.7	8.9	8.4	9.1	11.2	9.0	8.6	8.6	9.4	10.1	8.7	9.5	-0.05	0.17	-8.5	10.9*	-0.7	-0.7 (-1.4 to 0.1) ^{NJP}
									Endo	crine, n	utrition	al and n	netabol	ic disea	ses (EOC)-E88)								
NH AIAN	31.9	26.9	27.8	30.7	31.8	30.1	32.3	32.0	27.7	27.9	29.5	32.8	34.5	34.5	33.5	36.6	37.5	39.4	0.44	0.97	23.5*	46.3*	1.5*	1.5 (0.8 to 2.3) ^{NJP}
NH API	6.0	5.9	6.3	5.9	6.3	6.1	6.2	6.5	6.4	6.0	6.3	5.8	5.9	6.4	6.5	6.2	6.3	6.8	0.05	0.19	15.1	NA	0.4	0.4 (0.0 to 0.7) ^{NJP}
NH blacks	33.3	32.1	32.6	33.7	33.3	32.0	32.2	31.8	30.9	28.6	28.5	28.5	29.7	28.6	29.8	30.7	31.8	32.2	-0.07	0.50	-3.5	12.9	-0.2	2.0 (1.1 to 2.9)
NH whites	12.7	13.3	13.5	14.0	14.1	13.9	14.2	14.2	13.9	13.9	14.0	13.7	14.7	14.4	14.9	15.4	16.0	16.1	0.20	0.27	26.4*	NA	1.4*	2.5 (1.8 to 3.3)^
Hispanics	16.2	16.2	16.1	16.0	16.7	14.8	15.7	14.3	14.1	13.9	13.3	13.3	13.2	13.4	13.6	13.7	13.6	14.4	-0.11	0.23	-11.3*	8.9*	-1.0*	1.5 (-0.7 to 3.8)^
	•					•				Diseas	ses of th	ne nervo	us syst	em (G00)-G98)						•			
NH AIAN	5.5	5.9	7.2	<u>5.4</u>	5.8	7.3	8.5	7.5	7.7	8.4	9.2	7.6	9.2	7.7	9.9	9.5	11.0	10.9	0.32	0.36	99.8*	19.5*	3.7*	3.7 (2.7 to 4.8) ^{NJP}
NH API	2.2	2.3	2.2	2.3	2.3	<u>1.9</u>	2.4	2.3	2.2	2.7	2.3	2.5	2.3	2.7	3.1	2.7	2.9	2.8	0.04	0.10	27.6	47.5	1.7*	1.7 (0.9 to 2.6) ^{NJP}
NH blacks	10.2	10.5	10.6	10.6	11.1	10.7	11.2	11.2	11.0	11.3	11.6	11.0	11.0	11.9	11.6	12.6	12.3	12.2	0.12	0.24	20.4*	NA	1.0*	1.0 (0.7 to 1.2) ^{NJP}
NH whites	NH blacks 10.2 10.5 10.6 10.6 11.1 10.7 11.2 11.2 11.0 11.3 11.6 11.0 11.0 11.9 11.6 12.6 12.3 12.2 0.12 0.24 20.4* NA 1.0*														1.6*	1.6 (1.5 to 1.8) ^{NJP}								
NH whites 7.1 7.6 7.6 7.8 7.9 7.9 8.3 8.3 8.4 8.6 8.8 8.8 8.8 8.9 9.3 9.3 9.5 9.8 0.16 0.22 38.9*														NA	1.4*	1.4 (1.0 to 1.8) ^{NJP}								
	Hispanics 3.7 4.2 3.9 4.3 4.6 4.3 4.5 4.5 4.6 4.5 4.6 4.5 4.6 4.5 5.0 4.8 5.2 5.2 0.09 0.12 40.4* NA 1.4*																							
NH AIAN	Mental and behavioral disorders (F01-F99)															7.2 (3.2 to 11.2)								
NH API	0.7	0.9	0.8	1.1	1.2	1.1	1.2	1.5	1.0	1.0	1.0	0.9	0.9	1.2	1.1	1.1	1.1	1.2	0.03	0.06	68.8	NA	2.3	-0.6 (-2.8 to 1.7)
NH blacks	9.8	9.3	9.7	9.1	9.0	8.5	8.5	9.3	6.9	6.0	5.8	5.9	5.7	<u>5.7</u>	6.0	6.0	5.9	6.5	-0.19	0.15	-33.6*	14.5*	-2.6*	1.7 (0.5 to 3.0)^
NH whites	4.6	4.8	5.0	5.3	5.6	6.0	6.1	6.5	5.1	5.1	<u>4.9</u>	5.3	5.5	5.8	6.0	6.3	6.7	7.4	0.17	0.37	61.1*	51.0*	2.7*	5.7 (4.2 to 7.3)^
Hispanics	5.5	5.1	4.9	5.2	5.2	4.8	5.5	5.4	3.7	3.5	3.3	3.3	<u>3.2</u>	3.3	3.8	3.6	3.6	3.9	-0.09	0.14	-29.1*	22.0*	-1.8	3.2 (0.9 to 5.4)^
									D	iseases	of the g	genitou	rinary s	ystem (I	N00-N9	3)					-			
NH AIAN	8.1	8.7	10.5	9.2	9.1	8.2	7.5	9.4	8.3	9.7	8.7	8.6	<u>7.3</u>	7.7	8.5	10.5	10.1	10.4	0.14	0.62	29.0*	42.5*	0.4	0.4 (-0.7 to 1.5) ^{NJP}
NH API	2.4	2.3	2.8	2.5	2.1	2.2	2.4	2.4	2.3	2.5	2.2	2.3	2.0	2.1	2.3	2.1	2.3	2.3	-0.01	0.06	-7.9	NA	-0.7	-0.7 (-1.4 to 0.0) ^{NJP}
NH blacks	14.7	15.2	15.5	15.5	16.4	16.2	15.6	15.5	15.1	14.9	14.3	14.3	12.9	13.2	13.0	<u>12.7</u>	13.6	13.8	-0.05	0.18	-6.1	8.1	-0.4	5.3 (-1.5 to 12.5)^
NH whites	3.4	3.5	3.6	3.7	3.9	3.9	3.9	4.1	4.0	4.0	4.1	4.1	<u>3.8</u>	3.9	4.0	4.1	4.4	4.6	0.07	0.14	35.7*	18.9*	1.8*	5.6 (2.0 to 9.3)^
Hispanics 4.7 4.4 4.5 4.6 4.9 4.8 4.7 5.0 4.8 5.1 5.2													4.2	4.4	4.2	4.2	4.4	4.7	0.00	0.10	-0.8	NA	0.2	4.5 (-1.3 to 10.7)^
									Pre	gnancy,	childbi	rth and	the pue	rperium	n (O00-0)								
Pregnancy, childbirth and NH AIAN UR													UR	UR	UR	UR	UR	UR	NA	NA	NA	NA	Ins	ufficient data
NH API	UR	UR	UR	UR	0.3	0.3	0.4	0.5	0.4	0.3	0.3	0.4	0.4	0.3	0.4	0.4	0.4	0.4	NA	0.06	NA	NA		ufficient data
NH blacks	0.6	0.6	0.6	0.6	0.8	0.9	1.0	1.0	0.9	1.0	1.1	1.1	1.2	1.4	1.5	1.5	1.5	1.6	0.06	0.34	167.9*	NA	6.4*	6.4 (5.6 to 7.3) ^{NJP}
NH whites	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.3	0.4	0.3	0.4	0.4	0.5	0.5	0.5	0.6	0.03	0.12	411.0*	NA	12.2*	7.5 (4.2 to 10.9)^
Hispanics	0.3	0.3	0.3	<u>0.3</u>	0.3	0.4	0.4	0.4	0.4	0.4	0.5	0.4	0.3	0.5	0.5	0.5	0.5	0.5	0.02	0.15	101.5*	106.3*	3.3*	3.3 (2.1 to 4.6) ^{NJP}
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†Average year-to-year changes (from 1999 to 2016) in absolute mortality rates (deaths per 100,000). See text for more details.

‡Slopes from fitted model, in which joinpoint analysis³⁰ was used to plot trend lines that best fit the 17 annual mortality rates (see Methods). *Joinpoints* (grey boxes) are points of inflection when mortality trend lines changed significantly. *APC* = annual percentage rate change, the slope for the interval(s) between joinpoints. *AAPC* = average annual percent change, the slope for the entire (1999-2016) period based on the weighted average of the APCs. For brevity, the table presents APC values only for the final interval ending in 2016 (or the entire 1999-2016 period when there are no joinpoints). Table S8 in this supplement provides all AAPC values, APC values for every segment, and related 95% confidence intervals and p values. The Joinpoint Chartbook in this supplement displays the fitted model for each cause of death and racial-ethnic group.

*Statistically significant changes in mortality rates (p < 0.05)

^APC (slope) for interval ending in 2016 differed significantly (p < 0.05) from slope of preceding period. *NJP* = no joinpoint (i.e., the fitted slope had no significant inflection between 1999 and 2016). Values equal the AAPC for the entire 1999-2016 period.

95% CI = 95% confidence interval

NH AIAN = non-Hispanic American Indians and Alaskan Native

NH API = non-Hispanic Asians and Pacific Islanders

NA = Not applicable; data were inadequate for calculation

NJP = No joinpoint; no significant changes in slope occurred and values represent the APC for the entire period of 1999-2016

UR = Unreliable data; fewer than 20 deaths from the specified cause of death in the given year and racial-ethnic group.

Notes Grey cells with bolded borders denote joinpoints, which demarcate changes in the APC (slope). Green shading denotes decreasing mortality (negative APC values that differ significantly from zero [p < 0.05]). Red shading denotes increasing mortality (positive APC values that differ significantly from zero). Nadirs (mortality rates significantly below 2016 rates) are underlined and bolded. Between 1999 and 2016, NH whites (only) ages 25-64 years also experienced statistically significant increases in age-adjusted mortality from diseases of the blood and immune mechanism (D50-D89; 14.7% increase; AAPC = 0.5% [0.0 to 0.9%]) and skin diseases (L00-L98; 65.0% increase; AAPC = 2.6% [1.8 to 3.3%]), as well as post-nadir increases in mortality from congenital disorders (Q00-Q99; 21.4% increase from nadir 2009; post-2011 APC = 4.0% [2.1 to 5.9%]). Post-nadir increases in mortality from symptoms, signs and abnormal clinical and laboratory findings (R00-R99) were statistically significant among NH blacks, NH whites, and Hispanics on two-point comparisons but were not confirmed on joinpoint analysis and are not presented here. No statistically significant increases by race-ethnicity (on two-point analysis) were reported for mortality from neoplasms (C00-D48), infectious and parasitic diseases (A00-B99), and diseases of the musculoskeletal system and connective tissue (M00-M99). Data were suppressed by race-ethnicity (unreliable) for diseases of the eye and adnexa (H00-H57), diseases of the ear and mastoid process (H60-H93), conditions originating in the perinatal period (P00-P96), and codes for special purposes (U00-U99). More detailed data are provided in Table S1 of the online supplement.

			Т	ABLE	S2. M	ORTAL	JTY RA	ATES B	Y LEA	DING	CAUS	ES, NO	N-HIS	PANIC	C WHI	TES, A	GES 2	5-64 Y	EARS, 1	999-201	16				
																					Char	nges in mo	ortality rate	es	
				A	ge-ad	justed	l mort	ality r	ates (d	deaths	s per 1	.00,00	0), by	year					abs	rage olute			Proportion (%) chang		Excess
																				o-year nges†			F	tted model‡	deaths
	1999	Cd 20 20 20 20 20 20 20 20 20 20 20 20 20															1999- 2016	2012- 2016	2016 vs 1999	2016 vs nadir	AAPC (1999- 2016)	Final APC (95% CI)			
								Exte	rnal c	auses	of mo	rbidit	y and	morta	lity (V	01-Y8	19)					ı	,		
Drug overdoses (X40-X44)	6.2	External causes of morbidity and mortality (V01-Y89) 6.8 7.7 10.1 11.4 12.6 14.2 16.7 18.1 18.7 19.2 20.3 22.4 22.4 24.0 26.3 30.1 37.0 1.81															1.81	2.91	494.3*	NA	11.1*	20.0 (6.2 to 35.7)^	33,003		
Alcohol poisoning (X45)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.7	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.06	0.01	674.5*	NA	12.3*	2.1 (-0.5 to 4.9)^	1,146
Pedestrian/cyclist/motorcycle injury (V01-V29)	3.4	3.5	3.8	4.0	4.1	4.4	4.6	4.9	4.8	4.9	4.4	4.3	4.4	4.7	4.3	4.3	4.7	5.1	0.10	0.14	50.1*	NA	2.4*	9.4 (-1.4 to 21.5)	1,404
Misc. land/other transport accidents (V80-V99) ¹	6.7	6.8	6.5	6.1	5.9	6.3	6.5	6.6	6.5	6.3	<u>5.9</u>	6.2	5.9	6.5	6.6	6.6	7.0	7.2	0.03	0.27	7.8*	23.5*	0.2	2.8 (1.5 to 4.0)	561
Other forms of accidental poisoning (X46-X49) ²	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.5	0.4	0.5	0.5	0.5	0.5	0.6	0.7	0.02	0.03	139.1*	NA	5.1*	5.1 (4.2 to 6.0) ^{NJP}	410
Falls, drowning, fire (W00-W19, W65-W74, X00-X09) ³	3.7	3.8	3.8	3.9	4.0	4.1	4.2	4.2	4.3	4.2	4.2	4.4	4.2	4.2	4.3	4.4	4.3	4.4	0.04	0.03	19.4*	NA	1.0*	0.2 (-0.1 to 0.6)^	768
Suicide (X60-X84)	15.6	15.7	16.6	17.3	17.4	17.7	17.7	18.4	19.2	20.0	20.4	21.1	21.6	22.1	22.1	22.7	23.5	23.3	0.45	0.35	49.4*	NA	2.5*	1.8 (1.0 to 2.5)^	8,300
									Disea	ases o	f the o	ircula	tory s	ystem	(100-1	99)							•		
Hypertensive diseases (I10-I15)	3.8	4.0	4.3	4.8	5.2	5.3	5.5	5.8	5.8	6.4	6.6	6.6	7.0	7.2	7.7	8.2	8.4	8.8	0.29	0.36	129.8*	NA	5.1*	4.2 (3.9 to 4.6)^	5,318
Other heart disease (I30-I51) ⁴	14.2	13.8	13.7	13.8	13.6	13.3	13.4	13.4	13.2	<u>13.0</u>	13.1	13.3	13.4	13.3	13.8	14.1	14.6	15.0	0.05	0.33	6.0*	15.6*	0.4*	2.9 (2.1 to 3.8)^	916
Venous/lymphatic diseases (I80-I89)	0.7	0.9	0.8	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.9	0.9	1.0	1.0	1.0	0.9	0.9	1.0	0.02	0.01	51.5*	NA	1.3*	1.3 (0.7 to 2.0) ^{NJP}	376
Pulmonary heart disease (I26-I28)	2.5	2.6	2.6	2.6	2.6	2.4	2.4	2.2	<u>2.1</u>	2.2	2.2	2.2	2.2	2.2	2.4	2.3	2.5	2.5	0.01	0.06	3.6	19.7*	0.0	1.7 (0.8 to 2.5)^	93
				_			_		Disea	ases o	f the c	ligesti	ve sys	tem (I	K00-K	92)					-	-			
Alcoholic liver disease (K70)	5.8	5.9	5.9	<u>5.8</u>	5.9	6.0	6.0	6.1	6.8	6.9	7.0	7.3	7.6	7.9	8.2	8.5	9.2	9.4	0.21	0.37	62.4*	63.0*	2.9*	4.1 (3.7 to 4.5)^	3,901
	•				-	•			Men	tal an	d beh	viora	l disor	ders (F01-F	99)									
Mental/behavioral disorders involving psychoactive substances (F10-F19)	4.0	4.1	4.3	4.6	4.9	5.2	5.3	5.5	4.0	3.9	3.8	4.1	4.3	4.5	4.7	5.1	5.6	6.3	0.14	0.40	58.9*	66.7*	2.6*	7.4 (5.3 to 9.5)^	2,493
Organic mental disorders (F01-F09)	0.2	0.2	0.3	0.3	0.3	0.3	0.4	0.6	0.6	0.7	0.7	0.7	0.8	0.8	0.8	0.7	0.7	0.6	0.02	-0.03	185.9*	NA	6.1*	-8.9 (-17.3 to 0.4)^	442
	•			•	,		_		Infec	tious	and p	arasiti	c dise	ases (A	400-B	99)			_						
Misc. infectious diseases (A00-A99) ⁵	3.7	3.8	3.9	4.2	4.3	4.4	4.4	4.3	4.6	4.8	4.9	4.7	5.0	5.0	5.3	5.5	5.6	5.7	0.12	0.14	53.9*	NA	2.4*	2.4 (2.2 to 2.7) ^{NJP}	2,149
				,							Neopl	asms	(C00-I	048)			,								
Liver cancer (C22)	2.2	2.4	2.4	2.6	2.7	2.8	3.0	3.0	3.2	3.4	3.6	3.7	4.0	4.1	4.1	4.1	4.2	4.0	0.11	0.01	80.0*	NA	3.7*	0.0 (-1.3 to 1.3)^	1,931
Cancer of lip/oral cavity/pharynx (C00-C14)	1.9	1.9	1.9	1.9	1.9	1.8	1.9	1.8	1.9	1.8	<u>1.7</u>	1.9	1.9	2.0	1.9	2.0	1.9	2.1	0.01	0.04	10.5*	23.5*	0.4	1.8 (0.6 to 3.0)^	215
Pancreatic cancer (C25)	5.3	5.3	5.3	5.2	5.1	5.3	5.4	5.4	5.4	5.4	5.5	5.6	5.4	5.5	5.4	5.6	5.5	5.5	0.01	0.03	3.3	7.6*	0.3*	0.3 (0.2 to 0.5) ^{NJP}	188

								Endoc	rine, ı	nutriti	onal,	and m	etabo	lic dis	eases	(E00-E	88)								
Obesity (E65-E68)	1.2	1.4	1.5	1.7	1.8	1.8	2.0	2.0	2.0	2.0	2.2	2.2	2.3	2.4	2.4	2.5	2.7	2.7	0.09	0.08	124.6*	NA	4.9*	3.3 (2.9 to 3.7)^	1,616
Diabetes (E10-E14)	9.3	9.5	9.7	9.8	9.9	9.7	9.7	9.6	9.3	9.2	9.1	<u>8.9</u>	9.6	9.2	9.5	9.8	10.2	10.1	0.05	0.11	8.9*	14.2*	0.5*	2.2 (1.4 to 3.0)^	879
Metabolic disorders (E70-E88)	1.7	1.8	1.9	2.0	2.0	2.0	2.1	2.1	2.1	2.2	2.2	2.2	2.3	2.3	2.4	2.5	2.6	2.5	0.05	0.05	46.2*	NA	2.0*	2.0 (1.8 to 2.3) ^{NJP}	858
Misc. endocrine disorders (E00-E07, 15-16, 20-34, 40-46) ⁶	0.5	0.5	0.5	0.4	0.5	0.5	0.5	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.01	0.01	31.1*	38.9*	1.7*	1.7 (1.2 to 2.2) ^{NJP}	154
									Disea	ises of	the r	espira	tory s	ystem	(J00-J	198)					-	-	=		
Chronic lower respiratory diseases (J40-J47)	11.5	11.0	11.2	10.9	11.1	<u>10.5</u>	11.1	10.6	10.7	11.4	11.4	11.1	11.5	11.5	11.8	12.0	12.2	12.3	0.04	0.17	6.6*	17.1*	0.5*	1.4 (0.9 to 1.9)^	835
Lung diseases due to external agents (J60-J70)	0.8	0.9	0.9	0.9	1.0	0.9	1.0	1.0	0.9	1.0	1.0	1.0	1.1	1.1	1.2	1.2	1.3	1.3	0.03	0.04	60.3*	NA	2.4*	2.4 (2.0 to 2.8) ^{NJP}	542
Misc. respiratory system disorders (J96-J98) ⁷	0.8	0.7	0.7	0.7	<u>0.7</u>	0.7	0.8	0.8	0.8	0.9	0.8	0.9	1.0	1.1	1.1	1.2	1.3	2.4	0.09	0.27	206.5*	252.1*	6.3*	37.4 (20.1 to 57.1)^	1,709
				_	-				Dise	ases o	f the	nervo	us sys	tem (G	600-G	98)	=			-	-		-	•	
Alzheimer's/degenerative disorders (G30-G31)	0.6	0.6	0.7	<u>0.6</u>	0.7	0.6	0.7	0.7	0.7	0.8	0.7	0.7	0.8	0.8	0.9	0.9	0.9	1.1	0.03	0.06	76.8*	84.5*	2.8*	2.8 (2.1 to 3.4) ^{NJP}	498
Epilepsy/episodic, paroxysmal disorders (G40-G47)	0.6	0.6	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.7	0.9	0.8	0.8	0.8	0.9	0.9	0.9	1.0	0.02	0.04	60.6*	NA	2.4*	2.4 (2.0 to 2.9) ^{NJP}	401
Inflammatory diseases (G00-G14) ⁸	1.9	2.1	2.0	2.1	2.2	2.1	2.2	2.2	2.2	2.2	2.2	2.3	2.3	2.3	2.3	2.4	2.3	2.3	0.02	-0.01	17.1*	NA	0.8*	0.8 (0.5 to 1.1) ^{NJP}	353
Cerebral palsy (G80-G83)	0.5	0.5	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.8	<u>0.8</u>	0.9	0.8	0.9	0.9	0.02	0.02	59.1*	15.3*	3.2*	2.1 (1.2 to 3.1)^	346
Extrapyramidal/movement disorders (G20-G25)	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.3	0.4	0.4	0.4	0.4	0.4	0.01	0.03	65.6*	NA	2.0*	2.0 (1.3 to 2.7) ^{NJP}	189
Misc. peripheral diseases (G50-G72) ⁹	0.6	0.6	0.5	0.7	0.6	0.6	0.7	0.6	0.7	0.6	0.7	0.6	0.7	0.7	0.7	0.6	0.6	0.7	0.01	0.01	29.9*	34.0*	1.0*	1.0 (0.4 to 1.6) ^{NJP}	177
Misc. disorders (G90-G98) ¹⁰	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.6	1.7	1.8	1.9	1.9	1.9	2.0	2.1	2.2	2.3	2.3	0.06	0.08	78.5*	NA	3.5*	3.3 (2.5 to 4.1)	1,084
								D	isease	s of t	he ger	itouri	nary s	ystem	(N00	-N98)				_	-		-		
Renal failure (N17-N19)	2.4	2.7	2.8	2.8	2.9	3.0	2.9	3.0	2.9	3.0	3.0	3.0	2.9	<u>2.8</u>	2.9	2.9	3.1	3.2	0.05	0.08	33.7*	13.5*	1.6*	5.3 (-2.9 to 14.2)	865
Other urinary system diseases (N00-N15, N20-39) ¹¹	0.8	0.8	0.8	0.8	0.9	0.9	1.0	1.0	1.1	1.0	1.0	1.1		0.9	1.0	1.0	1.2	1.2	0.02	0.06	43.3*	31.6*	1.8*	1.8 (1.2 to 2.4) ^{NJP}	385

†Average year-to-year changes (from 1999 to 2016) in absolute mortality rates (deaths per 100,000). See text for more details.

‡Slopes from fitted model, in which joinpoint analysis³⁰ was used to plot trend lines that best fit the 17 annual mortality rates (see Methods). *Joinpoints* (grey boxes) are points of inflection when mortality trend lines changed significantly. *APC* = annual percentage rate change, the slope for the interval(s) between joinpoints. *AAPC* = average annual percent change, the slope for the entire (1999-2016) period based on the weighted average of the APCs. For brevity, the table presents APC values only for the final interval ending in 2016 (or the entire 1999-2016 period when there are no joinpoints). Table S8 of this supplement provides all AAPC values, APC values for every segment, and related 95% confidence intervals and p values. The Joinpoint Chartbook in this supplement displays the fitted model for each cause of death and racial-ethnic group.

* Statistically significant changes in mortality rates (p < 0.05)

^APC (slope) for interval ending in 2016 differed significantly (p < 0.05) from slope of preceding period. *NJP* = no joinpoint (i.e., the fitted slope had no significant inflection between 1999 and 2016). Values equal the AAPC for the entire 1999-2016 period.

NA = Not applicable; data were inadequate for calculation

- 1. Accidents involving other land, water transport, air/space, and other/unspecified transport
- 2. Accidental poisoning by organic solvents, halogenated hydrocarbons, other gases and vapors, pesticides, and unspecified chemicals and noxious substances
- 3. Also includes deaths from submersion, smoke, and flames
- 4. Arrhythmias, cardiomyopathy, heart failure, cardiac arrest, myocarditis, and valvular and pericardial disease.
- 5. Intestinal infections, tuberculosis, and zoonotic and other bacterial, sexually transmitted, spirochetal, chlamydial, rickettsial, central nervous system, arthropod-borne, and viral hemorrhagic infections
- 6. Disorders of thyroid and other endocrine glands, malnutrition, and disorders of glucose regulation and pancreatic internal secretion
- 7. Respiratory failure, not elsewhere classified, and other respiratory disorders
- 8. Inflammatory diseases (e.g., meningitis, encephalitis) and systemic atrophies (e.g., Huntington's disease) affecting the central nervous system
- 9. Nerve/nerve root/plexus disorders, polyneuropathies and other disorders of the peripheral nervous system, diseases of myoneural junction and muscle
- 10. Disorders of autonomic nervous system, hydrocephalus, toxic encephalopathy, and other disorders of nervous system, not elsewhere classified
- 11. Glomerular and renotubular interstitial diseases, urolithiasis, and other diseases of urinary system

Notes: Grey cells with bolded borders denote joinpoints, which demarcate changes in the APC (slope). Green shading denotes decreasing mortality (negative APC values that differ significantly from zero [p < 0.05]). Red shading denotes increasing mortality (positive APC values that differ significantly from zero [p < 0.05]). No shading indicates statistically stable trends (APC values that did not differ significantly from zero). Rows with no color and diagonal hashmarks had inadequate data, due to unreported mortality rates for certain years, to perform joinpoint analysis. Nadirs (mortality rates significantly below 2016 rates) are underlined and bolded. See text for methods for

calculating average year-to-year increases and excess deaths. Increases in midlife mortality from homicide (X85-Y09) and viral hepatitis (B15-B19) were statistically significant on two-point comparisons but were not confirmed on joinpoint analysis and are not presented here. For brevity, data are not shown here for deaths aggregated by broad categories (e.g., circulatory system disorders), those making relatively small contributions to increasing mortality (average year-to-year increase ≤ 0.01/100,000 during 1999-2016), and increases that lacked statistical significance on two-point comparisons (with support from joinpoint analysis). Some excluded conditions that did not yield statistically significant increases in mortality in 1999-2016 (or increases > 0.01/100,000) did produce statistically significant post-nadir increases. Additional data are available in Tables S2-S4 of the online supplement.

TABLE S3. MORTALITY RATES	BY LEA	DING	CAUS	ES AN	10NG	NON-H	IISPAN	IC AME	RICAN	INDIA	NS AND	ALASH	(AN NA	ATIVES,	BLACK	S, HISP	ANICS,	AND A	SIANS A	ND PAC	IFIC ISLAN	IDERS, A	GES 25-6	4 YEARS, 1999-2016	õ
Course of death (ICD 10 ander)						Age-ad	ljusted	morta	lity rate	es (dea	ths per	· 100,00	00), by	year					absolut to-y change	rage te year- year es (per 000)†			roportio %) chang		Excess deaths
Causes of death (ICD-10 codes)	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1999-	2012-	2016 vs	2016	Fi	tted model‡	(1999- 2016)
	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2016	2016	1999	vs nadir	AAPC (1999- 2016)	Final APC (95% CI)	
	<u> </u>	<u> </u>				<u> </u>	<u> </u>	NON	-HISPA	NIC AN	/IERICA	N INDI	ANS AI	ND ALA	SKAN I	NATIVE	S			l			2010)	l.	
Drug overdoses (X40-X44)	7.0	6.7	8.1	10.6	13.6	15.5	17.1	17.8	18.0	20.5	24.9	23.4	24.8	28.0	27.0	31.0	32.7	35.9	1.70	2.22	411.4*	NA	10.9*	7.1 (5.7 to 8.5)^	370
Alcoholic liver disease (K70)	29.3	27.3	27.6	28.7	29.8	27.6	29.3	28.9	33.6	34.9	32.5	39.3	38.8	41.4	44.7	44.5	50.3	48.6	1.14	1.96	65.9*	78.0*	3.5*	5.3 (4.3 to 6.3)^	254
Suicide (X60-X84)	14.9	15.5	17.2	16.8	16.6	20.4	18.6	18.6	18.6	18.5	19.3	20.6	21.4	21.7	23.6	24.0	25.8	28.4	0.80	1.40	91.2*	NA	3.5*	6.6 (1.4 to 12.1)	176
Hypertensive diseases (I10-I15)	3.9	4.3	4.1	4.1	7.3	7.7	7.2	8.1	7.7	8.0	9.5	10.1	9.3	9.5	12.4	13.5	13.8	14.3	0.61	1.01	269.3*	NA	7.8*	7.8 (6.4 to 9.3) ^{NJP}	134
Other heart disease (I30-I51) ¹	15.7	15.7	16.3	14.9	18.2	16.0	17.2	17.4	17.5	17.4	17.1	17.4	16.1	16.2	17.6	15.7	20.5	20.1	0.26	0.79	27.7	34.9*	0.9*	0.9 (0.2 to 1.6) ^{NJP}	57
Colorectal cancer (C17-21)	6.7	7.2	7.1	9.8	7.0	7.6	8.6	7.5	8.4	9.6	9.7	9.1	9.6	8.3	10.1	9.3	9.1	10.8	0.24	0.24	60.6*	NA	2.0*	2.0 (1.1 to 3.0) ^{NJP}	52
Liver cancer (C22)	3.2	4.6	4.1	3.5	4.9	5.5	4.2	4.3	5.7	5.4	5.5	5.4	5.7	6.4	7.6	5.7	7.4	6.8	0.21	0.22	115.1*	NA	4.0*	4.0 (2.7 to 5.2) ^{NJP}	45
Falls, drowning, fire (W00-W19, W65-W74, X00-X09) ²	8.3	9.2	8.2	9.8	9.0	8.8	9.6	8.0	8.1	7.8	8.4	8.9	8.6	11.0	10.6	10.7	9.8	11.6	0.19	0.59	39.3	49.0*	1.3	4.1 (1.3 to 6.9)^	43
Viral hepatitis (B15-B19)	2.3	4.5	3.4	4.0	4.5	4.2	3.6	6.1	6.5	5.8	6.6	5.5	5.5	6.1	6.9	6.0	5.2	4.8	0.15	-0.12	112.1*	NA	3.7*	3.7 (1.5 to 5.9) ^{NJP}	29
Diabetes (E10-E14)	28.6	23.1	23.1	26.6	27.9	25.8	25.8	26.1	22.6	22.4	22.5	25.3	27.6	26.7	26.8	27.8	29.1	30.9	0.13	0.66	7.9	37.7*	0.9	3.7 (0.7 to 6.7)^	38
Homicide (X85-Y09)	13.5	10.3	9.3	12.0	10.0	9.9	11.0	11.6	10.1	11.8	11.1	12.0	11.7	11.9	11.9	12.2	13.4	14.5	0.06	0.56	7.6*	55.3*	1.2*	1.2 (0.3 to 2.2) ^{NJP}	19
Mental/behavioral disorders involving psychoactive substances (F10-F19)	17.3	14.0	16.0	13.8	17.9	17.8	16.7	18.1	12.2	13.4	11.7	10.7	12.3	14.0	13.0	17.2	16.9	17.3	0.00	1.02	0.2	61.8*	1.1	9.0 (2.6 to 15.8)^	6
Misc. nervous system disorders (G90-G98) ³	UR	UR	2.5	UR	1.7	2.2	2.7	2.1	2.5	2.8	2.4	2.9	3.2	3.1	2.6	2.7	2.8	3.5	NA	0.05	NA	108.9*	Ins	ufficient data	24
Alcohol poisoning (X45)	2.2	UR	UR	UR	UR	UR	UR	2.1	4.6	7.6	8.2	9.3	9.1	9.8	9.7	9.8	9.9	10.2	NA	0.21	366.6*	NA	Ins	ufficient data	104
	2.2 UR UR UR UR UR UR UR 2.1 4.6 7.6 8.2 9.3 9.1 9.8 9.7 9.8 9.9 10.2 NA 0.21 366.6* NA Insufficient of the control of the									•															
Drug overdoses (X40-X44)	10.2	10.0	10.4	11.4	11.4	11.8	13.8	16.3	14.1	12.1	11.9	11.6	12.9	12.9	14.5	15.5	18.1	25.5	0.90	2.51	149.6*	119.1*	5.8*	28.7 (11.4 to 48.7)^	3,187
Homicide (X85-Y09)]	22.8	23.6	23.7	25.1	25.1	24.5	25.6	26.2	25.5	23.4	22.2	21.8	21.9	23.2	22.9	21.7	25.5	27.6	0.29	1.15	21.4*	27.2*	1.1	11.3 (3.8 to 19.3)^	1,005
Hypertensive diseases (I10-I15)	24.7	25.1	25.4	26.7	28.4	28.0	26.8	26.9	26.6	27.4	28.0	26.9	26.5	27.3	27.4	27.7	28.2	28.5	0.23	0.40	15.5*	NA	0.7*	0.1 (-0.2 to 0.5)^	725
Obesity (E65-E68)	2.3	2.8	3.0	3.3	3.1	3.6	3.8	3.6	3.7	3.7	3.6	3.7	4.1	3.8	3.9	4.7	4.9	5.1	0.16	0.20	120.7*	NA	4.8*	9.6 (1.4 to 18.4)	545
Liver cancer (C22)	4.8	5.4	5.4	5.4	5.9	5.9	6.5	6.6	6.5	7.0	7.5	7.7	7.7	7.6	7.7	7.6	7.2	7.2	0.14	-0.10	49.5*	NA	2.2*	-1.8 (-3.6 to 0.0)^	430
Misc. nervous system disorders (G90-G98) ³	3.7	3.7	3.5	3.5	3.8	3.8	3.9	4.0	4.0	4.4	4.4	4.3	4.2	4.7	4.6	5.0	5.0	5.1	0.08	0.17	35.8*	NA	2.2*	2.2 (1.8 to 2.5) ^{NJP}	268
Pedestrian/cyclist/motorcycle injury (V01-V29)	5.4	5.5	5.5	5.4	5.6	5.8	6.0	6.0	6.1	5.7	5.1	<u>4.9</u>	5.1	5.5	5.7	5.5	6.4	6.6	0.08	0.31	23.7*	36.5*	1.2	5.1 (3.4 to 6.8)^	265
Misc. land/other transport accidents (V80-V99)	6.4	6.7	6.1	5.3	5.8	5.7	5.5	6.2	5.7	5.4	5.8	5.7	<u>5.2</u>	5.8	6.3	6.4	6.9	7.5	0.07	0.45	17.7*	42.8*	1.1	6.5 (2.6 to 10.5)^	264
Metabolic disorders (E70-E88)	2.4	2.5	2.4	2.7	2.6	2.5	2.6	2.5	2.7	2.6	2.7	2.6	2.8	2.8	2.9	3.2	3.4	3.5	0.06	0.13	43.2*	47.2*	2.0*	4.6 (2.8 to 6.5)^	216

Misc. respiratory system disorders (J96-J98) ⁴	1.3	1.4	1.5	1.3	1.3	<u>1.3</u>	1.4	1.4	1.5	1.7	1.4	1.7	1.5	1.6	2.1	1.9	2.1	2.4	0.06	0.18	75.8*	87.3*	3.5*	8.7 (2.8 to 14.9)^	212
Suicide (X60-X84)	7.2	7.1	7.2	7.3	7.1	7.2	7.1	7.0	7.0	7.0	7.1	7.4	7.5	7.8	7.6	7.5	7.6	8.2	0.06	0.14	13.7*	17.7*	0.6*	1.5 (0.9 to 2.0)^	213
Organic mental disorders (F01-F09)	0.3	0.5	0.4	0.4	0.5	0.4	0.5	0.9	0.9	0.9	0.7	1.0	1.0	1.1	1.3	1.1	1.0	0.9	0.04	-0.02	215.3*	NA	6.2*	-10.5 (-31.5 to 17.1)	119
Cerebral palsy (G80-G83)	0.6	0.7	0.9	1.0	0.9	0.9	1.1	1.0	1.0	1.1	1.0	1.1	1.0	0.9	1.0	1.0	1.2	1.2	0.03	0.03	93.4*	NA	3.5*	1.3 (0.4 to 2.1)	109
Alzheimer's/degenerative disorders (G30-G31)	0.4	0.5	0.4	0.5	0.4	<u>0.4</u>	0.5	0.6	0.4	0.5	0.5	0.4	0.5	0.5	0.6	0.7	0.7	0.6	0.01	0.01	54.1	64.9*	2.5*	2.5 (1.2 to 3.8) ^{NJP}	42
Lung diseases due to external agents (J60-J70)	1.6	1.5	1.4	1.4	1.6	1.5	1.5	1.3	1.4	1.4	1.4	<u>1.2</u>	1.4	1.4	1.5	1.5	1.5	1.6	-0.00	0.05	-1.1	30.1*	0.1	3.1 (0.8 to 5.4)^	4
Pancreatic cancer (C25)	8.1	7.6	7.3	7.6	7.9	7.7	7.6	7.6	7.6	7.6	7.4	7.2	<u>7.1</u>	7.5	7.3	7.4	7.6	7.8	-0.01	0.15	-3.1	10.6*	-0.2	1.6 (0.3 to 2.9)^	(29)
Misc. infectious diseases (A00-A99) ⁵	12.2	12.5	12.5	12.5	12.7	12.3	12.0	12.3	11.9	12.0	11.7	11.0	10.9	<u>10.5</u>	11.0	10.6	11.2	11.5	-0.04	0.12	-5.8	8.9*	-0.6	2.1 (0.0 to 4.3)^	(134)
Pulmonary heart disease (I26-I28)	6.3	5.9	6.0	5.9	6.0	5.5	5.6	5.2	4.7	<u>4.7</u>	5.3	5.1	5.1	5.3	5.1	5.2	5.5	5.5	-0.05	0.09	-12.3	17.9*	-0.8*	1.5 (0.2 to 2.7)^	(126)
Chronic lower respiratory diseases (J40-J47)	13.7	13.4	12.4	12.4	12.0	11.5	11.9	11.1	<u>10.6</u>	11.3	11.0	10.8	10.8	11.0	11.5	11.3	11.3	11.7	-0.12	0.17	-14.66*	9.5*	-1.0*	0.7 (0.0 to 1.3)^	(339)
Alcoholic liver disease (K70)	7.7	7.2	6.8	5.8	5.8	5.4	5.1	4.3	4.9	4.8	4.5	4.7	5.0	4.6	4.9	5.0	5.3	5.2	-0.14	0.04	-31.59*	20.4*	-2.3*	1.2 (0.3 to 2.1)^	(418)
Car accidents (V40-V49)	6.2	6.1	6.0	6.3	5.9	5.8	5.3	5.7	5.0	4.2	3.6	3.1	3.3	3.1	2.5	2.6	2.8	3.2	-0.18	-0.03	-48.52*	25.5*	-4.2*	6.9 (-4.0 to 19.0)^	(574)
Mental/behavioral disorders involving psychoactive substances (F10-F19)	9.0	8.5	8.7	8.3	8.0	7.5	7.5	7.8	5.4	4.6	4.6	4.4	4.2	4.0	4.3	4.4	4.3	4.9	-0.24	0.13	-45.13*	23.3*	-3.9*	1.4 (-0.3 to 3.2)^	(749)
Diabetes (E10-E14)	27.1	25.6	26.1	26.3	26.5	24.7	24.7	24.5	23.4	21.2	21.2	21.1	21.9	21.0	21.7	21.6	22.3	22.4	-0.28	0.10	-17.29*	7.0*	-1.1	1.0 (0.0 to 2.0)	(852)
Other heart disease (I30-I51)	37.7	35.6	35.8	35.4	35.0	33.7	33.8	32.6	32.4	31.7	30.9	30.1	28.3	29.0	30.2	30.3	31.2	32.2	-0.32	0.78	-14.53*	13.8*	-0.9*	2.3 (1.5 to 3.2)^	(948)
				•				•				HISPAN	IICS	2		•						-			•
Drug overdoses (X40-X44)	7.9	6.6	6.2	7.4	7.8	7.1	8.0	9.1	8.4	8.2	8.2	7.8	8.7	9.0	9.6	9.8	11.2	14.3	0.37	1.11	80.0*	83.3*	4.3*	22.4 (-4.8 to 57.3)	1,777
Hypertensive diseases (I10-I15)	4.7	4.9	5.2	5.9	6.0	5.7	5.8	5.8	6.0	6.1	6.2	6.1	5.6	6.0	6.2	6.3	6.5	6.6	0.11	0.21	40.6*	NA	1.9*	0.8 (0.3 to 1.3)^	410
Liver cancer (C22)	4.0	4.2	4.4	4.5	4.9	5.0	5.4	5.1	5.0	5.3	5.5	5.3	5.7	5.9	6.1	5.5	5.4	5.6	0.10	-0.01	41.8*	NA	2.2*	0.9 (0.1 to 1.8)^	333
Suicide (X60-X84)	7.1	7.0	7.0	7.1	6.9	7.2	6.9	6.7	7.7	7.0	7.3	7.3	7.2	7.3	7.2	8.0	7.7	8.6	0.09	0.29	21.9*	28.9*	1.2*	5.3 (-0.3 to 11.2)	426
Alcohol poisoning (X45)	0.3	0.2	0.2	0.3	0.2	0.2	0.3	0.2	0.9	1.1	1.1	1.2	1.2	1.1	1.2	1.2	1.3	1.2	0.06	0.00	354.0*	657.7*	10.5*	0.8 (-4.7 to 6.6)^	224
Obesity (E65-E68)	0.8	0.8	0.9	1.0	1.1	1.0	1.0	1.3	1.2	1.3	1.3	1.3	1.3	1.3	1.4	1.5	1.4	1.6	0.05	0.07	106.6*	NA	3.8*	3.8 (3.1 to 4.6) ^{NJP}	193
Metabolic disorders (E70-E88)	0.8	0.9	1.0	0.9	1.0	0.8	1.0	1.0	0.9	1.0	1.0	1.1	1.2	1.3	1.1	1.2	1.2	1.3	0.03	0.02	60.0*	NA	2.2*	2.2 (1.5 to 3.0) ^{NJP}	110
Misc. nervous system disorders (G90-G98)	1.0	1.1	1.1	1.0	1.1	1.2	1.2	1.1	1.3	1.2	1.3	1.4	1.3	1.3	1.5	1.4	1.6	1.5	0.03	0.03	42.0*	47.6*	2.5*	2.5 (1.9 to 3.0) ^{NJP}	99
Pedestrian/cyclist/motorcycle injury (V01-V29)	4.6	4.5	4.9	4.6	5.0	4.6	4.7	4.9	4.6	4.4	3.8	3.9	4.0	4.3	4.3	4.1	4.4	4.9	0.02	0.20	7.5	30.7*	0.1	2.7 (0.8 to 4.6)	114
Alzheimer's/degenerative disorders (G30-G31)	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.6	0.4	0.4	0.4	0.3	0.4	0.4	0.4	0.4	0.5	0.5	0.02	0.02	108.7*	NA	3.2*	3.2 (1.7 to 4.7) ^{NJP}	62
Epilepsy/episodic, paroxysmal disorders (G40-G47)	0.3	0.5	0.5	0.6	0.5	0.4	0.5	0.6	0.6	0.5	0.5	0.5	0.4	0.6	0.5	0.6	0.7	0.6	0.02	0.04	78.4*	46.5*	1.5*	1.5 (0.1 to 2.9) ^{NJP}	56
Organic mental disorders (F01-F09)	0.2	0.2	0.2	0.2	0.2	UR	0.3	0.4	0.2	0.4	0.4	0.4	0.4	0.6	0.5	0.4	0.4	0.4	NA	0.01	113.9*	NA	Ins	ufficient data	42
Alcoholic liver disease (K70)	10.4	10.7	10.3	9.6	9.4	<u>8.7</u>	8.7	8.9	9.3	9.1	9.1	9.2	9.4	9.3	9.1	9.9	10.2	10.4	0.00	0.21	0.6	20.3*	-0.2	4.0 (0.6 to 7.5)	131
Misc. respiratory system disorders (J96-J98) ⁴	0.4	0.3	0.3	0.4	0.3	0.3	0.4	0.3	0.4	0.4	0.3	0.4	0.4	0.4	0.5	0.5	0.7	0.5	0.01	0.03	41.8	79.0*	3.2*	3.2 (1.7 to 4.8) ^{NJP}	40
Misc. peripheral nervous system diseases (G50-G72) ⁶	0.2	0.3	0.2	0.4	0.3	0.2	0.3	0.2	0.3	0.3	0.2	0.4	0.3	0.2	0.3	0.3	0.4	0.4	0.01	0.02	83.7*	NA	2.0*	2.0 (0.3 to 3.7) ^{NJP}	39

Misc. land/other transport accidents (V80-V99) ⁷	5.4	5.5	5.4	4.0	4.4	4.2	4.2	4.9	5.0	4.5	3.7	3.8	3.4	3.9	4.3	4.4	4.8	5.1	-0.02	0.34	-5.5	49.1*	-0.4	8.8 (3.0 to 15.0)^	32
Mental/behavioral disorders involving psychoactive substances (F10-F19)	5.1	4.7	4.6	4.8	4.9	4.5	5.0	4.8	3.3	2.9	2.8	2.7	2.6	2.6	3.0	3.0	3.0	3.3	-0.11	0.15	-35.4*	28.8*	-2.5	3.4 (1.4 to 5.6)^	(355)
Homicide (X85-Y09)	8.4	8.4	8.1	8.1	8.3	7.8	8.2	7.9	7.5	7.2	6.7	6.0	5.6	5.7	<u>5.3</u>	5.4	5.8	6.4	-0.12	0.16	-23.5*	22.0*	-1.6*	7.0 (2.6 to 11.5)^	(408)
			_						NON-	HISPAN	NIC ASI	ANS AI	ND PAC	IFIC ISL	ANDEF	RS									
Drug overdoses (X40-X44)	0.9	0.9	0.8	1.0	1.2	1.3	1.5	1.6	1.7	1.6	1.6	1.7	2.1	2.4	2.5	2.5	3.1	3.6	0.16	0.30	300.6*	NA	8.2*	11.4 (8.9 to 14.0)^	258
Hypertensive diseases (I10-I15)	3.1	<u>2.6</u>	3.3	3.1	2.9	3.4	3.4	3.3	3.0	3.2	3.0	3.2	3.0	3.0	3.3	3.8	3.7	4.0	0.05	0.19	28.3*	51.9*	1.2*	1.2 (0.3 to 2.0) ^{NJP}	93
Alcoholic liver disease (K70)	1.2	1.6	1.4	1.5	1.2	1.3	1.5	1.6	1.6	1.6	1.8	1.4	1.8	1.4	1.7	1.8	2.0	2.0	0.04	0.04	62.9*	NA	2.0*	2.0 (1.0 to 3.1) ^{NJP}	68
Brain/central nervous system cancers (C69-C72)	1.3	1.6	1.5	1.8	1.5	1.7	1.5	1.5	1.5	1.5	1.4	1.7	1.5	1.7	1.9	1.8	1.9	2.0	0.04	0.08	56.6*	36.5*	1.4*	1.4 (0.5 to 2.4) ^{NJP}	61
Mental/behavioral disorders involving psychoactive substances (F10-F19)	0.6	0.6	0.7	0.9	0.9	0.9	1.0	1.2	0.7	0.6	0.7	0.5	0.7	0.8	0.8	0.9	0.9	0.8	0.01	0.03	39.2	73.1*	2.7	8.2 (3.0 to 13.7)	16
Suicide (X60-X84)	7.2	6.4	<u>6.0</u>	6.3	6.4	6.9	6.2	6.4	7.0	6.7	7.2	7.7	7.5	7.9	7.5	7.3	7.3	7.8	0.03	0.04	7.4	29.7*	0.7	1.7 (1.1 to 2.3)	73

†Average year-to-year changes (from 1999 to 2016) in absolute mortality rates (deaths per 100,000). See text for more details.

‡Slopes from fitted model, in which joinpoint analysis³⁰ was used to plot trend lines that best fit the 17 annual mortality rates (see Methods). *Joinpoints* (grey boxes) are points of inflection when mortality trend lines changed significantly. *APC* = annual percentage rate change, the slope for the interval(s) between joinpoints. *AAPC* = average annual percent change, the slope for the entire (1999-2016) period based on the weighted average of the APCs. For brevity, the table presents APC values only for the final interval ending in 2016 (or the entire 1999-2016 period when there are no joinpoints). Tables S8 of this supplement provide all AAPC values, APC values for every segment, and related 95% confidence intervals and p values. The Joinpoint Chartbook in the online supplement displays the fitted model for each cause of death and racial-ethnic group.

* Statistically significant changes in mortality (p < 0.05)

^APC (slope) for interval ending in 2016 differed significantly (p < 0.05) from slope of preceding period. *NJP* = no joinpoint (i.e., the fitted slope had no significant inflection between 1999 and 2016). Values equal the AAPC for the entire 1999-2016 period.

NA = Not applicable; data were inadequate for calculation

UR=Unreliable data: fewer than 20 deaths from the specified cause of death in the given year and racial-ethnic group.

- L. Arrhythmias, cardiomyopathy, heart failure, cardiac arrest, myocarditis, and valvular and pericardial disease.
- 2. Also includes deaths from submersion, smoke, and flames
- 3. Disorders of autonomic nervous system, hydrocephalus, toxic encephalopathy, and other disorders of nervous system, not elsewhere classified
- 4. Respiratory failure, not elsewhere classified, and other respiratory disorders
- 5. Intestinal infections, tuberculosis, and zoonotic and other bacterial, sexually transmitted, spirochetal, chlamydial, rickettsial, central nervous system, arthropod-borne, and viral hemorrhagic infections
- 6. Nerve/nerve root/plexus disorders, polyneuropathies and other disorders of the peripheral nervous system, diseases of myoneural junction and muscle
- 7. Accidents involving other land, water transport, air/space, and other/unspecified transport

Notes: Grey cells with bolded borders denote joinpoints, which demarcate changes in the trend line (slope). Green shading denotes decreasing mortality (downward slopes derived from joinpoint analysis that differ significantly from zero [p < 0.05]). Red shading denotes increasing mortality (upward slopes derived from joinpoint analysis that differ significantly from zero [p < 0.05]). No shading indicates statistically stable trends (slopes that did not differ significantly from zero). Rows with no color and diagonal hashmarks had inadequate data, due to unreported mortality rates for certain years, to perform joinpoint analysis. Nadirs (mortality rates significantly below 2016 rates) are underlined and bolded. See text for methods for calculating average year-to-year increases and excess deaths. Increases in midlife mortality among NH blacks from venous/lymphatic diseases (I80-I89); alcohol poisoning (X45); miscellaneous urinary system diseases, including glomerular and renotubular interstitial diseases and urolithiasis (N00-N15, N20-39); epilepsy/episodic, paroxysmal disorders (G40-G47); miscellaneous endocrine disorders, including thyroid disease (E00-E07, 15-16, 20-34, 40-46); and miscellaneous injuries, such as from mechanical forces and electricity (W20-W64, W75-W99, X10-X39, X50-59) were statistically significant on two-point comparisons but were not confirmed on joinpoint analysis and are not presented here. The same was true for mortality from car accidents (V40-V49) among Hispanics and pedestrian/cyclist/motorcycle injury (V01-V29) among NH Asians and Pacific Islanders. For brevity, data are not shown here for deaths aggregated by broad categories (e.g., circulatory system disorders), those making relatively small contributions to increasing mortality (average year-to-year increase < 0.01/100,000 during 1999-2016), and increases that lacked statistical significance on two-point comparisons (with support from joinpoint analysis). Additional data are available in Tables S2-S4 of the online supplement.

TABLE S4: MO	RTAL	TY RA	TES FF	ROM A	LL CA	USES A	AND B	ROAD	CATE	GORIE	S OF (CAUSE	S OF D	EATH	(CON	IPLETE	LIST).	. AGES	25-64 \	/EARS. 1	.999-201	16. BY RA	ACE-ETHN	NICITY
															(00						s in morta			
																			Average	absolute				
	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	13	2014	115	2016		o-year es (per	Propor	tional (%)	changes	
	16	20	50	20	20	20	20	20	20	20	20	20	50	70	201	20	203	20		000)†				
																			1999-	2012-	2016 vs	2016 vs	AAPC‡	Excess
ALL CALICE MACRITAL	177/																		2016	2016	1999	nadir	AAFC	deaths
ALL-CAUSE MORTAL NH AIAN	г -	425.0	444.6	453.0	474.1	458.7	477.0	464.4	462.2	471.9	477.2	479.7	482.7	492.6	502.6	526.0	548.7	FFC 0	6.0	14.8	26.6*	30.8*	1.4*	1 521
NH API	439.8 177.6	425.8 174.1	173.1	164.8	160.4	153.9	155.7	152.4	146.7	144.3	142.1	141.2	142.8	143.8	143.2	139.9	139.3	556.8 145.6	6.9 -1.9	0.6	-18.0*	4.5*	-1.3*	1,531 (2,316)
NH blacks	656.1	646.7	636.7	629.6	623.8	598.1	593.4	577.8	558.1	535.2	523.4	503.5	496.1	491.3	492.8	490.2	495.9	509.8	-8.6	2.7	-22.3*	4.0*	-1.5*	(27,338)
NH whites	338.9	340.6	342.4	341.5	340.6	333.9	336.3	334.5	330.9	333.0	332.2	328.0	332.7	332.4	335.5	341.3	347.1	356.6	1.0	4.8	5.2*	8.7*	0.2*	18,882
Hispanics	284.3	281.7	279.5	274.6	272.8	260.5	261.2	255.2	247.6	241.0	238.0	228.9	224.6	226.5	226.1	225.7	226.8	234.8	-2.9	2.1	-17.4*	4.6*	-1.2*	(9,991)
EXTERNAL CAUSES (V01-Y89	9)																						
NH AIAN	99.8	94.4	94.5	108.9	109.2	107.4	115.8	120.0	114.4	114.6	120.6	119.9	125.6	133.2	127.4	138.2	147.6		3.4	6.3	57.5*	66.5*	2.5*	752
NH API	23.6	22.9	21.5	21.6	22.3	21.9	21.7	21.5	21.5	19.8	19.4	20.5	20.5	21.3	20.6	20.3	20.4	22.0	-0.1	0.3	-6.8	13.4*	-0.5	(62)
NH blacks NH whites	76.6 52.8	76.6	76.4 56.1	78.1 59.8	77.6	77.1	80.5	83.2	79.5 70.6	72.6 71.4	69.9 70.0	71.6	69.9 74.5	71.5	72.9 76.0	73.3 78.9	81.6 84.7	94.1	1.0 2.4	4.8 3.8	22.8* 77.3*	38.4* NA	1.3* 3.5*	3,845 43,733
Hispanics	47.6	53.6 46.6	48.0	48.2	61.3 48.8	63.1 46.9	65.3 48.2	68.3 49.3	47.5	44.3	42.2	40.6	41.2	75.2 41.5	41.8	42.2	45.1	93.6 51.4	0.2	2.0	7.9*	26.5*	0.4	1,338
ORGAN DISEASES	17.0	10.0	10.0	10.2	10.0	10.5	10.2	15.5	17.13	11.5	12.2	10.0	12.2	12.5	12.0	12.2	13.1	31.1	V.E		7.5	20.5		2,000
Diseases of the circu	latory	ystem (100-199)																				
NH AIAN	91.7	93.2	94.1	90.8	101.2	90.2	96.7	91.1	89.1	<u>87.2</u>	89.3	88.9	90.1	87.2	93.5	94.1	102.0	97.7	0.4	1.5	6.5	12.0*	0.4	81
NH API	52.3	49.6	47.3	45.4	45.2	41.0	42.1	40.8	38.1	37.7	36.7	35.3	35.9	36.0	36.9	35.3	35.1	35.7	-1.0	0.0	-31.7*	NA	-2.1*	(1,259)
NH blacks	202.1	198.9	194.9	191.8	190.1	180.7	177.3	170.6	164.2	159.1	154.7	149.7	145.3	145.2	145.6	144.9	145.4	147.3	-3.2	0.4	-27.1*	NA	-1.9*	(10,313)
NH whites	91.0	89.7	86.8	86.2	84.4	81.0	80.0	78.5	76.3	76.0	74.1	73.6	73.5	73.2	73.4	74.2	74.6	75.6	-0.9	0.4	-17.0*	3.2*	-1.1*	(16,571)
Diseases of the respi	70.6	68.1	64.5	66.4	63.1	61.2	60.5	58.3	56.3	53.2	52.9	51.1	49.4	48.8	48.7	48.5	48.9	49.3	-1.3	0.0	-30.1*	NA	-2.1*	(4,414)
NH AIAN	22.2	22.9	21.8	21.2	26.7	21.6	23.4	21.4	23.2	28.6	30.6	25.1	25.4	24.5	24.8	28.9	27.1	27.1	0.3	0.3	22.0	27.8*	1.4*	62
NH API	5.8	6.1	5.8	5.1	5.2	4.5	4.9	4.4	4.4	4.8	5.5	4.2	4.8	4.5	5.1	5.2	4.6	5.1	0.0	0.1	-11.7	21.5*	-1.1	(35)
NH blacks	29.1	28.5	27.2	26.4	26.5	25.0	25.5	23.5	23.1	24.7	24.6	22.2	22.8	22.6	24.7	24.9	24.2	25.2	-0.2	0.5	-13.5	13.1*	-0.7*	(661)
NH whites	18.7	18.6	18.5	18.2	18.5	17.7	18.6	17.7	17.7	18.9	20.3	18.3	19.5	18.8	20.3	21.3	20.4	21.1	0.1	0.3	12.9*	19.3*	0.7*	2,610
Hispanics	10.4	10.7	9.8	10.0	9.9	9.3	9.7	8.9	8.4	9.1	11.2	9.0	8.6	8.6	9.4	10.1	8.7	9.5	-0.1	0.2	-8.5	10.9*	-0.7	(147)
Diseases of the diges	stive sy	stem (K	00-K92)																				
NH AIAN	55.6	<u>53.0</u>	55.5	56.7	58.1	55.8	55.7	54.8	63.2	65.7	60.0	66.1	66.3	69.2	73.2	74.9	79.8	79.0	1.4	2.5	42.1*	49.1*	2.3*	307
NH API	5.5	6.2	5.8	5.9	5.3	5.3	5.8	5.9	5.3	5.6	5.7	5.5	5.5	5.3	5.5	5.2	5.6	5.7	0.0	0.0	2.9	NA	-0.3	16
NH blacks	28.6	28.6	28.2	25.8	26.4	24.9	23.3	22.0	22.5	21.6	21.1	20.6	20.8	20.1	20.7	19.9	19.7	19.6	-0.5	-0.2	-31.4*	NA	-2.4*	(1,698)
NH whites Hispanics	17.6 24.9	17.8 24.5	18.2 23.8	18.4 23.9	18.5 23.6	18.2 21.9	18.3	18.6 21.6	19.0	19.5	19.8	20.2	20.8	21.3	21.7	22.1	22.9	22.6	0.3 -0.2	-0.1	28.8* -13.5*	NA NA	-0.8*	5,463 (659)
Endocrine, nutrition						21.9	21.7	21.0	22.0	22.1	21.0	21.5	21.9	22.5	21.5	22.2	21.0	21.0	-0.2	-0.1	-13.3	INA	-0.8	(639)
NH AIAN	31.9	26.9	27.8	30.7	31.8	30.1	32.3	32.0	27.7	27.9	29.5	32.8	34.5	34.5	33.5	36.6	37.5	39.4	0.4	1.0	23.5*	46.3*	1.5*	105
NH API	6.0	5.9	6.3	5.9	6.3	6.1	6.2	6.5	6.4	6.0	6.3	5.8	5.9	6.4	6.5	6.2	6.3	6.8	0.1	0.2	15.1	NA	0.4	89
NH blacks	33.3	32.1	32.6	33.7	33.3	32.0	32.2	31.8	30.9	28.6	28.5	28.5	29.7	28.6	29.8	30.7	31.8	32.2	-0.1	0.5	-3.5	12.9*	-0.2	(146)
NH whites	12.7	13.3	13.5	14.0	14.1	13.9	14.2	14.2	13.9	13.9	14.0	13.7	14.7	14.4	14.9	15.4	16.0	16.1	0.2	0.3	26.4*	NA	1.4*	3,590
Hispanics	16.2	16.2	16.1	16.0	16.7	14.8	15.7	14.3	14.1	13.9	13.3	13.3	13.2	13.4	13.6	13.7	13.6	14.4	-0.1	0.2	-11.3*	8.9*	-1.0*	(326)
Mental and behavio) 	l	1				l	l	l	1		l	l	T	T			l			_
NH AIAN NH API	17.7 0.7	0.9	16.6	14.7	18.4	18.4	17.5	18.9	13.3	13.7	12.1	11.7 0.9	13.1	14.6	13.8	17.9 1.1	17.7	17.7	0.0	0.9	-0.1 68.8	51.8* NA	0.9 2.3	41
NH blacks	9.8	9.3	9.7	9.1	9.0	8.5	8.5	9.3	6.9	6.0	5.8	5.9	5.7	5.7	6.0	6.0	5.9	6.5	-0.2	0.1	-33.6*	14.5*	-2.6*	(605)
NH whites	4.6	4.8	5.0	5.3	5.6	6.0	6.1	6.5	5.1	5.1	4.9	5.3	5.5	5.8	6.0	6.3	6.7	7.4	0.2	0.4	61.1*	51.0*	2.7*	2,996
Hispanics	5.5	5.1	4.9	5.2	5.2	4.8	5.5	5.4	3.7	3.5	3.3	3.3	3.2	3.3	3.8	3.6	3.6	3.9	-0.1	0.1	-29.1*	22.0*	-1.8	(312)
Diseases of the nerv	ous sys	tem (G0	0-G98)																					
NH AIAN	5.5	5.9	7.2	5.4	5.8	7.3	8.5	7.5	7.7	8.4	9.2	7.6	9.2	7.7	9.9	9.5	11.0	10.9	0.3	0.4	99.8*	19.5*	3.7*	70
NH API	2.2	2.3	2.2	2.3	2.3	1.9	2.4	2.3	2.2	2.7	2.3	2.5	2.3	2.7	3.1	2.7	2.9	2.8	0.0	0.1	27.6	47.5*	1.7*	55
NH blacks	10.2	10.5	10.6	10.6	11.1	10.7	11.2	11.2	11.0	11.3	11.6	11.0	11.0	11.9	11.6	12.6	12.3	12.2	0.1	0.2	20.4*	NA	1.0*	399
NH whites Hispanics	7.1	7.6 4.2	7.6 3.9	7.8 4.3	7.9 4.6	7.9 4.3	8.3 4.5	8.3 4.5	4.6	8.6 4.5	8.8 4.6	8.8 4.5	8.8 4.6	8.9 4.5	9.3 5.0	9.3	9.5 5.2	9.8 5.2	0.2	0.2	38.9* 40.4*	NA NA	1.6*	2,955 336
Diseases of the genit					4.0	4.3	→.3	+.3	7.0	4.3	4.0	4.3	→. ∪	7.3	٥.٥	4.0	J.Z	J.2	0.1	0.1	70.4	IVA	4.7	330
NH AIAN	8.1	8.7	10.5	9.2	9.1	8.2	7.5	9.4	8.3	9.7	8.7	8.6	7.3	7.7	8.5	10.5	10.1	10.4	0.1	0.6	29.0*	42.5*	0.4	30
NH API	2.4	2.3	2.8	2.5	2.1	2.2	2.4	2.4	2.3	2.5	2.2	2.3	2.0	2.1	2.3	2.1	2.3	2.3	0.0	0.1	-7.9	NA	-0.7	(14)
NH blacks	14.7	15.2	15.5	15.5	16.4	16.2	15.6	15.5	15.1	14.9	14.3	14.3	12.9	13.2	13.0	12.7	13.6	13.8	-0.1	0.2	-6.1	8.1*	-0.4	(193)
NH whites	3.4	3.5	3.6	3.7	3.9	3.9	3.9	4.1	4.0	4.0	4.1	4.1	3.8	3.9	4.0	4.1	4.4	4.6	0.1	0.1	35.7*	18.9*	1.8*	1,278
Hispanics	4.7	4.4	4.5	4.6	4.9	4.8	4.7	5.0	4.8	5.1	5.2	4.8	4.2	4.4	4.2	4.2	4.4	4.7	0.0	0.1	-0.8	NA	0.2	(5)
Congenital malform					_	_		_	_			4.0	115	4.5	4.5	4 -	4.5	2.2					NI 6	
NH AIAN NH API	UR 0.6	UR 0.6	UR 0.6	UR 0.7	UR 0.6	UR 0.5	1.7 0.5	UR 0.5	UR 0.6	UR 0.6	UR 0.6	1.6	UR 0.4	1.5	0.4	1.5 0.4	1.6 0.6	2.3 0.5	NA 0.0	0.2	-18 8	NA NA	-1.4*	10
NH blacks	1.6	1.7	1.6	1.8	1.6	1.4	1.5	1.6	1.6	1.2	1.3	0.6 1.4	1.4	0.6 1.2	1.5	1.4	1.5	1.5	0.0	0.0	-18.8 -3.6	NA 28.0*	-1.4*	(8)
NH whites	1.6	1.6	1.6	1.7	1.7	1.6	1.6	1.5	1.6	1.5	1.5	1.5	1.5	1.5	1.6	1.7	1.8	1.8	0.0	0.1	9.2	21.4*	0.5	160
Hispanics	1.1	1.0	0.9	1.0	1.0	0.9	1.0	0.9	0.8	1.0	0.9	0.7	0.8	0.9	0.8	0.8	0.9	0.9	0.0	0.0	-21.1	NA	-1.3*	(43)
Diseases of the bloo	d and i	mmune	mecha	nism (D	50-D89)																		
NH AIAN	UR	UR	UR	1.9	2.3	UR	UR	2.0	UR	1.6	UR	2.3	UR	2.3	UR	1.8	2.2	1.9	NA	NA	NA	NA	NA	5
NH API	0.8	0.7	0.8	0.8	0.7	0.6	0.5	0.7	0.5	0.8	0.6	0.7	0.7	0.6	0.5	0.6	0.8	0.7	0.0	0.0	-11.6	NA	-0.8	(4)
NH blacks	7.3	7.6	7.6	7.5	7.5	7.1	7.0	6.8	6.3	6.2	6.1	5.7	6.0	5.8	5.6	5.6	5.4	5.6	-0.1	-0.1	-22.7*	NA	-1.7*	(325)

NH whites	1.0	1.1	1.1	1.2	1.1	1.1	1.1	1.0	1.1	1.1	1.1	1.0	1.2	1.2	1.1	1.2	1.2	1.2	0.0	0.0	14.7*	NA	0.5*	161
Hispanics	1.2	1.3	1.2	1.2	1.2	1.1	1.1	1.1	0.9	1.0	1.1	1.0	0.9	0.9	1.1	1.2	1.0	1.0	0.0	0.0	-16.3	NA	-0.9	(38)
Diseases of the skin	and sub	cutane	ous tiss	sue (LOC)-L98)																			
NH AIAN	UR	UR	UR	UR	UR	UR	UR	UR	UR	UR	UR	UR	UR	UR	1.4	1.4	UR	1.9	NA	NA	NA	NA	NA	-
NH API	UR	UR	UR	UR	UR	UR	UR	0.3	UR	UR	UR	UR	0.3	0.3	0.2	0.2	UR	0.3	NA	NA	NA	NA	NA	(5)
NH blacks	1.4	1.2	1.3	1.5	1.6	1.4	1.3	1.1	1.2	1.1	1.2	1.1	1.1	1.2	1.1	1.0	1.2	1.1	0.0	0.0	-18.2	NA	-1.5*	(47)
NH whites	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.5	0.4	0.4	0.5	0.5	0.5	0.4	0.5	0.5	0.5	0.5	0.0	0.0	65.0*	NA	2.6*	227
Hispanics	0.3	0.4	0.5	0.4	0.6	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.4	0.4	0.4	0.4	0.0	0.0	47.4	NA	-0.5	27
Pregnancy, childbirt	h and t	he puer	perium	(000-0	99)																			
NH AIAN	UR	UR	UR	UR	UR	UR	UR	UR	UR	UR	UR	UR	UR	UR	UR	UR	UR	UR	NA	NA	NA	NA	NA	NA
NH API	UR	UR	UR	UR	0.3	0.3	0.4	0.5	0.4	0.3	0.3	0.4	0.4	0.3	0.4	0.4	0.4	0.4	NA	0.1	NA	NA	NA	16
NH blacks	0.6	0.6	0.6	0.6	0.8	0.9	1.0	1.0	0.9	1.0	1.1	1.1	1.2	1.4	1.5	1.5	1.5	1.6	0.1	0.3	167.9*	NA	6.4*	192
NH whites	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.3	0.4	0.3	0.4	0.4	0.5	0.5	0.5	0.6	0.0	0.1	411.0*	NA	12.2*	482
Hispanics	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.5	0.4	0.3	0.5	0.5	0.5	0.5	0.5	0.0	0.2	101.5*	106.3*	3.3*	60
Symptoms, signs and	d abnor	mal clir	nical an	d labor	atory fi	ndings,	not els	ewhere	classifi	ed (R00)-R99)													
NH AIAN	5.7	7.4	8.1	8.5	6.9	5.5	6.0	4.8	6.7	7.8	5.3	6.4	6.7	8.0	7.4	8.0	5.8	7.6	0.1	0.2	32.5	NA	0.3	23
NH API	1.5	2.4	3.1	1.3	1.2	1.3	1.2	1.3	1.0	1.2	1.5	1.0	1.2	1.3	1.2	1.4	1.1	1.3	0.0	0.0	-17.2	NA	-2.6*	(25)
NH blacks	10.3	11.2	10.4	10.0	9.9	7.8	8.6	6.7	7.1	8.1	9.2	6.3	5.7	6.2	5.7	5.7	5.9	6.4	-0.2	0.1	-37.4*	12.2*	-3.9*	(722)
NH whites	4.5	6.3	6.7	5.4	5.6	4.6	5.2	4.3	3.9	5.0	6.0	4.0	4.0	4.4	4.4	4.2	4.4	4.5	0.0	0.1	-0.4	15.4*	-1.7*	(50)
Hispanics	3.0	6.3	6.3	3.4	3.1	3.2	3.2	2.7	2.9	3.2	3.0	2.3	2.1	2.5	2.5	2.5	2.7	3.1	0.0	0.2	6.5	51.2*	-3.4*	9

[†] Average year-to-year changes (from 1999 to 2016) in absolute mortality rates (deaths per 100,000). See text for more details.

Notes: Nadirs (mortality rates significantly below 2016 rates) are underlined and bolded. See text for methods for calculating average year-to-year increases and excess deaths. No statistically significant increases by race-ethnicity were reported at the broad categorical level for neoplasms (C00-D48), infectious and parasitic diseases (A00-B99), and diseases of the musculoskeletal system and connective tissue (M00-M99). Data were suppressed (unreliable) by race-ethnicity for diseases of the eye and adnexa (H00-H57), diseases of the ear and mastoid process (H60-H93), certain conditions originating in the perinatal period (P00-P96), and codes for special purposes (U00-U99).

[‡] AAPC = average annual percent change, based on joinpoint analysis (see Methods). See Table S8 for complete jointpoint data (including relevant APC values for each segment) and the Joinpoint Chartbook for displays of the fitted model by cause of death and racial-ethnic group.

^{*} Statistically significant changes in mortality (p < 0.05)

NA = Not applicable; data were inadequate for calculation

UR = Unreliable data; fewer than 20 deaths from the specified cause of death in the given year and racial-ethnic group.

TABLE S	: MO	RTAI	LITY I	RATE	S FRO	ЭМ Е	XTEF	RNAL	CAU	SES (CON	IPLET	TE LIS	ST), A	GES	25-6	4 YE	ARS, :	1999-201	6, BY RAC	E-ETHNICI	TY		
																				Changes	in mortality	rates		
	1999	2000	2001	2002	2003	2004	2002	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	year-to-ye	absolute ar changes 0,000)†	Proporti	onal (%) cha	inges	
																			1999-2016	2012-2016	2016 vs 1999	2016 vs nadir	AAPC	Excess deaths
Accidental drug poisoning (X40-X44)																								
NH AIAN	7.0	6.7	8.1	10.6	13.6	15.5	17.1	17.8	18.0	20.5	24.9	23.4	24.8	28.0	27.0	31.0	32.7	35.9	1.70	2.22	411.4*	NA	10.9*	370
NH API	0.9	0.9	0.8	1.0	1.2	1.3	1.5	1.6	1.7	1.6	1.6	1.7	2.1	2.4	2.5	2.5	3.1	3.6	0.16	0.30	300.6*	NA	8.2*	258
NH blacks	10.2	10.0	10.4	11.4	11.4	11.8	13.8	16.3	14.1	12.1	11.9	<u>11.6</u>	12.9	12.9	14.5	15.5	18.1	25.5	0.90	2.51	149.6*	119.1*	5.8*	3,187
NH whites	6.2	6.8	7.7	10.1	11.4	12.6	14.2	16.7	18.1	18.7	19.2	20.3	22.4	22.4	24.0	26.3	30.1	37.0	1.81	2.91	494.3*	NA	11.1*	33,003
Hispanics	7.9	6.6	6.2	7.4	7.8	7.1	8.0	9.1	8.4	8.2	8.2	<u>7.8</u>	8.7	9.0	9.6	9.8	11.2	14.3	0.37	1.11	80.0*	83.3*	4.3*	1,777
Accidental alcohol poisoning (X45)																								
NH AIAN	2.2	UR	UR	UR	UR	UR	UR	2.1	4.6	7.6	8.2	9.3	9.1	9.8	9.7	9.8	9.9	10.2	NA	0.21	366.6*	NA	NA	104
NH API	UR	UR	UR	UR	UR	UR	UR	UR	UR	0.3	0.2	0.3	0.3	0.3	0.4	0.2	0.2	0.3	NA	0.02	NA	NA	NA	7
NH blacks	0.2	0.2	0.2	0.3	0.2	0.1	<u>0.1</u>	0.2	0.5	0.7	8.0	0.8	0.7	0.8	0.8	0.9	0.9	0.8	0.03	0.02	242.0*	461.5*	7.6	116
NH whites	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.7	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.06	0.01	674.5*	NA	12.3*	1,146
Hispanics	0.3	0.2	0.2	0.3	0.2	0.2	0.3	0.2	0.9	1.1	1.1	1.2	1.2	1.1	1.2	1.2	1.3	1.2	0.06	0.00	354.0*	657.7*	10.5*	224
Suicide (X60-X84)																								
NH AIAN	14.9	15.5	17.2	16.8	16.6	20.4	18.6	18.6	18.6	18.5	19.3	20.6	21.4	21.7	23.6	24.0	25.8	28.4	0.80	1.40	91.2*	NA	3.5*	176
NH API	7.2	6.4	<u>6.0</u>	6.3	6.4	6.9	6.2	6.4	7.0	6.7	7.2	7.7	7.5	7.9	7.5	7.3	7.3	7.8	0.03	0.04	7.4	29.7*	0.7	73
NH blacks	7.2	7.1	7.2	7.3	7.1	7.2	7.1	7.0	7.0	<u>7.0</u>	7.1	7.4	7.5	7.8	7.6	7.5	7.6	8.2	0.06	0.14	13.7*	17.7*	0.6*	213
NH whites	15.6	15.7	16.6	17.3	17.4	17.7	17.7	18.4	19.2	20.0	20.4	21.1	21.6	22.1	22.1	22.7	23.5	23.3	0.45	0.35	49.4*	NA	2.5*	8,300
Hispanics	7.1	7.0	7.0	7.1	6.9	7.2	6.9	<u>6.7</u>	7.7	7.0	7.3	7.3	7.2	7.3	7.2	8.0	7.7	8.6	0.09	0.29	21.9*	28.9*	1.2*	426
Homicide (X85-Y09)																								
NH AIAN	13.5	10.3	<u>9.3</u>	12.0	10.0	9.9	11.0	11.6	10.1	11.8	11.1	12.0	11.7	11.9	11.9	12.2	13.4	14.5	0.06	0.56	7.6*	55.3*	1.2*	19
NH API	3.4	3.6	3.1	3.2	3.0	2.8	2.9	2.9	2.5	2.0	2.3	2.2	2.2	2.3	1.9	1.9	1.8	2.1	-0.07	-0.02	-37.5*	NA	-3.7*	(101)
NH blacks	22.8	23.6	23.7	25.1	25.1	24.5	25.6	26.2	25.5	23.4	22.2	21.8	21.9	23.2	22.9	<u>21.7</u>	25.5	27.6	0.29	1.15	21.4*	27.2*	1.1	1,005
NH whites	3.5	3.4	3.6	3.5	3.3	3.4	3.3	3.3	3.5	3.6	3.2	<u>3.1</u>	3.2	3.3	3.1	3.1	3.4	3.8	0.01	0.11	7.2*	21.8*	0.4	267
Hispanics	8.4	8.4	8.1	8.1	8.3	7.8	8.2	7.9	7.5	7.2	6.7	6.0	5.6	5.7	<u>5.3</u>	5.4	5.8	6.4	-0.12	0.16	-23.5*	22.0*	-1.6*	(408)
Accidental falls, drowning, fire (W00-W	/19, W	65-W	74, X0	0-X09)																			
NH AIAN	8.3	9.2	8.2	9.8	9.0	8.8	9.6	8.0	8.1	<u>7.8</u>	8.4	8.9	8.6	11.0	10.6	10.7	9.8	11.6	0.19	0.59	39.3	49.0*	1.3	43
NH API	1.9	2.0	2.0	1.8	1.9	1.9	1.9	2.3	2.3	1.8	1.9	1.9	2.0	2.0	2.2	2.1	1.8	2.0	0.01	-0.01	5.1	NA	0.2	5
NH blacks	5.6	5.4	5.5	5.0	5.0	5.3	4.9	4.7	4.6	4.3	4.6	4.3	4.4	4.1	4.1	4.0	4.1	4.3	-0.08	-0.02	-24.0*	NA	-1.9*	(249)
NH whites	3.7	3.8	3.8	3.9	4.0	4.1	4.2	4.2	4.3	4.2	4.2	4.4	4.2	4.2	4.3	4.4	4.3	4.4	0.04	0.03	19.4*	NA	1.0*	768
Hispanics	3.4	3.3	3.6	3.6	3.6	3.5	3.5	3.8	3.5	3.4	3.2	3.2	3.4	3.0	3.1	3.1	3.2	3.4	0.00	0.00	1.7	NA	-0.3	11

Pedestrian, cyclist, and motorcycle injur	ry in tı	ranspo	ort ac	cident	(V01-	-V29)																		
NH AIAN	9.7	8.7	9.6	10.0	10.1	9.9	10.7	12.3	10.7	10.9	9.6	9.0	9.7	11.9	10.2	9.7	11.6	11.8	0.14	0.42	21.4	NA	0.8	28
NH API	1.7	1.8	1.6	1.9	1.5	1.9	2.0	1.9	1.8	1.6	<u>1.4</u>	1.7	1.5	1.6	1.7	1.7	1.7	2.1	0.03	0.13	28.2	54.3*	0.3	46
NH blacks	5.4	5.5	5.5	5.4	5.6	5.8	6.0	6.0	6.1	5.7	5.1	<u>4.9</u>	5.1	5.5	5.7	5.5	6.4	6.6	0.06	0.31	23.7*	36.5*	1.2	203
NH whites	3.4	3.5	3.8	4.0	4.1	4.4	4.6	4.9	4.8	4.9	4.4	4.3	4.4	4.7	4.3	4.3	4.7	5.1	0.09	0.14	50.1*	NA	2.4*	1,404
Hispanics	4.6	4.5	4.9	4.6	5.0	4.6	4.7	4.9	4.6	4.4	<u>3.8</u>	3.9	4.0	4.3	4.3	4.1	4.4	4.9	0.02	0.20	7.5	30.7*	0.1	114
NH AIAN	13.4	14.5	13.2	15.5	14.8	13.4	15.3	16.8	15.0	13.0	13.4	12.2	14.8	13.5	13.2	15.7	16.1	15.0	0.09	0.04	11.9	NA	0.2	20
NH API	3.2	2.9	2.7	2.3	2.7	2.5	2.3	2.0	2.0	2.1	1.9	1.7	1.8	1.6	1.8	1.8	1.8	1.9	-0.08	0.02	-42.7*	NA	-2.7*	(100)
NH blacks	6.4	6.7	6.1	5.3	5.8	5.7	5.5	6.2	5.7	5.4	5.8	5.7	<u>5.2</u>	5.8	6.3	6.4	6.9	7.5	0.07	0.45	17.7*	42.8*	1.1	264
NH whites	6.7	6.8	6.5	6.1	5.9	6.3	6.5	6.6	6.5	6.3	<u>5.9</u>	6.2	5.9	6.5	6.6	6.6	7.0	7.2	0.03	0.27	7.8*	23.5*	0.2	561
Hispanics	5.4	5.5	5.4	4.0	4.4	4.2	4.2	4.9	5.0	4.5	3.7	3.8	<u>3.4</u>	3.9	4.3	4.4	4.8	5.1	-0.02	0.34	-5.5	49.1*	0.4	32

[†] Average year-to-year changes (from 1999 to 2016) in absolute mortality rates (deaths per 100,000). See text for more details.

Notes: Nadirs (mortality rates significantly below 2016 rates) are underlined and bolded. See text for methods for calculating average year-to-year increases and excess deaths.

[‡] AAPC = average annual percent change, based on joinpoint analysis (see Methods). See Table S8 for complete jointpoint data (including relevant APC values for each segment) and the Joinpoint Chartbook for displays of the fitted model by cause of death and racial-ethnic group.

^{*} Statistically significant changes in mortality (p < 0.05)

NA = Not applicable; data were inadequate for calculation

UR = Unreliable data; fewer than 20 deaths from the specified cause of death in the given year and racial-ethnic group.

					TA	BLE S6: M	ORTALITY	RATES FOR	R ORGAN I	DISEASES (COMPLETE	LIST), AGE	S 25-64 YE	EARS 1999-	-2016, BY F	RACE-ETHN	IICITY							
										Ī		,							(hanges in	mortalit	y rates	\Box	
																			Average	absolute				l
																			year-t		Prop	ortional	(%)	i
	6661	2000	2001	2002	2003	2004	2005	2006	2007	2008	5009	2010	2011	2012	2013	2014	2015	2016	change		(hanges		1
	16	22	20	72	72	70	70	70	20	2	72	20	20	72	50	70	70	2	100,0	000)†				ı
																			1999- 2016	2012- 2016	2016 vs 1999	2016 vs nadir	AAPC	Excess deaths
Hypertensiv	e diseases (I	10-115)												L	L	L	L							
NH AIAN	3.9	4.3	4.1	4.1	7.3	7.7	7.2	8.1	7.7	8.0	9.5	10.1	9.3	9.5	12.4	13.5	13.8	14.3	0.61	1.01	269.3*	NA	7.8*	134
NH API	3.1	2.6	3.3	3.1	2.9	3.4	3.4	3.3	3.0	3.2	3.0	3.2	3.0	3.0	3.3	3.8	3.7	4.0	0.05	0.19	28.3*	51.9*	1.2*	93
NH blacks	24.7	25.1	25.4	26.7	28.4	28.0	26.8	26.9	26.6	27.4	28.0	26.9	26.5	27.3	27.4	27.7	28.2	28.5	0.23	0.40	15.5*	NA	0.7*	725
NH whites	3.8	4.0	4.3	4.8	5.2	5.3	5.5	5.8	5.8	6.4	6.6	6.6	7.0	7.2	7.7	8.2	8.4	8.8	0.29	0.36	129.8*	NA	5.1*	5,318
Hispanics	4.7	4.9	5.2	5.9	6.0	5.7	5.8	5.8	6.0	6.1	6.2	6.1	5.6	6.0	6.2	6.3	6.5	6.6	0.11	0.21	40.6*	NA	1.9*	410
Arhythmias,	heart failure	e, and other	forms of hea	art disease (I	130-151)									L	L	L	L							
NH AIAN	15.7	15.7	16.3	14.9	18.2	16.0	17.2	17.4	17.5	17.4	17.1	17.4	16.1	16.2	17.6	15.7	20.5	20.1	0.26	0.79	27.7	34.9*	0.9*	57
NH API	6.4	6.3	5.7	6.3	5.1	5.5	6.1	5.4	4.9	5.1	5.2	4.9	4.9	5.3	5.7	5.6	5.3	5.1	-0.08	0.03	-20.5*	NA	-1.0*	(102)
NH blacks	37.7	35.6	35.8	35.4	35.0	33.7	33.8	32.6	32.4	31.7	30.9	30.1	28.3	29.0	30.2	30.3	31.2	32.2	-0.32	0.78	-14.5*	13.8*	-0.9*	(948)
NH whites	14.2	13.8	13.7	13.8	13.6	13.3	13.4	13.4	13.2	13.0	13.1	13.3	13.4	13.3	13.8	14.1	14.6	15.0	0.05	0.33	6.0*	15.6*	0.4*	916
Hispanics	9.4	8.8	8.4	8.3	9.0	8.0	8.1	8.1	8.1	7.6	8.0	7.9	8.0	7.6	8.0	8.0	7.8	8.2	-0.07	0.05	-12.7*	NA	-0.7*	(187)
Pulmonary h	neart disease	(126-128)												ı	ı	ı	ı							
NH AIAN	2.8	2.0	2.1	1.9	3.2	2.2	2.6	2.7	2.3	1.9	2.2	2.5	2.7	1.8	1.8	2.4	2.4	2.9	0.00	0.03	2.4	NA	-0.1	2
NH API	0.8	0.8	0.8	0.5	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.7	0.4	0.5	0.7	-0.01	0.04	-16.8	NA	-2.0*	(5)
NH blacks	6.3	5.9	6.0	5.9	6.0	5.5	5.6	5.2	4.7	4.7	5.3	5.1	5.1	5.3	5.1	5.2	5.5	5.5	-0.05	0.09	-12.3	17.9*	-0.8*	(126)
NH whites	2.5	2.6	2.6	2.6	2.6	2.4	2.4	2.2	2.1	2.2	2.2	2.2	2.2	2.2	2.4	2.3	2.5	2.5	0.01	0.06	3.6	19.7*	0.0	93
Hispanics	1.4	1.5	1.4	1.4	1.4	1.4	1.2	1.2	1.1	1.1	1.2	1.0	1.1	1.0	1.0	1.1	1.2	1.2	-0.01	0.02	-13.5	NA	-0.9	(28)
Diseases of	eins, lymph	atic vessels a	and lymph n	odes (180-189	9)																			
NH AIAN	UR	UR	UR	UR	UR	UR	UR	UR	UR	UR	UR	UR	UR	UR	UR	UR	UR	UR	NA	NA	NA	NA	NA	NA
NH API	UR	UR	UR	UR	UR	UR	UR	UR	UR	UR	UR	UR	UR	UR	UR	UR	UR	2.3	NA	NA	NA	NA	NA	NA
NH blacks	1.5	2.1	2.0	2.2	2.2	2.3	2.2	1.9	2.0	2.0	1.9	2.1	2.2	1.8	2.3	2.3	2.1	2.3	0.05	0.02	51.9*	NA	0.7	146
NH whites	0.7	0.9	0.8	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.9	0.9	1.0	1.0	1.0	0.9	0.9	1.0	0.02	0.01	51.5*	NA	1.3*	376
Hispanics	0.6	0.7	0.5	0.6	0.7	0.7	0.8	0.5	0.6	0.6	0.6	0.7	0.6	0.7	0.5	0.6	0.5	0.5	-0.01	-0.01	-17.7*	NA	-0.8	(32)
-	er disease (K																					l		
NH AIAN	29.3	27.3	27.6	28.7	29.8	27.6	29.3	28.9	33.6	34.9	32.5	39.3	38.8	41.4	44.7	44.5	50.3	48.6	1.14	1.96	65.9*	78.0*	3.5*	254
NH API	1.2	1.6	1.4	1.5	1.2	1.3	1.5	1.6	1.6	1.6	1.8	1.4	1.8	1.4	1.7	1.8	2.0	2.0	0.04	0.04	62.9*	NA	2.0*	68
NH blacks	7.7	7.2	6.8	5.8	5.8	5.4	5.1	4.3	4.9	4.8	4.5	4.7	5.0	4.6	4.9	5.0	5.3	5.2	-0.14	0.04	-31.6*	20.4*	-2.3*	(418)
NH whites	5.8	5.9	5.9	5.8	5.9	6.0	6.0	6.1	6.8	6.9	7.0	7.3	7.6	7.9	8.2	8.5	9.2	9.4	0.21	0.37	62.4*	63.0*	2.9*	3,901
Hispanics	10.4	10.7	10.3	9.6	9.4	8.7	8.7	8.9	9.3	9.1	9.1	9.2	9.4	9.3	9.1	9.9	10.2	10.4	0.00	0.21	0.6	20.3*	-0.2	131
Liver cancer																								
NH AIAN	3.2	4.6	4.1	3.5	4.9	5.5	4.2	4.3	5.7	5.4	5.5	5.4	5.7	6.4	7.6	5.7	7.4	6.8	0.21	0.22	115.1*	NA	4.0*	45
NH API	8.2	7.7	6.8	7.3	6.7	6.9	6.3	6.3	6.3	5.8	5.9	5.7	6.4	6.1	6.0	5.7	5.6	5.4	-0.16	-0.21	-34.0*	NA	-2.0*	(225)
NH blacks	4.8	5.4	5.4	5.4	5.9	5.9	6.5	6.6	6.5	7.0	7.5	7.7	7.7	7.6	7.7	7.6	7.2	7.2	0.14	-0.10	49.5*	NA	2.2*	430
NH whites	2.2	2.4	2.4	2.6	2.7	2.8	3.0	3.0	3.2	3.4	3.6	3.7	4.0	4.1	4.1	4.1	4.2	4.0	0.11	0.01	80.0*	NA	3.7*	1,931
Hispanics	4.0	4.2	4.4	4.5	4.9	5.0	5.4	5.1	5.0	5.3	5.5	5.3	5.7	5.9	6.1	5.5	5.4	5.6	0.10	-0.01	41.8*	NA	2.2*	333
Pancreatic c														1	1									
NH AIAN	3.2	4.2	2.8	4.1	4.0	5.5	4.0	3.5	4.4	3.9	4.4	5.4	4.4	5.0	4.4	4.1	4.5	4.9	0.11	0.11	56.7	NA	1.8*	22
NH API	3.4	2.7	3.0	3.1	3.3	3.5	3.4	3.1	3.0	2.9	3.0	2.8	3.2	3.1	2.8	2.8	2.9	3.3	-0.01	0.03	-2.7	NA	-0.4	8
NH blacks	8.1	7.6	7.3	7.6	7.9	7.7	7.6	7.6	7.6	7.6	7.4	7.2	7.1	7.5	7.3	7.4	7.6	7.8	-0.01	0.15	-3.1	10.6*	-0.2	(29)
NH whites	5.3	5.3	5.3	5.2	5.1	5.3	5.4	5.4	5.4	5.4	5.5	5.6	5.4	5.5	5.4	5.6	5.5	5.5	0.01	0.03	3.3	7.6*	0.3*	188
Hispanics	3.7	3.6	3.7	3.7	3.8	3.7	4.0	3.7	3.6	3.8	3.7	3.8	3.8	3.9	3.7	3.9	3.9	3.8	0.01	0.01	2.6	NA	0.3*	24
Chronic low					1 3.0							0	3.0					1 3.0	1					

NH API 2 NH blacks 13. NH whites 11. Hispanics 4 Lung diseases due t NH AIAN NH API UB NH API UB NH whites 0.8 Hispanics 0.4 Diabetes mellitus (BIA) 28 NH AIAN 28 NH API 5 NH blacks 27 NH whites 9.3 Hispanics 14 Obesity (E65-E68) NH AIAN UB NH API UB	4.1 3. te to external a UR UI UR UI 1.6 1. 0.8 0. 0.4 0. s (E10-E14) 28.6 23 5.1 4. 27.1 25 9.3 9. 14.3 14	2.5 2.7 3.4 12.4 1.0 11.2 3.7 3.7 agents (J60-J70) JR UR JR UR JR UR 3.5 1.4 0.9 0.9 0.6 0.6 3.1 23.1 0.9 5.2 5.6 26.1 0.5 9.7	9.4 2.1 12.4 10.9 3.7 UR UR 1.4 0.9 0.5 26.6 4.8 26.3	12.4 2.2 12.0 11.1 3.5 UR UR 1.6 1.0 0.5	10.5 1.7 11.5 10.5 3.3 UR 0.3 1.5 0.9 0.5	10.7 1.7 11.9 11.1 3.3 UR UR 1.5 1.0 0.5	9.9 1.7 11.1 10.6 3.0 UR UR 1.3 1.0	11.5 1.7 10.6 10.7 2.9 UR UR 1.4 0.9	12.2 1.8 11.3 11.4 3.1 UR 0.2 1.4	11.0 1.5 11.0 11.4 3.0 1.7 UR 1.4	11.6 1.4 10.8 11.1 3.2 1.9 0.2	10.9 1.7 10.8 11.5 2.9	11.8 1.6 11.0 11.5 2.8	10.8 1.8 11.5 11.8 3.1	11.6 1.6 11.3 12.0 2.7	13.5 1.4 11.3 12.2 2.9	12.3 1.5 11.7 12.3 3.1	0.17 -0.07 -0.12 0.04 -0.06	0.28 -0.03 0.17 0.17 0.04	30.9 -44.2* -14.7* 6.6* -24.8* NA	NA NA 9.5* 17.1* NA NA	1.4* -3.6* -1.0* 0.5* -1.8* NA	36 (91) (339) 835 (183) 6
NH blacks	13.7 13 11.5 11 4.1 3. 12 to external a UR UI UR UI 1.6 1. 0.8 0. 0.4 0. 13 (E10-E14) 28.6 23 5.1 4. 27.1 25 9.3 9. 14.3 14	3.4 12.4 1.0 11.2 1.7 3.7 agents (J60-J70) JR UR JR UR 1.5 1.4 0.9 0.9 0.6 0.6 3.1 23.1 1.9 5.2 5.6 26.1 1.5 9.7	12.4 10.9 3.7 UR UR 1.4 0.9 0.5	12.0 11.1 3.5 UR UR 1.6 1.0 0.5	11.5 10.5 3.3 UR 0.3 1.5 0.9 0.5	11.9 11.1 3.3 UR UR 1.5 1.0	11.1 10.6 3.0 UR UR 1.3 1.0	10.6 10.7 2.9 UR UR UR	11.3 11.4 3.1 UR 0.2 1.4	11.0 11.4 3.0 1.7 UR	10.8 11.1 3.2	10.8 11.5 2.9	11.0 11.5 2.8	11.5 11.8 3.1	11.3 12.0 2.7	11.3 12.2 2.9	11.7 12.3 3.1	-0.12 0.04 -0.06	0.17 0.17 0.04	-14.7* 6.6* -24.8*	9.5* 17.1* NA	-1.0* 0.5* -1.8*	(339) 835 (183)
NH whites	11.5 11 4.1 3. 10 to external a UR UI UR UI 1.6 1. 0.8 0. 0.4 0. 15 (E10-E14) 28.6 23 5.1 4. 27.1 25 9.3 9. 14.3 14	1.0 11.2 1.7 3.7 3.7 3.7 3.7 3.7 3.7 3.7 3.7 3.7 3	10.9 3.7 UR UR 1.4 0.9 0.5	11.1 3.5 UR UR 1.6 1.0 0.5	10.5 3.3 UR 0.3 1.5 0.9 0.5	11.1 3.3 UR UR UR 1.5 1.0	10.6 3.0 UR UR 1.3 1.0	10.7 2.9 UR UR 1.4	11.4 3.1 UR 0.2 1.4	11.4 3.0 1.7 UR	11.1 3.2 1.9	11.5 2.9 UR	11.5 2.8	11.8 3.1	12.0 2.7	12.2 2.9	12.3 3.1	0.04 -0.06	0.17 0.04 NA	6.6* -24.8*	17.1* NA	0.5* -1.8*	835 (183)
Hispanics	4.1 3. te to external a UR UI UR UI 1.6 1. 0.8 0. 0.4 0. s (E10-E14) 28.6 23 5.1 4. 27.1 25 9.3 9. 14.3 14	3.7 3.7 agents (J60-J70) JR UR JR UR JR 0.9 0.9 0.6 0.6 3.1 23.1 0.9 5.2 5.6 26.1 0.5 9.7	3.7 UR UR 1.4 0.9 0.5 26.6 4.8	3.5 UR UR 1.6 1.0 0.5 27.9 5.0	3.3 UR 0.3 1.5 0.9 0.5	3.3 UR UR 1.5 1.0 0.5	3.0 UR UR 1.3 1.0	2.9 UR UR 1.4	3.1 UR 0.2 1.4	3.0 1.7 UR	3.2 1.9	2.9 UR	2.8	3.1	2.7	2.9	3.1	-0.06	0.04 NA	-24.8* NA	NA NA	-1.8*	(183)
Lung diseases due t NH AIAN UR NH API UR NH Blacks 1.6 NH whites 0.8 Hispanics 0.6 Diabetes mellitus (E NH AIAN NH API 5. NH blacks 27. NH whites 9.3 Hispanics 14. Obesity (E65-E68) NH AIAN UF NH API UF	ue to external a UR UI UR UI 1.6 1. 0.8 0. 0.4 0. s (E10-E14) 28.6 23 5.1 4. 27.1 25 9.3 9. 14.3 14	agents (J60-J70) JR UR JR UR JR 0.9 0.9 0.6 0.6 3.1 23.1 1.9 5.2 5.6 26.1 1.5 9.7	UR UR 1.4 0.9 0.5	UR UR 1.6 1.0 0.5	UR 0.3 1.5 0.9 0.5	UR UR 1.5 1.0 0.5	UR UR 1.3 1.0	UR UR 1.4	UR 0.2 1.4	1.7 UR	1.9	UR							NA	NA	NA	NA	6
NH AIAN UF NH API UB NH API UB NH blacks 1.6 NH whites 0.8 Hispanics 0.6 NH AIAN 28 NH API 5. NH blacks 27 NH whites 9.3 Hispanics 14 Obesity (E65-E68) NH AIAN UF NH API UF	UR UIR UR UI 1.6 1. 0.8 0. 0.4 0. s (E10-E14) 28.6 23 5.1 4. 27.1 25 9.3 9. 14.3 14	JR UR JR UR JR 0.9 0.9 0.6 0.6 3.1 23.1 1.9 5.2 5.6 26.1 1.5 9.7	UR 1.4 0.9 0.5 26.6 4.8	UR 1.6 1.0 0.5 27.9 5.0	0.3 1.5 0.9 0.5	UR 1.5 1.0 0.5	UR 1.3 1.0	UR 1.4	0.2 1.4	UR			1.7	UR	1.9	2,2	2.1	NA		-		 	
NH API	UR UI 1.6 1. 0.8 0. 0.4 0. s (E10-E14) 28.6 23 5.1 4. 27.1 25 9.3 9. 14.3 14	UR UR5 1.49 0.96 0.6 31 23.19 5.2 5.6 26.15 9.7	UR 1.4 0.9 0.5 26.6 4.8	UR 1.6 1.0 0.5 27.9 5.0	0.3 1.5 0.9 0.5	UR 1.5 1.0 0.5	UR 1.3 1.0	UR 1.4	0.2 1.4	UR			1.7	UR	1.9	2.2	2.1	NA		-		 	
NH blacks 1.6 NH whites 0.3 Hispanics 0.4 Diabetes mellitus (E NH AIAN NH API 5.3 NH blacks 27. NH whites 9.3 Hispanics 14. Obesity (E65-E68) NH AIAN UF NH API UF	1.6 1. 0.8 0. 0.4 0. s (E10-E14) 28.6 23 5.1 4. 27.1 25 9.3 9. 14.3 14	1.5 1.4 1.9 0.9 0.9 1.6 0.6 3.1 23.1 1.9 5.2 5.6 26.1 1.5 9.7	1.4 0.9 0.5	1.6 1.0 0.5 27.9 5.0	1.5 0.9 0.5	1.5 1.0 0.5	1.3	1.4	1.4		0.2	0.3								NA	NA	NA	16
NH whites 0.8 Hispanics 0.4 Diabetes mellitus (E NH AIAN NH AIAN 28 NH API 5.3 NH blacks 27 NH whites 9.3 Hispanics 14 Obesity (E65-E68) NH AIAN UF NH API UF	0.8 0. 0.4 0. s (E10-E14) 28.6 23 5.1 4. 27.1 25 9.3 9. 14.3 14	0.9 0.9 0.6 0.6 3.1 23.1 6.9 5.2 5.6 26.1 0.5 9.7	0.9 0.5 26.6 4.8	1.0 0.5 27.9 5.0	0.9 0.5 25.8	1.0	1.0			1 4		0.2	0.3	0.4	0.3	0.3	0.4	NA	0.03				
Hispanics	0.4 0. s (E10-E14) 28.6 23 5.1 4. 27.1 25 9.3 9. 14.3 14	0.6 0.6 3.1 23.1 3.9 5.2 5.6 26.1 0.5 9.7	0.5 26.6 4.8	0.5 27.9 5.0	0.5 25.8	0.5		0.9		4.7	1.2	1.4	1.4	1.5	1.5	1.5	1.6	0.00	0.05	-1.1	30.1*	0.1	4
Diabetes mellitus (t NH AIAN 28. NH API 5. NH blacks 27. NH whites 9. Hispanics 14. Obesity (E65-E68) NH AIAN NH API UF	s (E10-E14) 28.6 23 5.1 4. 27.1 25 9.3 9. 14.3 14	3.1 23.1 1.9 5.2 5.6 26.1 0.5 9.7	26.6 4.8	27.9 5.0	25.8		0.5		1.0	1.0	1.0	1.1	1.1	1.2	1.2	1.3	1.3	0.03	0.04	60.3*	NA	2.4*	542
NH AIAN 28. NH API 5. NH blacks 27. NH whites 9. Hispanics 14. Obesity (E65-E68) NH AIAN NH API UF	28.6 23 5.1 4. 27.1 25 9.3 9. 14.3 14	1.9 5.2 5.6 26.1 0.5 9.7	4.8	5.0		25.8		0.5	0.5	0.5	0.6	0.5	0.6	0.6	0.6	0.6	0.7	0.01	0.03	57.4	NA	1.2*	53
NH API 5.3 NH blacks 27. NH whites 9.3 Hispanics 14. Obesity (E65-E68) NH AIAN UF NH API UF	5.1 4. 27.1 25 9.3 9. 14.3 14	1.9 5.2 5.6 26.1 0.5 9.7	4.8	5.0		25.8	Diabetes mellitus (E10-E14)																
NH API 5.3 NH blacks 27. NH whites 9.3 Hispanics 14. Obesity (E65-E68) NH AIAN UF NH API UF	5.1 4. 27.1 25 9.3 9. 14.3 14	1.9 5.2 5.6 26.1 0.5 9.7	4.8	5.0			26.1	22.6	22.4	22.5	25.3	27.6	26.7	26.8	27.8	29.1	30.9	0.13	0.66	7.9	37.7*	0.9	38
NH blacks 27. NH whites 9.3 Hispanics 14. Obesity (E65-E68) NH AIAN UF NH API UF	27.1 25 9.3 9. 14.3 14	5.6 26.1 0.5 9.7			5.0	5.1	5.3	5.0	4.8	4.8	4.6	4.6	5.0	5.0	4.9	4.8	5.3	0.01	0.13	2.5	NA	-0.2	24
NH whites 9.3 Hispanics 14. Obesity (E65-E68) NH AIAN UF NH API UF	9.3 9. 14.3 14	9.7	20.0	26.5	24.7	24.7	24.5	23.4	21.2	21.2	21.1	21.9	21.0	21.7	21.6	22.3	22.4	-0.28	0.10	-17.3*	7.0*	-1.1	(852)
Hispanics 14. Obesity (E65-E68) NH AIAN UF NH API UF	14.3 14		9.8	9.9	9.7	9.7	9.6	9.3	9.2	9.1	8.9	9.6	9.2	9.5	9.8	10.2	10.1	0.05	0.11	8.9*	14.2*	0.5*	879
Obesity (E65-E68) NH AIAN UF NH API UF		4.1 14.0	13.8	14.3	12.7	13.4	11.6	11.7	11.3	10.6	10.5	10.3	10.5	10.7	10.7	10.8	11.1	-0.18	0.16	-22.0*	NA	-1.5*	(629)
NH AIAN UF	,	4.1 14.0	15.0	14.5	12.7	15.4	11.0	11.7	11.5	10.0	10.5	10.5	10.5	10.7	10.7	10.0	11.1	0.10	0.10	ZZ.O			(023)
NH API UF	UR UI	JR 1.9	1.8	1.9	2.0	3.2	2.5	2.6	3.4	4.0	4.3	3.5	4.3	4.0	4.8	4.3	4.1	NA	0.11	NA	NA	NA	27
—			UR	0.3	UR	UR	0.4	0.3	0.3	0.4	0.4	0.3	0.2	0.4	0.3	0.5	0.4	NA NA	0.11	NA NA	NA	NA	6
		2.8 3.0				3.8								3.9						120.7*	NA NA	 	545
— ——	1.2 1.		3.3	3.1	3.6		3.6	3.7	3.7	3.6	3.7	4.1	3.8		4.7	4.9	5.1	0.16	0.20	-		4.8*	
 			1.7	1.8	1.8	2.0	2.0	2.0	2.0	2.2	2.2	2.3	2.4	2.4	2.5	2.7	2.7	0.09	0.08	124.6*	NA	_	1,616
	Hispanics 0.8 0.8 0.9 1.0 1.1 1.0 1.0 1.3 1.2 1.3 1.3 1.3 1.3 1.4 1.5 1.4 1.6 0.05 0.07 106.6* NA 3.8* 19															193							
Metabolic disorders				1	ı	I .	1					l .					. 1					T	
—		2.0 1.9	1.8	UR	UR	2.4	3.0	1.8	1.8	2.1	2.6	2.4	2.9	2.2	3.4	3.5	3.4	NA	0.21	NA	NA	NA	11
-		0.6 0.7	0.6	0.9	0.6	0.7	0.7	0.8	0.8	0.8	0.6	0.9	0.9	0.9	0.8	0.7	0.8	0.02	0.00	48.4	NA	2.0*	22
		2.5 2.4	2.7	2.6	2.5	2.6	2.5	2.7	2.6	2.7	2.6	2.8	2.8	2.9	3.2	3.4	3.5	0.06	0.13	43.2*	47.2*	2.0*	216
			2.0	2.0	2.0	2.1	2.1	2.1	2.2	2.2	2.2	2.3	2.3	2.4	2.5	2.6	2.5	0.05	0.05	46.2*	NA	2.2*	858
		0.9 1.0	0.9	1.0	0.8	1.0	1.0	0.9	1.0	1.0	1.1	1.2	1.3	1.1	1.2	1.2	1.3	0.03	0.02	60.0*	NA	-0.8	110
Renal failure (N17-I	.7-N19)					•	•	1	•		1	1					,						
NH AIAN 6.0	6.0 6.	5.6 8.4	7.2	7.0	6.5	6.4	7.7	6.4	8.1	6.9	6.4	5.6	5.5	6.4	7.2	6.8	7.4	0.08	0.36	23.3	NA	-0.3	17
NH API 1.9	1.9 1.	7 2.2	2.0	1.6	1.8	1.7	1.8	1.7	1.8	1.7	1.8	1.4	1.5	1.7	1.7	1.8	1.7	-0.01	0.05	-10.8	NA	-0.9*	(16)
NH blacks 12.	12.3 13	3.0 13.2	13.2	14.0	13.9	13.3	13.1	12.6	12.3	11.8	11.5	11.1	11.1	10.8	10.6	11.2	11.3	-0.06	0.04	-8.4*	NA	-0.6*	(225)
NH whites 2.4	2.4 2.	2.7 2.8	2.8	2.9	3.0	2.9	3.0	2.9	3.0	3.0	3.0	2.9	2.8	2.9	2.9	3.1	3.2	0.05	0.08	33.7*	13.5*	1.6*	865
Hispanics 3.6	3.6 3.	3.5	3.8	4.1	3.9	3.8	3.9	3.7	4.0	4.1	3.8	3.3	3.5	3.3	3.3	3.4	3.7	0.01	0.08	2.9	NA	-0.1	22
Intestinal, tubercule	culosis, zoonoti	tic and other ba	terial, sexuall	y transmitted	d, spirochaet	al, chlamydia	al, rickettsial	l, central ner	vous system	, arthropod-	borne, viral	hemorrhagio	diseases (A	00-A99)									
NH AIAN 8.0	8.0 7.	7.9 7.3	8.3	9.9	9.1	8.3	9.4	9.8	9.1	8.9	9.1	10.7	8.7	11.2	11.1	11.2	10.1	0.13	-0.12	26.6	NA	1.9*	26
NH API 2.2	2.2 2.	2.0	2.2	2.3	2.4	1.8	2.1	2.1	2.1	2.2	2.0	2.3	2.0	2.1	2.1	2.3	2.2	0.00	-0.02	0.0	NA	0.1	6
NH blacks 12.	12.2 12	2.5 12.5	12.5	12.7	12.3	12.0	12.3	11.9	12.0	11.7	11.0	10.9	10.5	11.0	10.6	11.2	11.5	-0.04	0.12	-5.8	8.9*	-0.6	(134)
NH whites 3.7	3.7 3.	3.9	4.2	4.3	4.4	4.4	4.3	4.6	4.8	4.9	4.7	5.0	5.0	5.3	5.5	5.6	5.7	0.12	0.14	53.9*	NA	2.4*	2,149
Hispanics 3.8	3.8 3.	3.7 3.7	3.7	3.9	4.0	3.9	4.0	3.8	3.9	4.6	4.1	4.3	4.4	4.1	4.5	4.2	4.1	0.02	-0.03	8.1	NA	1.0*	65
Viral hepatitis (B15	15-B19)							ı			ı	ı											
NH AIAN 2.3	2.3 4.	1.5 3.4	4.0	4.5	4.2	3.6	6.1	6.5	5.8	6.6	5.5	5.5	6.1	6.9	6.0	5.2	4.8	0.15	-0.12	112.1*	NA	3.7*	29
NH API 2.7	2.7 3.	3.2 2.2	2.2	1.6	1.5	1.4	2.0	1.8	1.7	1.5	1.6	1.7	1.5	1.3	1.4	0.8	1.0	-0.10	-0.14	-64.4*	NA	-5.0*	(149)
NH blacks 3.4	3.4 3.	3.8 4.0	4.0	3.9	3.9	3.7	4.5	4.2	4.3	4.1	3.9	4.0	3.8	3.6	3.4	3.0	2.3	-0.07	-0.34	-33.4*	NA	-2.6*	(269)
NH whites 1.8	1.8 2.	2.1 2.2	2.4	2.3	2.3	2.3	2.9	3.0	3.0	3.1	2.9	2.9	2.9	2.8	2.8	2.5	2.0	0.02	-0.18	14.3*	NA	0.5	275
	3.8 4.	1.1 4.5	4.1	3.6	3.6	3.8	5.2	4.9	5.0	4.4	4.4	4.3	4.3	4.0	3.4				-0.36	-35.2*	NA	-2.4*	(429)

 $^{^\}dagger \text{ Average year-to-year changes (from 1999 to 2016) in absolute mortality rates (deaths per 100,000). See text for more details.}$

[‡] AAPC = average annual percent change, based on joinpoint analysis (see Methods). See Table S8 for complete jointpoint data (including relevant APC values for each segment) and the Joinpoint Chartbook for displays of the fitted model by cause of death and racial-ethnic group.

* Statistically significant changes in mortality (p < 0.05)

NA = Not applicable; data were inadequate for calculation

UR = Unreliable data; fewer than 20 deaths from the specified cause of death in the given year and racial-ethnic group.

Notes: Nadirs (mortality rates significantly below 2016 rates) are underlined and bolded. See text for methods for calculating average year-to-year increases and excess deaths. See Table S4 for data on mental and neurologic disorders.

POPULATION COUNTS

NH AIAN	1113901	1153524	1163639	1177990	1191091	1206481	1222947	1240569	1257653	1275568	1292267	1305000	1321909	1331083	1341390	1354145	1367725	1382239
NH API	6105344	6354702	6733095	7029318	7311631	7598836	7897582	8202921	8489069	8762777	9017656	9201040	9477611	9815121	10107361	10532411	10932171	11115806
NH blacks	16999288	17226565	17521576	17776524	18017965	18321119	18635226	18965114	19280761	19578626	19874806	20104215	20397485	20627062	20852311	21168905	21483586	21753829
NH whites	105547575	105772008	106147193	106468658	106713073	107110016	107556206	108018235	108299657	108342914	108470953	108602705	108715096	108062690	107626908	107252241	107020536	106675849
Hispanics	15844820	16486088	17449334	18233331	18993140	19765613	20589625	21428413	22250926	23057584	23828159	24411039	25286694	25844725	26453270	27258367	27988947	28469499

				TA	ABLE S7: N	/ORTALIT	Y RATES FO	OR MENTA	AL AND NI	UROLOG	IC DISORD	ERS (COM	PLETE LIS	T), AGES 2	25-64 YEA	RS, 1999-2	2016, BY R	ACE-ETHI	NICITY											
																		Changes in mortality rates												
	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	Average absolute to-year changes 100,000)†	anges (per	per Proportional (%)		changes							
																			1999-2016	2012-2016	2016 vs 1999	2016 vs nadir	AAPC	Excess deaths						
Mental and b	ehavioral	disorders d	ue to psych	oactive sul	bstance use	e (F10-F19)	1		ı	ı	1				ı	•	•	•		T										
NH AIAN	17.3	14.0	16.0	13.8	17.9	17.8	16.7	18.1	12.2	13.4	11.7	<u>10.7</u>	12.3	14.0	13.0	17.2	16.9	17.3	0.00	1.02	0.2	61.8*	1.1	-						
NH API	0.6	0.6	0.7	0.9	0.9	0.9	1.0	1.2	0.7	0.6	0.7	<u>0.5</u>	0.7	0.8	0.8	0.9	0.9	0.8	0.01	0.03	39.2	73.1*	2.7	3						
NH blacks	9.0	8.5	8.7	8.3	8.0	7.5	7.5	7.8	5.4	4.6	4.6	4.4	4.2	<u>4.0</u>	4.3	4.4	4.3	4.9	-0.24	0.13	-45.1*	23.3*	-3.9*	(311)						
NH whites	4.0	4.1	4.3	4.6	4.9	5.2	5.3	5.5	4.0	3.9	<u>3.8</u>	4.1	4.3	4.5	4.7	5.1	5.6	6.3	0.14	0.40	58.9*	66.7*	2.6*	480						
Hispanics	5.1	4.7	4.6	4.8	4.9	4.5	5.0	4.8	3.3	2.9	2.8	2.7	<u>2.6</u>	2.6	3.0	3.0	3.0	3.3	-0.11	0.15	-35.4*	28.8*	-2.5*	(1,956)						
Organic men	Organic mental disorders, including vascular dementia (F01-F09)																													
NH AIAN	UR	UR	UR	UR	UR	UR	UR	UR	UR	UR	UR	UR	UR	UR	UR	UR	UR	UR	NA	NA	NA	NA	NA	NA						
NH API	UR	UR	UR	UR	UR	UR	UR	UR	UR	0.2	UR	UR	UR	0.2	0.3	UR	UR	0.2	NA	NA	NA	NA	NA	0						
NH blacks	0.3	0.5	0.4	0.4	0.5	0.4	0.5	0.9	0.9	0.9	0.7	1.0	1.0	1.1	1.3	1.1	1.0	0.9	0.04	-0.02	215.3*	NA	6.2*	48						
NH whites	0.2	0.2	0.3	0.3	0.3	0.3	0.4	0.6	0.6	0.7	0.7	0.7	0.8	0.8	0.8	0.7	0.7	0.6	0.02	-0.03	185.9*	NA	6.1*	74						
Hispanics	0.2	0.2	0.2	0.2	0.2	UR	0.3	0.4	0.2	0.4	0.4	0.4	0.4	0.6	0.5	0.4	0.4	0.4	NA	0.01	113.9*	NA	NA	209						
Episodic and	Episodic and paroxysmal disorders, including epilepsy (G40-G47)																													
NH AIAN	UR	UR	UR	UR	UR	UR	UR	UR	UR	UR	1.7	UR	1.6	UR	1.6	1.9	1.6	2.1	NA	NA	NA	NA	NA	-						
NH API	UR	UR	UR	UR	UR	UR	UR	UR	0.3	UR	UR	0.2	UR	0.3	0.3	0.4	0.3	0.3	NA	NA	NA	NA	NA	0						
NH blacks	1.5	1.3	1.4	1.4	1.5	1.4	1.5	1.4	1.4	<u>1.2</u>	1.5	1.3	1.3	1.6	1.5	1.6	1.5	1.6	0.00	0.05	2.4	26.3*	0.5*	8						
NH whites	0.6	0.6	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.7	0.9	0.8	0.8	0.8	0.9	0.9	0.9	1.0	0.02	0.04	60.6*	NA	2.4*	74						
Hispanics	0.3	0.5	0.5	0.6	0.5	0.4	0.5	0.6	0.6	0.5	0.5	0.5	<u>0.4</u>	0.6	0.5	0.6	0.7	0.6	0.02	0.04	78.4*	46.5*	1.5*	290						
Cerebral pals	Cerebral palsy and other paralytic syndromes (G80-G83)																													
NH AIAN	UR	UR	UR	UR	UR	UR	UR	UR	UR	UR	1.6	UR	UR	UR	1.7	UR	1.5	1.3	NA	NA	NA	NA	NA	-						
NH API	UR	UR	UR	UR	UR	UR	UR	UR	UR	UR	0.2	UR	0.2	UR	UR	UR	0.2	0.2	NA	NA	NA	NA	NA	(1)						
NH blacks	0.6	0.7	0.9	1.0	0.9	0.9	1.1	1.0	1.0	1.1	1.0	1.1	1.0	0.9	1.0	1.0	1.2	1.2	0.03	0.03	93.4*	NA	3.5*	47						
NH whites	0.5	0.5	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.9	0.8	0.9	0.9	0.02	0.02	59.1*	15.3*	3.2*	62						
Hispanics	0.3	0.2	0.3	0.4	0.4	0.3	0.4	0.4	0.4	0.5	0.5	0.4	0.3	0.4	0.4	0.5	0.5	0.4	0.01	0.01	39.9	NA	2.9*	118						
Other disord	ers of the r	ervous sys	tem (G90-G	i98)																										
NH AIAN	UR	UR	2.5	UR	<u>1.7</u>	2.2	2.7	2.1	2.5	2.8	2.4	2.9	3.2	3.1	2.6	2.7	2.8	3.5	NA	0.05	NA	108.9*	NA	-						
NH API	0.6	0.6	0.8	0.7	0.6	0.5	0.7	0.8	0.6	0.8	0.7	0.7	0.6	0.8	1.1	0.8	0.8	0.9	0.01	0.05	32.8	NA	1.8*	3						
NH blacks	3.7	3.7	3.5	3.5	3.8	3.8	3.9	4.0	4.0	4.4	4.4	4.3	4.2	4.7	4.6	5.0	5.0	5.1	0.08	0.17	35.8*	NA	2.2*	126						
NH whites	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.6	1.7	1.8	1.9	1.9	1.9	2.0	2.1	2.2	2.3	2.3	0.06	0.08	78.5*	NA	3.5*	199						
Hispanics	1.0	1.1	1.1	1.0	1.1	1.2	1.2	1.1	1.3	1.2	1.3	1.4	1.3	1.3	1.5	1.4	1.6	1.5	0.03	0.03	42.0*	47.6*	2.5*	470						

[†] Average year-to-year changes (from 1999 to 2016) in absolute mortality rates (deaths per 100,000). See text for more details.

Notes: Nadirs (mortality rates significantly below 2016 rates) are underlined and bolded. See text for methods for calculating average year-to-year increases and excess deaths.

[‡] AAPC = average annual percent change, based on joinpoint analysis (see Methods). See Table S8 for complete jointpoint data (including relevant APC values for each segment) and the Joinpoint Chartbook for displays of the fitted model by cause of death and racial-ethnic group.

^{*} Statistically significant changes in mortality (p < 0.05)

NA = Not applicable; data were inadequate for calculation

UR = Unreliable data; fewer than 20 deaths from the specified cause of death in the given year and racial-ethnic group.

POPULATION COUNTS

NH AIAN	1113901	1153524	1163639	1177990	1191091	1206481	1222947	1240569	1257653	1275568	1292267	1305000	1321909	1331083	1341390	1354145	1367725	1382239
NH API	6105344	6354702	6733095	7029318	7311631	7598836	7897582	8202921	8489069	8762777	9017656	9201040	9477611	9815121	10107361	10532411	10932171	11115806
NH blacks	16999288	17226565	17521576	17776524	18017965	18321119	18635226	18965114	19280761	19578626	19874806	20104215	20397485	20627062	20852311	21168905	21483586	21753829
NH whites	105547575	105772008	106147193	106468658	106713073	107110016	107556206	108018235	108299657	108342914	108470953	108602705	108715096	108062690	107626908	107252241	107020536	106675849
Hispanics	15844820	16486088	17449334	18233331	18993140	19765613	20589625	21428413	22250926	23057584	23828159	24411039	25286694	25844725	26453270	27258367	27988947	28469499

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- Figure S5. Diseases of the respiratory system (J00-J98)
- Figure S6. Endocrine, nutritional and metabolic diseases (E00-E88)
- Figure S7. Diseases of the nervous system (G00-G98)
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- Figure S9. Diseases of the genitourinary system (N00-N98)
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Specific causes of death (presented as small panels in Figure 2 of main paper)

- Figure S18. Drug overdoses
- Figure S19. Suicides
- Figure S20. Alcoholic liver disease
- Figure S21. Hypertensive diseases
- Figure S22. Malignant neoplasm of liver and intrahepatic bile ducts
- Figure S23: Diseases of the respiratory system (see Figure S5)
- Figure S24: Mental and behavioral disorders involving psychoactive substances
- **Figure S25: Homicides**

ICD-10 codes in parentheses. *NOC* = not elsewhere classified. In this analysis, causes of death were classified into 20 broad categories. Graphs are not included for four categories with unreliable data (due to small death counts): (1) eye and adnexal diseases (ICD-10 codes H00-H57); (2) ear and mastoid diseases (H60-H93); (3) perinatal conditions (P00-P96); and (4) codes for special purposes (U00-U99).

Figure S1. All-cause mortality, US adults ages 25-64 years, 1999-2016, by race-ethnicity

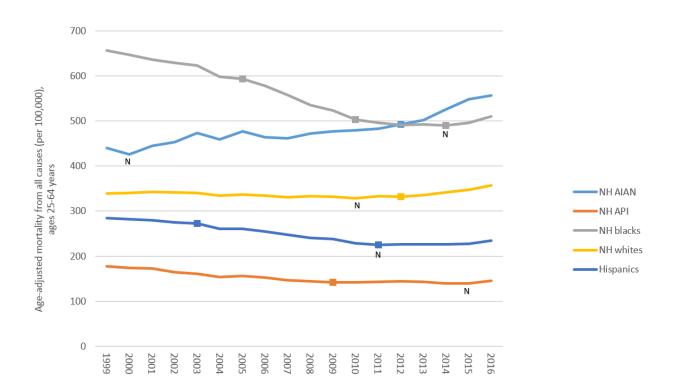


Figure S2. Age-adjusted mortality from external causes (V01-Y89), US adults ages 25-64 years, 1999-2016, by race-ethnicity

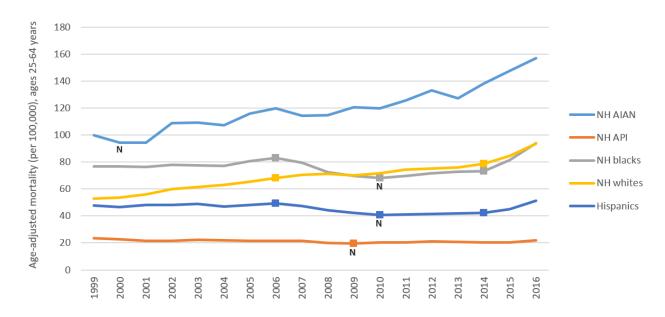


Figure S3. Age-adjusted mortality from diseases of the circulatory system (100-199), US adults ages 25-64 years, 1999-2016, by race-ethnicity

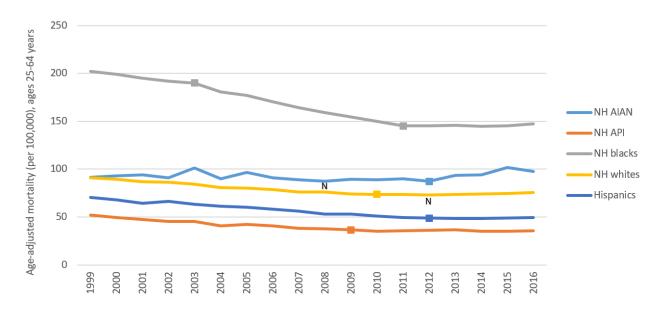


Figure S4. Age-adjusted mortality from diseases of the digestive system (K00-K92), US adults ages 25-64 years, 1999-2016, by race-ethnicity

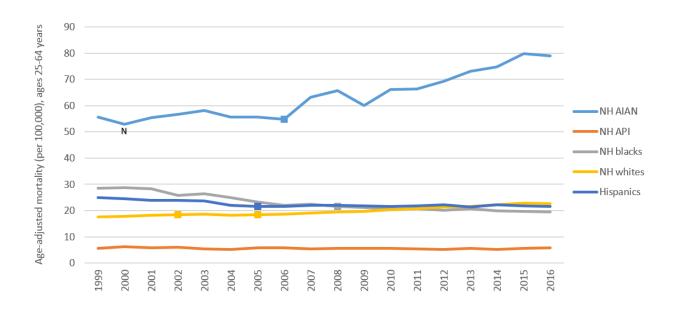


Figure S5. Age-adjusted mortality from diseases of the respiratory system (J00-J98), US adults ages 25-64 years, 1999-2016, by race-ethnicity

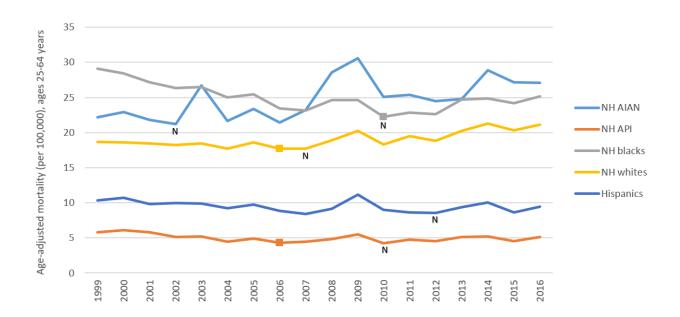


Figure S6. Age-adjusted mortality from endocrine, nutritional and metabolic diseases (E00-E88), US adults ages 25-64 years, 1999-2016, by race-ethnicity

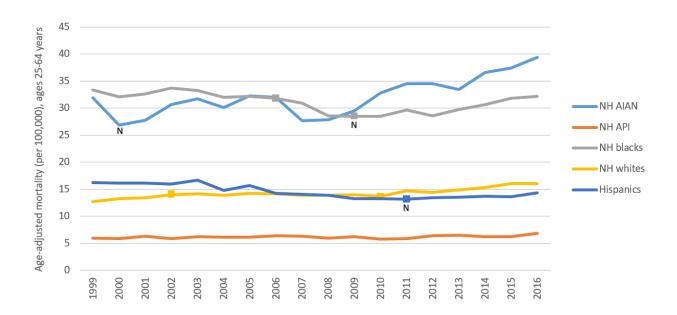


Figure S7. Age-adjusted mortality from diseases of the nervous system (G00-G98), US adults ages 25-64 years, 1999-2016, by race-ethnicity

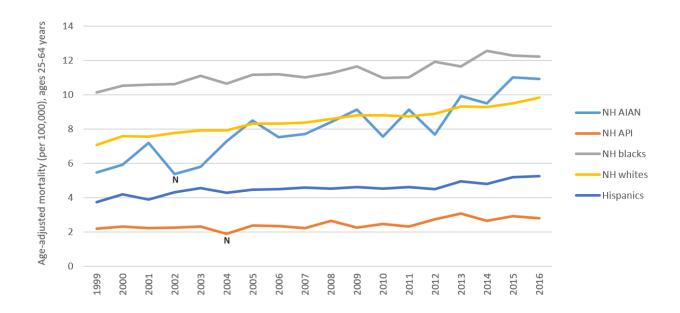


Figure S8. Age-adjusted mortality from mental and behavioral disorders (F01-F99), US adults ages 25-64 years, 1999-2016, by race-ethnicity

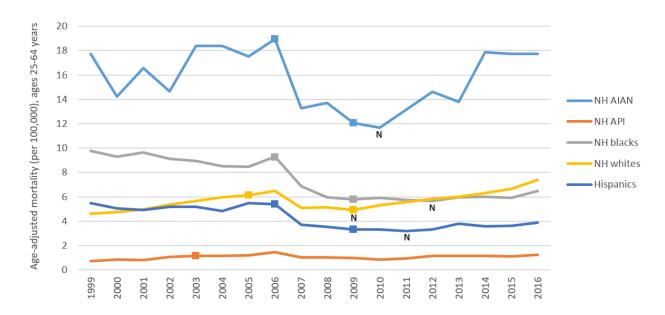


Figure S9. Age-adjusted mortality from diseases of the genitourinary system (N00-N98), US adults ages 25-64 years, 1999-2016, by race-ethnicity

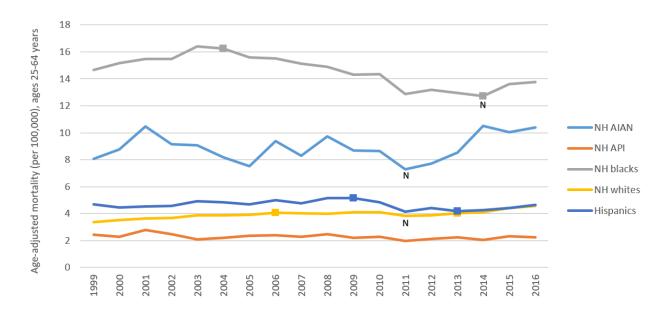
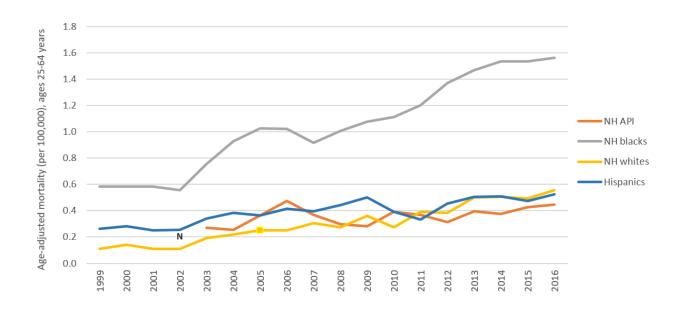
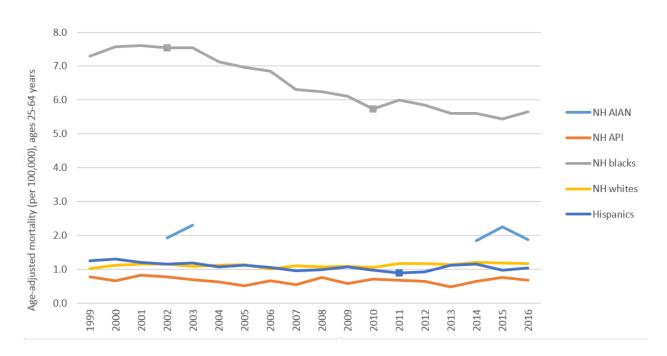


Figure S10. Age-adjusted mortality from pregnancy, childbirth and the puerperium (O00-O99), US adults ages 25-64 years, 1999-2016, by race-ethnicity



Notes: API = NH Asians and Pacific Islanders, N = nadir (all-cause mortality rate significantly less than that of 2016), NH = Non-Hispanic. Square symbols (\Box) denote *joinpoints*, points of inflection when mortality trend lines (not shown) changed significantly (p < 0.05). Data for NH API were lacking for some years due to insufficient death counts. The trend lines, plotted by Joinpoint Regression Software, are displayed in the Jointpoint Chartbook later in this supplement.

Figure S11. Age-adjusted mortality from diseases of the blood and immune mechanism (D50-D89), US adults ages 25-64 years, 1999-2016, by race-ethnicity



Notes: AIAN = Non-Hispanic American Indians and Alaskan Natives, API = NH Asians and Pacific Islanders, NH = Non-Hispanic. Square symbols (\Box) denote joinpoints, points of inflection when mortality trend lines (not shown) changed significantly (p < 0.05). Data for NH AIAN were lacking for some years due to insufficient death counts. The trend lines, plotted by Joinpoint Regression Software, are displayed in the Jointpoint Chartbook later in this supplement.

Figure S12. Age-adjusted mortality from diseases of the musculoskeletal system and connective tissue (M00-M99), US adults ages 25-64 years, 1999-2016, by race-ethnicity

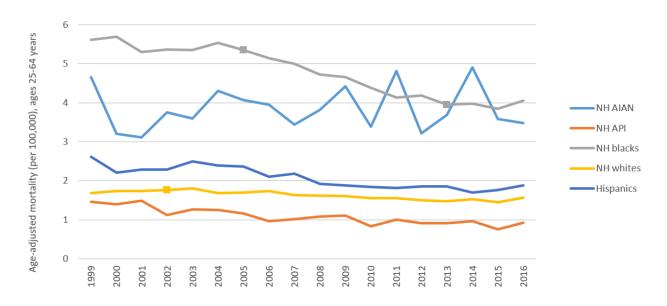


Figure S13. Age-adjusted mortality from congenital malformations, deformations and chromosomal abnormalities (Q00-Q99), US adults ages 25-64 years, 1999-2016, by race-ethnicity

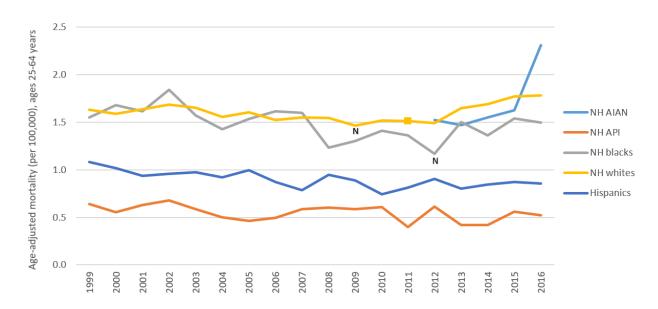


Figure S14. Age-adjusted mortality from infectious and parasitic diseases (A00-B99), US adults ages 25-64 years, 1999-2016, by race-ethnicity

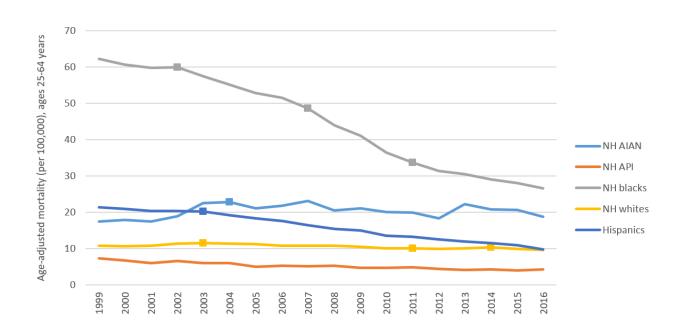


Figure S15. Age-adjusted mortality from neoplasms (C00-D48), US adults ages 25-64 years, 1999-2016, by race-ethnicity

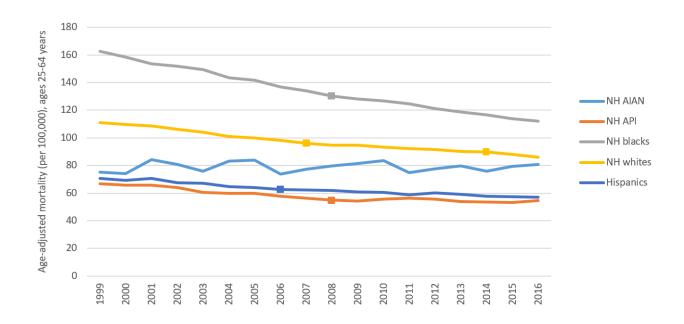
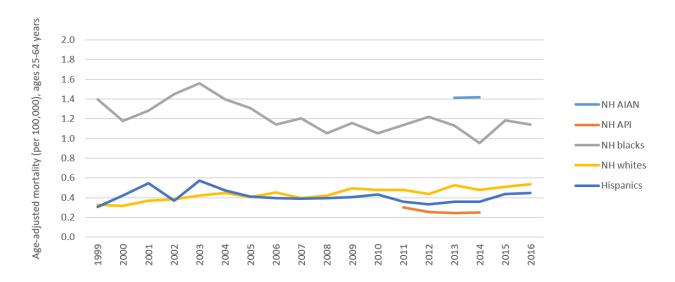


Figure S16. Age-adjusted mortality from diseases of the skin and subcutaneous tissue (L00-L98), US adults ages 25-64 years, 1999-2016, by race-ethnicity



Notes: *AIAN* = Non-Hispanic American Indians and Alaskan Natives, *API* = NH Asians and Pacific Islanders, *NH* = Non-Hispanic. Data for NH AIAN and API were lacking for some years due to insufficient death counts. The trend lines, plotted by Joinpoint Regression Software, are displayed in the Jointpoint Chartbook later in this supplement.

Figure S17. Age-adjusted mortality from symptoms, signs, and abnormal clinical and laboratory findings, not elsewhere classified (R00-R99), US adults ages 25-64 years, 1999-2016, by race-ethnicity

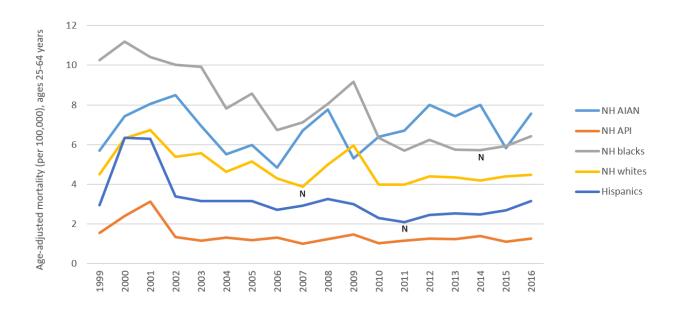


Figure S18. Age-adjusted mortality from accidental drug overdoses (X40-X44), US adults ages 25-64 years, 1999-2016, by race-ethnicity

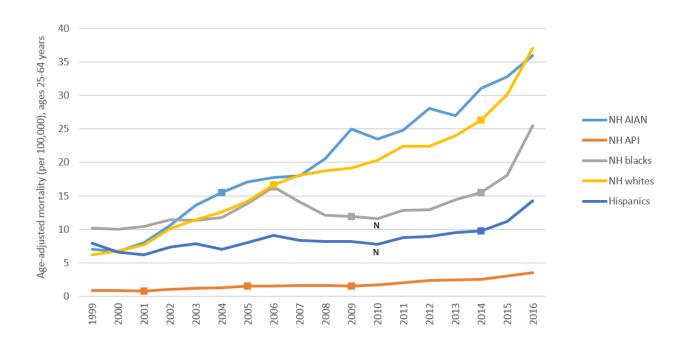


Figure S19. Age-adjusted mortality from suicides (X60-X84), US adults ages 25-64 years, 1999-2016, by race-ethnicity

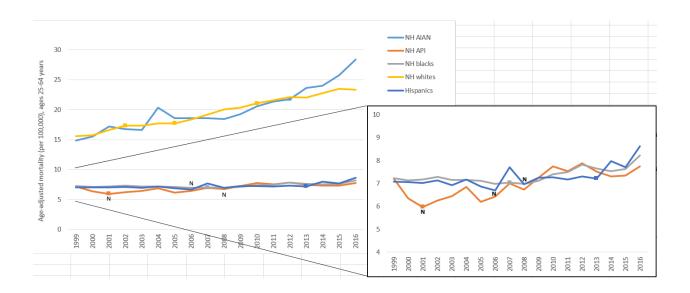


Figure S20. Age-adjusted mortality from alcoholic liver disease (K70), US adults ages 25-64 years, 1999-2016, by race-ethnicity

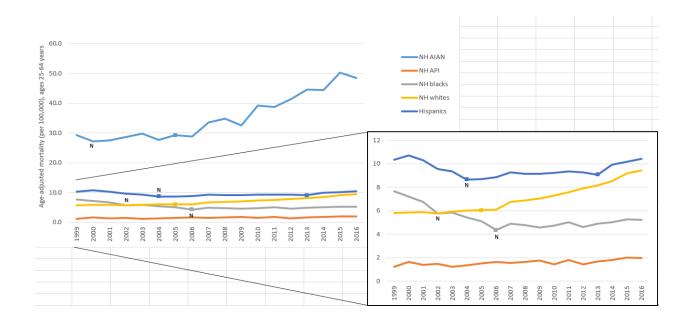


Figure S21. Age-adjusted mortality from hypertensive diseases (I10-I15), US adults ages 25-64 years, 1999-2016, by race-ethnicity

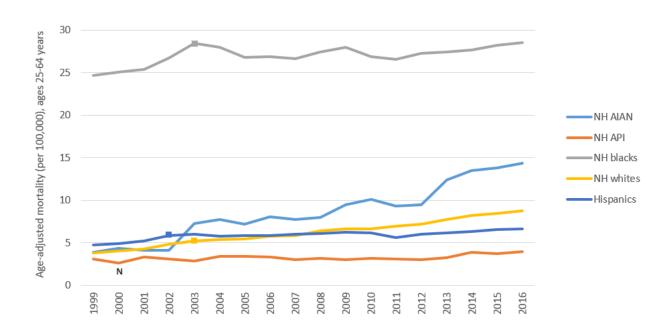


Figure S22. Age-adjusted mortality from malignant neoplasm of liver and intrahepatic bile ducts (C22), US adults ages 25-64 years, 1999-2016, by race-ethnicity

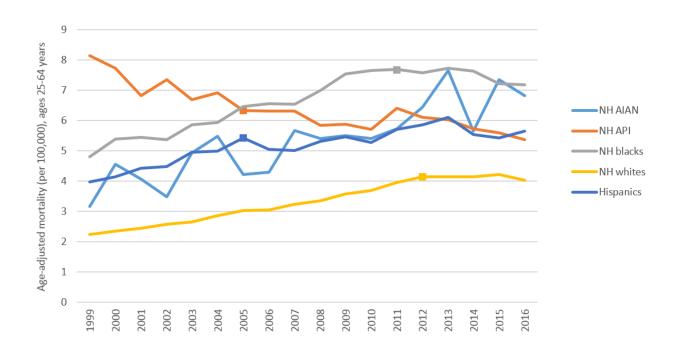


Figure S23: Diseases of the respiratory system (see Figure S4)

Figure S24. Age-adjusted mortality from mental and behavioral disorders involving psychoactive substances (F10-F19), US adults ages 25-64 years, 1999-2016, by race-ethnicity

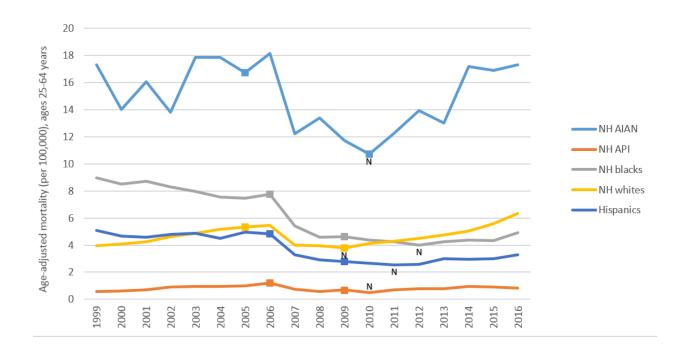
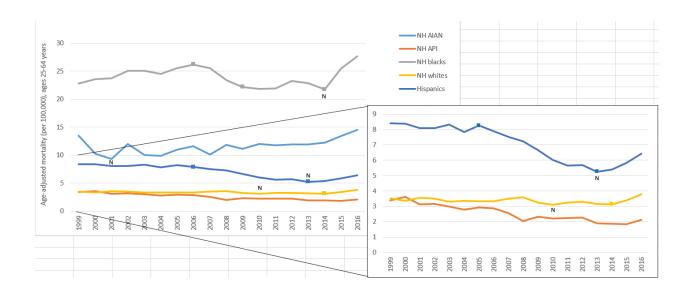


Figure S25. Age-adjusted mortality from homicides (X85-Y09), US adults ages 25-64 years, 1999-2016, by race-ethnicity



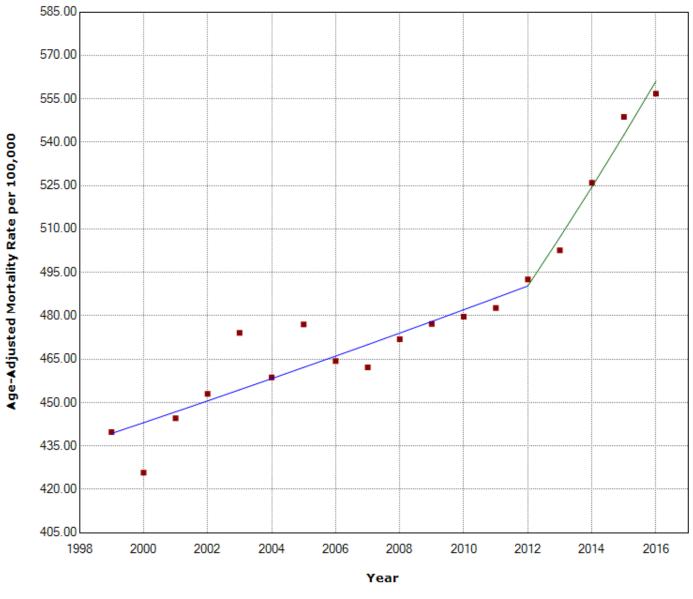
Joinpoint Chartbook

The following 241 graphs plot mortality trends for 1999-2016 as calculated by the Joinpoint Regression program. Five graphs are presented for each cause of death (except when data were insufficient), with each graph presenting results for a specific racial-ethnic group. The program used the Monte Carlo permutation method to model trend lines that best fit the 17 annual mortality rates (indicated by red dots). The legend (upper right-hand corner) presents the annual percent change (APC) for each interval, or segment. Positive values indicate an increase in mortality, negative values a decrease in mortality. The caret (^) indicates whether the slope (APC) for the segment differed significantly (p < 0.05) from zero (i.e., whether the rate increased/decreased during the interval). Green, red, and neutral shading in Tables 1-3 of the main paper are based on these results.

All-cause mortality (A00-Y89) / NH AIAN: 1 Joinpoint

Observed

1999.0-2012.0 APC = 0.85[^] 2012.0-2016.0 APC = 3.43[^]

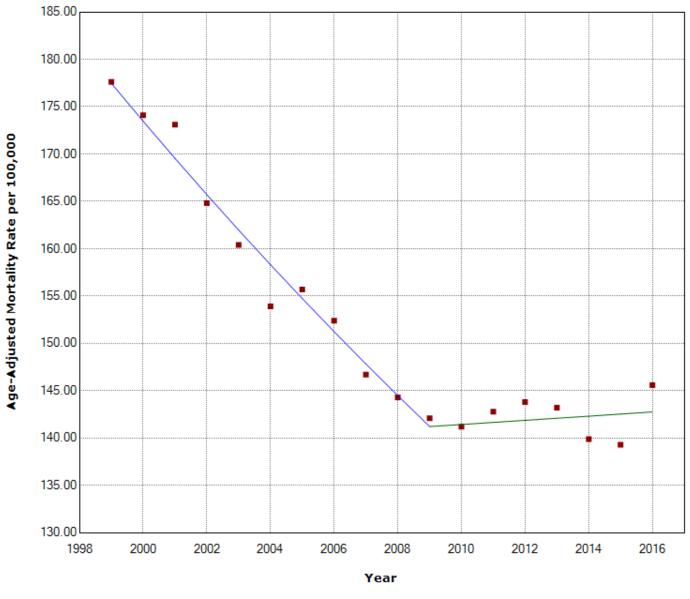


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 1 Joinpoint.

All-cause mortality (A00-Y89) / NH API: 1 Joinpoint

Observed

1999.0-2009.0 APC = -2.26[^] 2009.0-2016.0 APC = 0.15



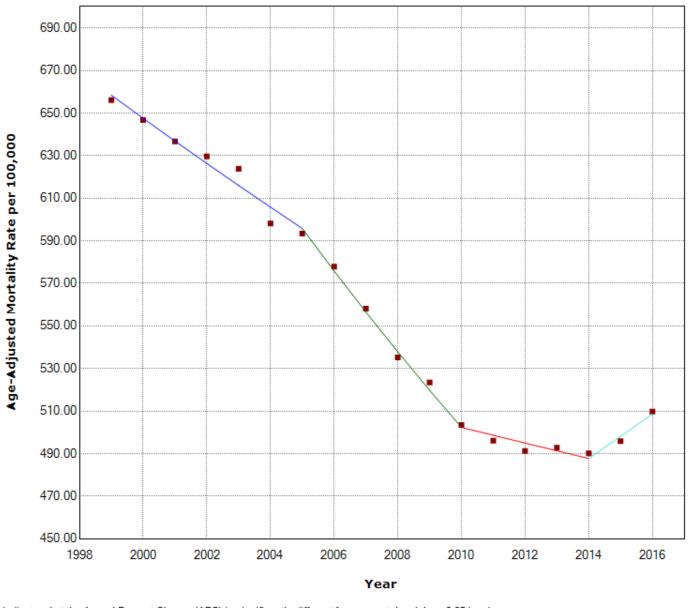
[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 1 Joinpoint.

All-cause mortality (A00-Y89) / NH Blacks: 3 Joinpoints

Observed

= 1999.0-2005.0 APC = -1.65^ = 2005.0-2010.0 APC = -3.36^ = 2010.0-2014.0 APC = -0.73

2014.0-2016.0 APC = 2.12

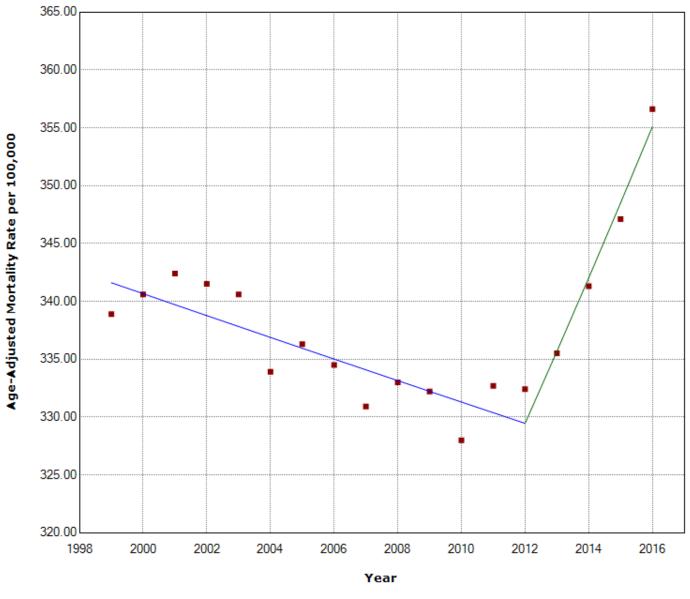


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 3 Joinpoints.

All-cause mortality (A00-Y89) / NH whites: 1 Joinpoint

Observed

1999.0-2012.0 APC = -0.28[^] 2012.0-2016.0 APC = 1.89[^]

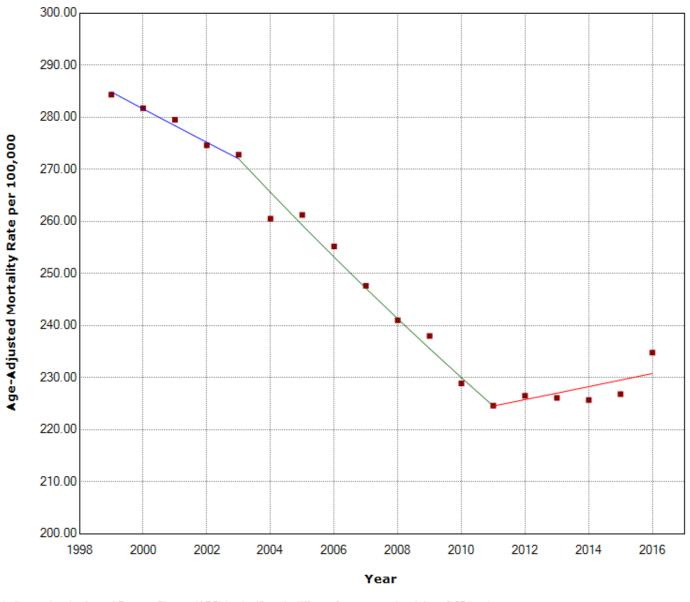


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 1 Joinpoint.

All-cause mortality (A00-Y89) / Hispanics: 2 Joinpoints

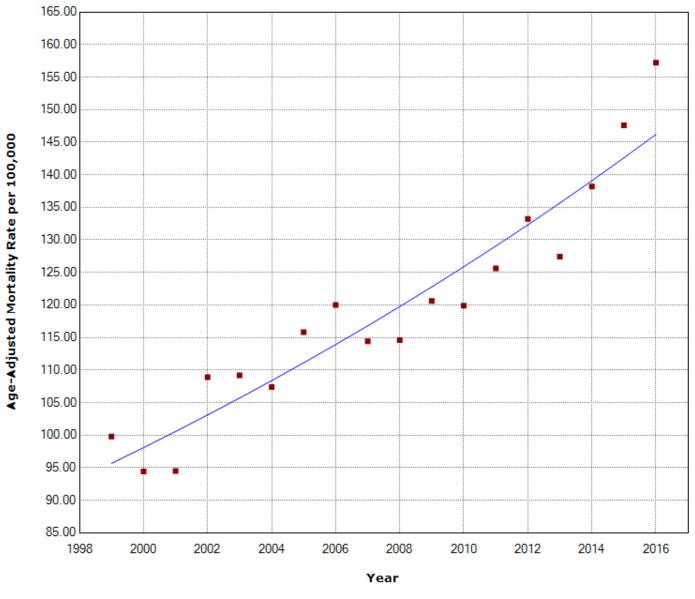
Observed

= 1999.0-2003.0 APC = -1.15^ = 2003.0-2011.0 APC = -2.37^ = 2011.0-2016.0 APC = 0.55



[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 2 Joinpoints.

EXTRANEOUS (EXTERNAL) CAUSES (V01-Y89) / NH AIAN: 0 Joinpoints



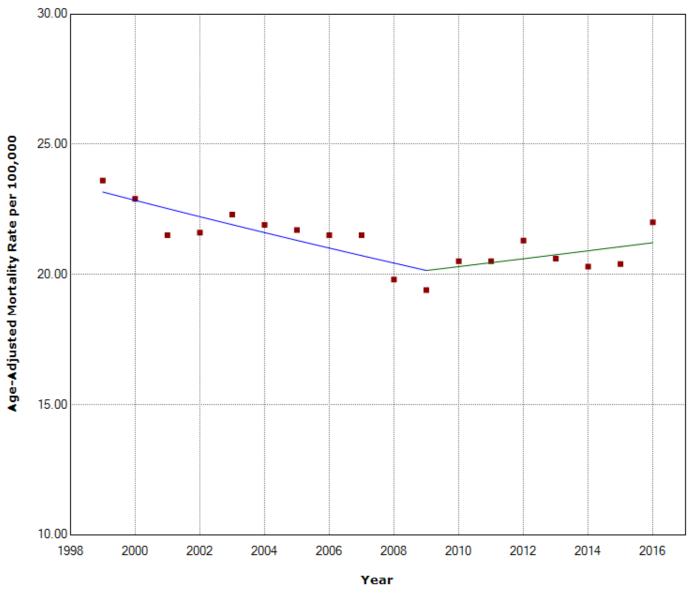
[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 0 Joinpoints.

Observed 1999.0-2016.0 APC = 2.53^

EXTRANEOUS (EXTERNAL) CAUSES (V01-Y89) / NH API: 1 Joinpoint

Observed

= 1999.0-2009.0 APC = -1.38^ = 2009.0-2016.0 APC = 0.74

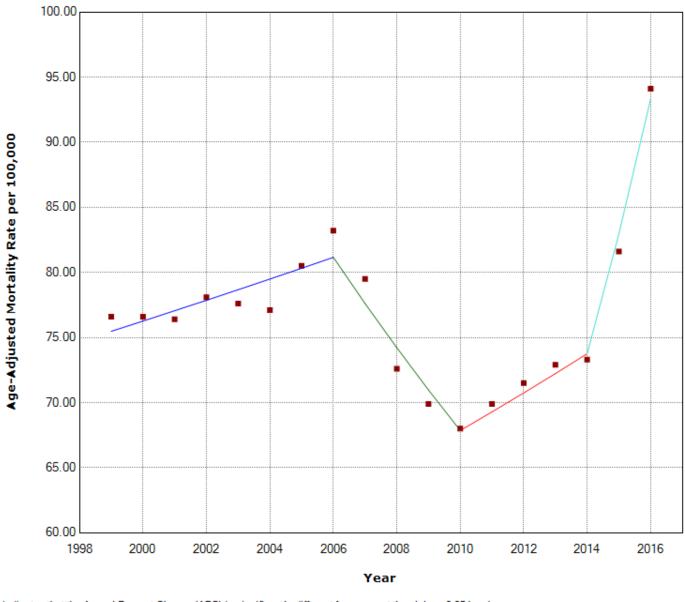


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 1 Joinpoint.

EXTRANEOUS (EXTERNAL) CAUSES (V01-Y89) / NH Blacks: 3 Joinpoints

Observed

1999.0-2006.0 APC = 1.04[^] 2006.0-2010.0 APC = -4.37[^] 2010.0-2014.0 APC = 2.10 2014.0-2016.0 APC = 12.49[^]

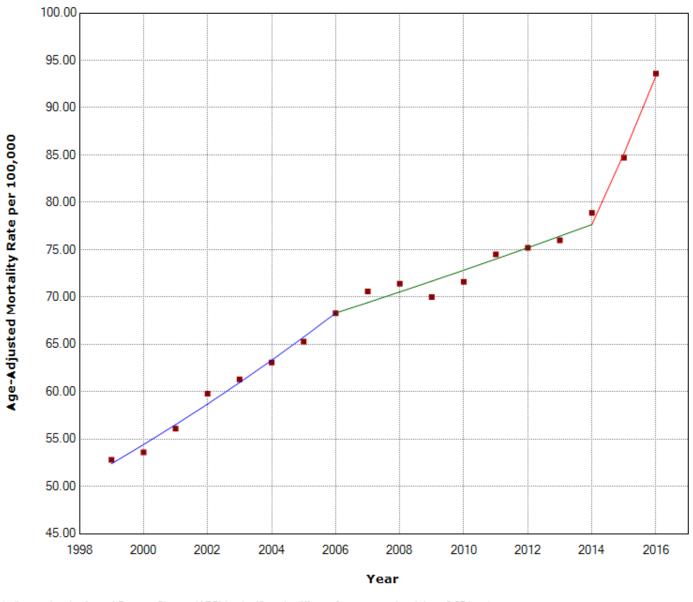


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 3 Joinpoints.

EXTRANEOUS (EXTERNAL) CAUSES (V01-Y89) / NH whites: 2 Joinpoints

Observed

1999.0-2006.0 APC = 3.86[^] 2006.0-2014.0 APC = 1.62[^] 2014.0-2016.0 APC = 9.64[^]

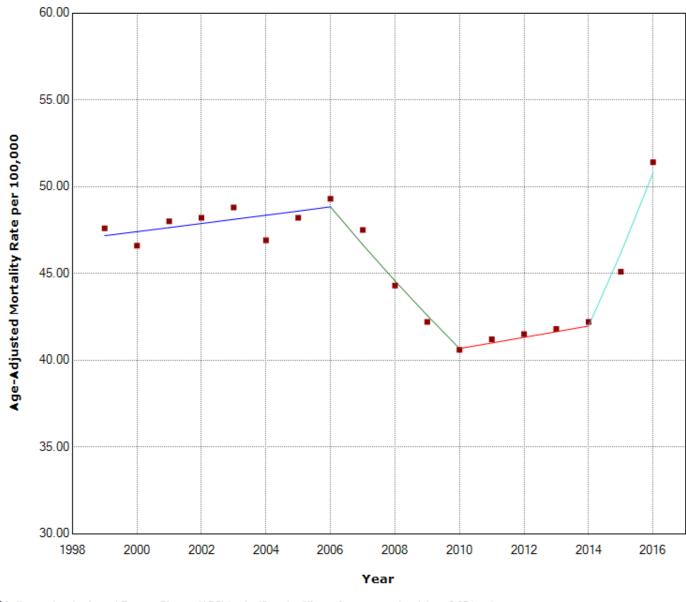


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 2 Joinpoints.

EXTRANEOUS (EXTERNAL) CAUSES (V01-Y89) / Hispanics: 3 Joinpoints

Observed

1999.0-2006.0 APC = 0.50 2006.0-2010.0 APC = -4.47^ 2010.0-2014.0 APC = 0.79 2014.0-2016.0 APC = 10.02^

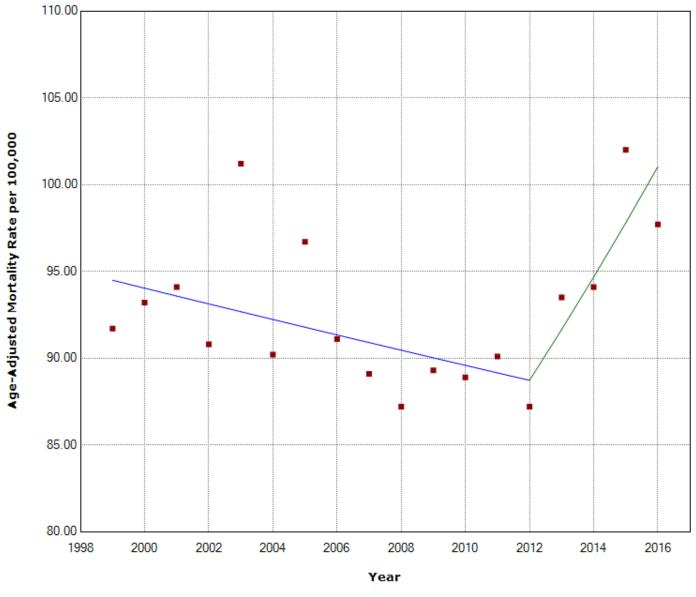


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 3 Joinpoints.

Diseases of the circulatory system (IOO-I99) / NH AIAN: 1 Joinpoint

Observed

1999.0-2012.0 APC = -0.48 2012.0-2016.0 APC = 3.30

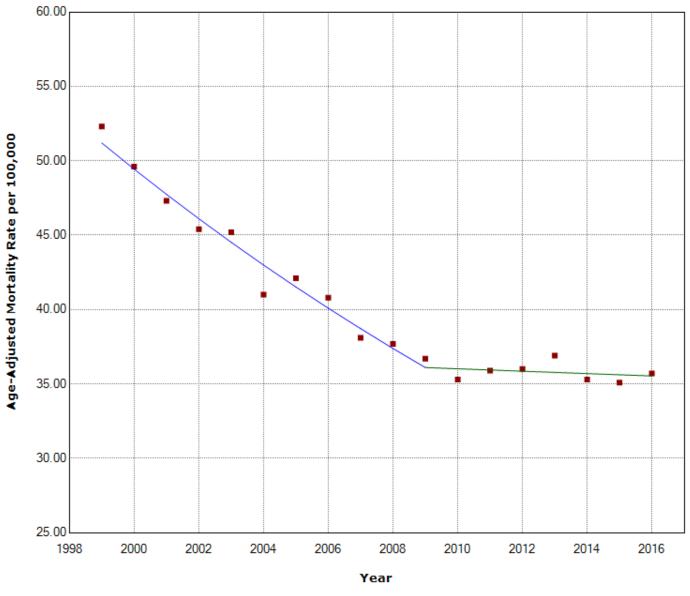


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 1 Joinpoint.

Diseases of the circulatory system (IOO-I99) / NH API: 1 Joinpoint

Observed

1999.0-2009.0 APC = -3.43[^] 2009.0-2016.0 APC = -0.22

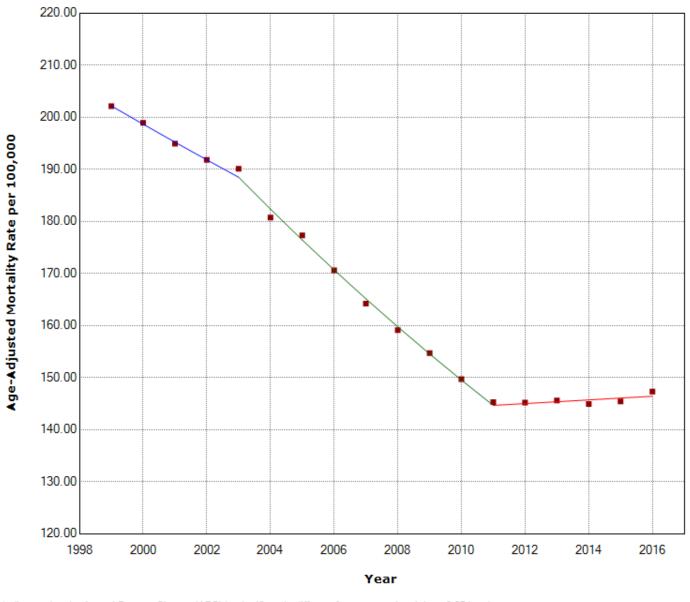


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 1 Joinpoint.

Diseases of the circulatory system (IOO-I99) / NH Blacks: 2 Joinpoints

Observed

= 1999.0-2003.0 APC = -1.74[^] = 2003.0-2011.0 APC = -3.25[^] = 2011.0-2016.0 APC = 0.24

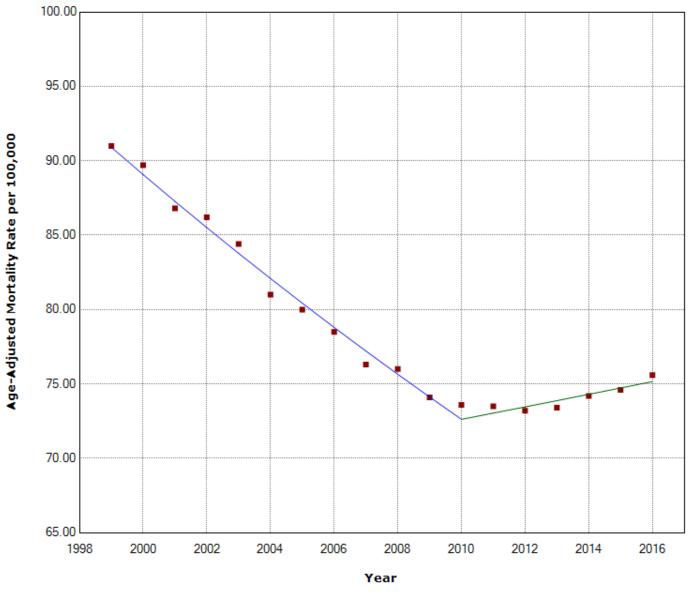


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 2 Joinpoints.

Diseases of the circulatory system (IOO-I99) / NH whites: 1 Joinpoint

Observed

= 1999.0-2010.0 APC = -2.02^ = 2010.0-2016.0 APC = 0.57^

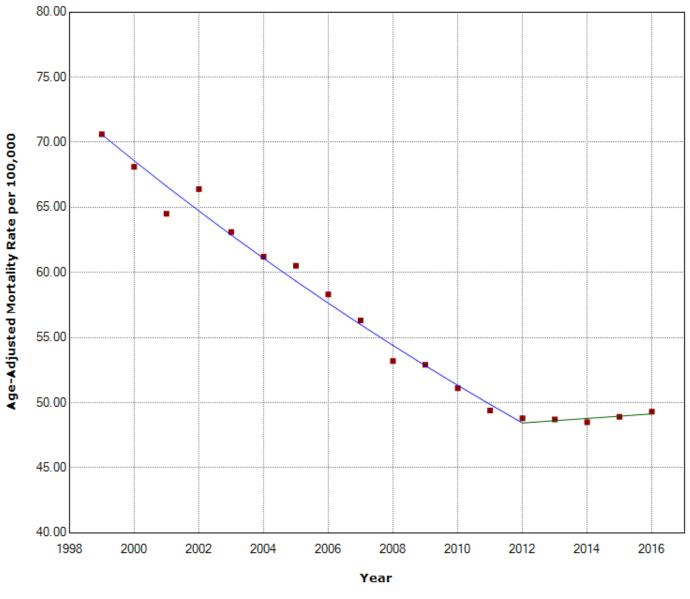


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 1 Joinpoint.

Diseases of the circulatory system (IOO-I99) / Hispanics: 1 Joinpoint

Observed

= 1999.0-2012.0 APC = -2.86^ = 2012.0-2016.0 APC = 0.36

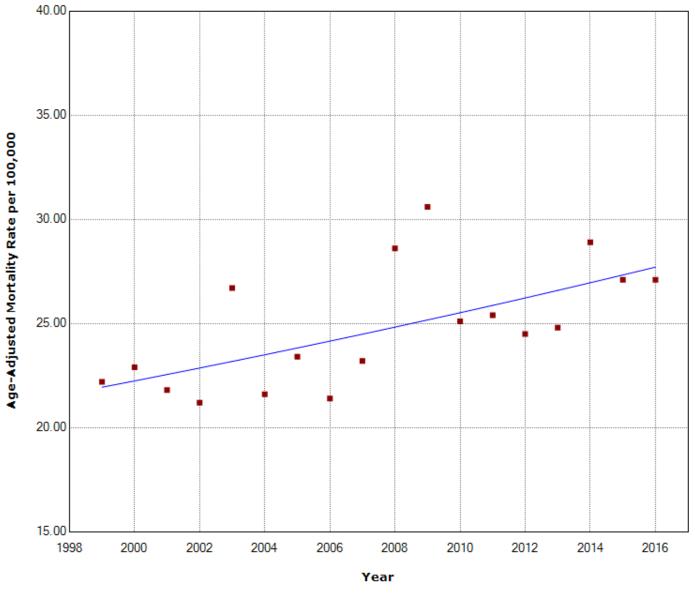


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 1 Joinpoint.

Diseases of the respiratory system (J00-J98) / NH AIAN: 0 Joinpoints

Observed

1999.0-2016.0 APC = 1.38[^]

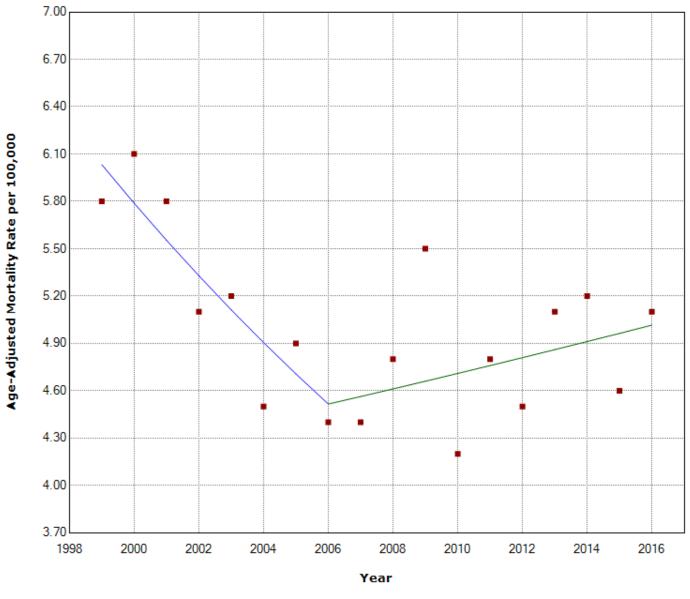


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 0 Joinpoints.

Diseases of the respiratory system (J00-J98) / NH API: 1 Joinpoint

Observed

1999.0-2006.0 APC = -4.05[^] 2006.0-2016.0 APC = 1.06

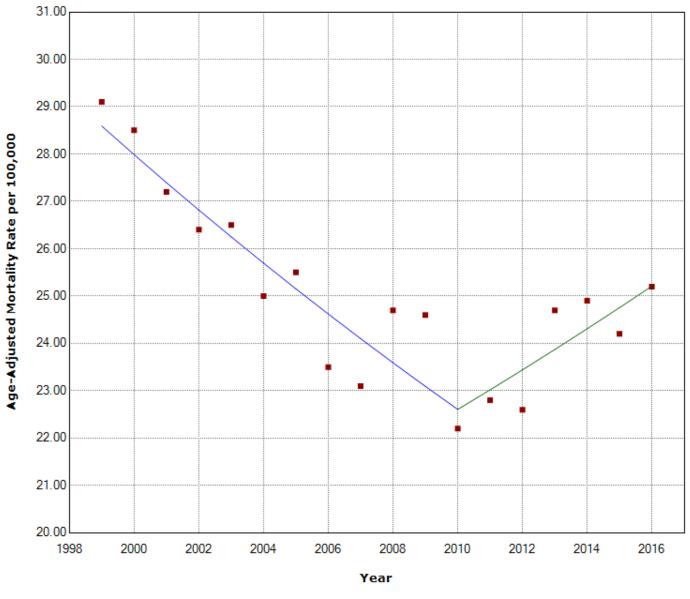


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 1 Joinpoint.

Diseases of the respiratory system (J00-J98) / NH Blacks: 1 Joinpoint

Observed

1999.0-2010.0 APC = -2.11[^] 2010.0-2016.0 APC = 1.83[^]

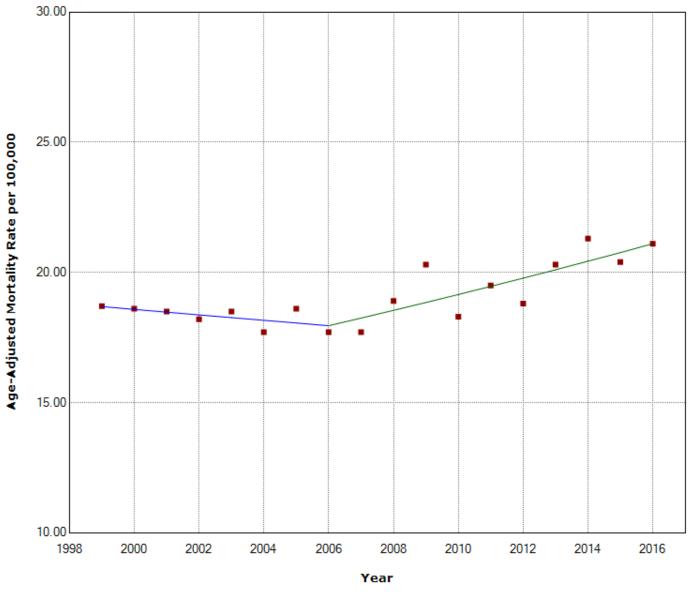


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 1 Joinpoint.

Diseases of the respiratory system (J00-J98) / NH whites: 1 Joinpoint

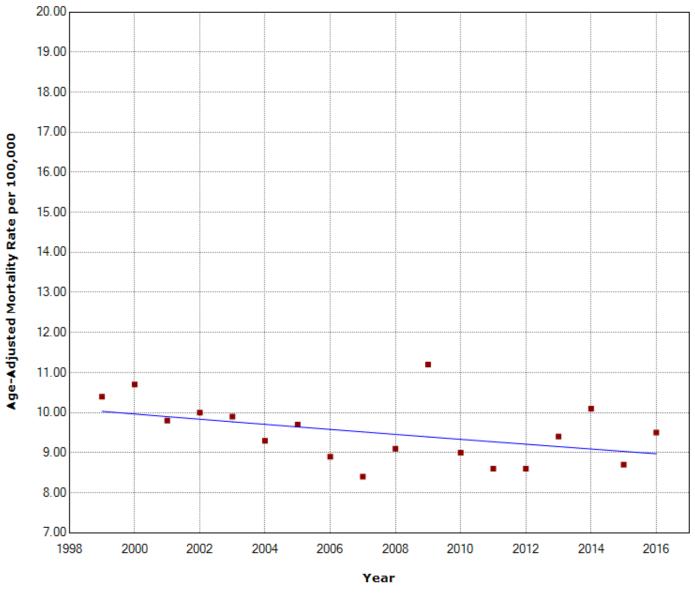
Observed

= 1999.0-2006.0 APC = -0.57 = 2006.0-2016.0 APC = 1.63^



[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 1 Joinpoint.

Diseases of the respiratory system (J00-J98) / Hispanics: 0 Joinpoints



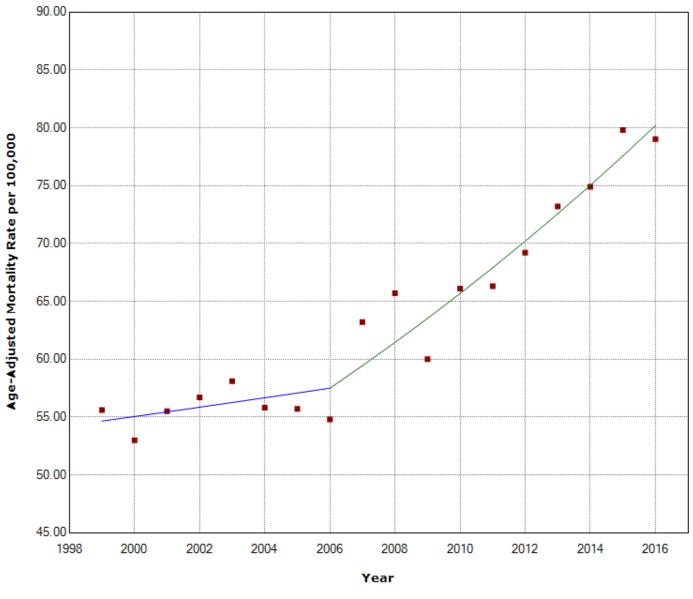
[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 0 Joinpoints.

Observed 1999.0-2016.0 APC = -0.65

Diseases of the digestive system (K00-K92) / NH AIAN: 1 Joinpoint

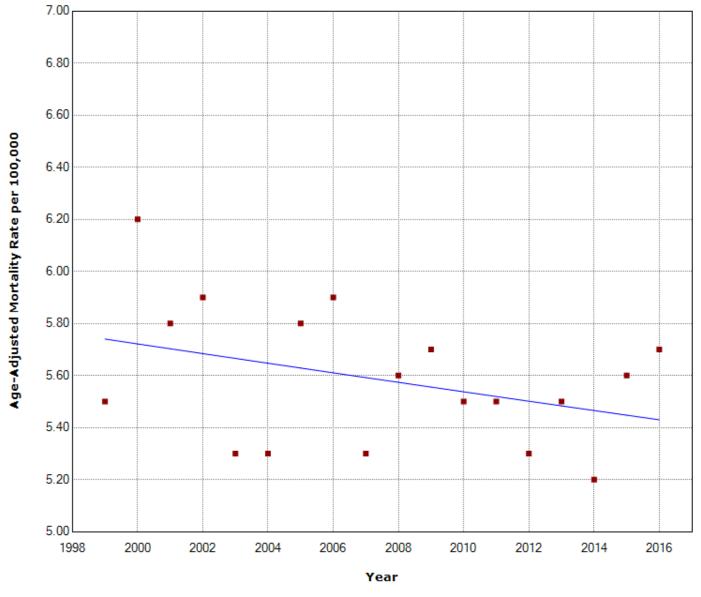
Observed

1999.0-2006.0 APC = 0.73 2006.0-2016.0 APC = 3.38^



[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 1 Joinpoint.

Diseases of the digestive system (K00-K92) / NH API: 0 Joinpoints



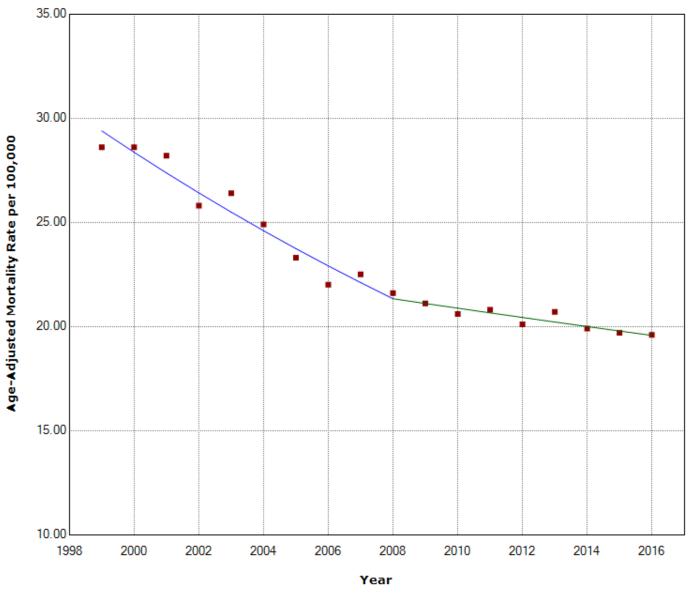
[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 0 Joinpoints.

Observed 1999.0-2016.0 APC = -0.33

Diseases of the digestive system (K00-K92) / NH Blacks: 1 Joinpoint

Observed

= 1999.0-2008.0 APC = -3.50^ = 2008.0-2016.0 APC = -1.07^

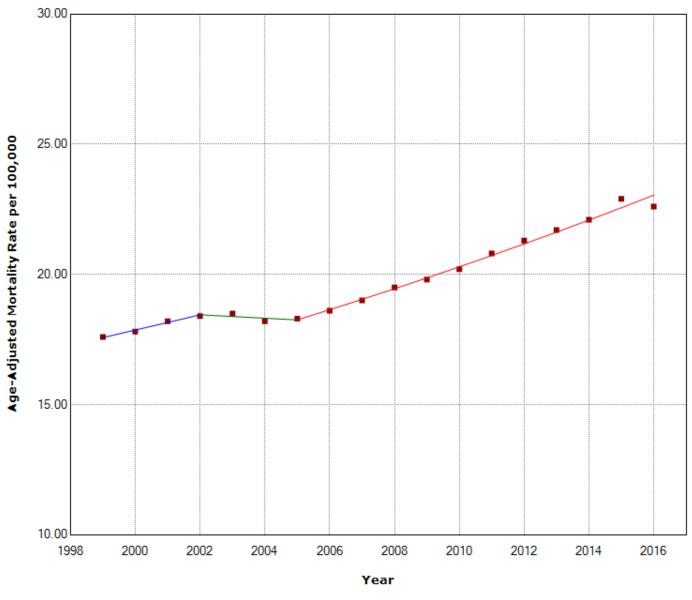


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 1 Joinpoint.

Diseases of the digestive system (K00-K92) / NH whites: 2 Joinpoints

Observed

= 1999.0-2002.0 APC = 1.63^ = 2002.0-2005.0 APC = -0.36 = 2005.0-2016.0 APC = 2.14^

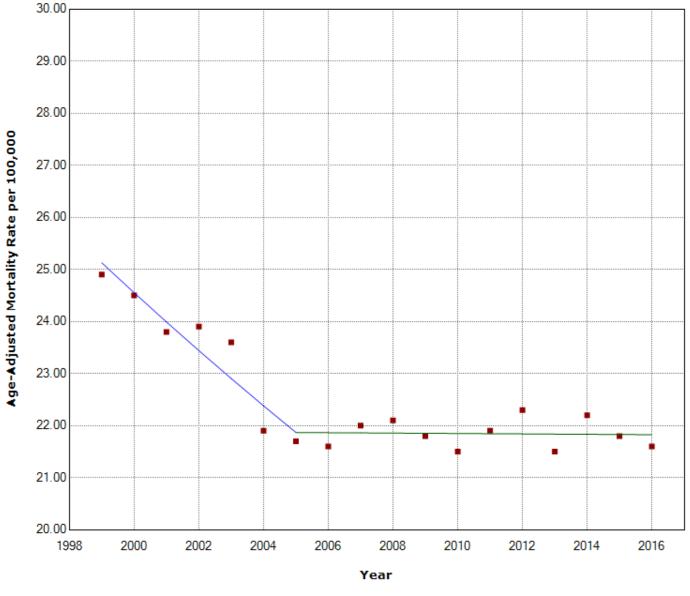


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 2 Joinpoints.

Diseases of the digestive system (K00-K92) / Hispanics: 1 Joinpoint

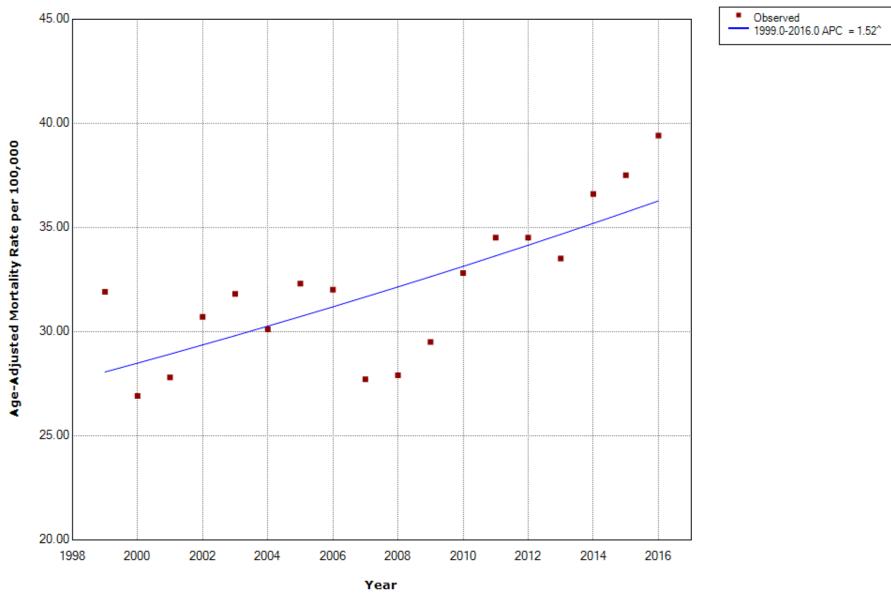
Observed

1999.0-2005.0 APC = -2.29[^] 2005.0-2016.0 APC = -0.02



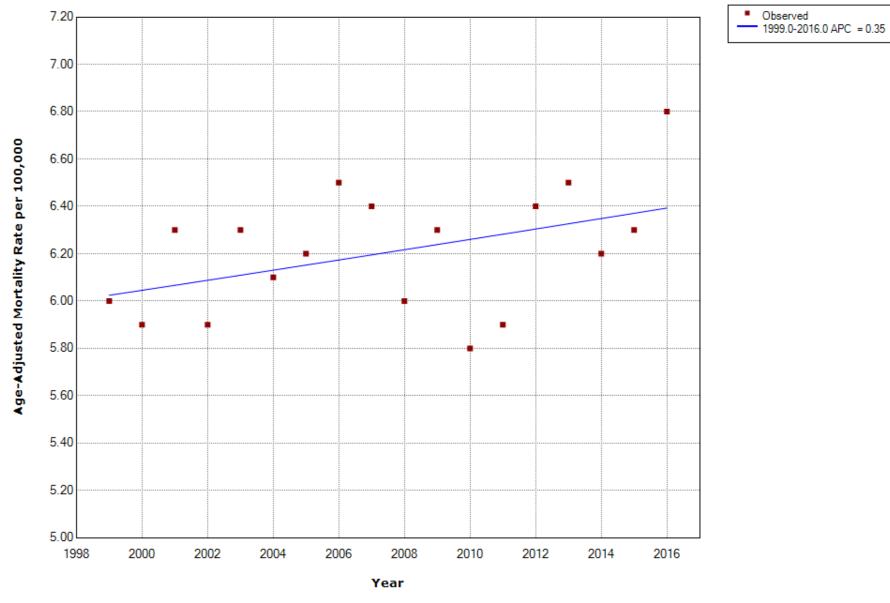
[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 1 Joinpoint.

Endocrine, nutritional and metabolic diseases (E00-E88) / NH AIAN: 0 Joinpoints



[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 0 Joinpoints.

Endocrine, nutritional and metabolic diseases (E00-E88) / NH API: 0 Joinpoints

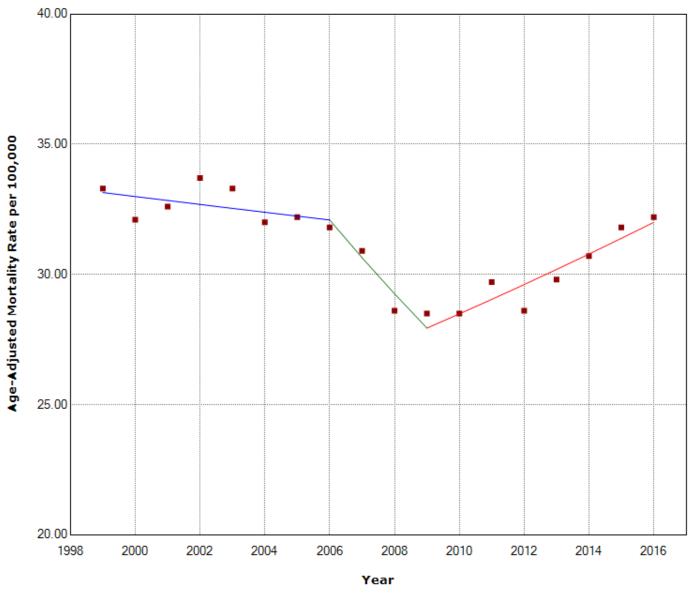


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 0 Joinpoints.

Endocrine, nutritional and metabolic diseases (E00-E88) / NH Blacks: 2 Joinpoints

Observed

1999.0-2006.0 APC = -0.46 2006.0-2009.0 APC = -4.51 2009.0-2016.0 APC = 1.96^

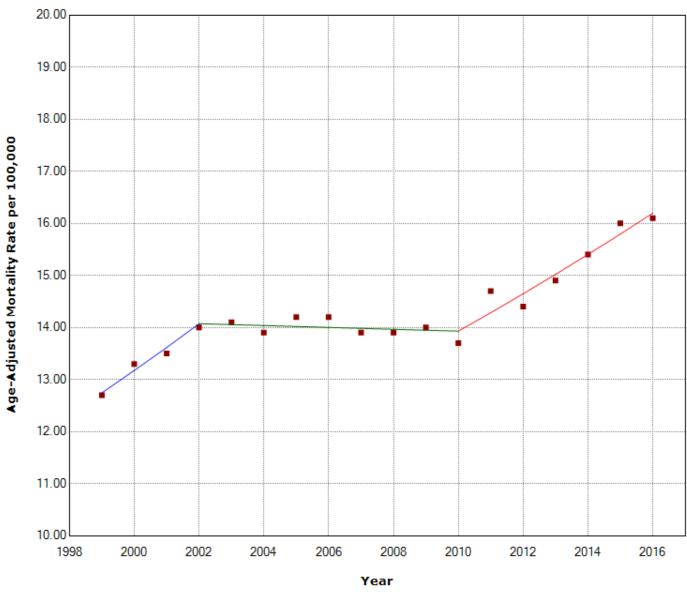


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 2 Joinpoints.

Endocrine, nutritional and metabolic diseases (E00-E88) / NH whites: 2 Joinpoints

Observed

= 1999.0-2002.0 APC = 3.36^ = 2002.0-2010.0 APC = -0.13 = 2010.0-2016.0 APC = 2.54^

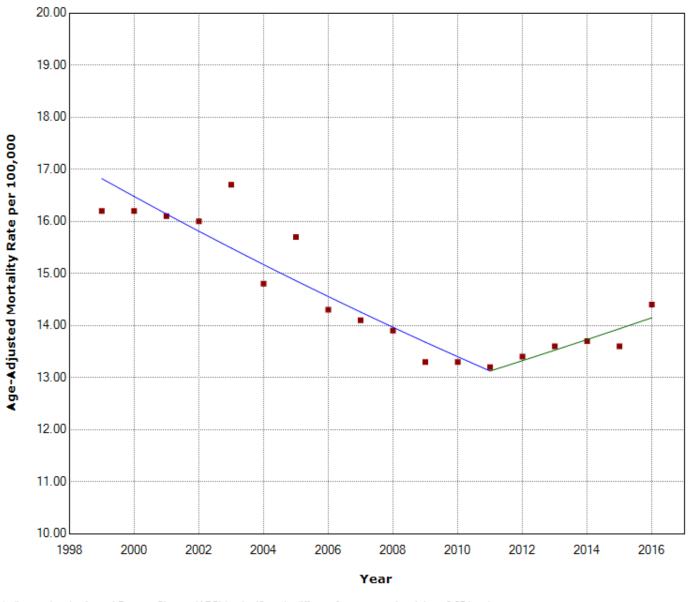


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 2 Joinpoints.

Endocrine, nutritional and metabolic diseases (E00-E88) / Hispanics: 1 Joinpoint

Observed

1999.0-2011.0 APC = -2.05^ 2011.0-2016.0 APC = 1.51

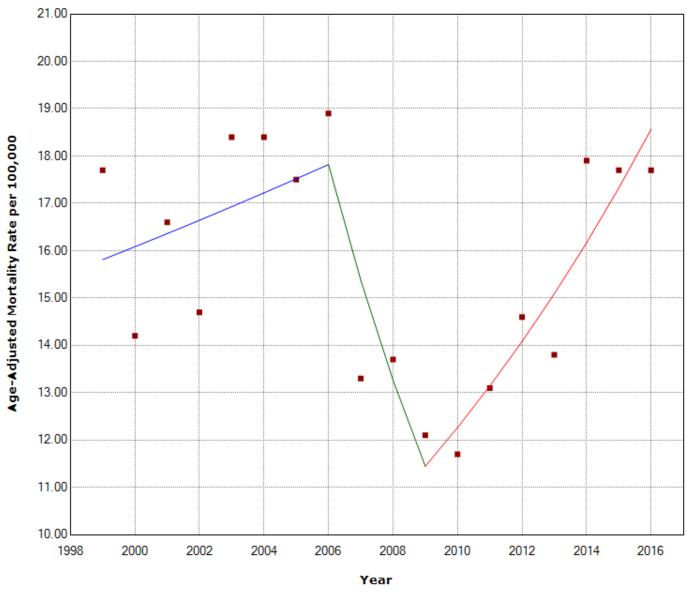


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 1 Joinpoint.

Mental and behavioral disorders (F01-F99) / NH AIAN: 2 Joinpoints

Observed

1999.0-2006.0 APC = 1.72 2006.0-2009.0 APC = -13.71 2009.0-2016.0 APC = 7.15^

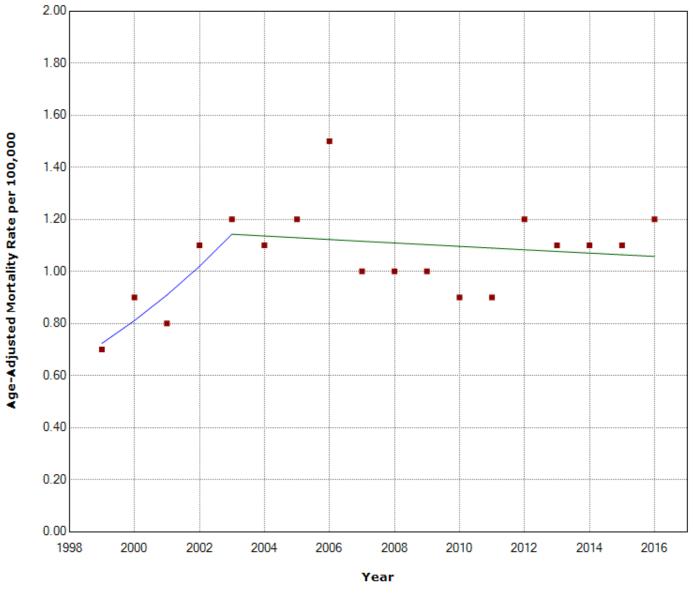


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 2 Joinpoints.

Mental and behavioral disorders (F01-F99) / NH API: 1 Joinpoint

Observed

1999.0-2003.0 APC = 12.10 2003.0-2016.0 APC = -0.59

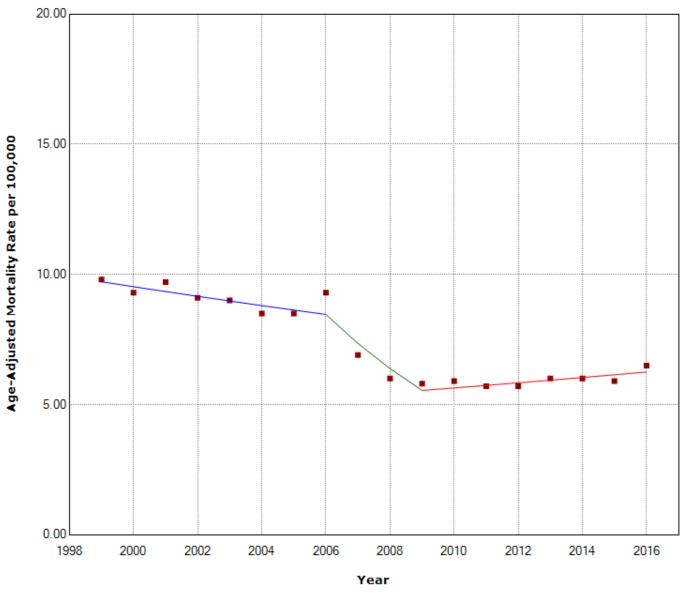


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 1 Joinpoint.

Mental and behavioral disorders (F01-F99) / NH Blacks: 2 Joinpoints

Observed

1999.0-2006.0 APC = -1.96[^] 2006.0-2009.0 APC = -13.14[^] 2009.0-2016.0 APC = 1.73[^]

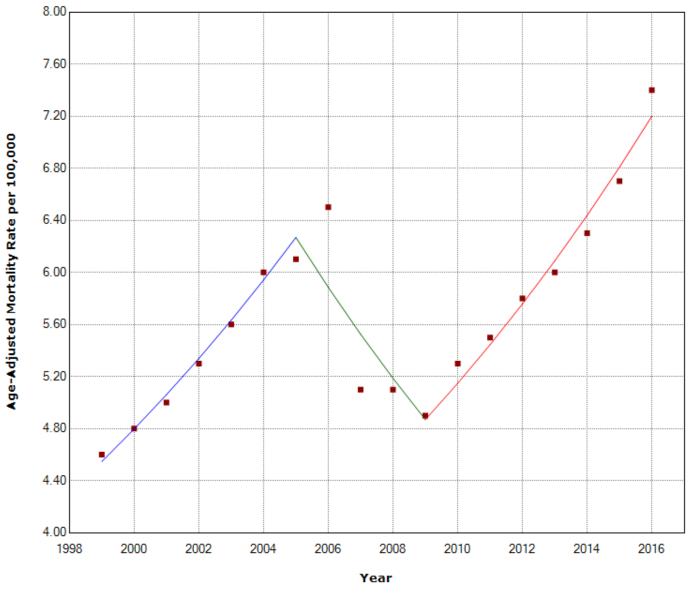


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 2 Joinpoints.

Mental and behavioral disorders (F01-F99) / NH whites: 2 Joinpoints

Observed

= 1999.0-2005.0 APC = 5.49^ = 2005.0-2009.0 APC = -6.12^ = 2009.0-2016.0 APC = 5.75^

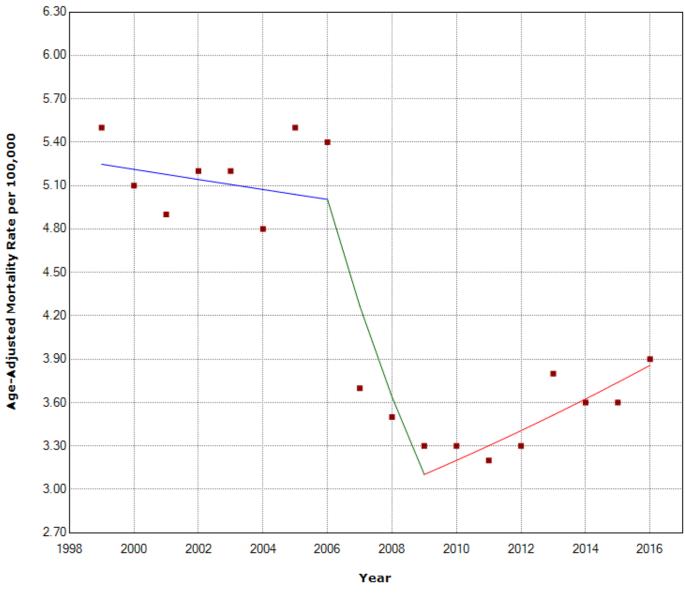


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 2 Joinpoints.

Mental and behavioral disorders (F01-F99) / Hispanics: 2 Joinpoints

Observed

1999.0-2006.0 APC = -0.68 2006.0-2009.0 APC = -14.73 2009.0-2016.0 APC = 3.16^

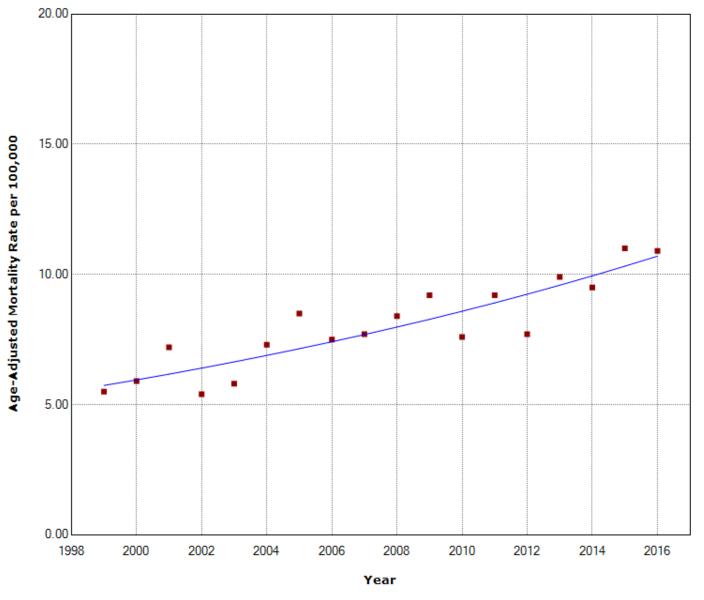


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 2 Joinpoints.

Diseases of the nervous system (G00-G98) / NH AIAN: 0 Joinpoints

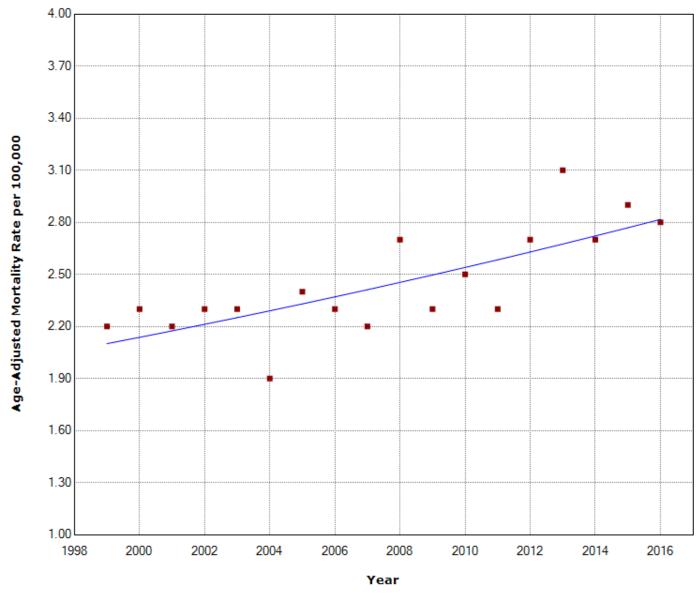
Observed

1999.0-2016.0 APC = 3.74[^]



[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 0 Joinpoints.

Diseases of the nervous system (G00-G98) / NH API: 0 Joinpoints



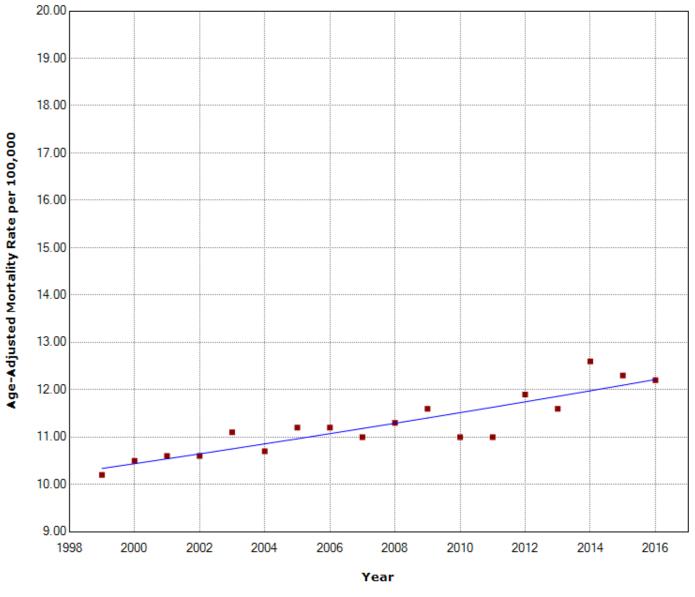
[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 0 Joinpoints.

Observed 1999.0-2016.0 APC = 1.74^

Diseases of the nervous system (G00-G98) / NH Blacks: 0 Joinpoints

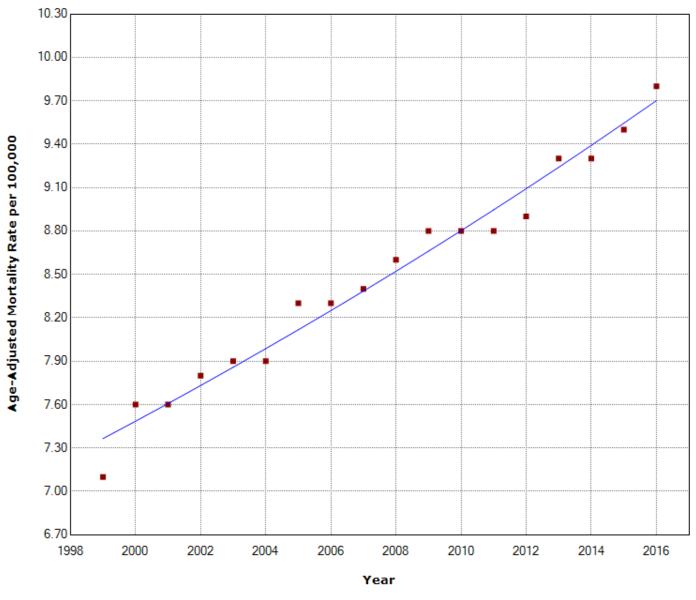
Observed

1999.0-2016.0 APC = 0.99[^]



[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 0 Joinpoints.

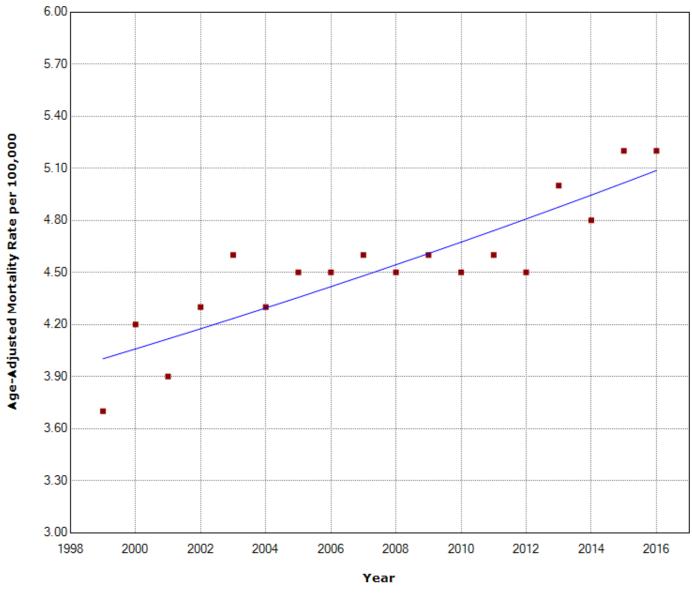
Diseases of the nervous system (G00-G98) / NH whites: 0 Joinpoints



[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 0 Joinpoints.

Observed 1999.0-2016.0 APC = 1.63^

Diseases of the nervous system (G00-G98) / Hispanics: 0 Joinpoints



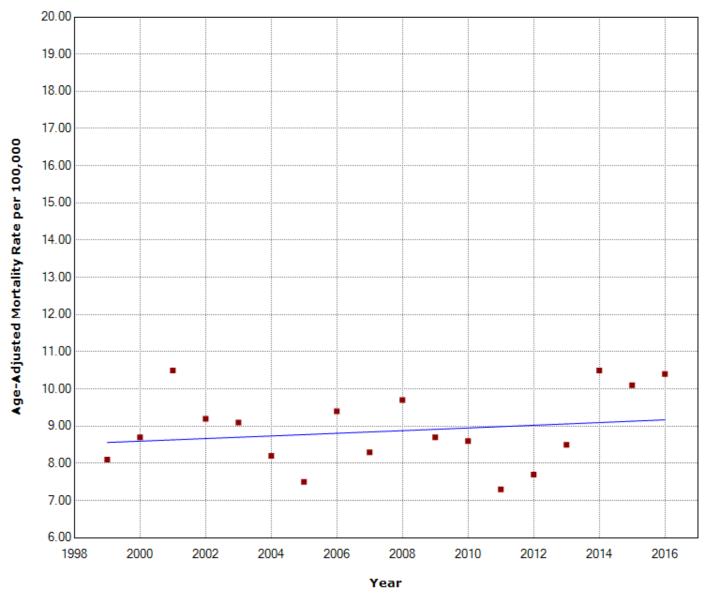
[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 0 Joinpoints.

Observed 1999.0-2016.0 APC = 1.42^

Diseases of the genitourinary system (NOO-N98) / NH AIAN: O Joinpoints

Observed

1999.0-2016.0 APC = 0.40

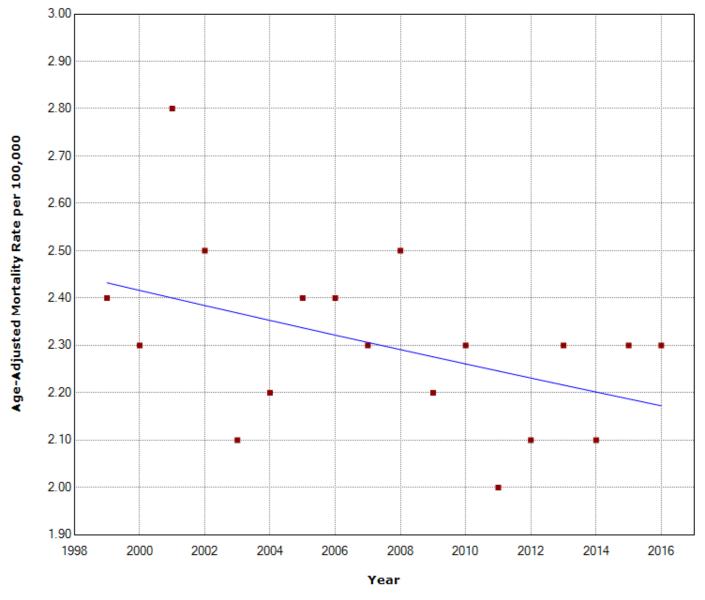


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 0 Joinpoints.

Diseases of the genitourinary system (NOO-N98) / NH API: O Joinpoints

Observed

1999.0-2016.0 APC = -0.66

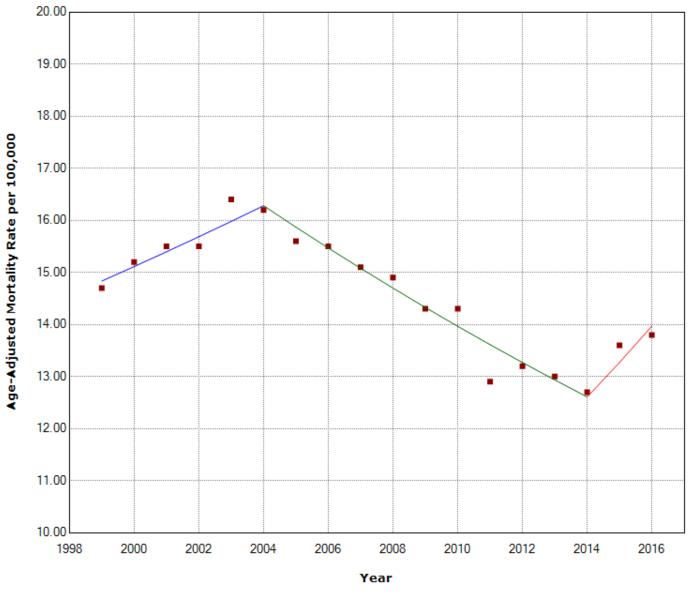


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 0 Joinpoints.

Diseases of the genitourinary system (NOO-N98) / NH Blacks: 2 Joinpoints

Observed

= 1999.0-2004.0 APC = 1.88^ = 2004.0-2014.0 APC = -2.52^ = 2014.0-2016.0 APC = 5.26

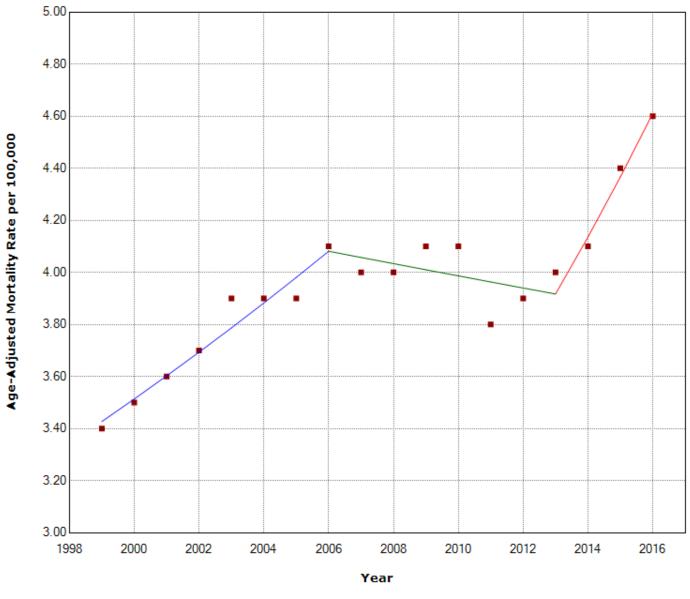


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 2 Joinpoints.

Diseases of the genitourinary system (N00-N98) / NH whites: 2 Joinpoints

Observed

= 1999.0-2006.0 APC = 2.53^ = 2006.0-2013.0 APC = -0.58 = 2013.0-2016.0 APC = 5.58^

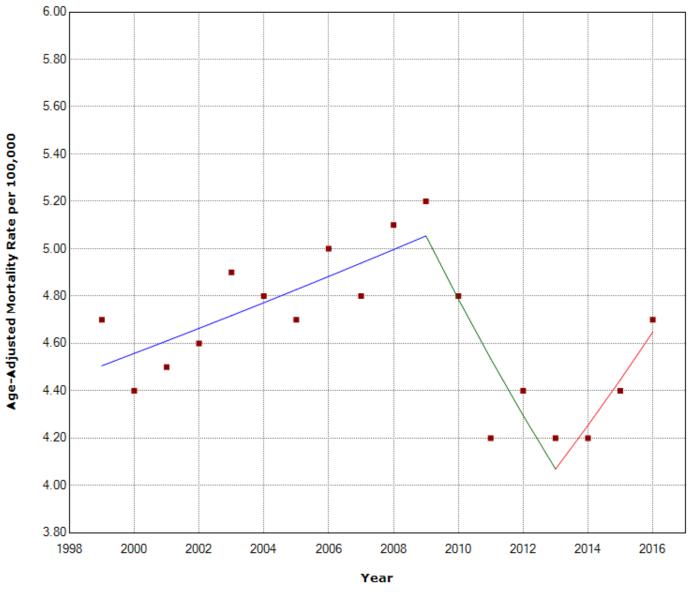


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 2 Joinpoints.

Diseases of the genitourinary system (NOO-N98) / Hispanics: 2 Joinpoints

Observed

= 1999.0-2009.0 APC = 1.15[^] = 2009.0-2013.0 APC = -5.27 = 2013.0-2016.0 APC = 4.53



[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 2 Joinpoints.

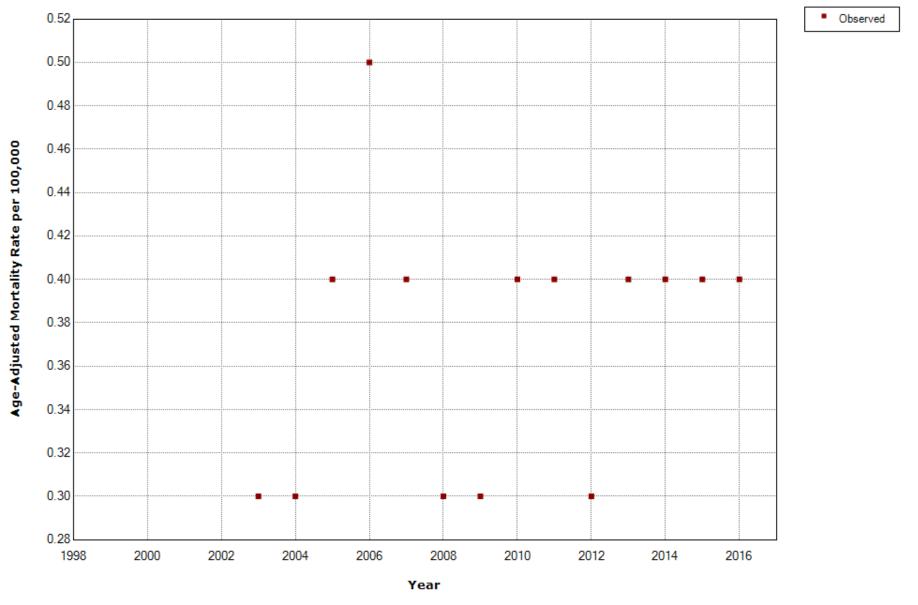
Observed

Pregnancy, childbirth and the puerperium (O00-O99) / NH AIAN: Observed

[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level.

** Joinpoint cannot process records with missing dependent variable values. Joinpoint will not analyze by-groups that have this error. (Row = 810, Col = 1)

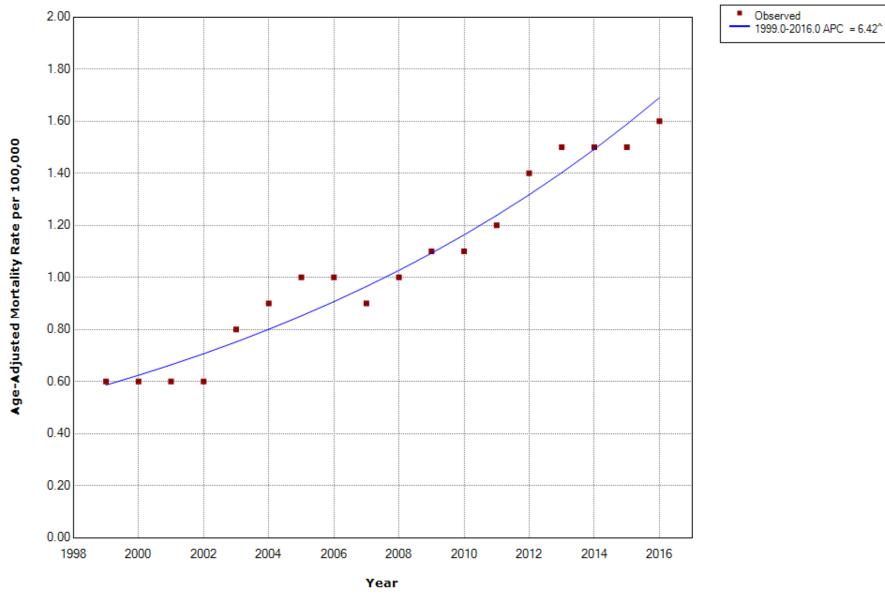
Pregnancy, childbirth and the puerperium (O00-O99) / NH API: Observed



[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level.

** Joinpoint cannot process records with missing dependent variable values. Joinpoint will not analyze by-groups that have this error. (Row = 828, Col = 1)

Pregnancy, childbirth and the puerperium (O00-O99) / NH Blacks: 0 Joinpoints

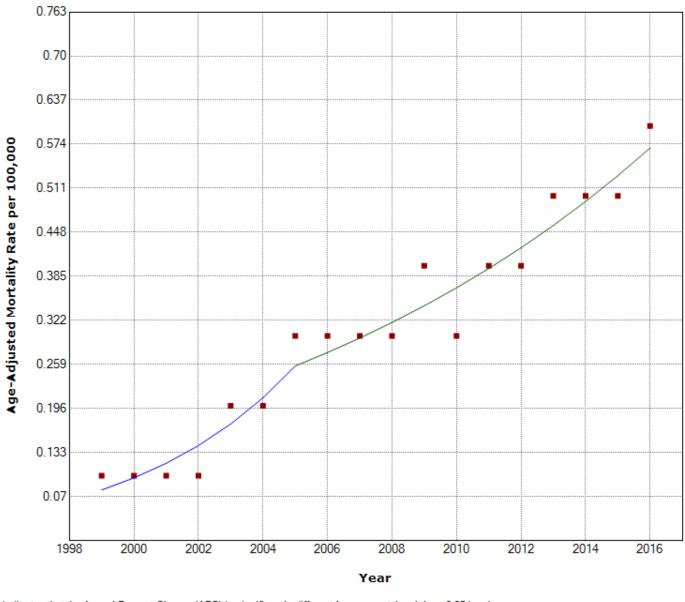


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 0 Joinpoints.

Pregnancy, childbirth and the puerperium (O00-O99) / NH whites: 1 Joinpoint

Observed

1999.0-2005.0 APC = 21.52[^] 2005.0-2016.0 APC = 7.49[^]

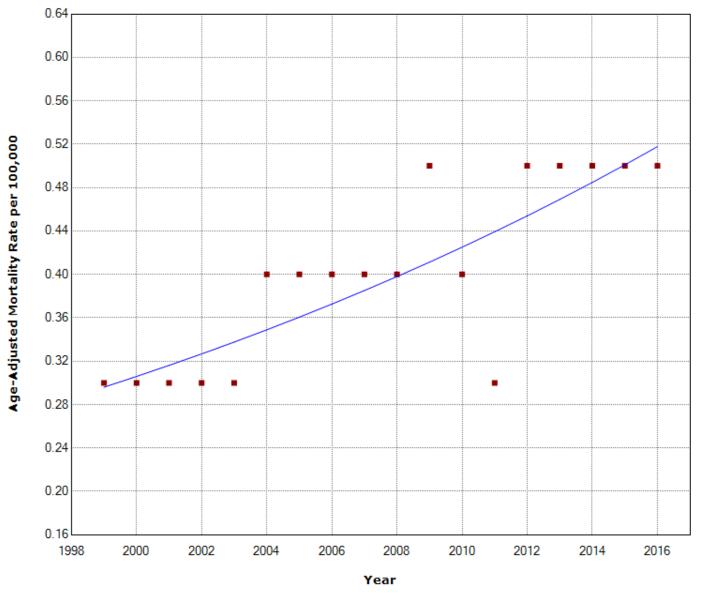


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 1 Joinpoint.

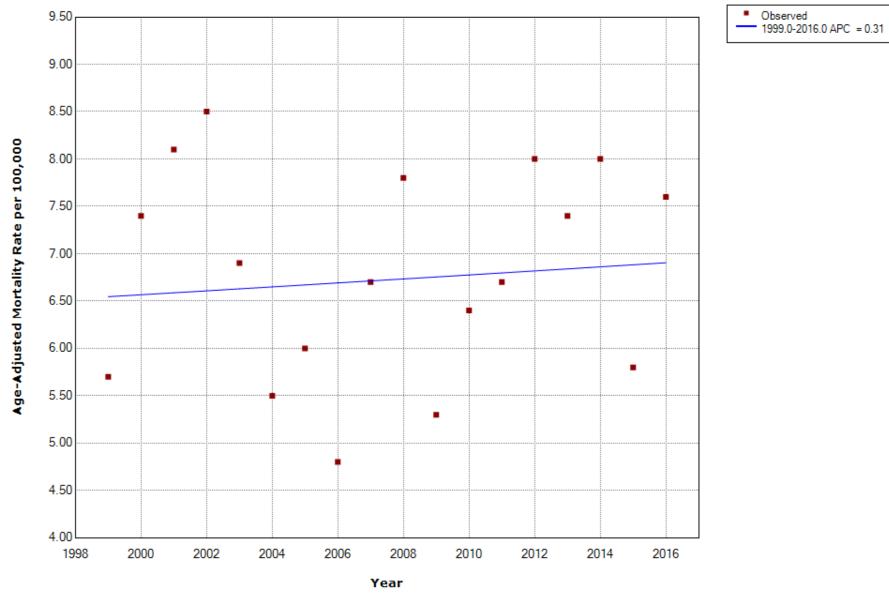
Pregnancy, childbirth and the puerperium (O00-O99) / Hispanics: O Joinpoints

Observed

1999.0-2016.0 APC = 3.34[^]

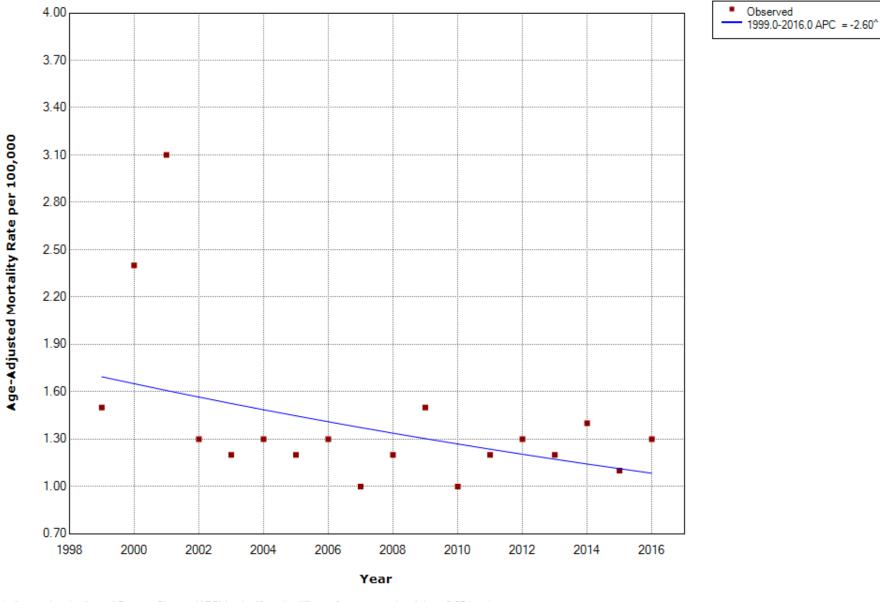


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 0 Joinpoints.

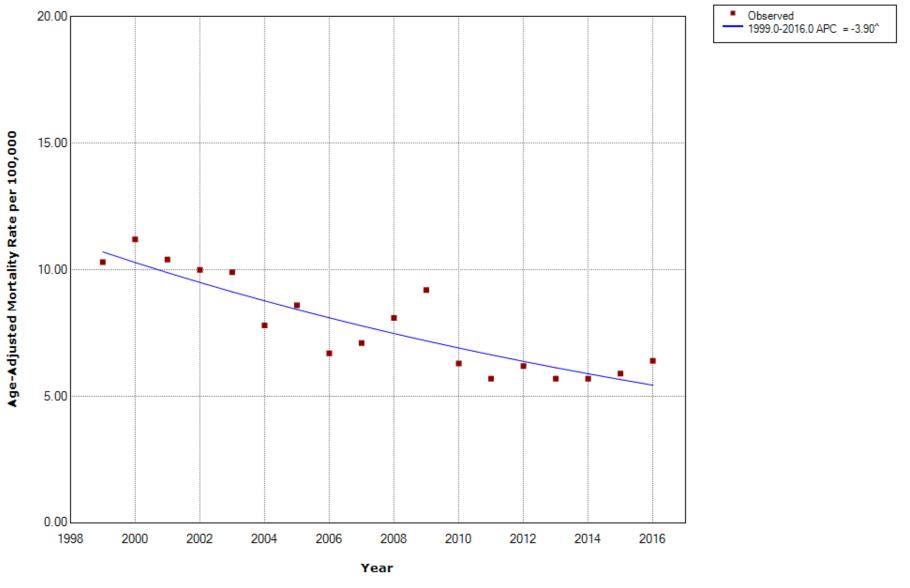


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 0 Joinpoints.

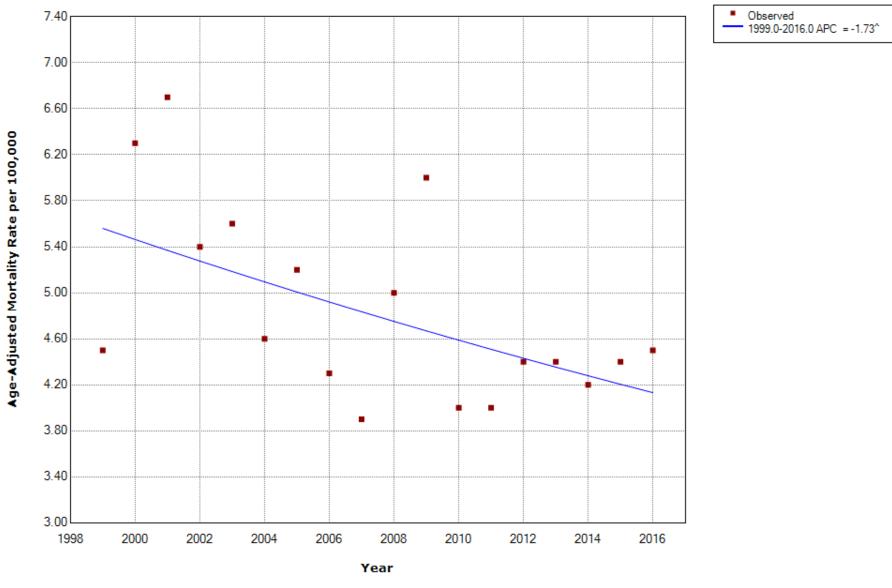
Observed



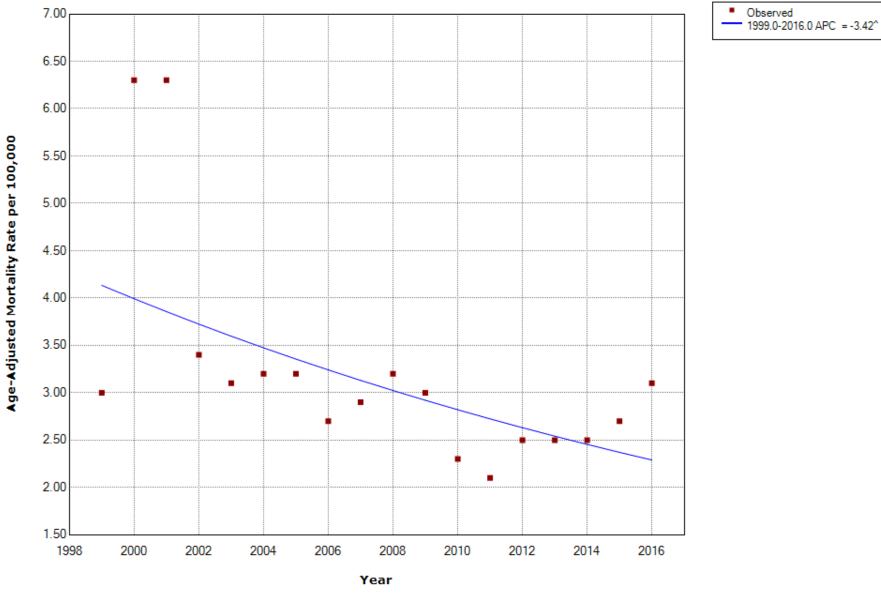
[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 0 Joinpoints.



[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 0 Joinpoints.



[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 0 Joinpoints.

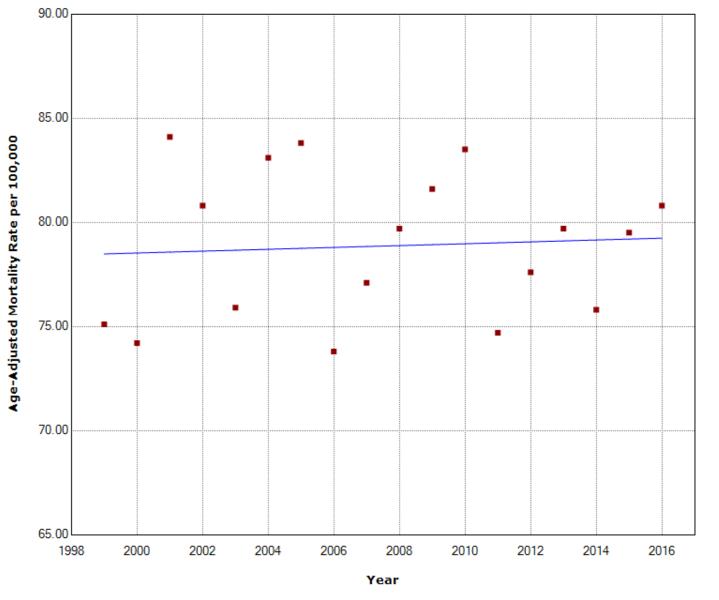


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 0 Joinpoints.

COO-D48 (Neoplasms) / NH AIAN: O Joinpoints

Observed

1999.0-2016.0 APC = 0.06

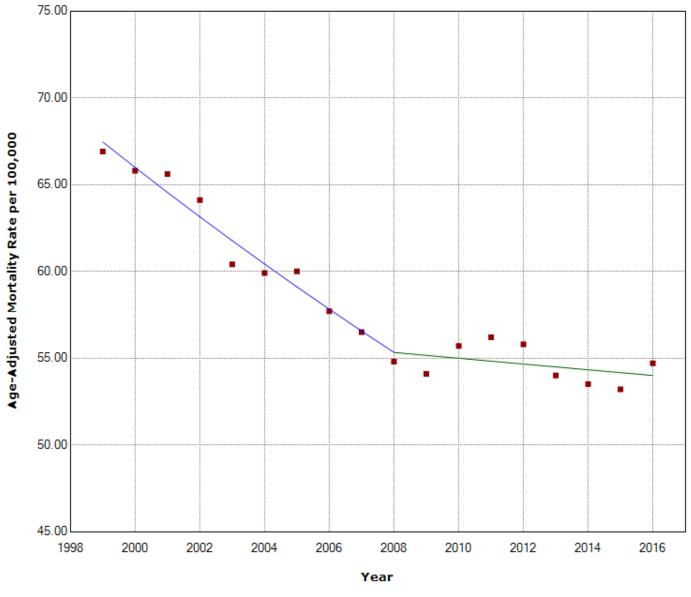


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 0 Joinpoints.

COO-D48 (Neoplasms) / NH API: 1 Joinpoint

Observed

1999.0-2008.0 APC = -2.18[^] 2008.0-2016.0 APC = -0.30

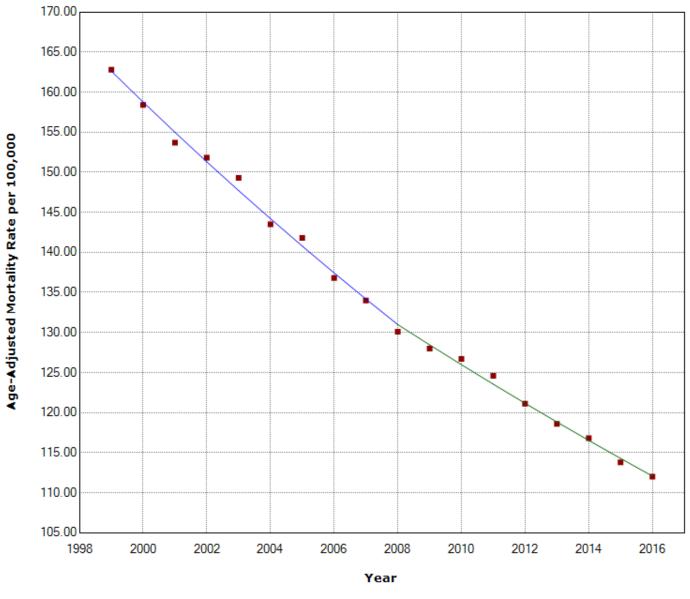


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 1 Joinpoint.

COO-D48 (Neoplasms) / NH Blacks: 1 Joinpoint

Observed

1999.0-2008.0 APC = -2.37[^] 2008.0-2016.0 APC = -1.93[^]

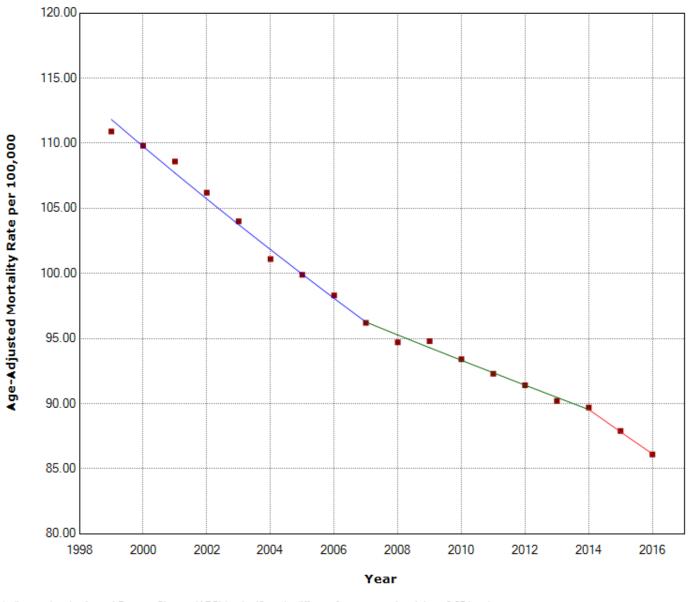


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 1 Joinpoint.

C00-D48 (Neoplasms) / NH whites: 2 Joinpoints

Observed

= 1999.0-2007.0 APC = -1.86^ = 2007.0-2014.0 APC = -1.03^ = 2014.0-2016.0 APC = -1.92^

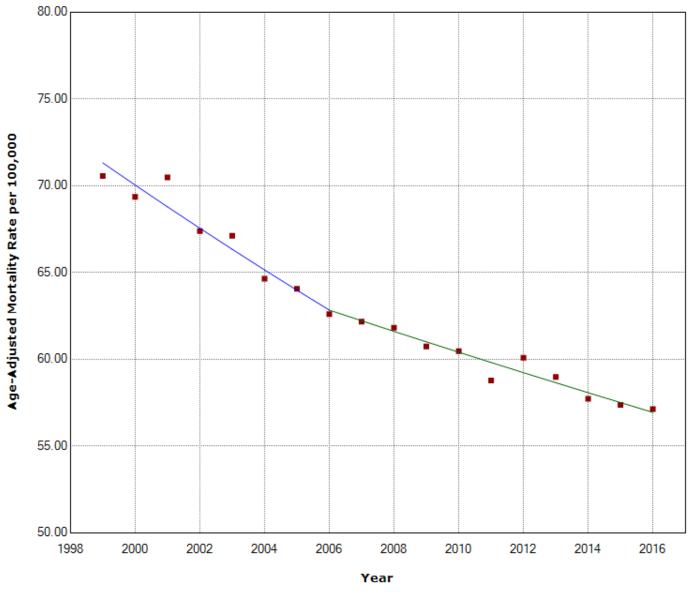


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 2 Joinpoints.

C00-D48 (Neoplasms) / Hispanics: 1 Joinpoint

Observed

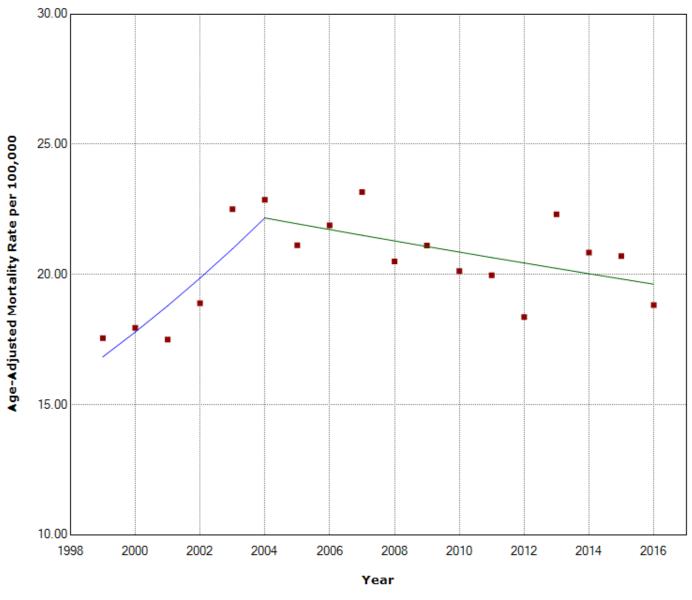
1999.0-2006.0 APC = -1.79[^] 2006.0-2016.0 APC = -0.98[^]



[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 1 Joinpoint.

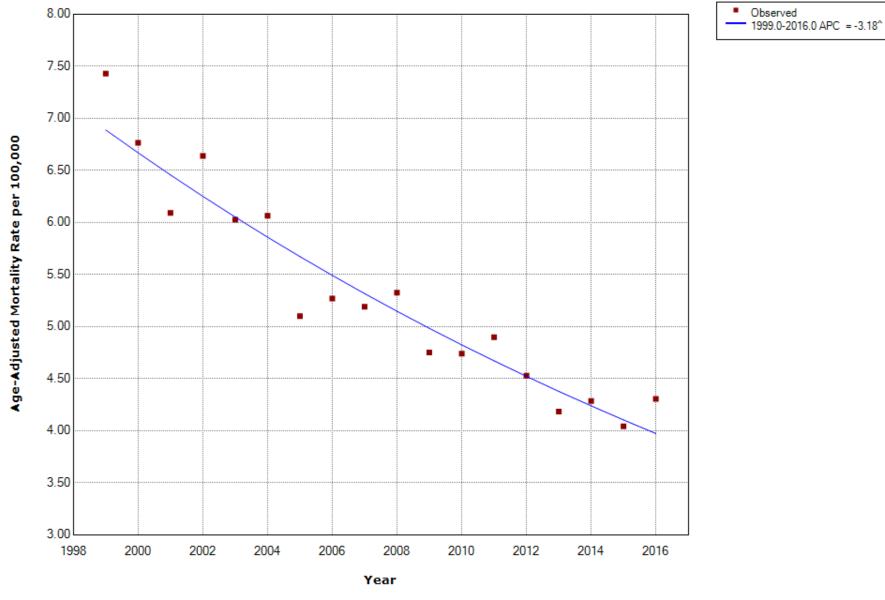
Observed

- 1999.0-2004.0 APC = 5.66° - 2004.0-2016.0 APC = -1.01



[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 1 Joinpoint.

A00-B99 (Certain infectious and parasitic diseases) / NH API: 0 Joinpoints



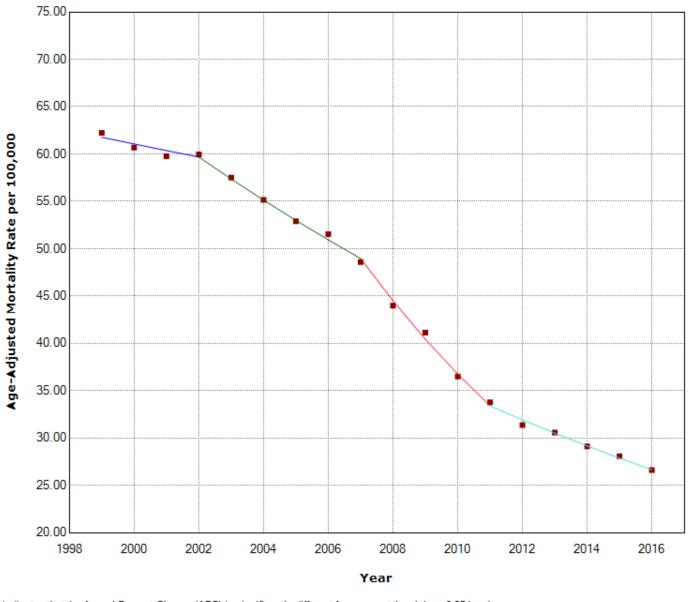
[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 0 Joinpoints.

A00-B99 (Certain infectious and parasitic diseases) / NH Blacks: 3 Joinpoints

Observed

= 1999.0-2002.0 APC = -1.15 = 2002.0-2007.0 APC = -3.88^ = 2007.0-2011.0 APC = -9.12^

2011.0-2016.0 APC = -4.41^



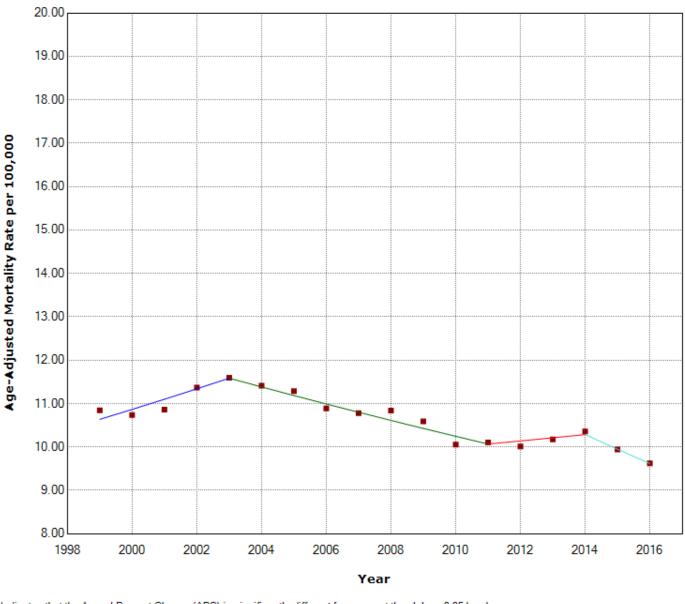
[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 3 Joinpoints.

A00-B99 (Certain infectious and parasitic diseases) / NH whites: 3 Joinpoints

Observed

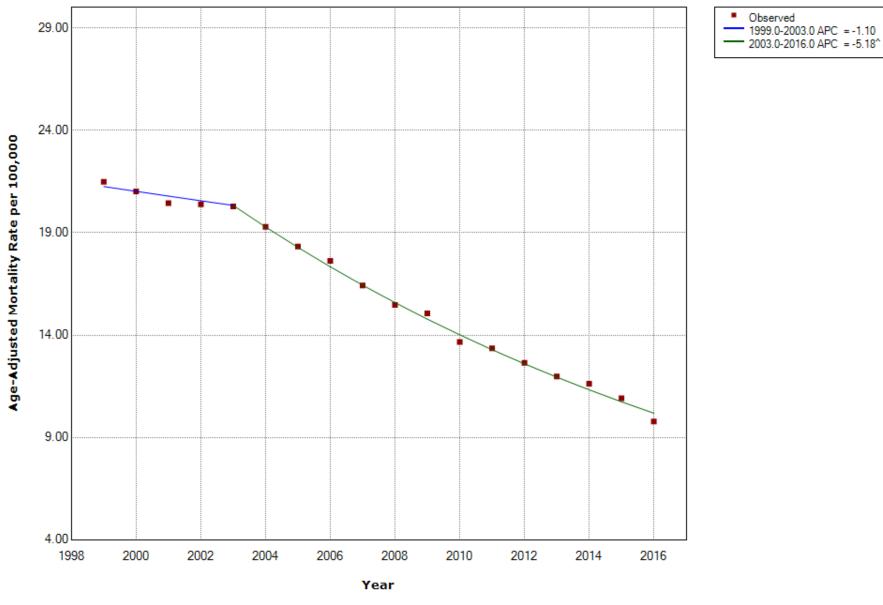
= 1999.0-2003.0 APC = 2.16^ = 2003.0-2011.0 APC = -1.74^ = 2011.0-2014.0 APC = 0.72

2014.0-2016.0 APC = -3.29



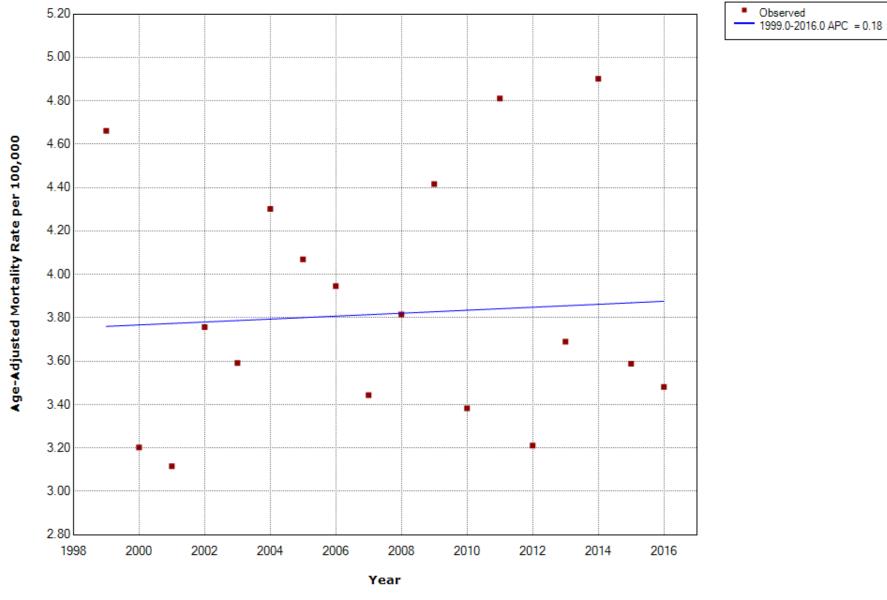
[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 3 Joinpoints.

A00-B99 (Certain infectious and parasitic diseases) / Hispanics: 1 Joinpoint

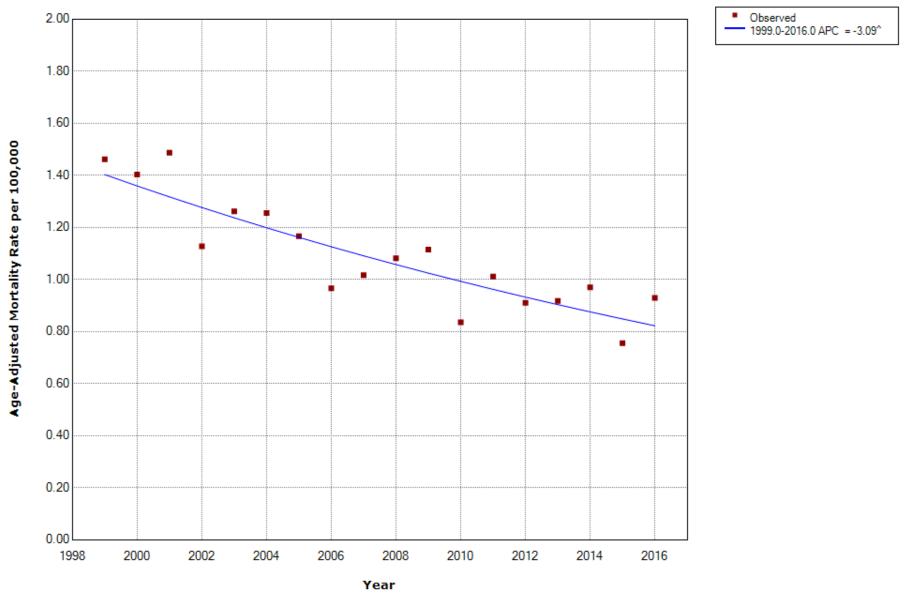


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 1 Joinpoint.

M00-M99 (Diseases of the musculoskeletal system and connective tissue) / NH AIAN: 0 Joinpoints



[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 0 Joinpoints.

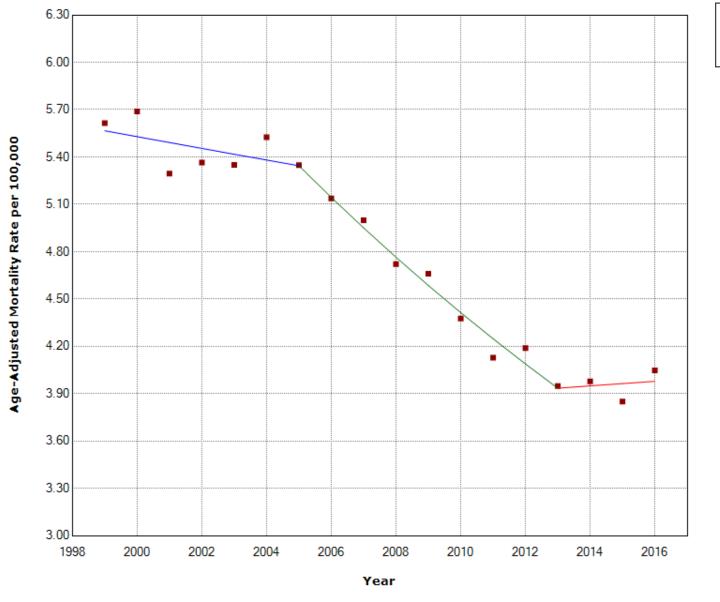


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 0 Joinpoints.

M00-M99 (Diseases of the musculoskeletal system and connective tissue) / NH Blacks: 2 Joinpoints

Observed

= 1999.0-2005.0 APC = -0.68 = 2005.0-2013.0 APC = -3.75^ = 2013.0-2016.0 APC = 0.37

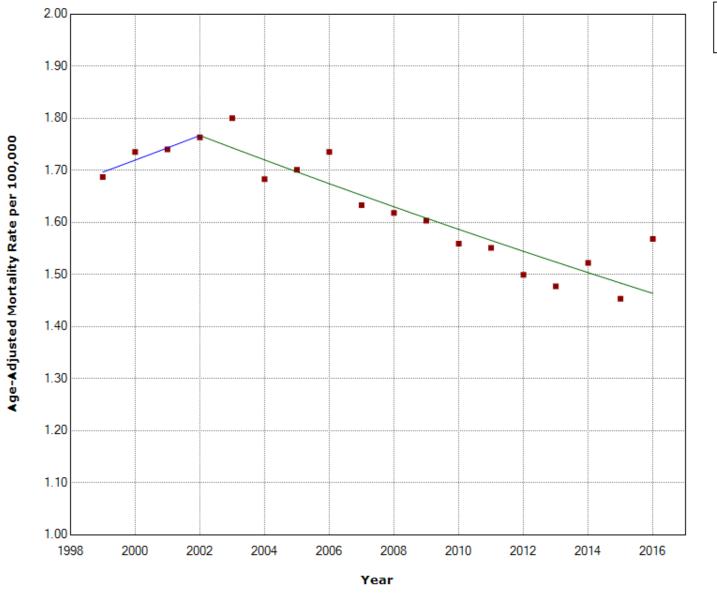


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 2 Joinpoints.

M00-M99 (Diseases of the musculoskeletal system and connective tissue) / NH whites: 1 Joinpoint

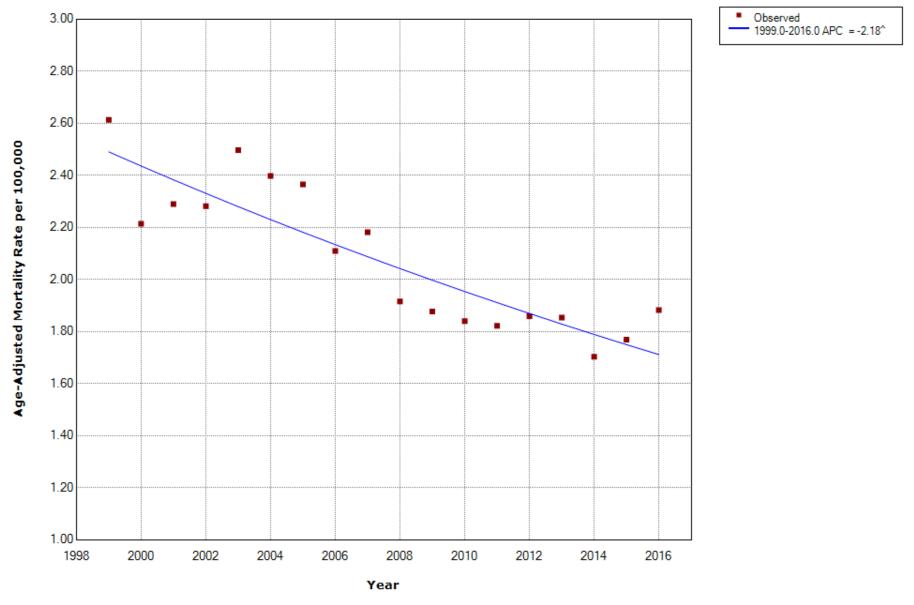
Observed

1999.0-2002.0 APC = 1.36 2002.0-2016.0 APC = -1.34^



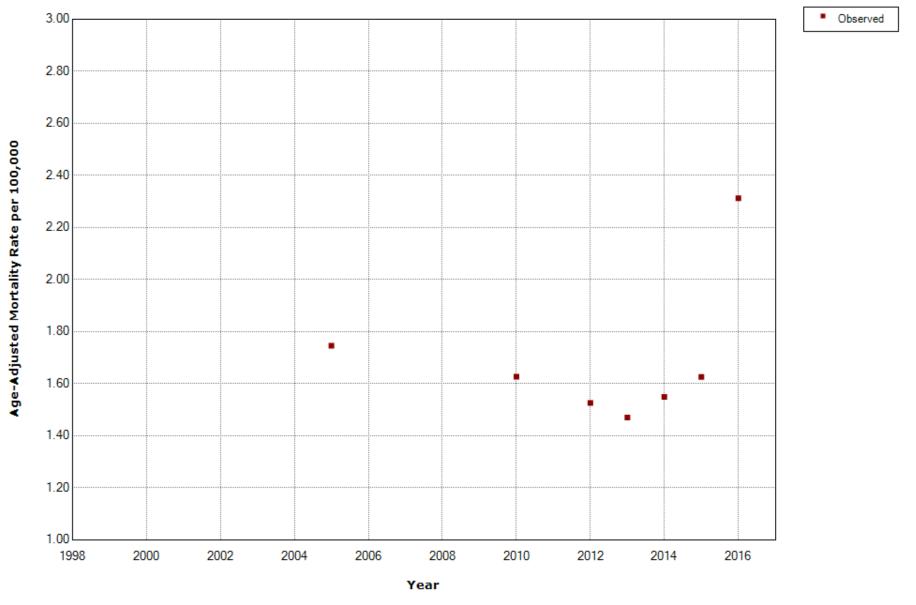
[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 1 Joinpoint.

M00-M99 (Diseases of the musculoskeletal system and connective tissue) / Hispanics: 0 Joinpoints



[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 0 Joinpoints.

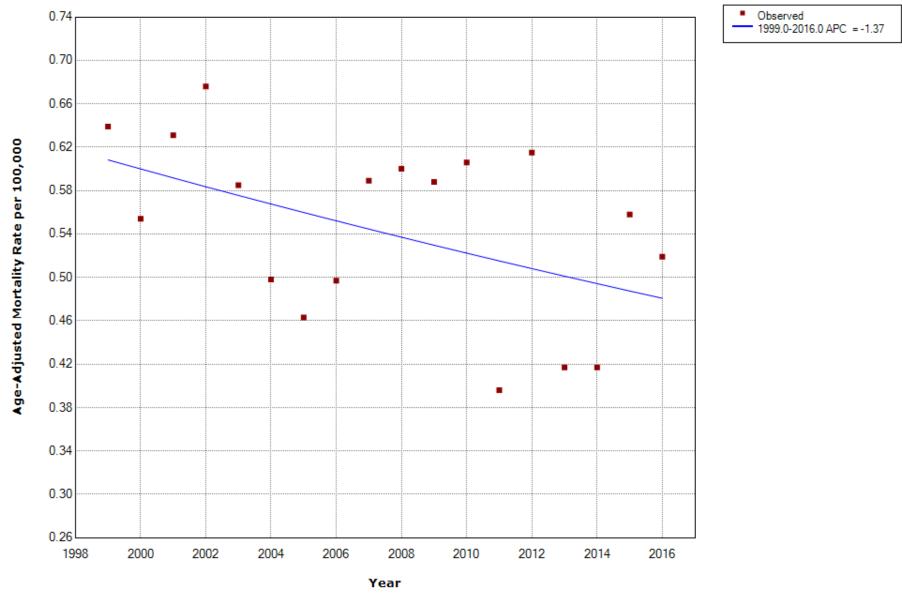
Q00-Q99 (Congenital malformations, deformations and chromosomal abnormalities) / NH AIAN: Observed



[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level.

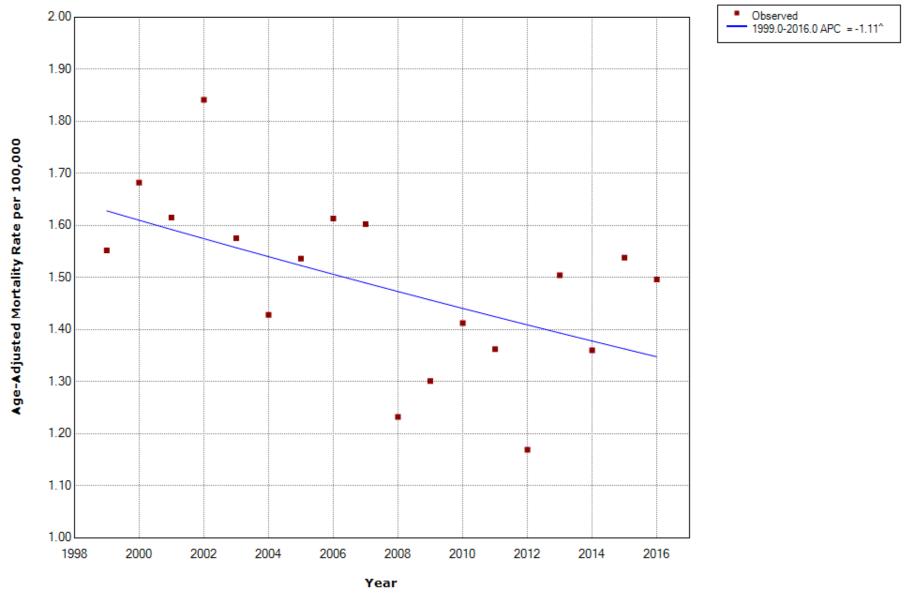
** Joinpoint cannot process records with missing dependent variable values. Joinpoint will not analyze by-groups that have this error. (Row = 1260, Col = 1)

Q00-Q99 (Congenital malformations, deformations and chromosomal abnormalities) / NH API: 0 Joinpoints



[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 0 Joinpoints.

Q00-Q99 (Congenital malformations, deformations and chromosomal abnormalities) / NH Blacks: 0 Joinpoints

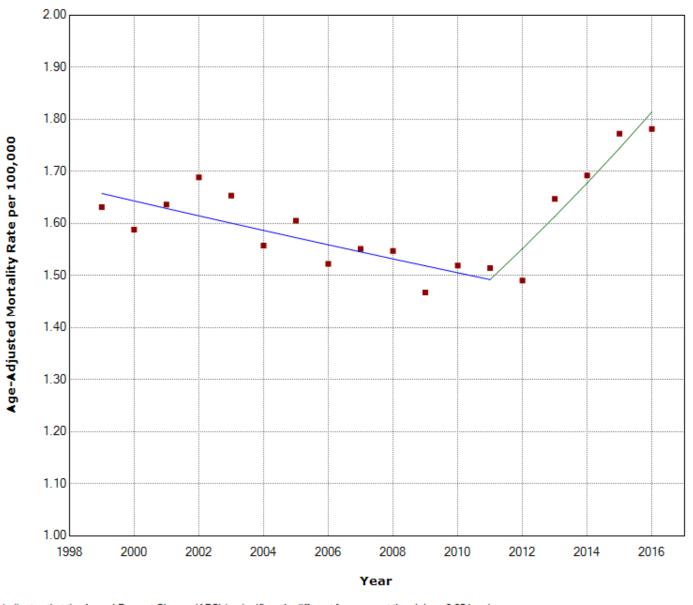


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 0 Joinpoints.

Q00-Q99 (Congenital malformations, deformations and chromosomal abnormalities) / NH whites: 1 Joinpoint

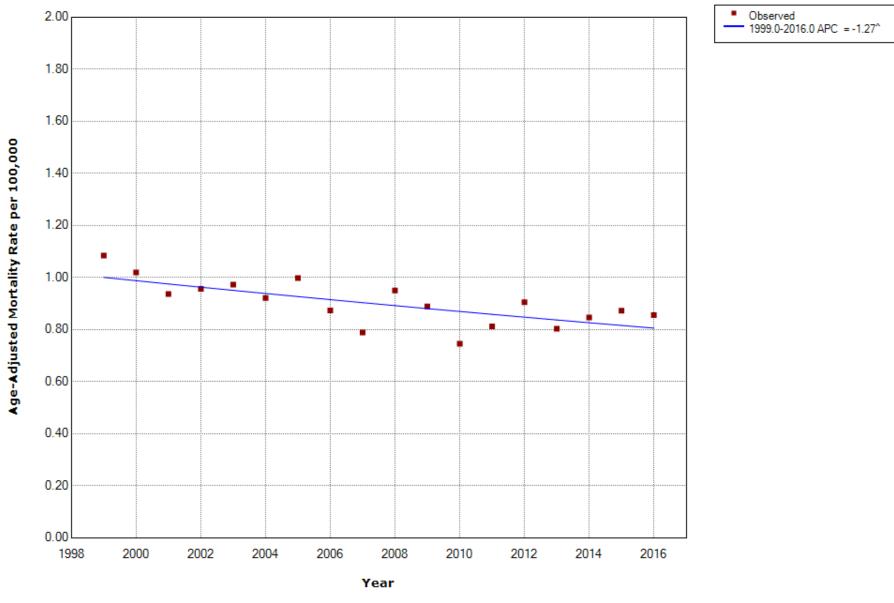
Observed

= 1999.0-2011.0 APC = -0.87[^] = 2011.0-2016.0 APC = 3.98[^]



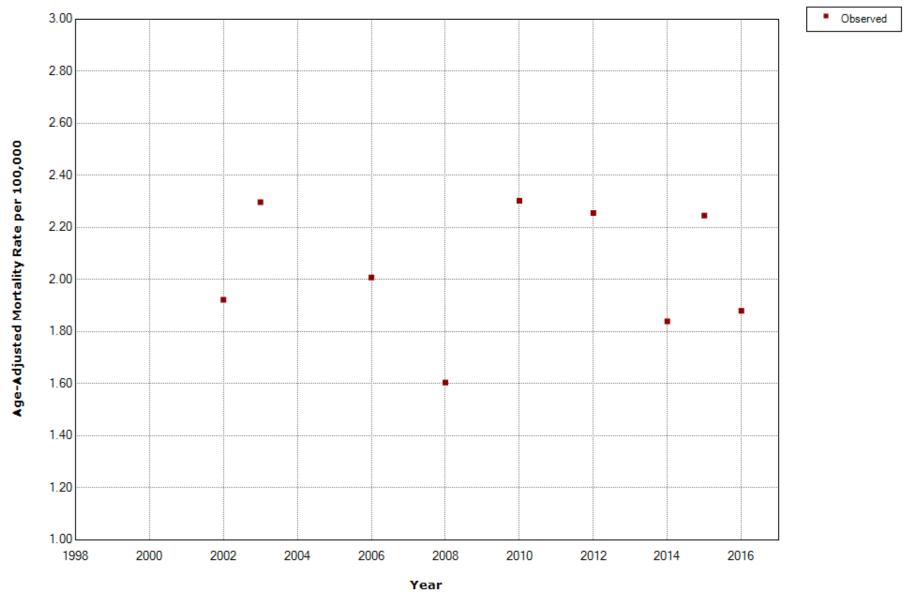
[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 1 Joinpoint.

Q00-Q99 (Congenital malformations, deformations and chromosomal abnormalities) / Hispanics: 0 Joinpoints



[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 0 Joinpoints.

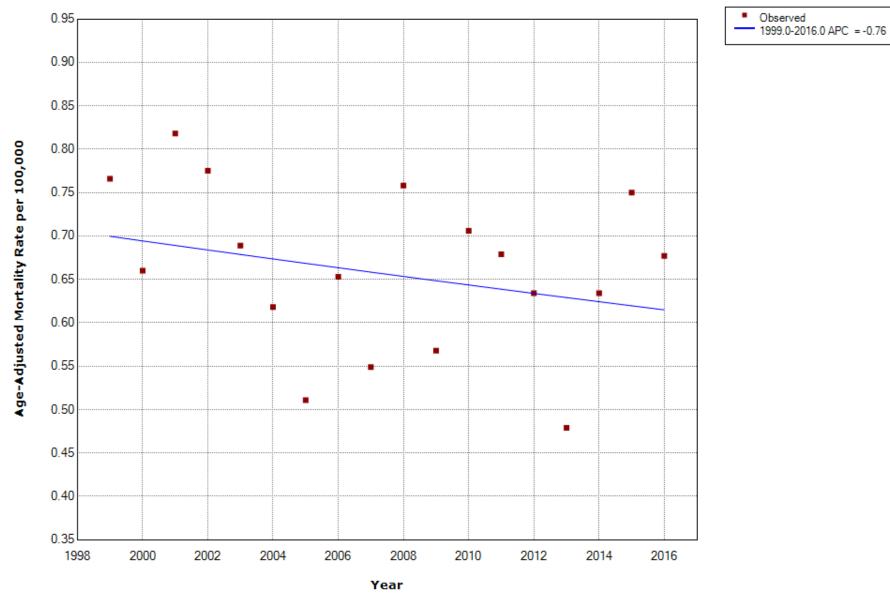
D50-D89 (Diseases of the blood and immune mechanism) / NH AIAN: Observed



[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level.

** Joinpoint cannot process records with missing dependent variable values. Joinpoint will not analyze by-groups that have this error. (Row = 1350, Col = 1)

D50-D89 (Diseases of the blood and immune mechanism) / NH API: 0 Joinpoints

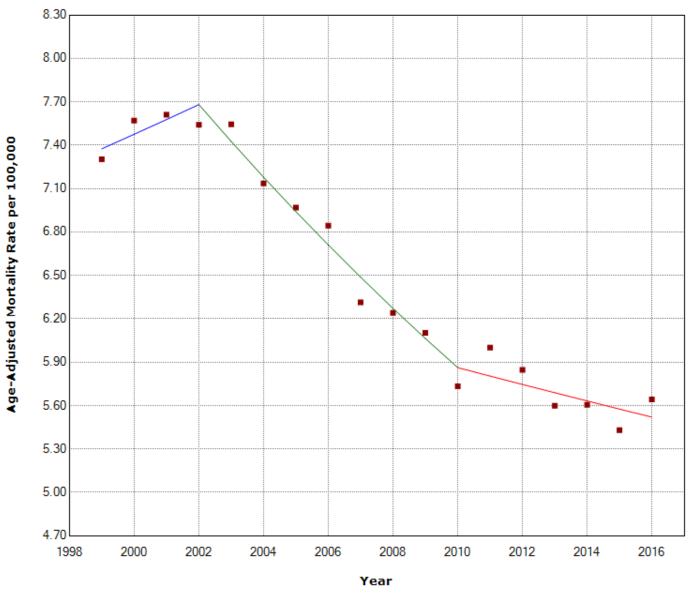


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 0 Joinpoints.

D50-D89 (Diseases of the blood and immune mechanism) / NH Blacks: 2 Joinpoints

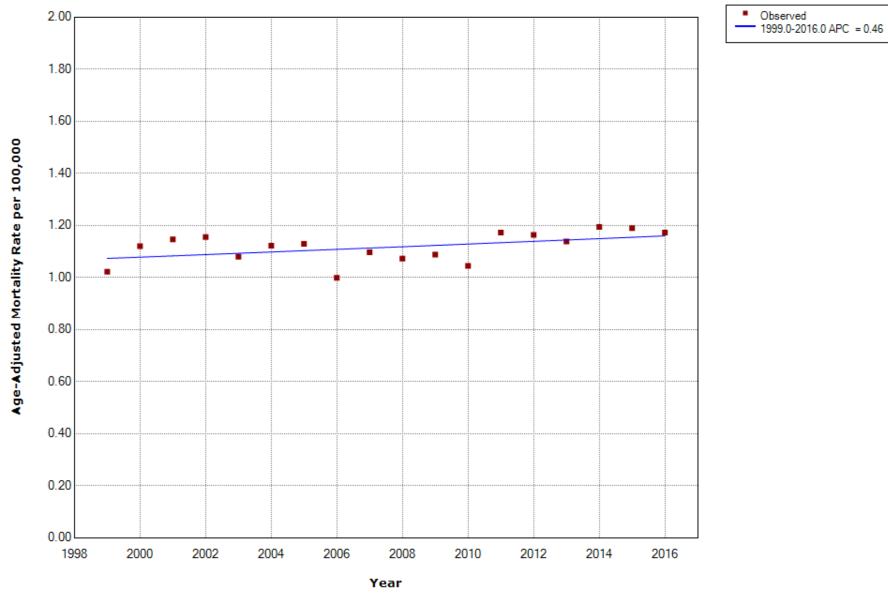
Observed

= 1999.0-2002.0 APC = 1.36 = 2002.0-2010.0 APC = -3.32^ = 2010.0-2016.0 APC = -1.00



[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 2 Joinpoints.

D50-D89 (Diseases of the blood and immune mechanism) / NH whites: 0 Joinpoints

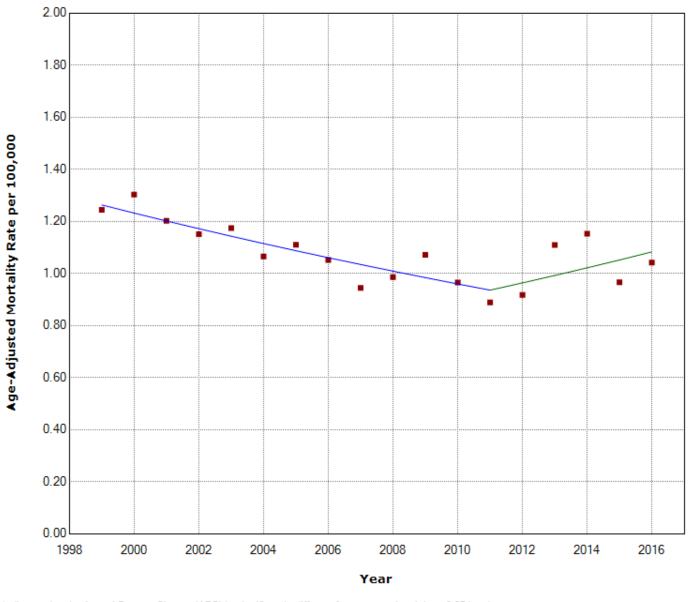


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 0 Joinpoints.

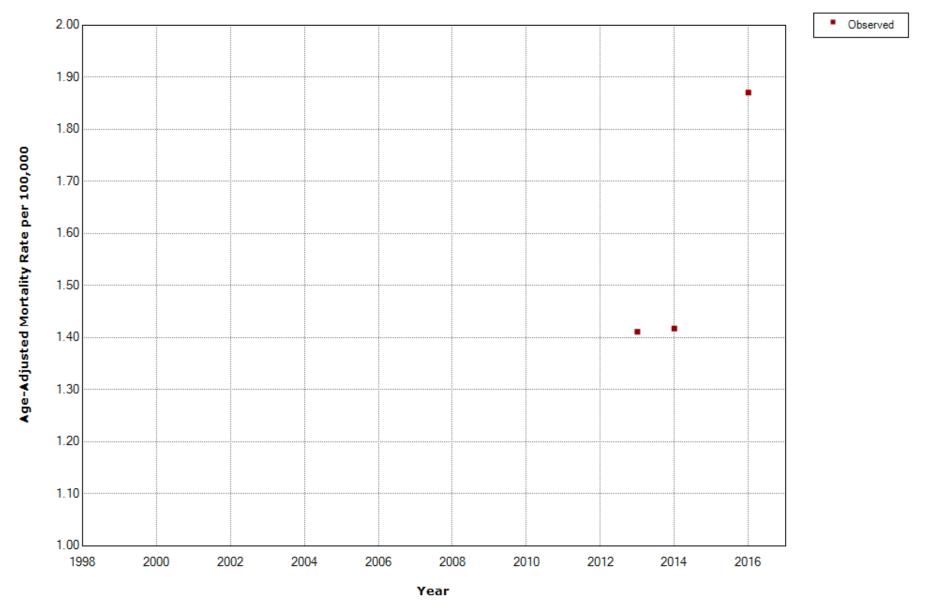
D50-D89 (Diseases of the blood and immune mechanism) / Hispanics: 1 Joinpoint

Observed

1999.0-2011.0 APC = -2.47[^] 2011.0-2016.0 APC = 2.96

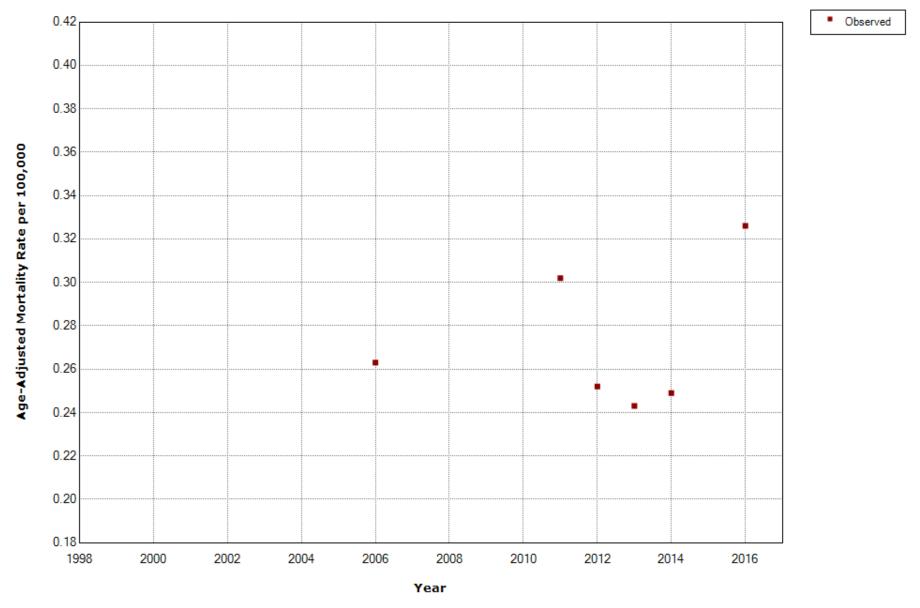


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 1 Joinpoint.



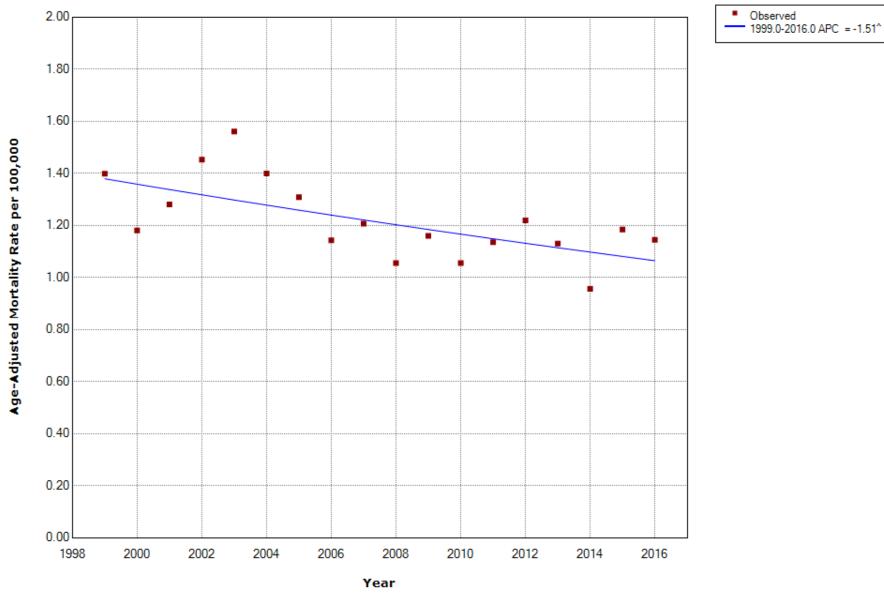
[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level.

** Joinpoint cannot process records with missing dependent variable values. Joinpoint will not analyze by-groups that have this error. (Row = 1440, Col = 1)



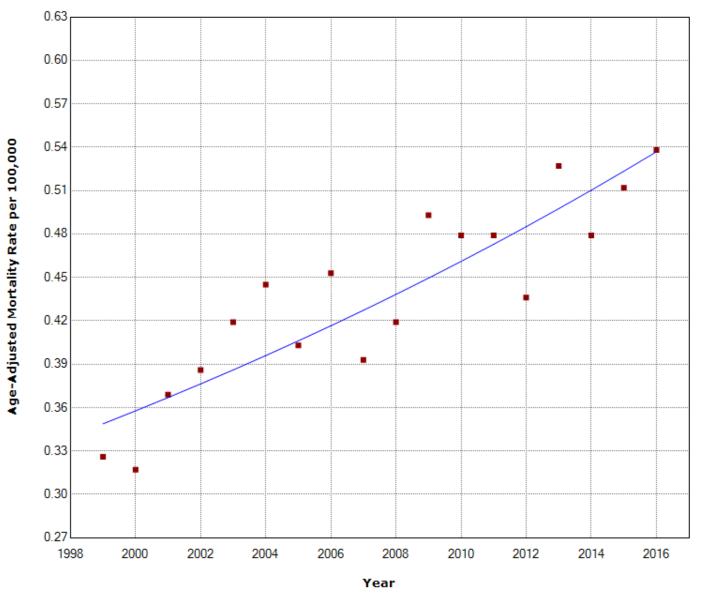
[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level.

** Joinpoint cannot process records with missing dependent variable values. Joinpoint will not analyze by-groups that have this error. (Row = 1458, Col = 1)

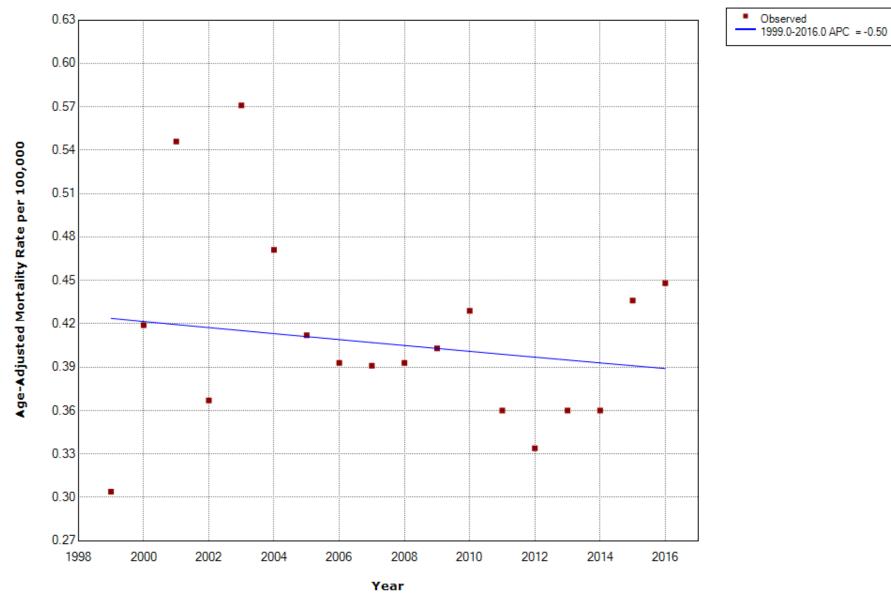


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 0 Joinpoints.

Observed 1999.0-2016.0 APC = 2.57^



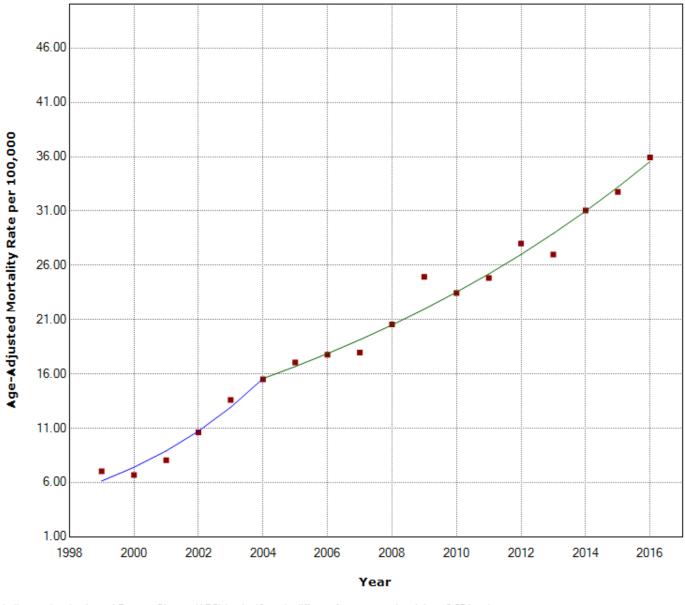
[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 0 Joinpoints.



[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 0 Joinpoints.

Accidental drug poisoning (X40-X44) / NH AIAN: 1 Joinpoint

Observed 1999.0-2004.0 APC = 20.45^ 2004.0-2016.0 APC = 7.13^



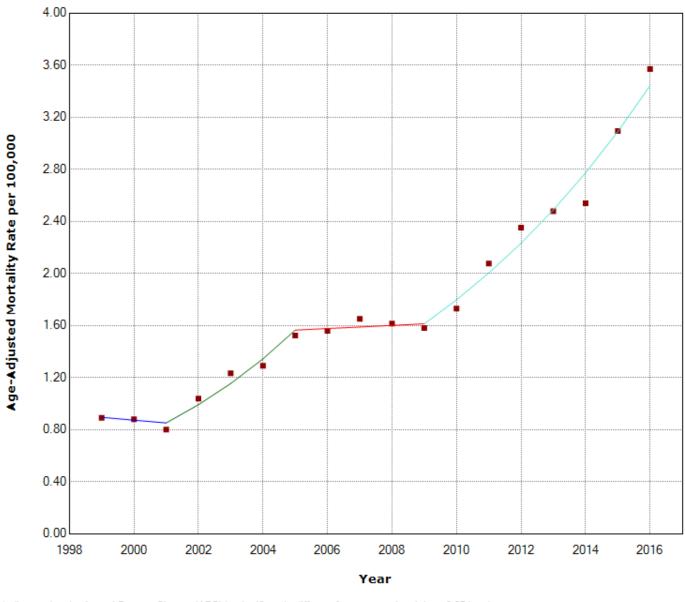
[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 1 Joinpoint.

Accidental drug poisoning (X40-X44) / NH API: 3 Joinpoints

Observed

1999.0-2001.0 APC = -2.43 2001.0-2005.0 APC = 16.42^ 2005.0-2009.0 APC = 0.76

2009.0-2016.0 APC = 11.44[^]

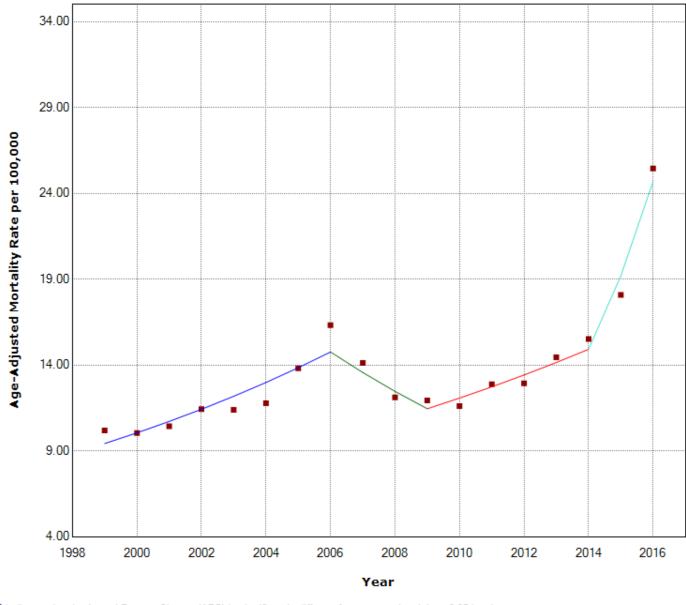


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 3 Joinpoints.

Accidental drug poisoning (X40-X44) / NH Blacks: 3 Joinpoints

Observed

1999.0-2006.0 APC = 6.61^ 2006.0-2009.0 APC = -8.10 2009.0-2014.0 APC = 5.42^ 2014.0-2016.0 APC = 28.67^

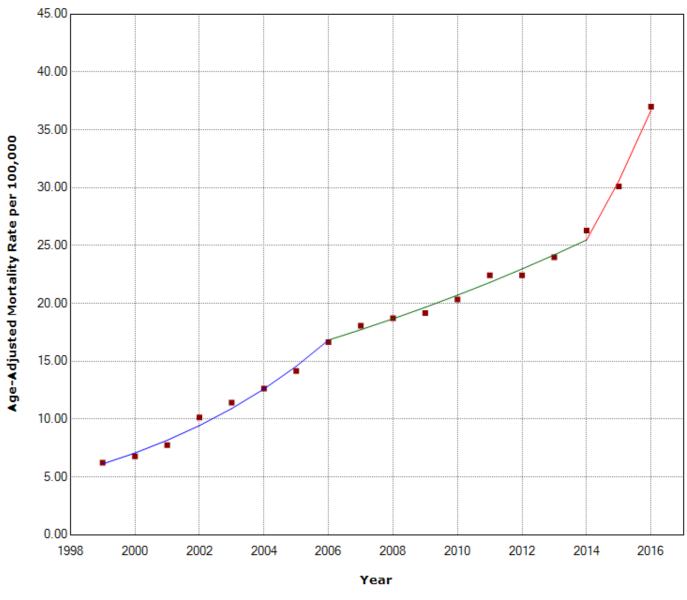


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 3 Joinpoints.

Accidental drug poisoning (X40-X44) / NH whites: 2 Joinpoints

Observed

1999.0-2006.0 APC = 15.55[^] 2006.0-2014.0 APC = 5.32[^] 2014.0-2016.0 APC = 20.01[^]

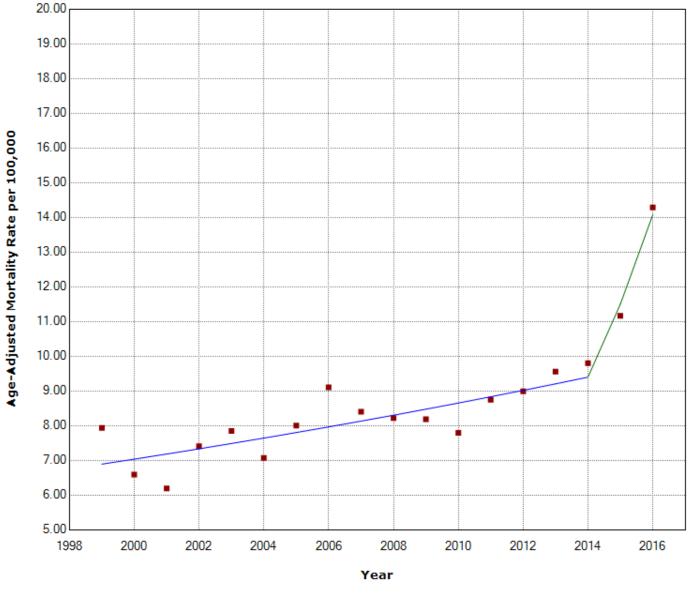


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 2 Joinpoints.

Accidental drug poisoning (X40-X44) / Hispanics: 1 Joinpoint

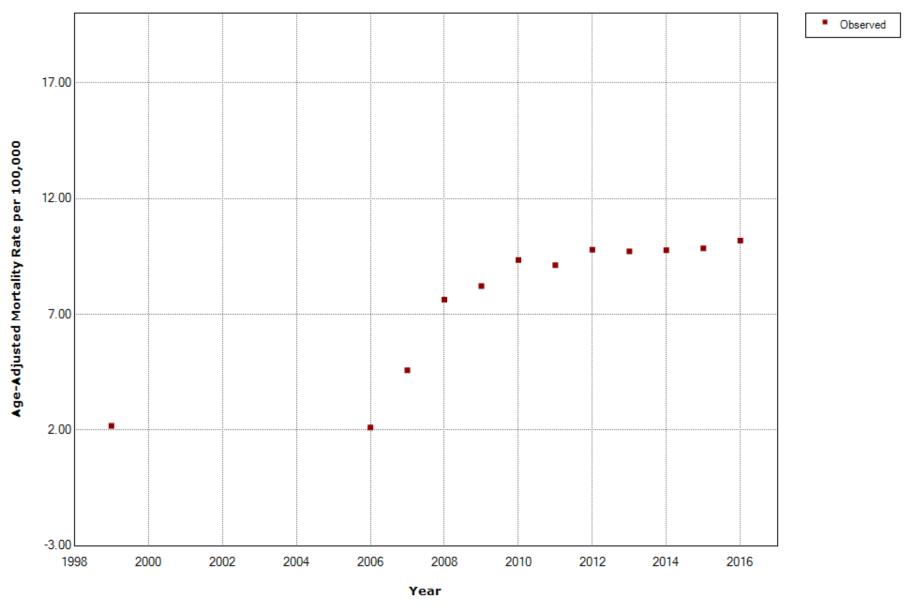
Observed

1999.0-2014.0 APC = 2.09[^] 2014.0-2016.0 APC = 22.38



[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 1 Joinpoint.

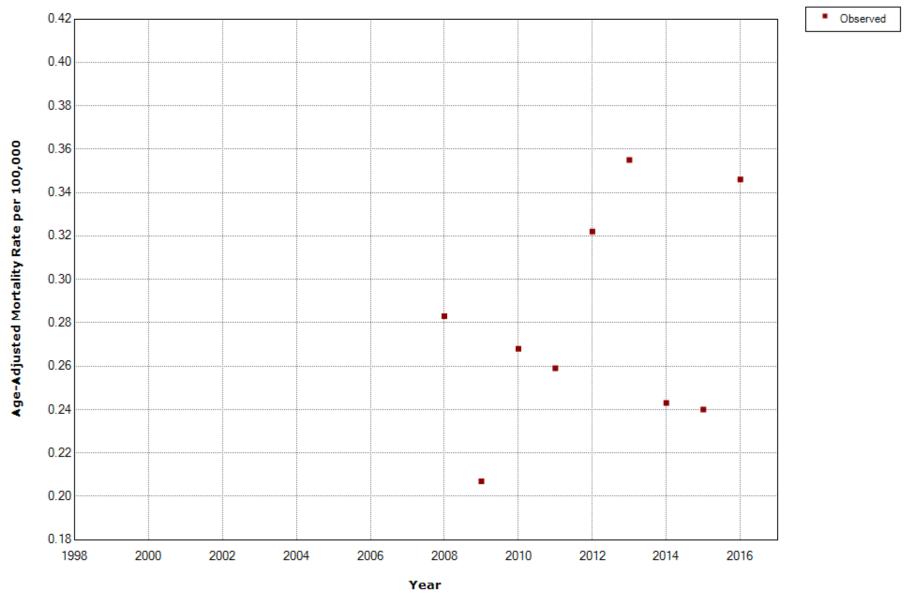
Accidental alcohol poisoning (X45) / NH AIAN: Observed



[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level.

** Joinpoint cannot process records with missing dependent variable values. Joinpoint will not analyze by-groups that have this error. (Row = 91, Col = 1)

Accidental alcohol poisoning (X45) / NH API: Observed



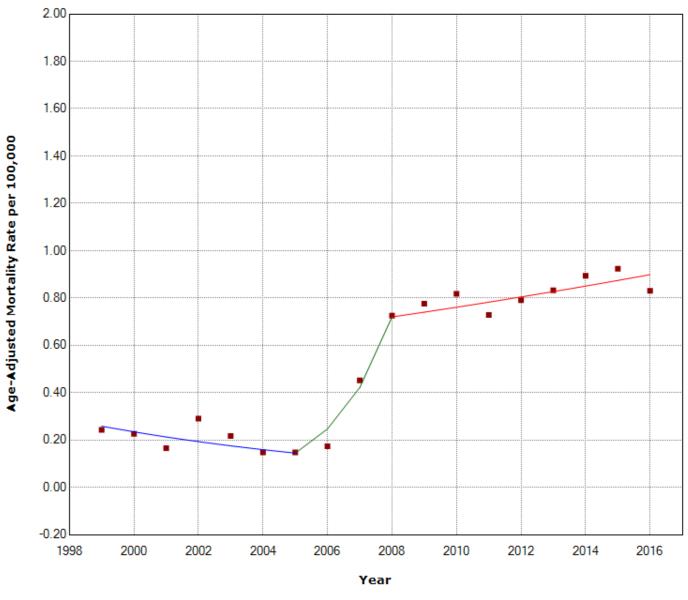
[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level.

** Joinpoint cannot process records with missing dependent variable values. Joinpoint will not analyze by-groups that have this error. (Row = 108, Col = 1)

Accidental alcohol poisoning (X45) / NH Blacks: 2 Joinpoints

Observed

1999.0-2005.0 APC = -9.20^ 2005.0-2008.0 APC = 70.64^ 2008.0-2016.0 APC = 2.81

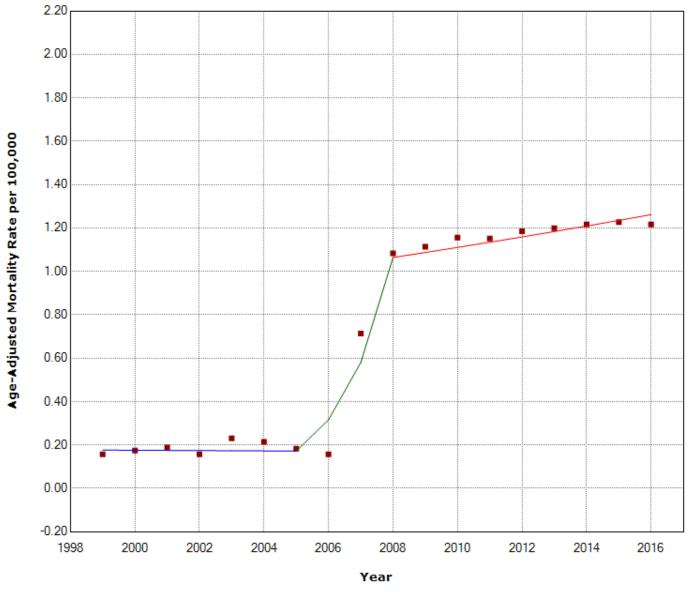


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 2 Joinpoints.

Accidental alcohol poisoning (X45) / NH whites: 2 Joinpoints

Observed

1999.0-2005.0 APC = -0.40 2005.0-2008.0 APC = 83.49^ 2008.0-2016.0 APC = 2.15

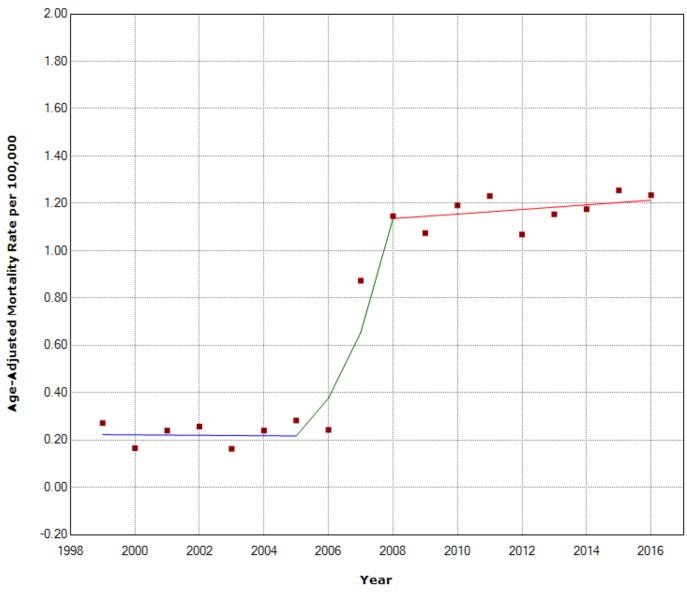


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 2 Joinpoints.

Accidental alcohol poisoning (X45) / Hispanics: 2 Joinpoints

Observed

1999.0-2005.0 APC = -0.44 2005.0-2008.0 APC = 73.49^ 2008.0-2016.0 APC = 0.83

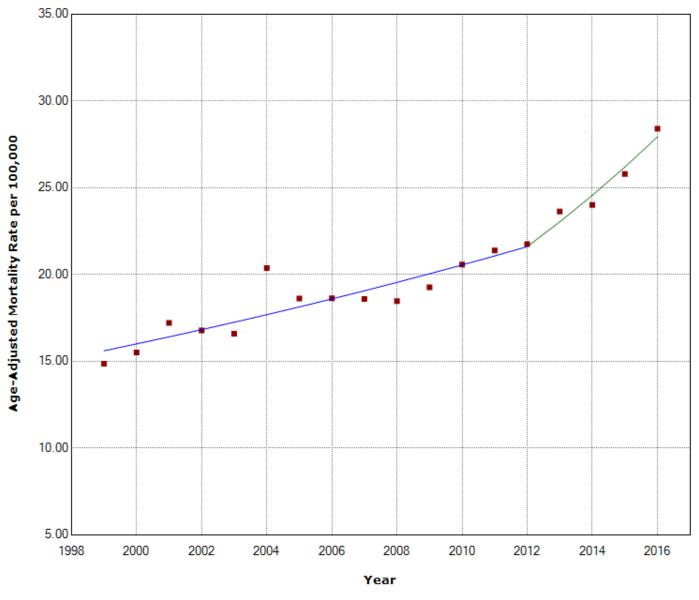


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 2 Joinpoints.

Suicide (X60-X84) / NH AIAN: 1 Joinpoint

Observed

1999.0-2012.0 APC = 2.53[^] 2012.0-2016.0 APC = 6.63[^]

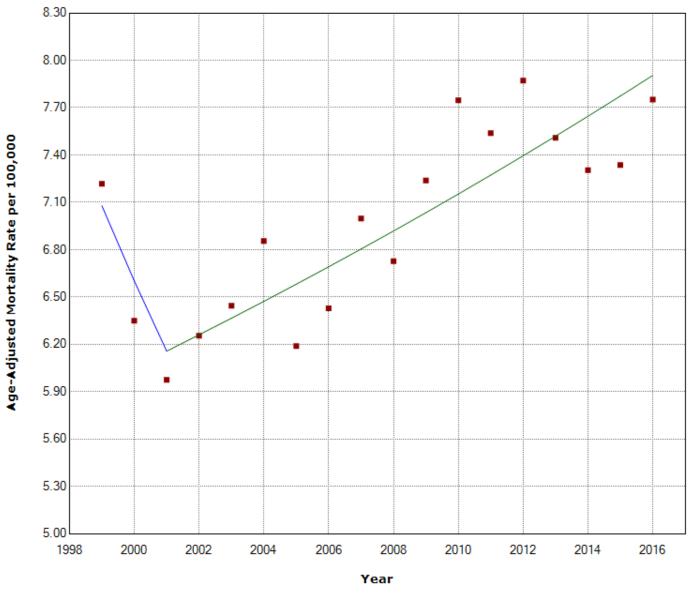


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 1 Joinpoint.

Suicide (X60-X84) / NH API: 1 Joinpoint

Observed

1999.0-2001.0 APC = -6.74 2001.0-2016.0 APC = 1.68^

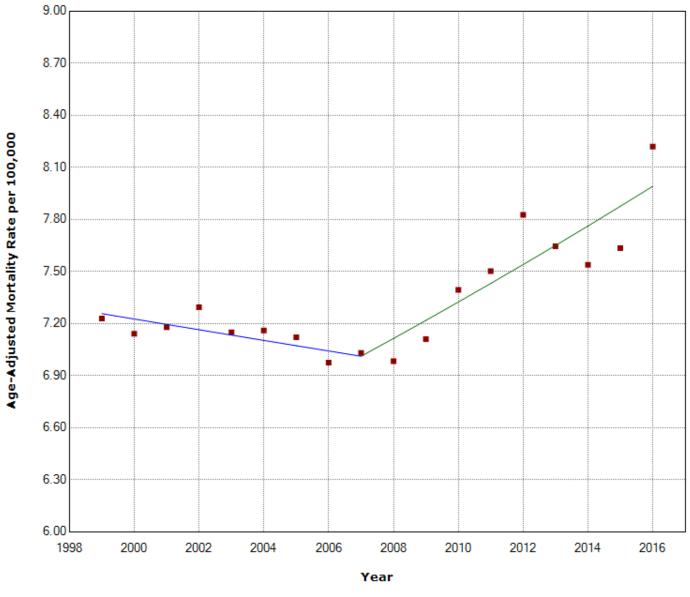


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 1 Joinpoint.

Suicide (X60-X84) / NH Blacks: 1 Joinpoint

Observed

1999.0-2007.0 APC = -0.43 2007.0-2016.0 APC = 1.46^

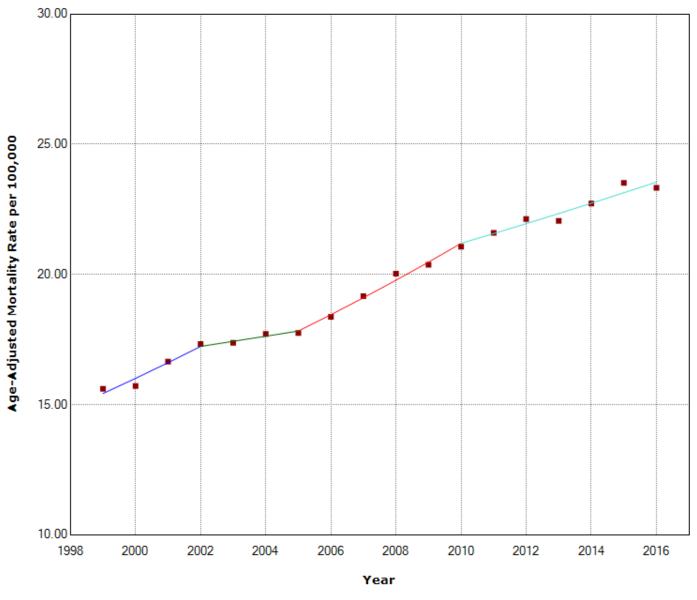


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 1 Joinpoint.

Suicide (X60-X84) / NH whites: 3 Joinpoints

Observed

1999.0-2002.0 APC = 3.76^ 2002.0-2005.0 APC = 1.13 2005.0-2010.0 APC = 3.52^ 2010.0-2016.0 APC = 1.77^

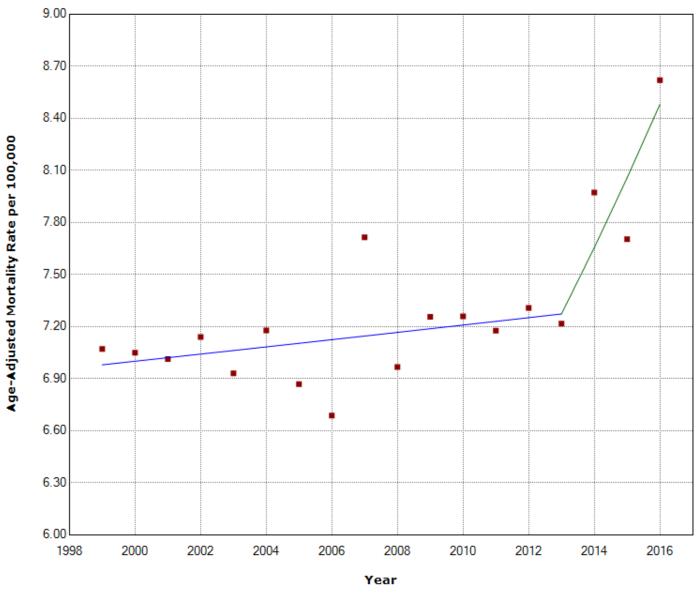


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 3 Joinpoints.

Suicide (X60-X84) / Hispanics: 1 Joinpoint

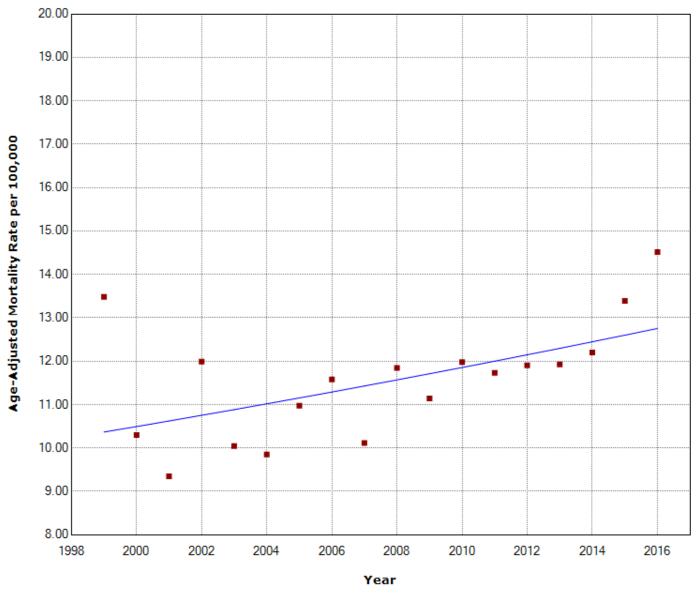
Observed

1999.0-2013.0 APC = 0.29 2013.0-2016.0 APC = 5.25



[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 1 Joinpoint.

Homicide (X85-Y09) / NH AIAN: 0 Joinpoints



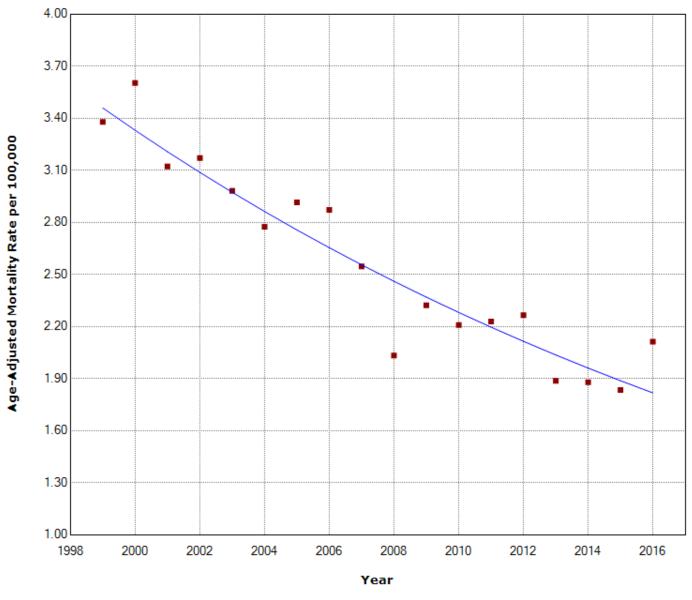
[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 0 Joinpoints.

Observed 1999.0-2016.0 APC = 1.23^

Homicide (X85-Y09) / NH API: 0 Joinpoints

Observed

1999.0-2016.0 APC = -3.71[^]



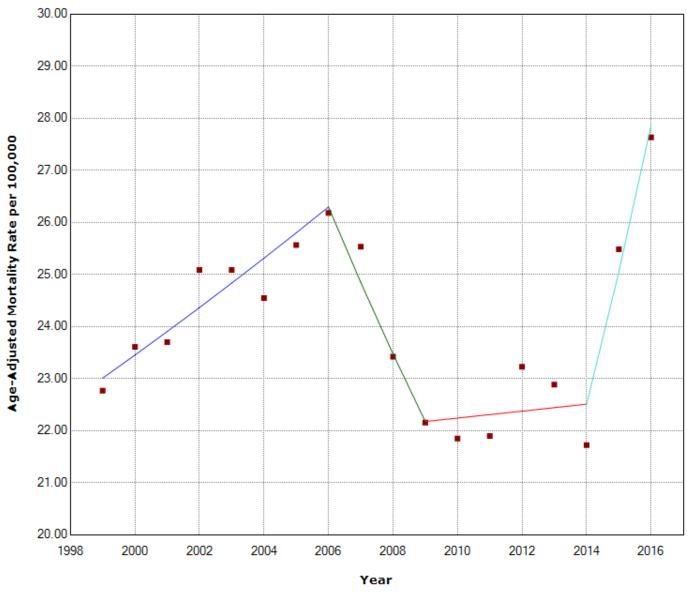
[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 0 Joinpoints.

Homicide (X85-Y09) / NH Blacks: 3 Joinpoints

Observed

1999.0-2006.0 APC = 1.93[^] 2006.0-2009.0 APC = -5.52 2009.0-2014.0 APC = 0.30

2014.0-2016.0 APC = 11.28[^]

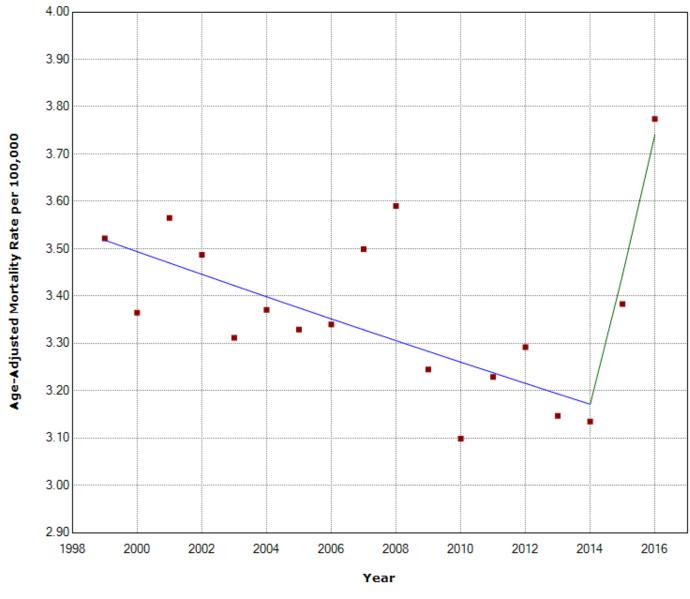


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 3 Joinpoints.

Homicide (X85-Y09) / NH whites: 1 Joinpoint

Observed

1999.0-2014.0 APC = -0.69[^] 2014.0-2016.0 APC = 8.60

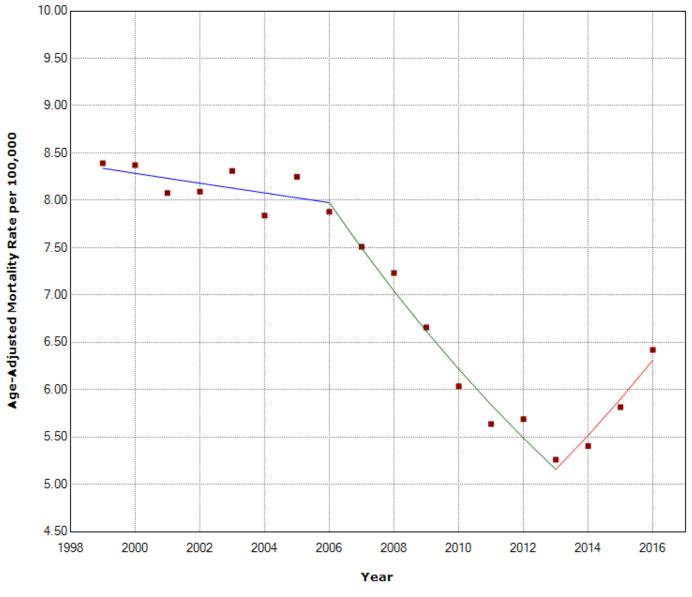


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 1 Joinpoint.

Homicide (X85-Y09) / Hispanics: 2 Joinpoints

Observed

= 1999.0-2006.0 APC = -0.63 = 2006.0-2013.0 APC = -6.04^ = 2013.0-2016.0 APC = 6.97^

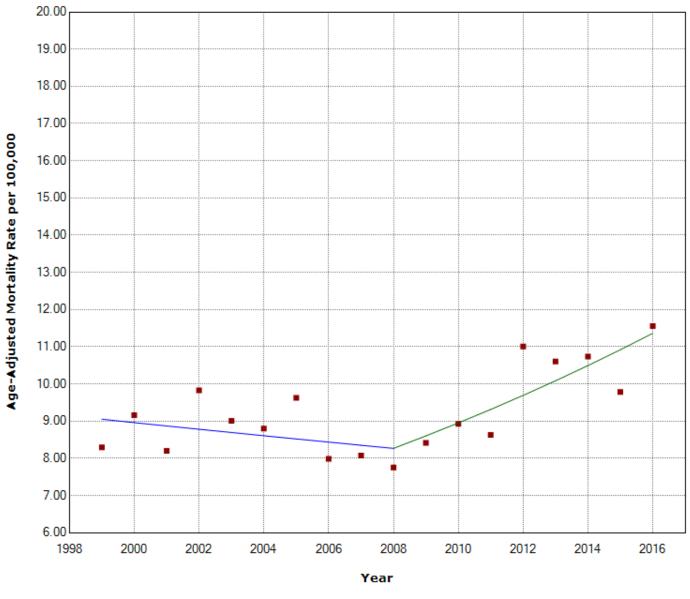


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 2 Joinpoints.

Accidental falls, drowning, fire (W00-W19, W65-W74, X00-X09) / NH AIAN: 1 Joinpoint

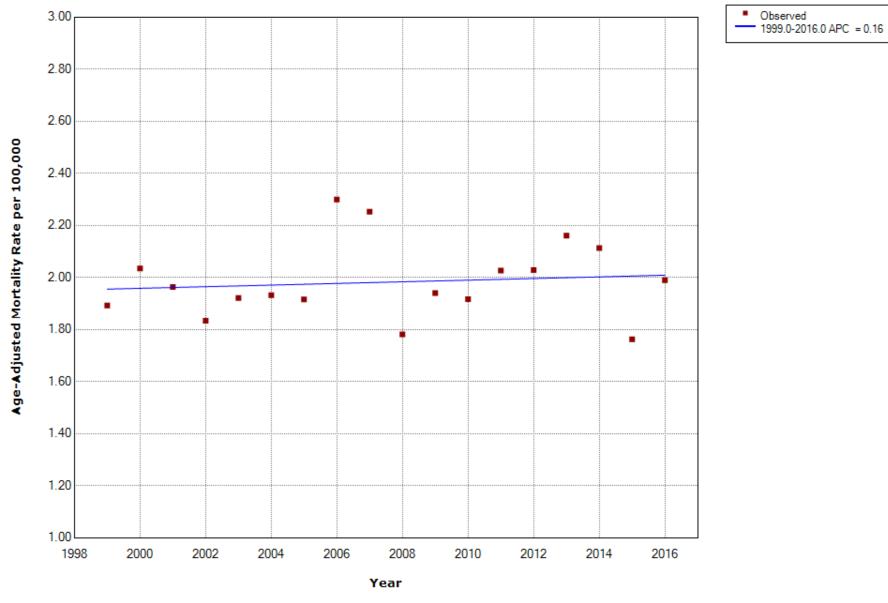
Observed

1999.0-2008.0 APC = -1.00 2008.0-2016.0 APC = 4.05^



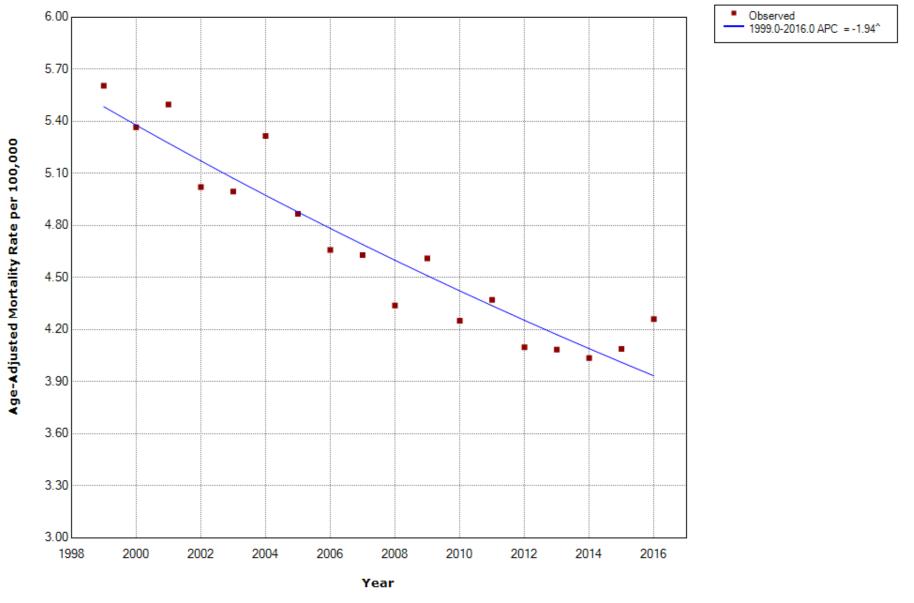
[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 1 Joinpoint.

Accidental falls, drowning, fire (W00-W19, W65-W74, X00-X09) / NH API: 0 Joinpoints



[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 0 Joinpoints.

Accidental falls, drowning, fire (W00-W19, W65-W74, X00-X09) / NH Blacks: 0 Joinpoints

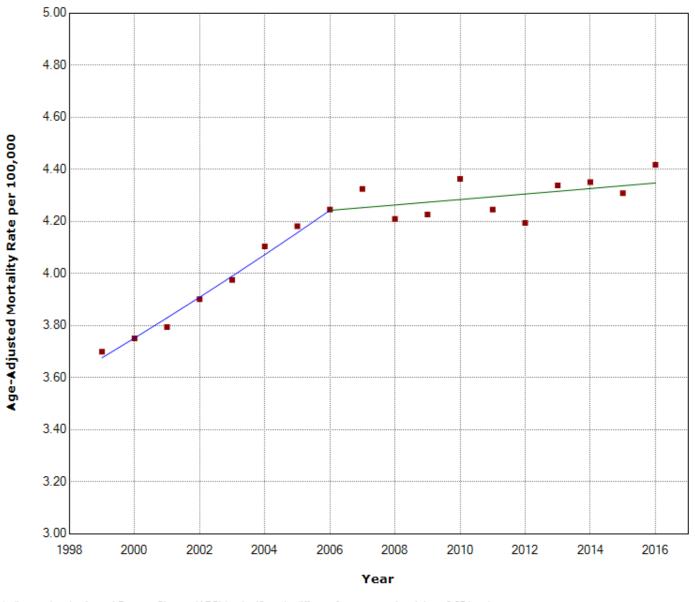


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 0 Joinpoints.

Accidental falls, drowning, fire (W00-W19, W65-W74, X00-X09) / NH whites: 1 Joinpoint

Observed

1999.0-2006.0 APC = 2.07[^] 2006.0-2016.0 APC = 0.25

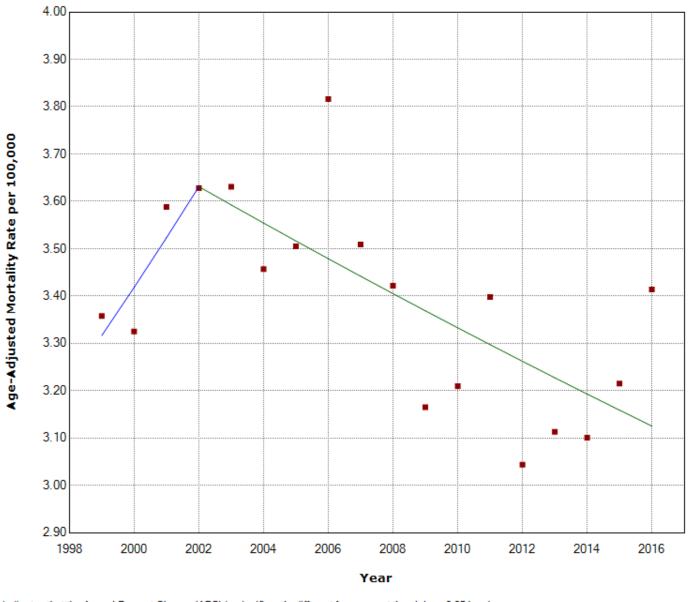


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 1 Joinpoint.

Accidental falls, drowning, fire (W00-W19, W65-W74, X00-X09) / Hispanics: 1 Joinpoint

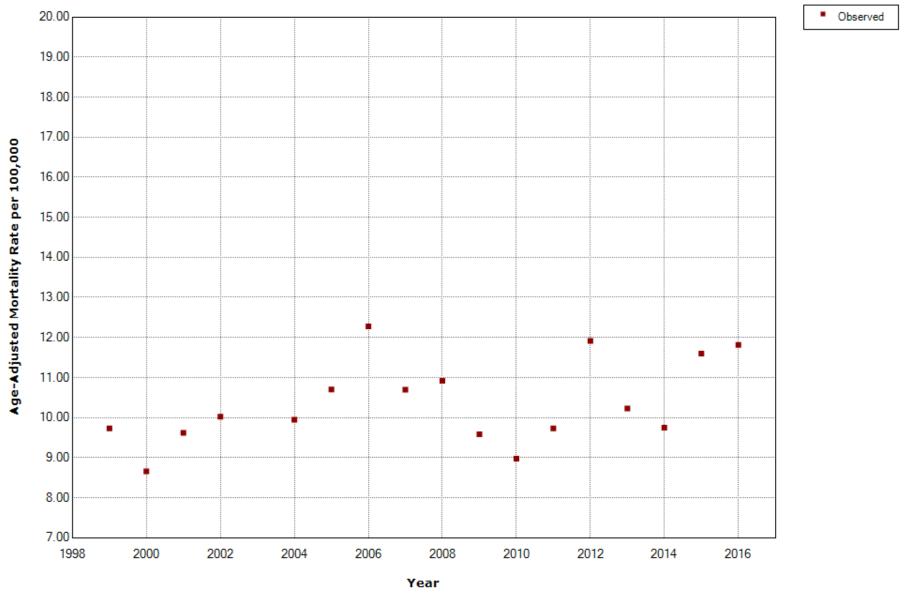
Observed

1999.0-2002.0 APC = 3.07 2002.0-2016.0 APC = -1.07^



[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 1 Joinpoint.

Pedestrian, cyclist, and motorcycle injury in transport accident (V01-V29) / NH AIAN: Observed



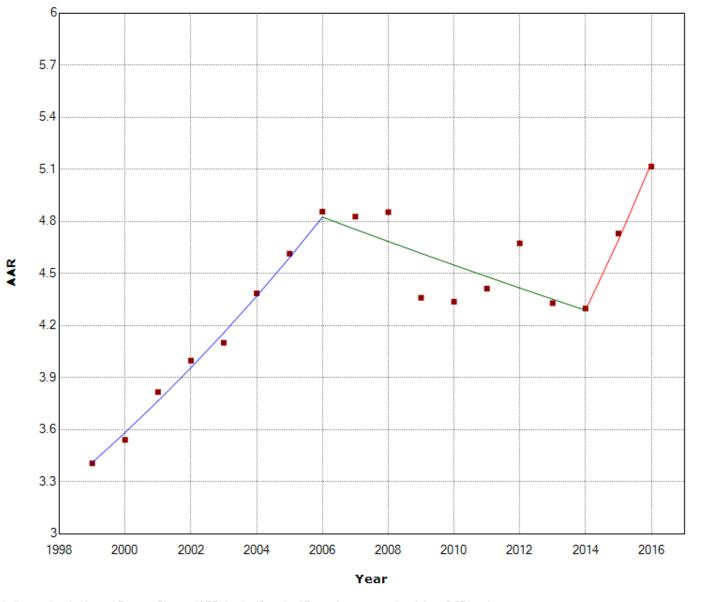
[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level.

** Joinpoint cannot process records with missing dependent variable values. Joinpoint will not analyze by-groups that have this error. (Row = 454, Col = 1)

Pedestrian, cyclist, and motorcycle injury in transport accident (V01-V29) / NH whites: 2 Joinpoints

Observed

- 1999.0-2006.0 APC = 5.08[^] - 2006.0-2014.0 APC = -1.46[^] - 2014.0-2016.0 APC = 9.43

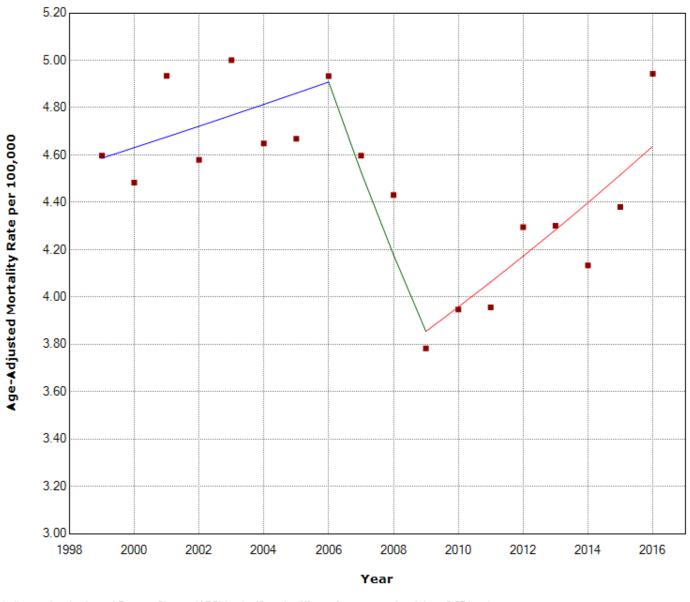


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 2 Joinpoints.

Pedestrian, cyclist, and motorcycle injury in transport accident (V01-V29) / Hispanics: 2 Joinpoints

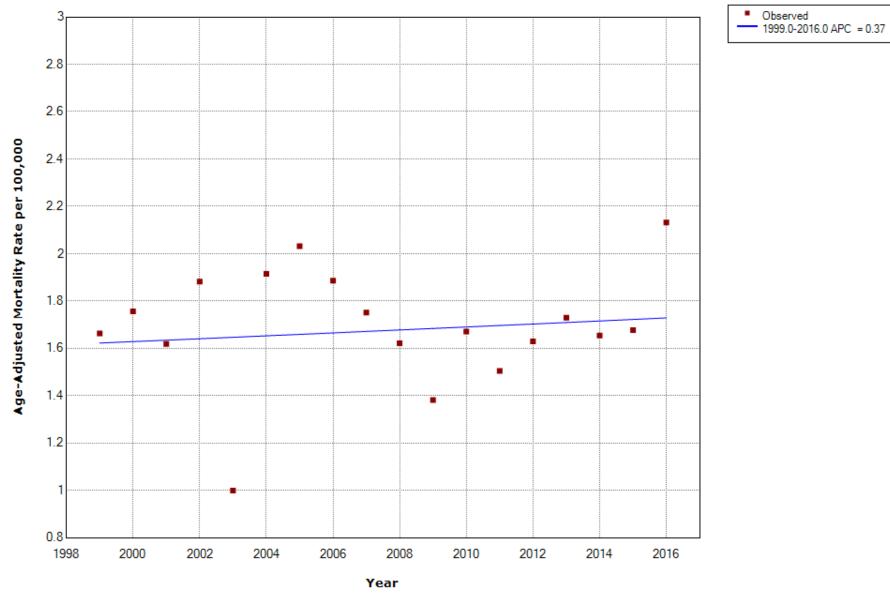
Observed

= 1999.0-2006.0 APC = 0.97 = 2006.0-2009.0 APC = -7.74 = 2009.0-2016.0 APC = 2.67^



[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 2 Joinpoints.

Pedestrian, cyclist, and motorcycle injury in transport accident (V01-V29) / NH API: 0 Joinpoints

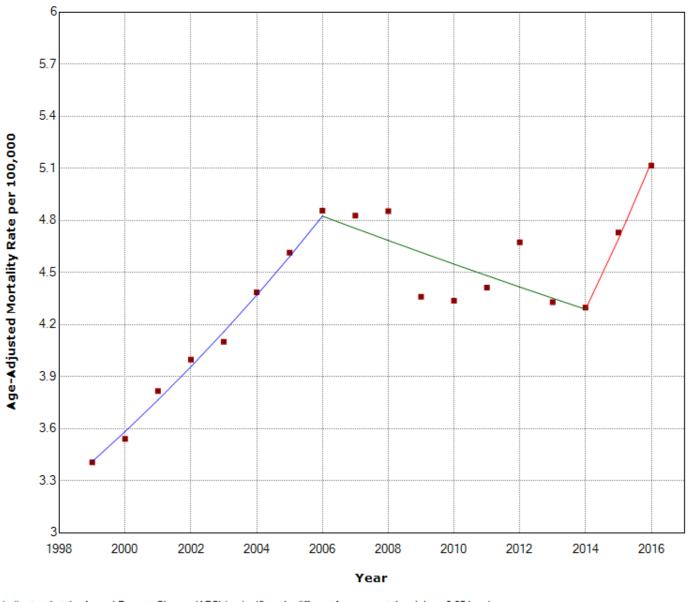


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 0 Joinpoints.

Pedestrian, cyclist, and motorcycle injury in transport accident (V01-V29) / NH whites: 2 Joinpoints

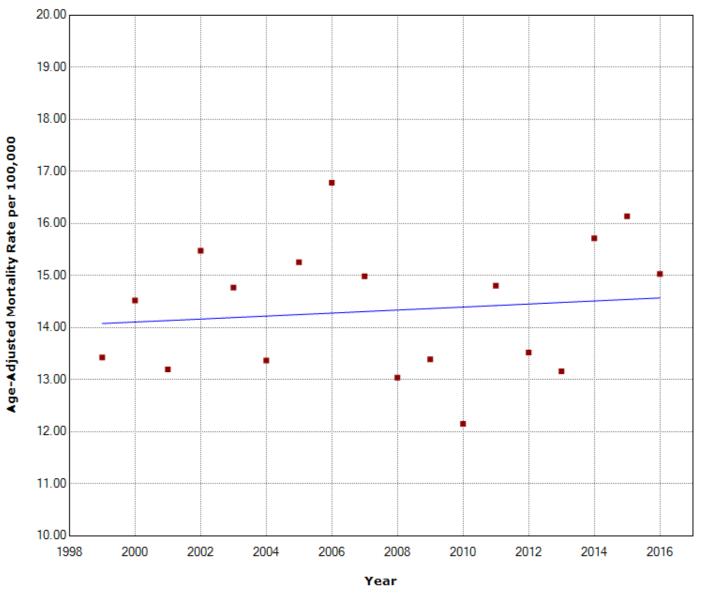
Observed

= 1999.0-2006.0 APC = 5.08^ = 2006.0-2014.0 APC = -1.46^ = 2014.0-2016.0 APC = 9.43



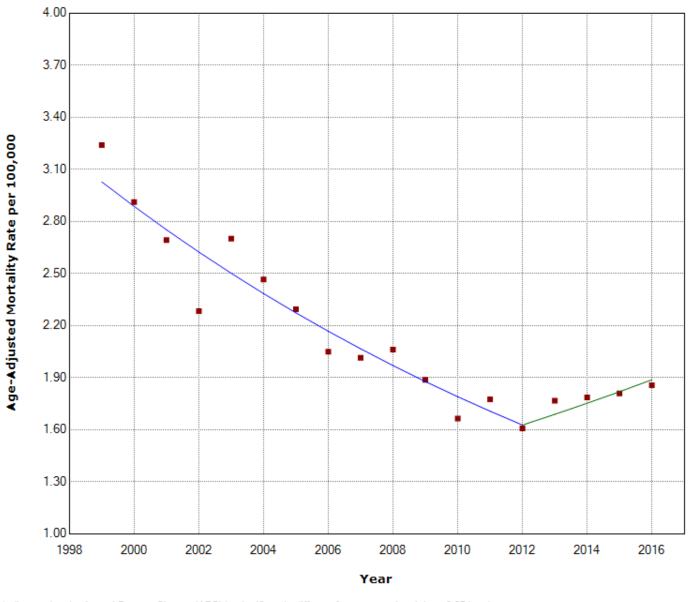
[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 2 Joinpoints.

Observed 1999.0-2016.0 APC = 0.20



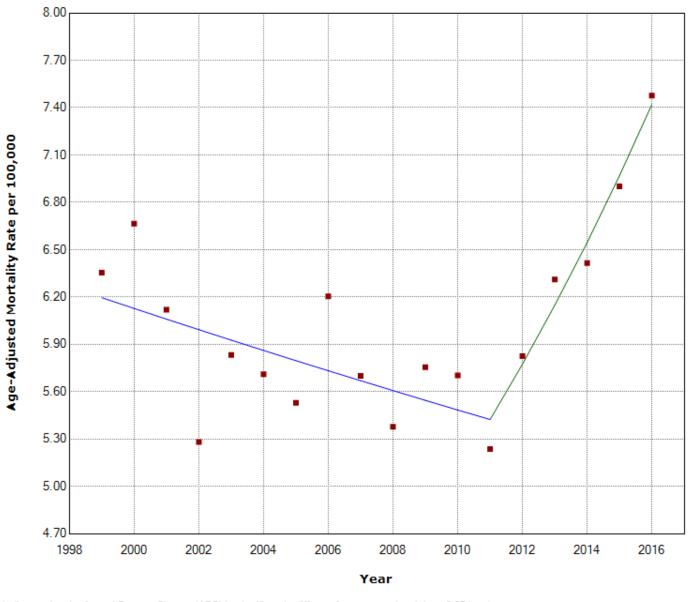
[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 0 Joinpoints.

1999.0-2012.0 APC = -4.67[^] 2012.0-2016.0 APC = 3.79



[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 1 Joinpoint.

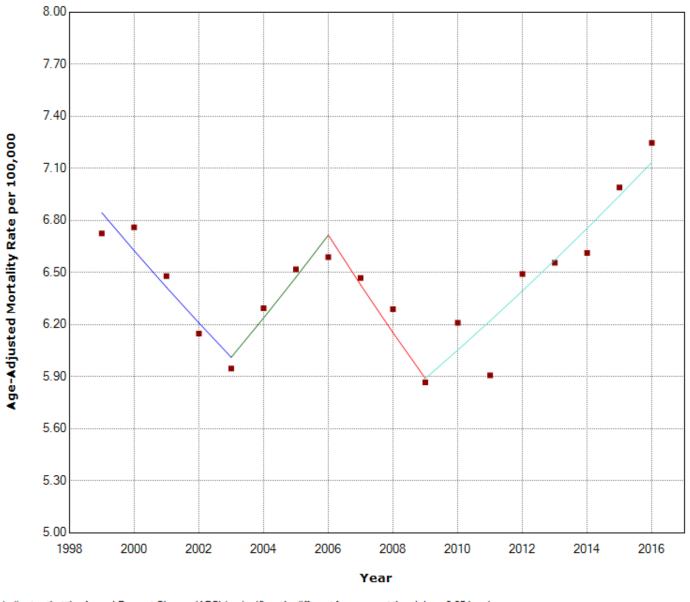
1999.0-2011.0 APC = -1.10[^] 2011.0-2016.0 APC = 6.47[^]



[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 1 Joinpoint.

1999.0-2003.0 APC = -3.19[^] 2003.0-2006.0 APC = 3.76 2006.0-2009.0 APC = -4.28

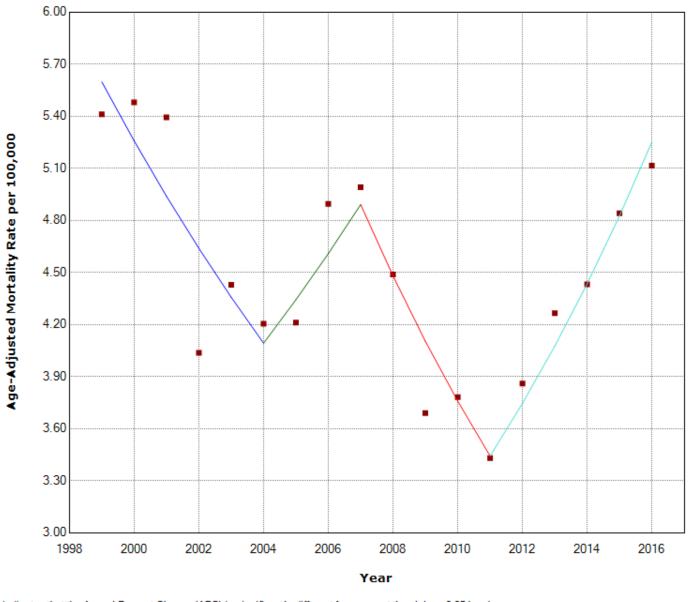
2009.0-2016.0 APC = 2.78[^]



[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 3 Joinpoints.

= 1999.0-2004.0 APC = -6.07^ = 2004.0-2007.0 APC = 6.12 = 2007.0-2011.0 APC = -8.40

2011.0-2016.0 APC = 8.81[^]

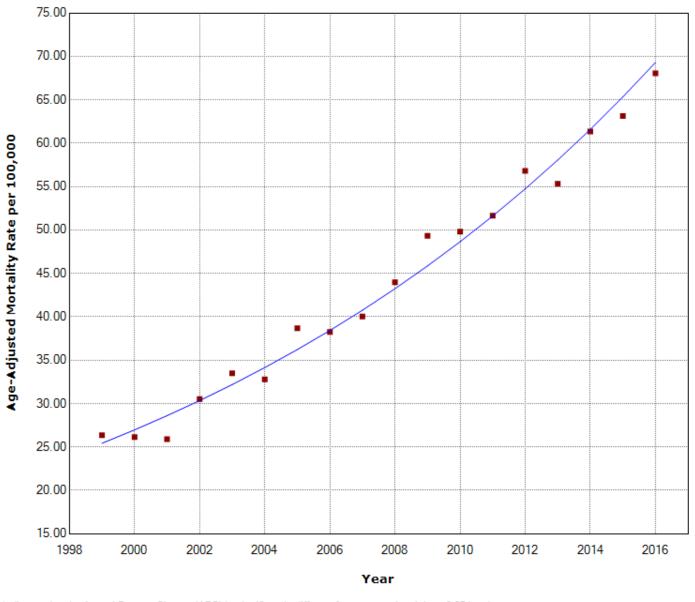


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 3 Joinpoints.

Other external causes of accidental injury (W00-X59) / NH AIAN: 0 Joinpoints

Observed

1999.0-2016.0 APC = 6.08[^]

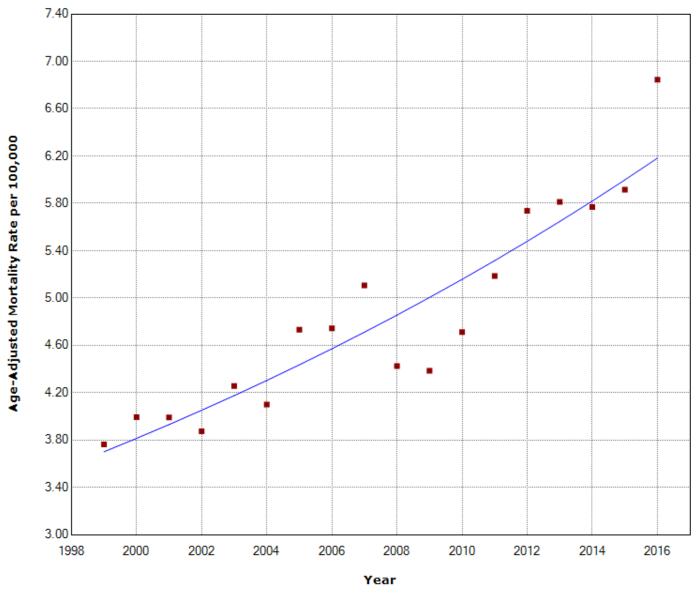


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 0 Joinpoints.

Other external causes of accidental injury (W00-X59) / NH API: 0 Joinpoints

Observed

1999.0-2016.0 APC = 3.06[^]

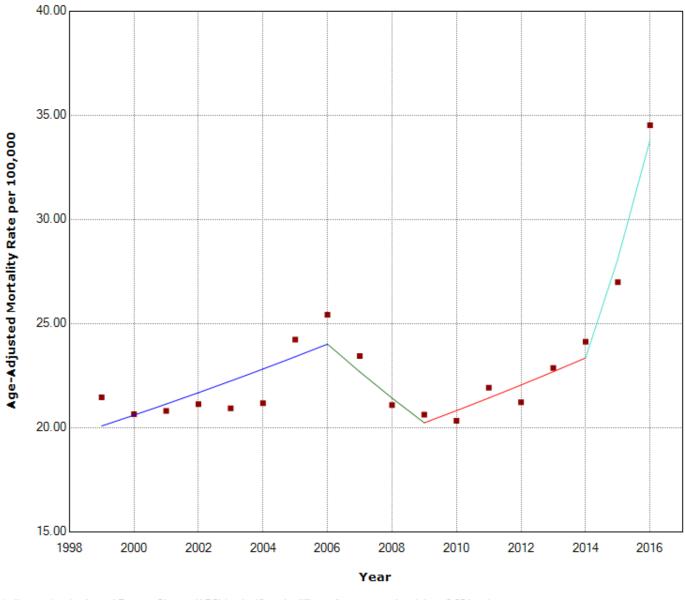


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 0 Joinpoints.

Other external causes of accidental injury (W00-X59) / NH Blacks: 3 Joinpoints

Observed

1999.0-2006.0 APC = 2.59[^] 2006.0-2009.0 APC = -5.55 2009.0-2014.0 APC = 2.91 2014.0-2016.0 APC = 20.36[^]

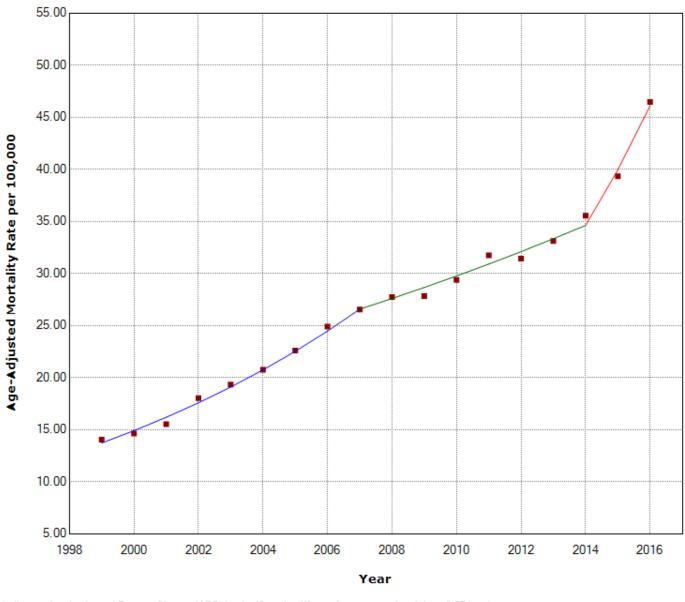


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 3 Joinpoints.

Other external causes of accidental injury (W00-X59) / NH whites: 2 Joinpoints

Observed

1999.0-2007.0 APC = 8.61[^] 2007.0-2014.0 APC = 3.85[^] 2014.0-2016.0 APC = 15.42[^]

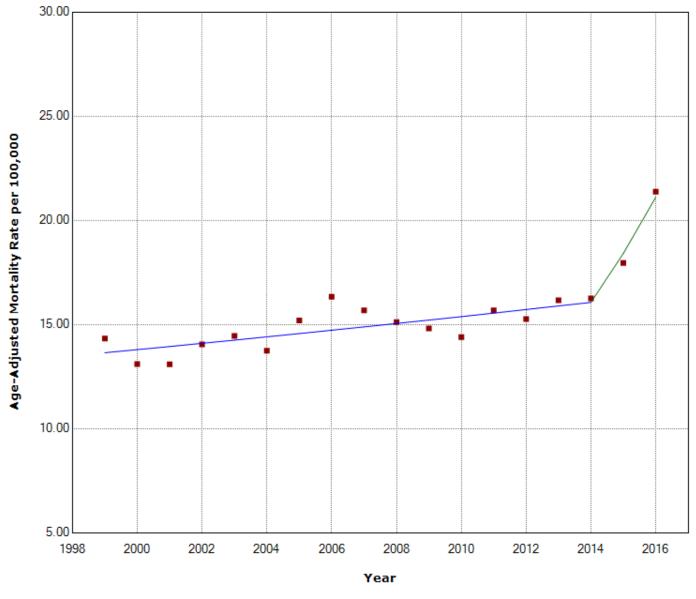


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 2 Joinpoints.

Other external causes of accidental injury (W00-X59) / Hispanics: 1 Joinpoint

Observed

- 1999.0-2014.0 APC = 1.09[^] - 2014.0-2016.0 APC = 14.63

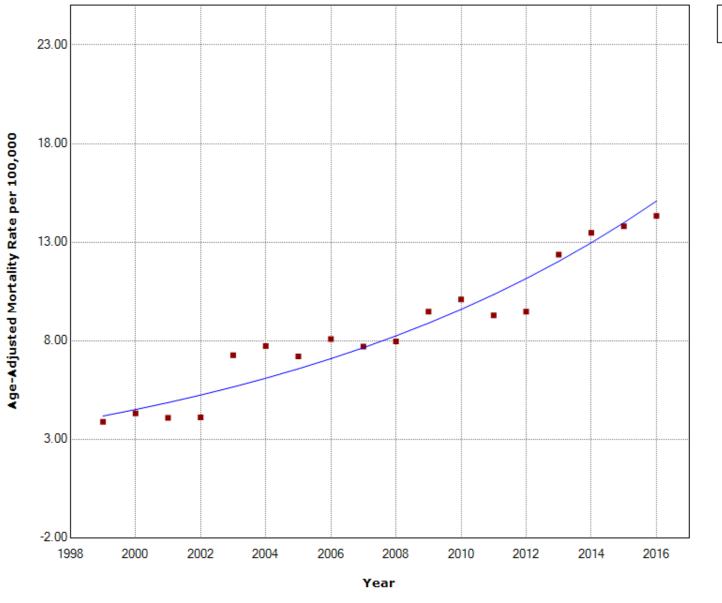


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 1 Joinpoint.

Hypertensive diseases (I10-I15) / NH AIAN: 0 Joinpoints

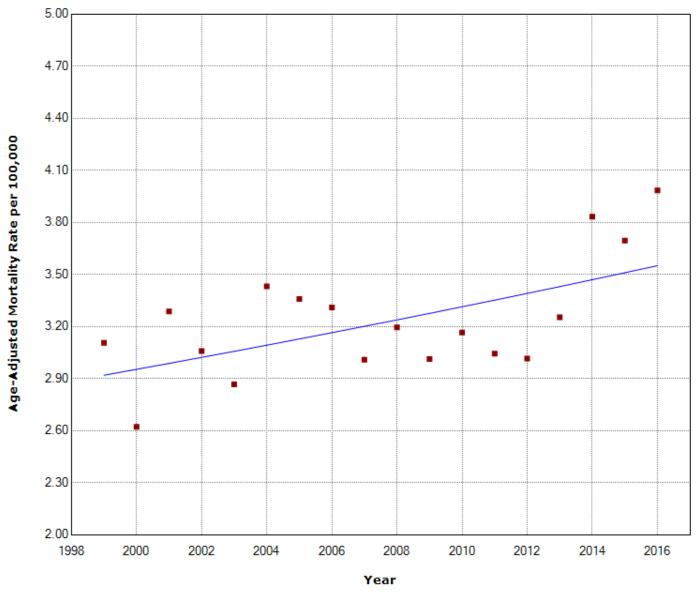
Observed

1999.0-2016.0 APC = 7.84[^]



[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 0 Joinpoints.

Hypertensive diseases (I10-I15) / NH API: 0 Joinpoints



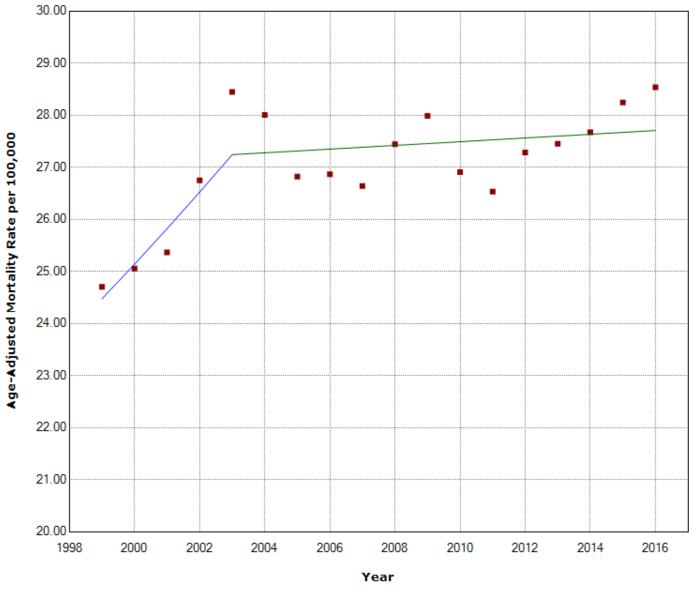
[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 0 Joinpoints.

Observed 1999.0-2016.0 APC = 1.16^

Hypertensive diseases (I10-I15) / NH Blacks: 1 Joinpoint

Observed

1999.0-2003.0 APC = 2.71[^] 2003.0-2016.0 APC = 0.13

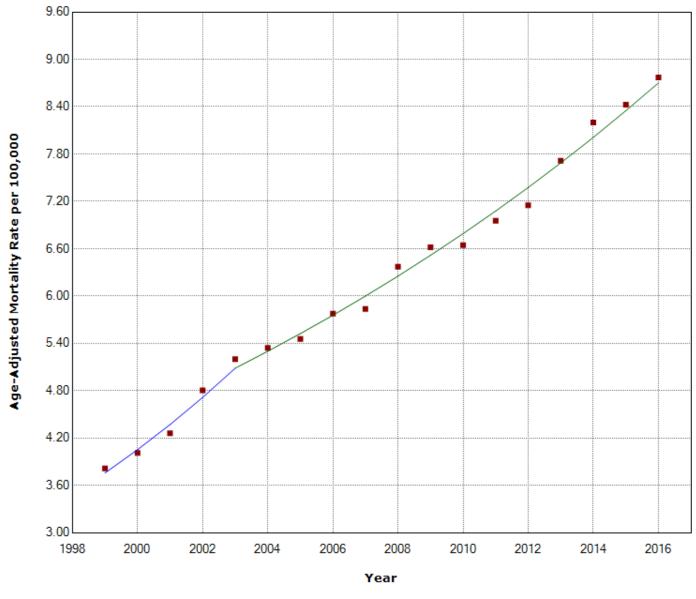


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 1 Joinpoint.

Hypertensive diseases (I10-I15) / NH whites: 1 Joinpoint

Observed

1999.0-2003.0 APC = 7.86[^] 2003.0-2016.0 APC = 4.22[^]

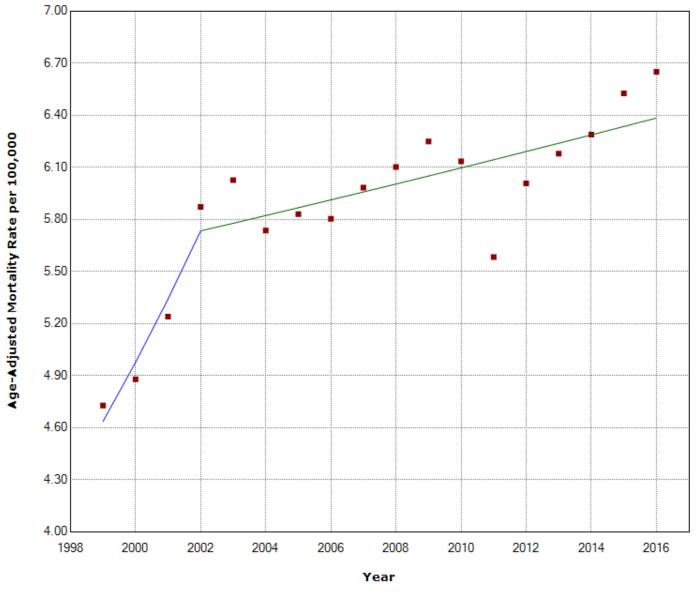


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 1 Joinpoint.

Hypertensive diseases (I10-I15) / Hispanics: 1 Joinpoint

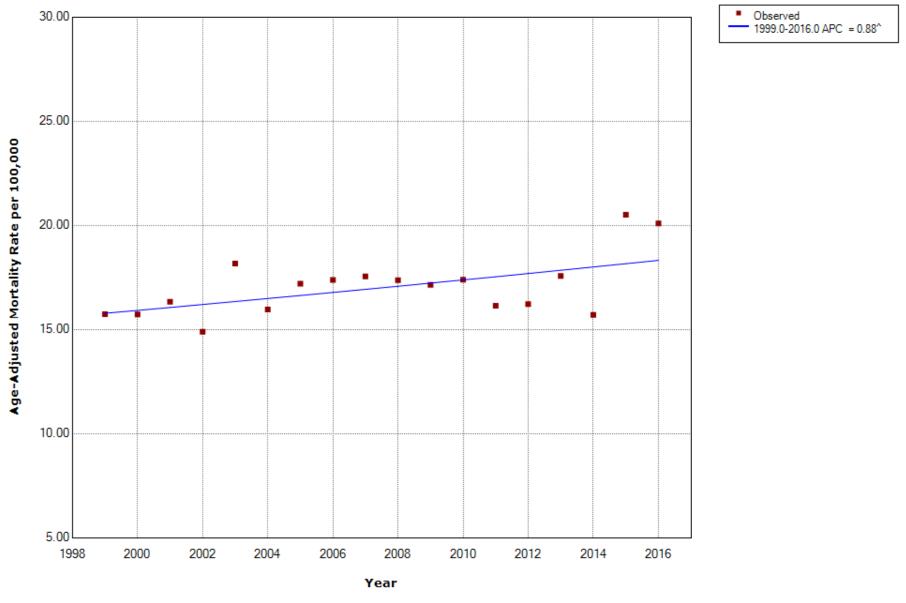
Observed

1999.0-2002.0 APC = 7.34[^] 2002.0-2016.0 APC = 0.77[^]



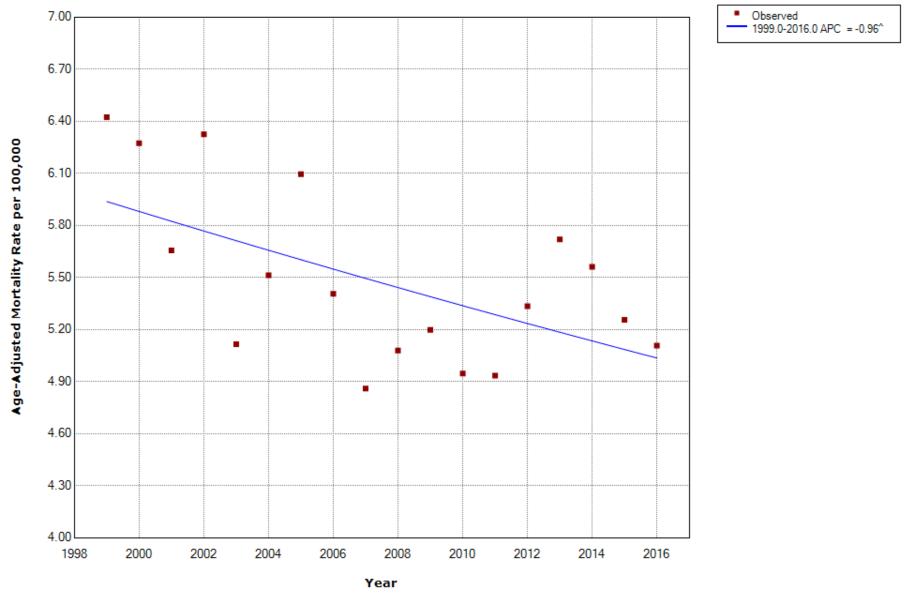
[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 1 Joinpoint.

Arhythmias, heart failure, and other forms of heart disease (I30-I51) / NH AIAN: 0 Joinpoints



[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 0 Joinpoints.

Arhythmias, heart failure, and other forms of heart disease (I30-I51) / NH API: 0 Joinpoints

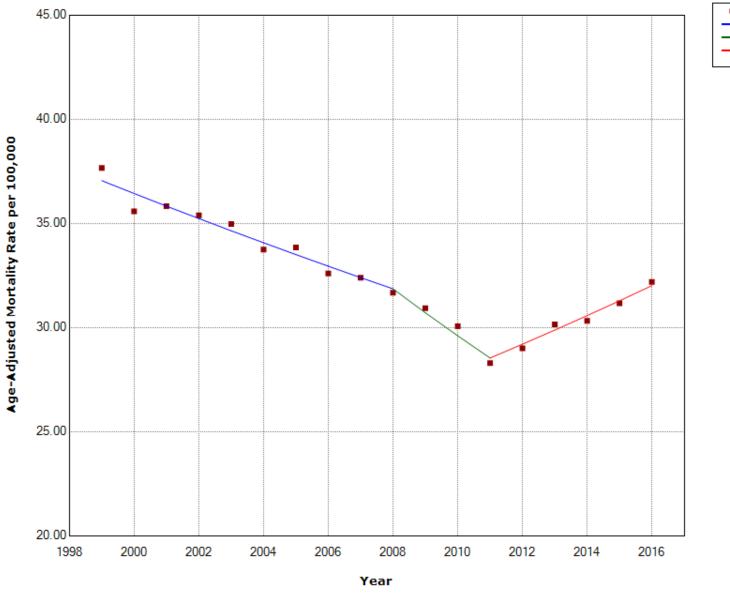


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 0 Joinpoints.

Arhythmias, heart failure, and other forms of heart disease (I30-I51) / NH Blacks: 2 Joinpoints

Observed

- 1999.0-2008.0 APC = -1.66[^] - 2008.0-2011.0 APC = -3.60 - 2011.0-2016.0 APC = 2.33[^]

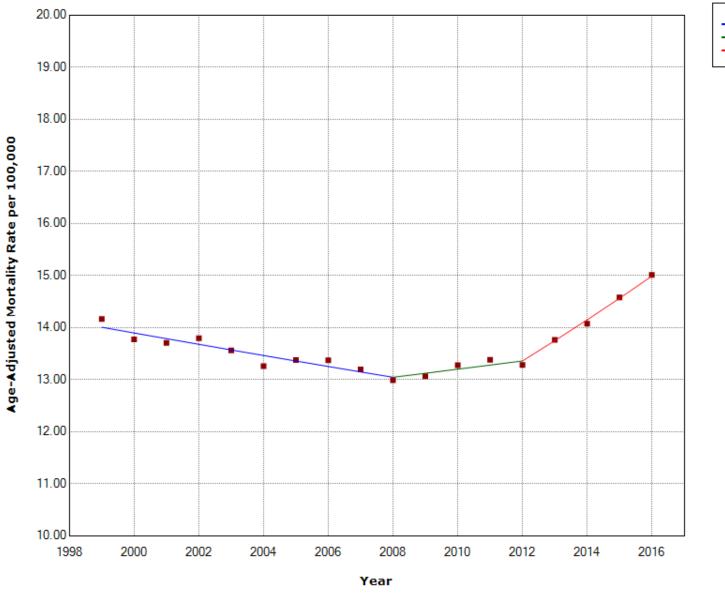


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 2 Joinpoints.

Arhythmias, heart failure, and other forms of heart disease (I30-I51) / NH whites: 2 Joinpoints

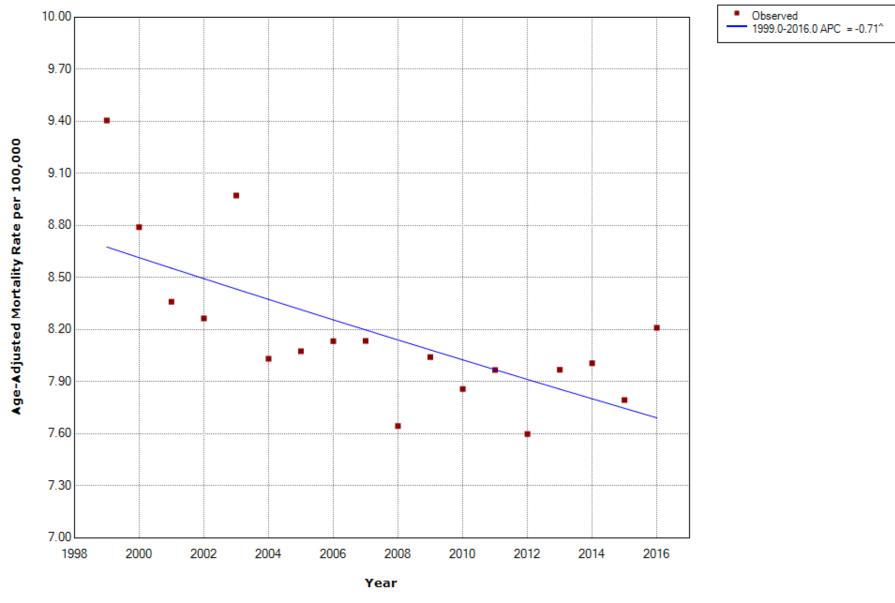
Observed

- 1999.0-2008.0 APC = -0.79[^] - 2008.0-2012.0 APC = 0.60 - 2012.0-2016.0 APC = 2.92[^]



[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 2 Joinpoints.

Arhythmias, heart failure, and other forms of heart disease (I30-I51) / Hispanics: O Joinpoints



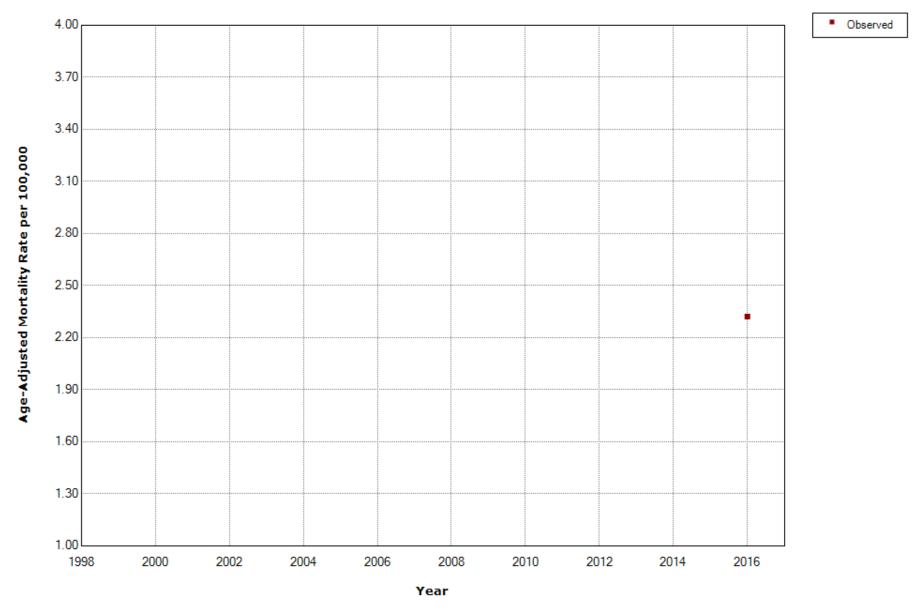
[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 0 Joinpoints.

	• (Observed	
L			_

Diseases of veins, lymphatic vessels and lymph nodes (180-189) / NH AIAN: Observed

[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level.

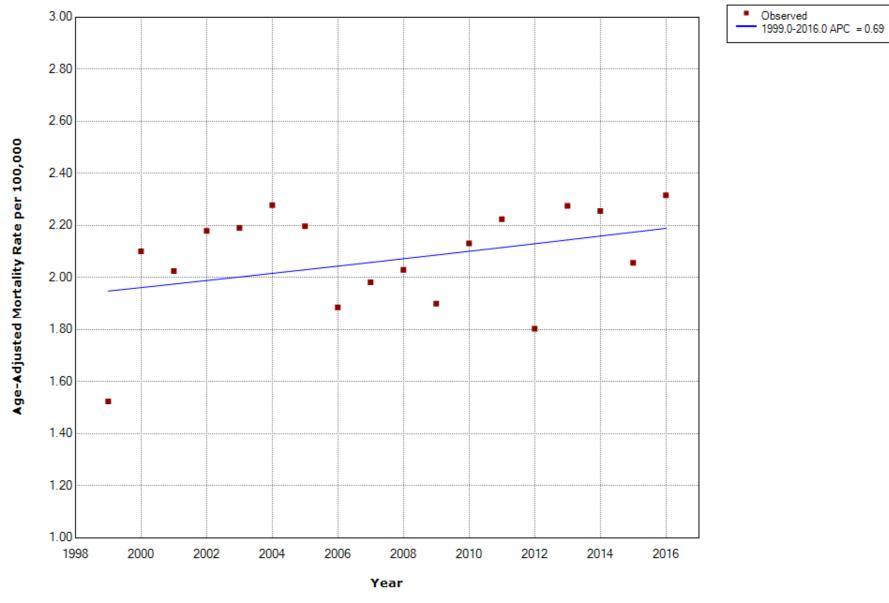
** Joinpoint cannot process records with missing dependent variable values. Joinpoint will not analyze by-groups that have this error. (Row = 900, Col = 1)



[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level.

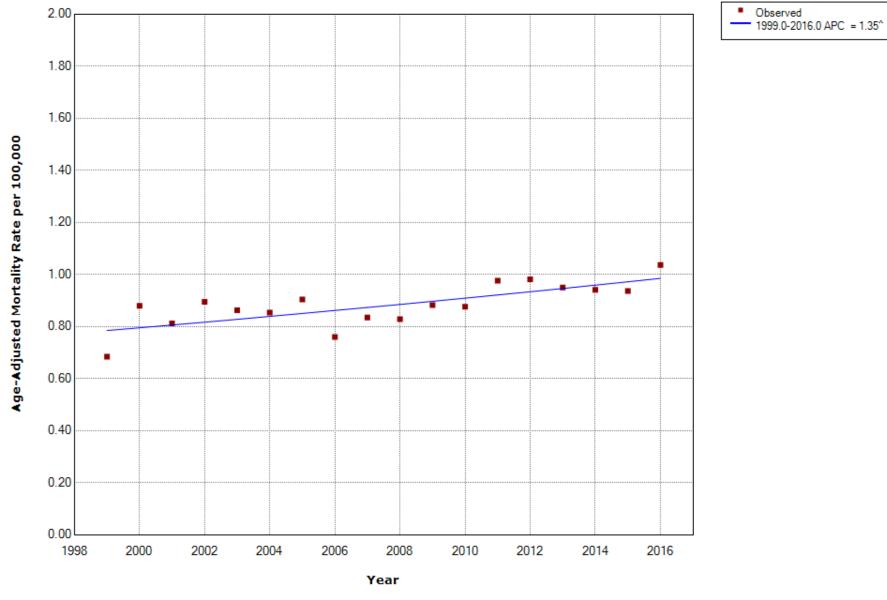
** Joinpoint cannot process records with missing dependent variable values. Joinpoint will not analyze by-groups that have this error. (Row = 918, Col = 1)

Diseases of veins, lymphatic vessels and lymph nodes (180-189) / NH Blacks: O Joinpoints



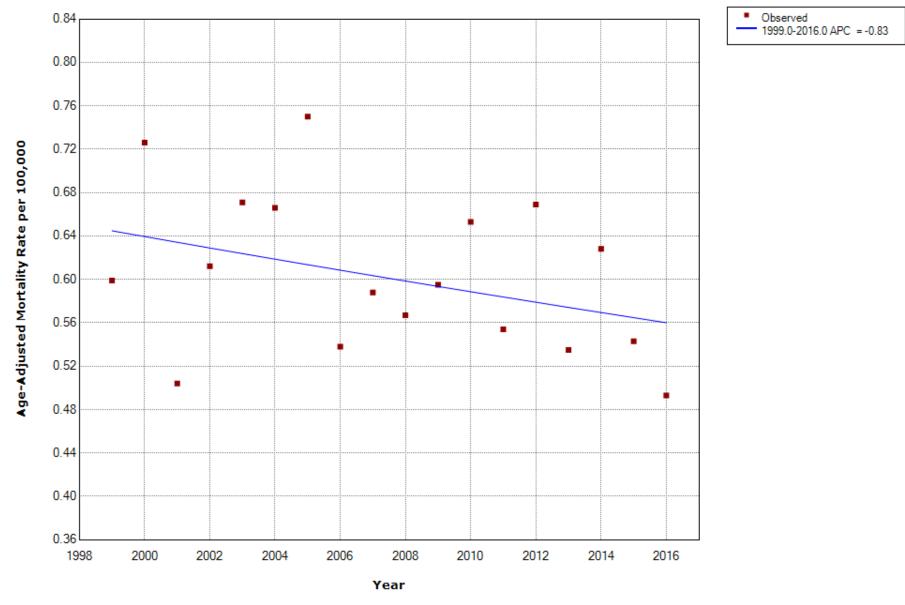
[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 0 Joinpoints.

Diseases of veins, lymphatic vessels and lymph nodes (180-189) / NH whites: O Joinpoints



[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 0 Joinpoints.

Diseases of veins, lymphatic vessels and lymph nodes (180-189) / Hispanics: O Joinpoints

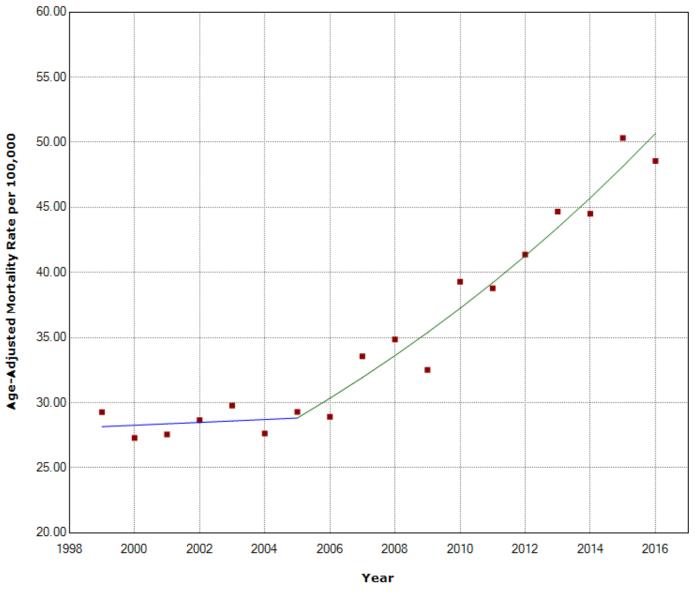


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 0 Joinpoints.

Alcoholic liver disease (K70) / NH AIAN: 1 Joinpoint

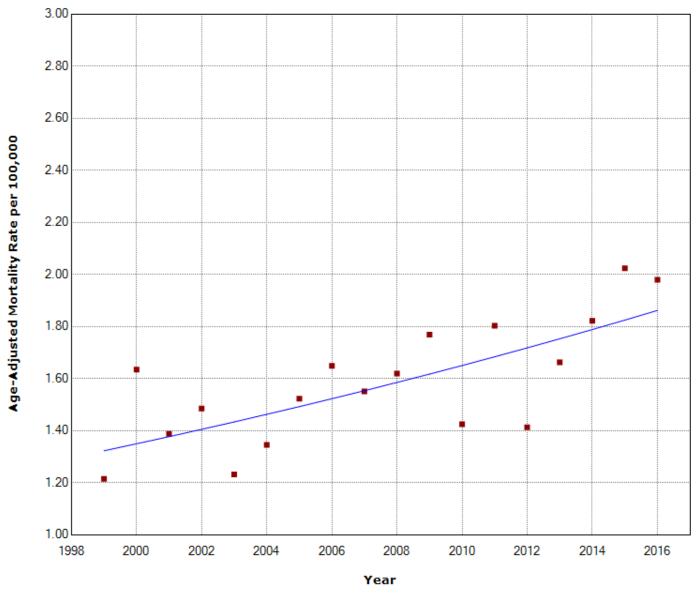
Observed

1999.0-2005.0 APC = 0.39 2005.0-2016.0 APC = 5.27^



[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 1 Joinpoint.

Alcoholic liver disease (K70) / NH API: 0 Joinpoints



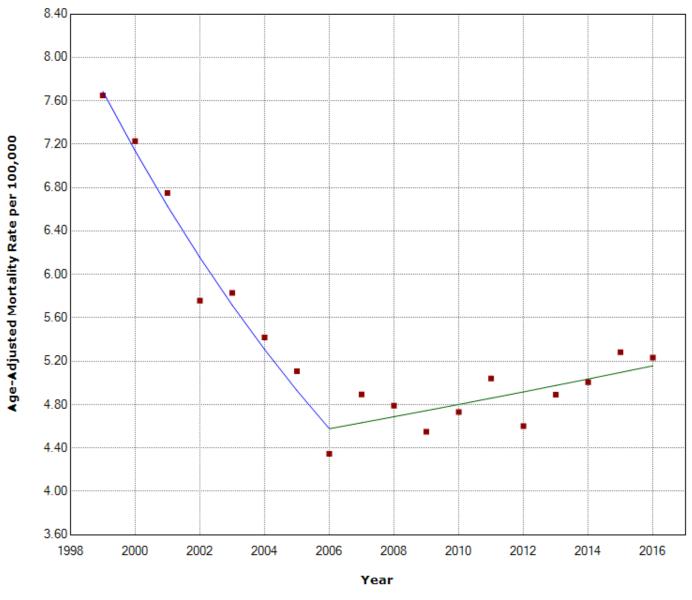
[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 0 Joinpoints.

Observed 1999.0-2016.0 APC = 2.03^

Alcoholic liver disease (K70) / NH Blacks: 1 Joinpoint

Observed

1999.0-2006.0 APC = -7.14[^] 2006.0-2016.0 APC = 1.20[^]

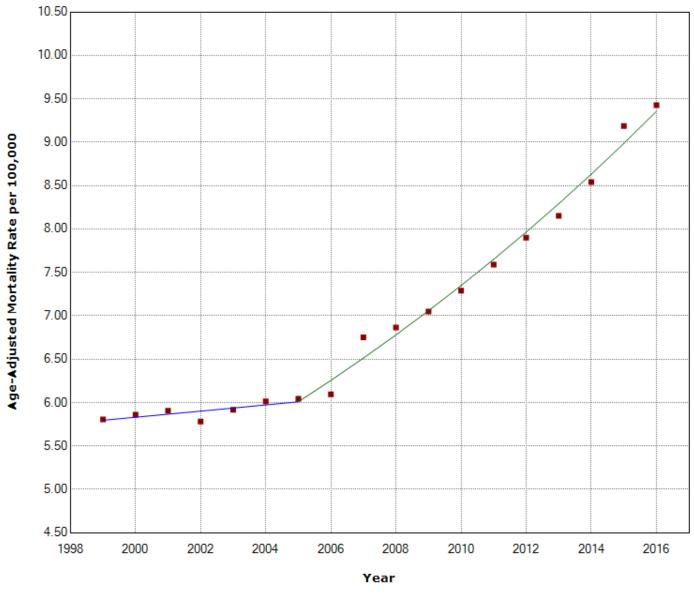


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 1 Joinpoint.

Alcoholic liver disease (K70) / NH whites: 1 Joinpoint

Observed

1999.0-2005.0 APC = 0.60 2005.0-2016.0 APC = 4.11^

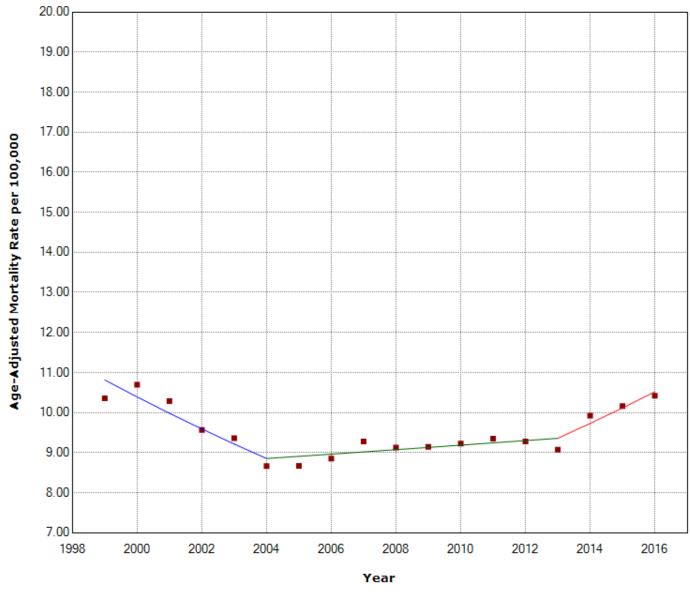


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 1 Joinpoint.

Alcoholic liver disease (K70) / Hispanics: 2 Joinpoints

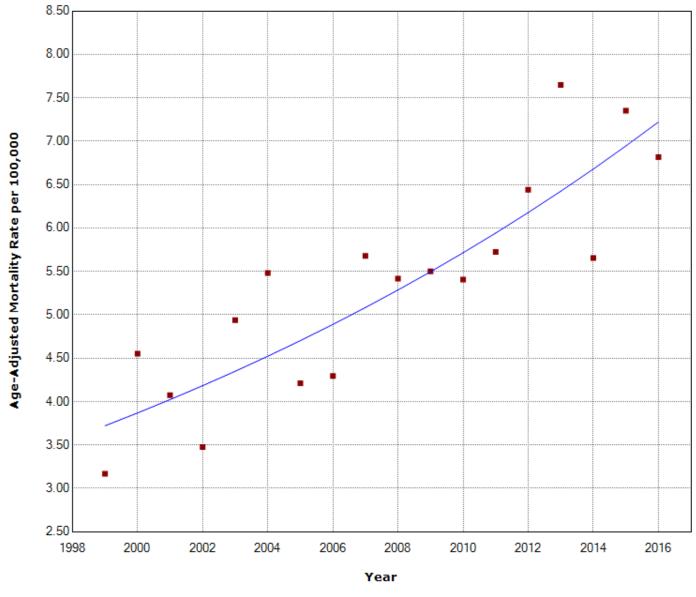
Observed

- 1999.0-2004.0 APC = -3.92^ - 2004.0-2013.0 APC = 0.62 - 2013.0-2016.0 APC = 3.97^



[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 2 Joinpoints.

Liver cancer (C22) / NH AIAN: 0 Joinpoints



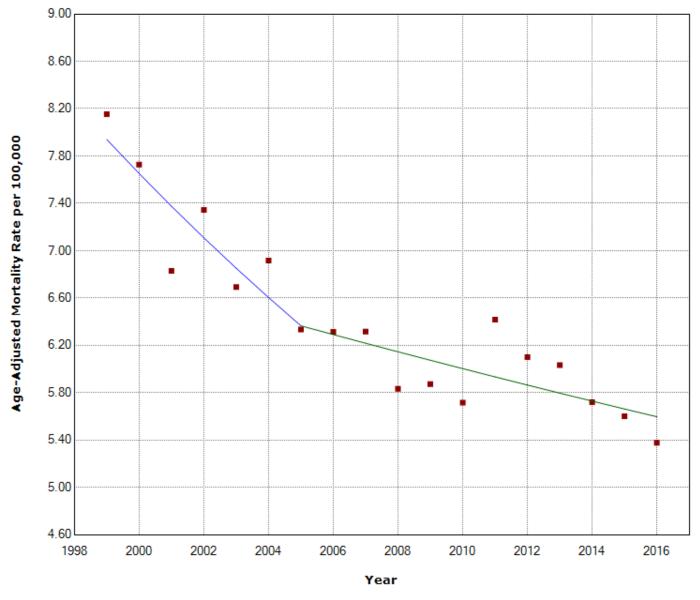
[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 0 Joinpoints.

Observed 1999.0-2016.0 APC = 3.98^

Liver cancer (C22) / NH API: 1 Joinpoint

Observed

1999.0-2005.0 APC = -3.61[^] 2005.0-2016.0 APC = -1.16[^]

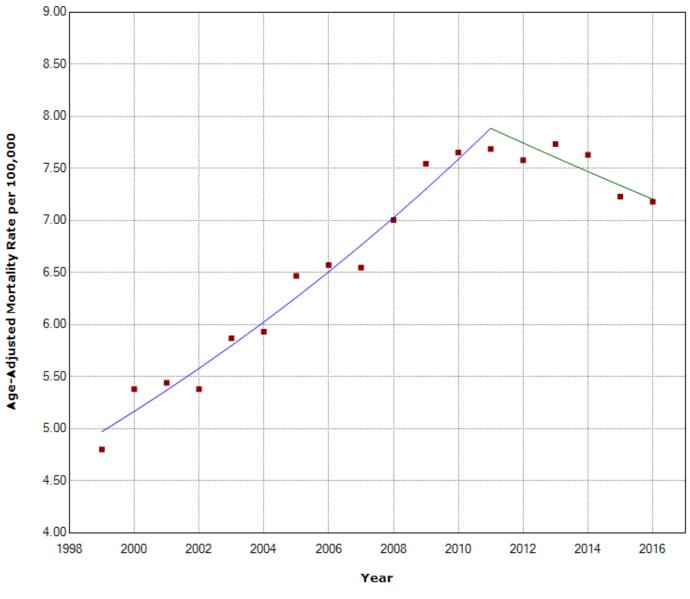


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 1 Joinpoint.

Liver cancer (C22) / NH Blacks: 1 Joinpoint

Observed

1999.0-2011.0 APC = 3.92[^] 2011.0-2016.0 APC = -1.79

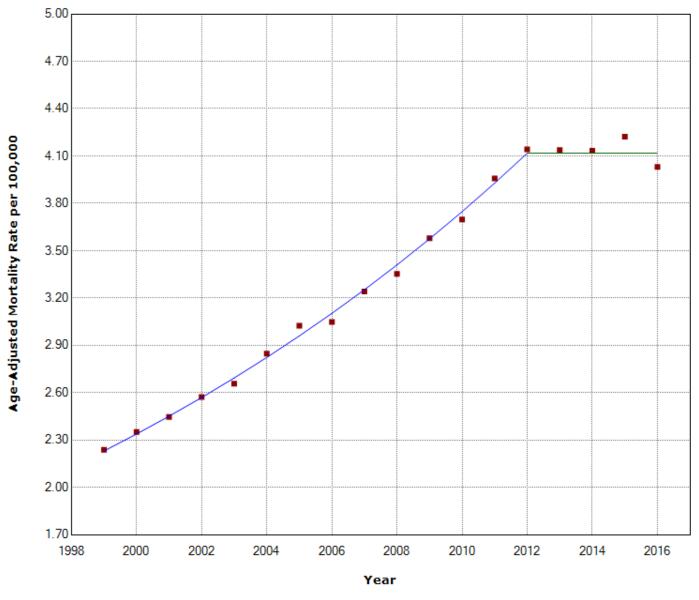


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 1 Joinpoint.

Liver cancer (C22) / NH whites: 1 Joinpoint

Observed

1999.0-2012.0 APC = 4.83[^] 2012.0-2016.0 APC = 0.00

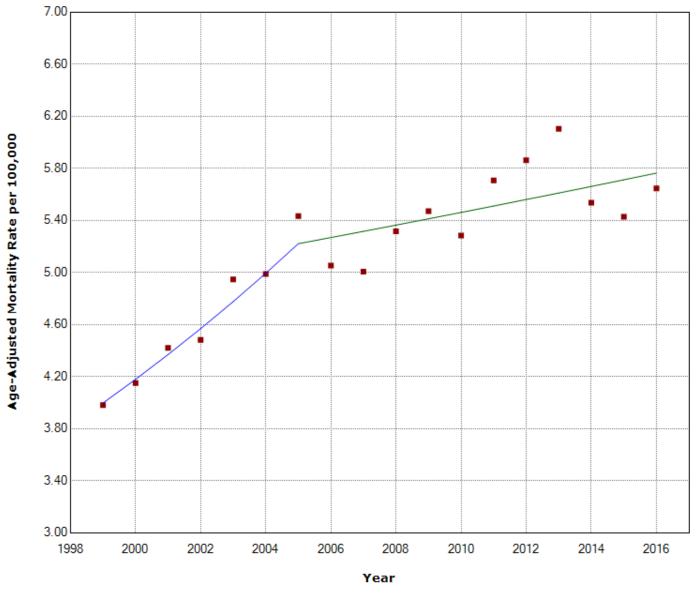


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 1 Joinpoint.

Liver cancer (C22) / Hispanics: 1 Joinpoint

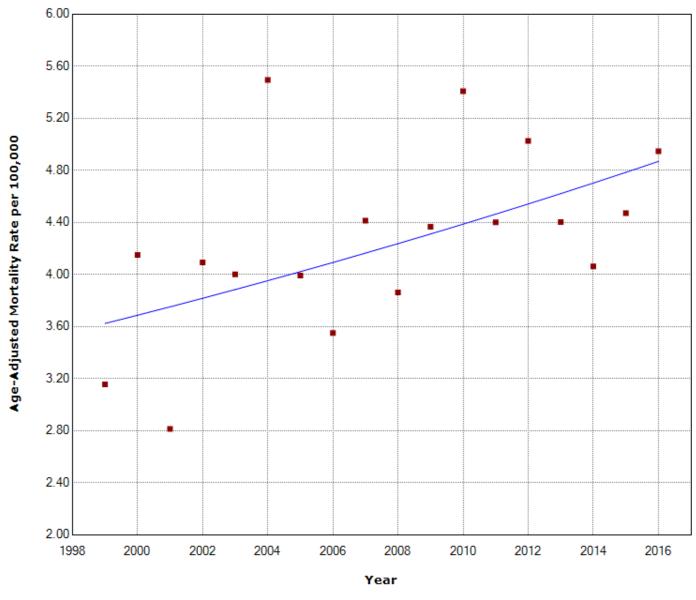
Observed

1999.0-2005.0 APC = 4.55[^] 2005.0-2016.0 APC = 0.90[^]



[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 1 Joinpoint.

Pancreatic cancer (C25) / NH AIAN: 0 Joinpoints



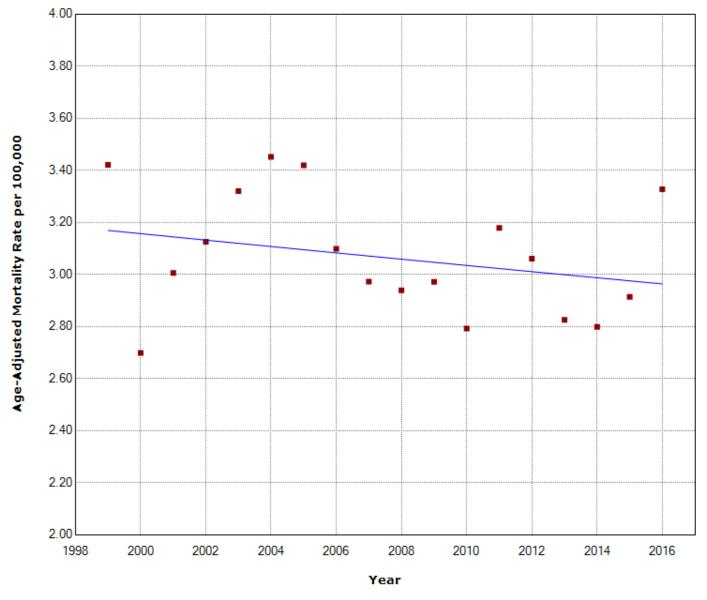
[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 0 Joinpoints.

Observed 1999.0-2016.0 APC = 1.75^

Pancreatic cancer (C25) / NH API: 0 Joinpoints

Observed

1999.0-2016.0 APC = -0.39



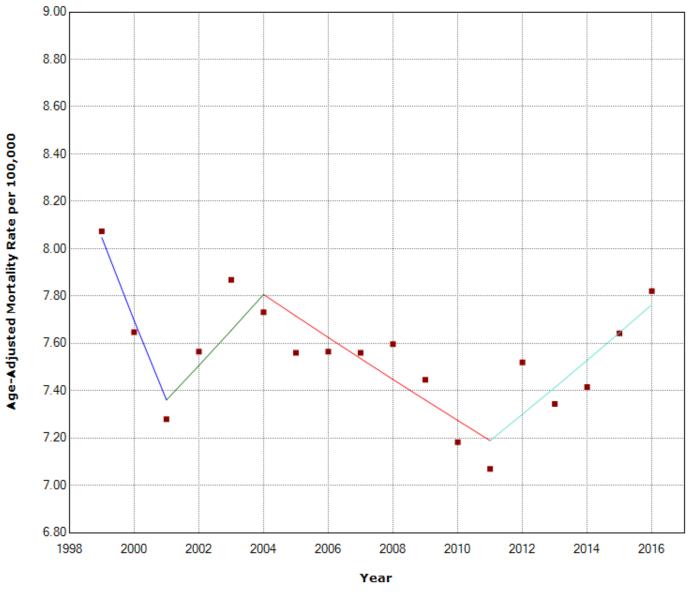
[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 0 Joinpoints.

Pancreatic cancer (C25) / NH Blacks: 3 Joinpoints

Observed

1999.0-2001.0 APC = -4.36 2001.0-2004.0 APC = 1.98 2004.0-2011.0 APC = -1.17

2011.0-2016.0 APC = 1.55[^]

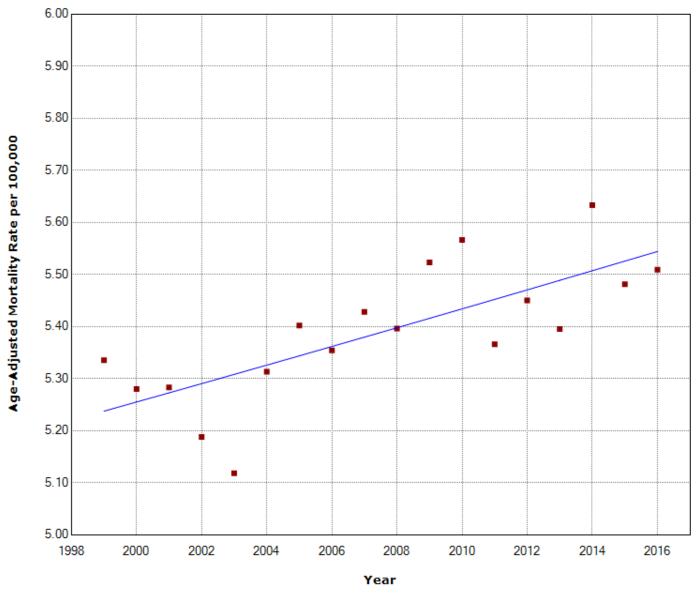


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 3 Joinpoints.

Pancreatic cancer (C25) / NH whites: 0 Joinpoints

Observed

1999.0-2016.0 APC = 0.34[^]

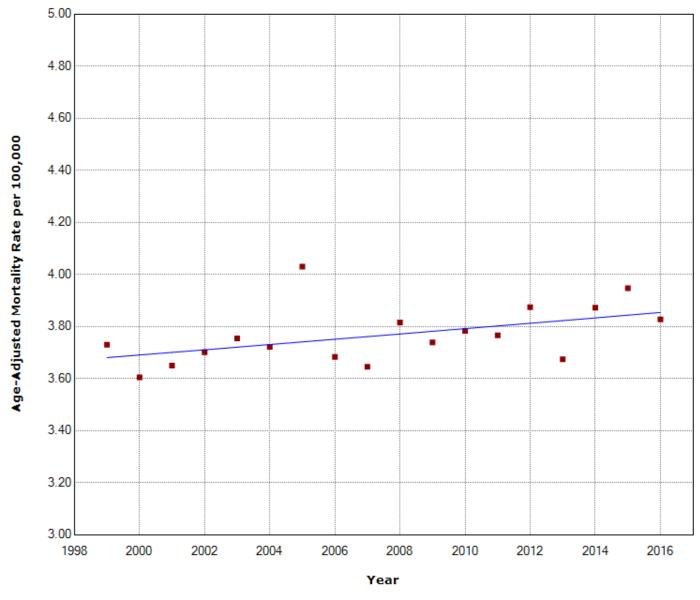


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 0 Joinpoints.

Pancreatic cancer (C25) / Hispanics: 0 Joinpoints

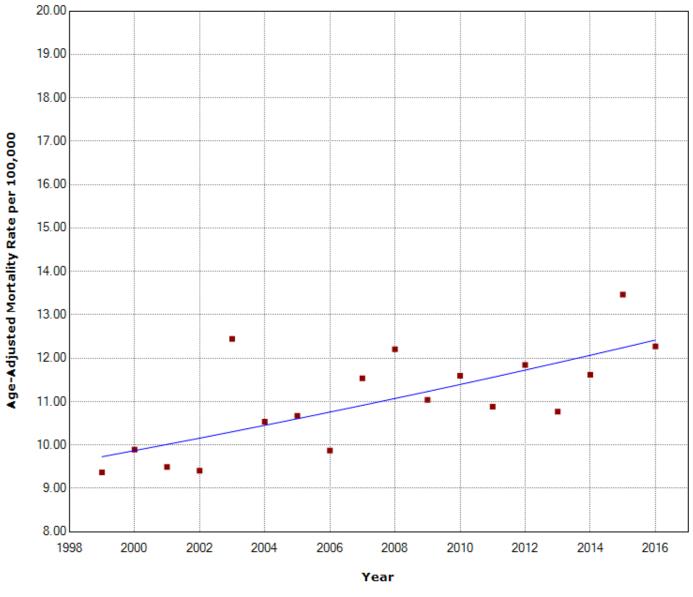
Observed

1999.0-2016.0 APC = 0.27[^]



[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 0 Joinpoints.

Chronic lower respiratory diseases (J40-J47) / NH AIAN: O Joinpoints



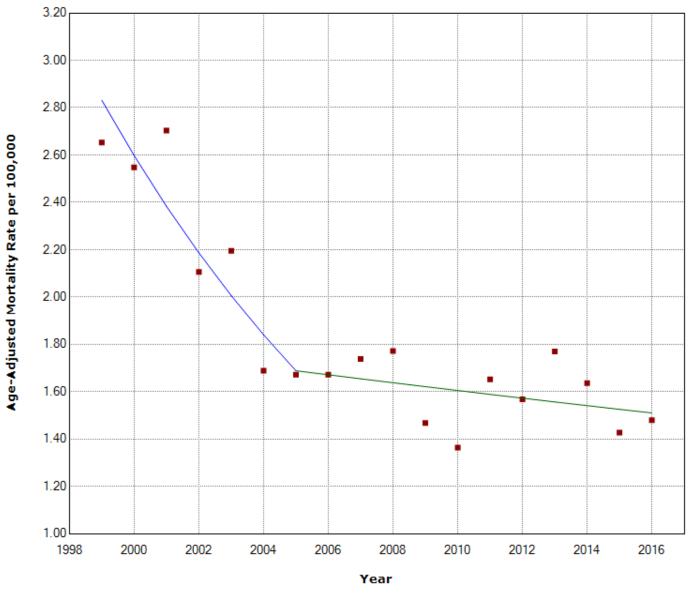
[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 0 Joinpoints.

Observed 1999.0-2016.0 APC = 1.45^

Chronic lower respiratory diseases (J40-J47) / NH API: 1 Joinpoint

Observed

1999.0-2005.0 APC = -8.25[^] 2005.0-2016.0 APC = -1.01

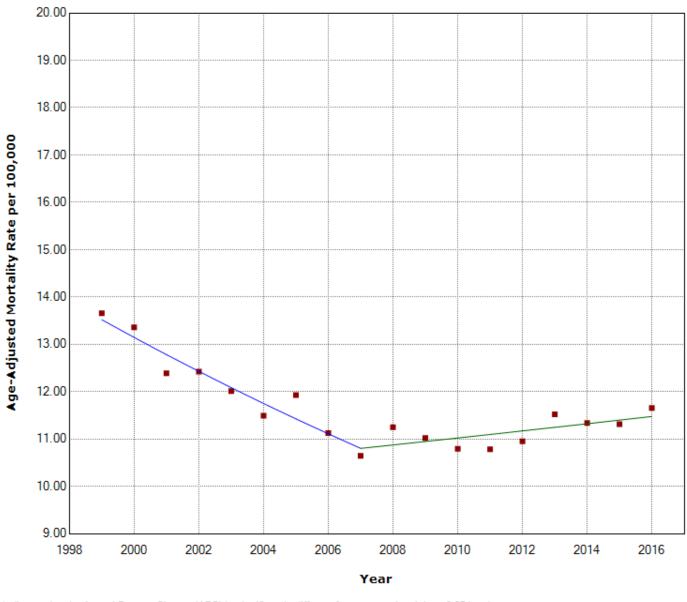


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 1 Joinpoint.

Chronic lower respiratory diseases (J40-J47) / NH Blacks: 1 Joinpoint

Observed

1999.0-2007.0 APC = -2.77^ 2007.0-2016.0 APC = 0.67^

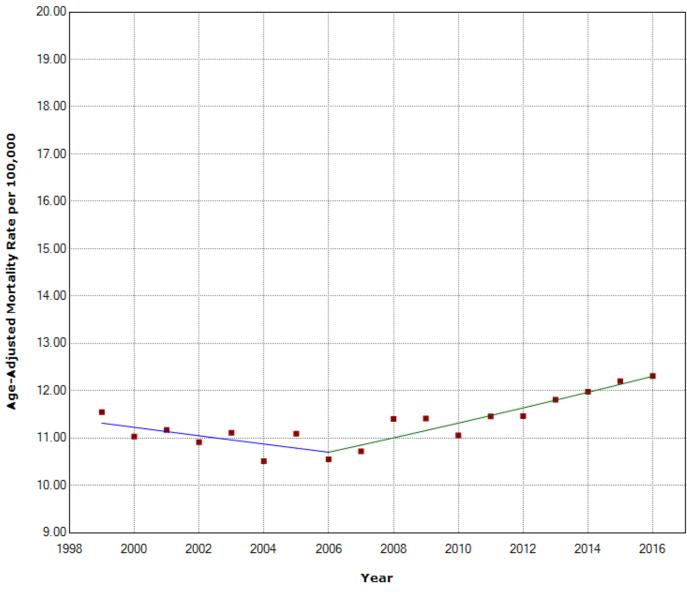


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 1 Joinpoint.

Chronic lower respiratory diseases (J40-J47) / NH whites: 1 Joinpoint

Observed

1999.0-2006.0 APC = -0.80 2006.0-2016.0 APC = 1.41^

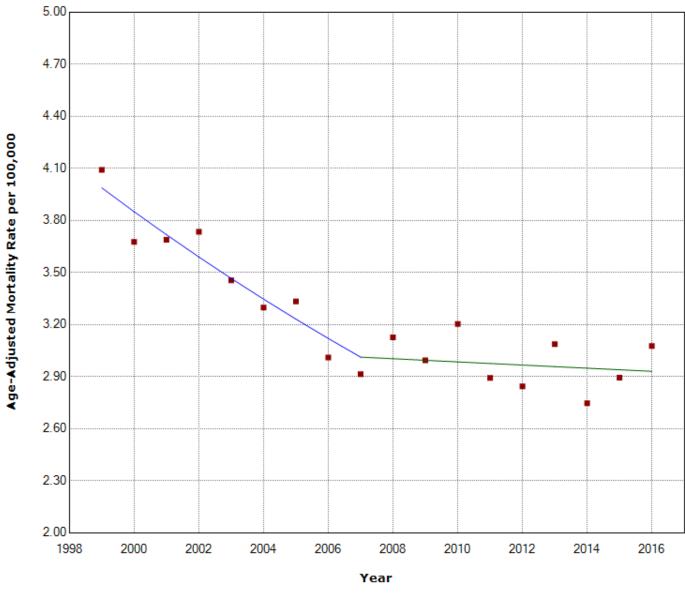


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 1 Joinpoint.

Chronic lower respiratory diseases (J40-J47) / Hispanics: 1 Joinpoint

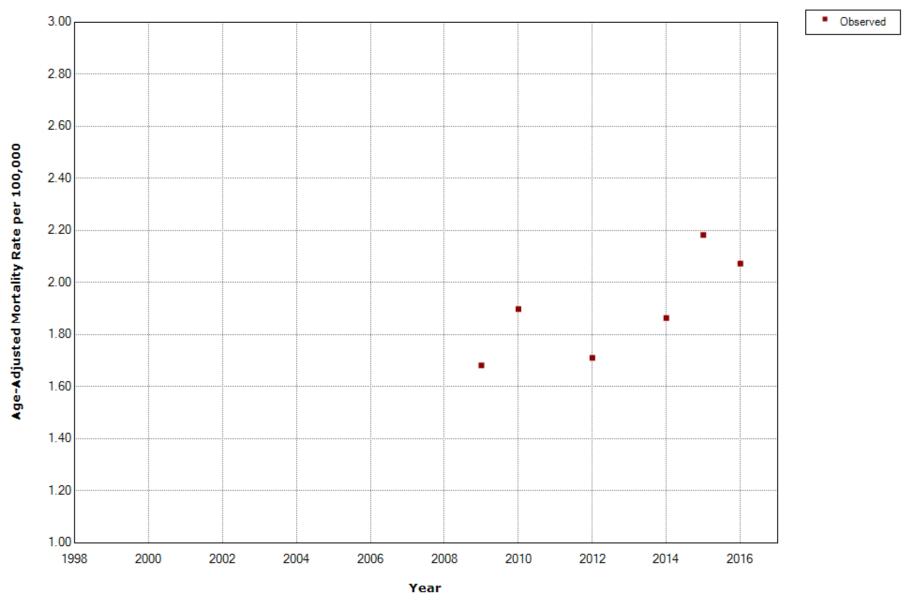
Observed

1999.0-2007.0 APC = -3.44[^] 2007.0-2016.0 APC = -0.30



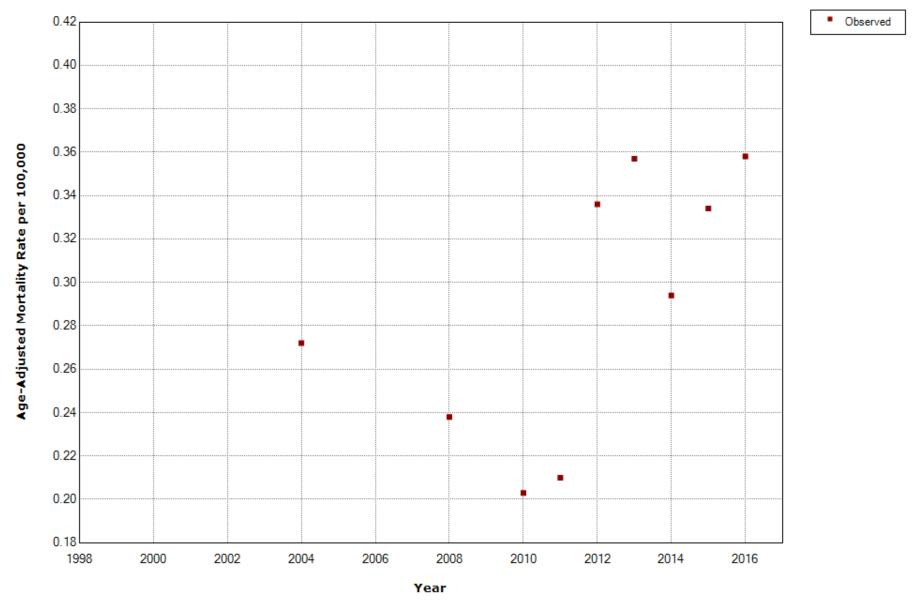
[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 1 Joinpoint.

Lung diseases due to external agents (J60-J70) / NH AIAN: Observed



[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level.

** Joinpoint cannot process records with missing dependent variable values. Joinpoint will not analyze by-groups that have this error. (Row = 1350, Col = 1)

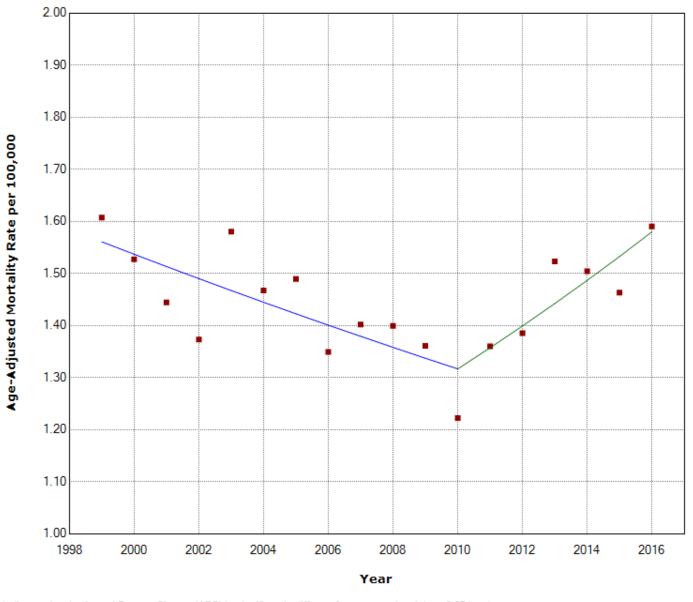


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level.

** Joinpoint cannot process records with missing dependent variable values. Joinpoint will not analyze by-groups that have this error. (Row = 1368, Col = 1)

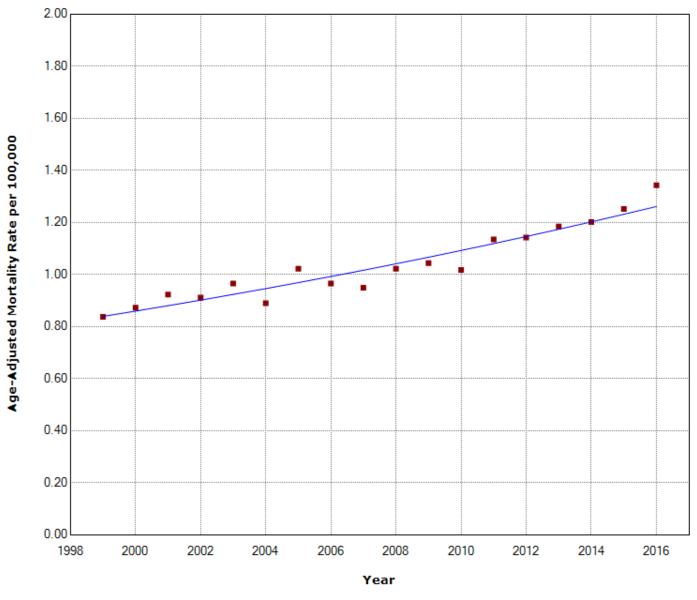
Observed

1999.0-2010.0 APC = -1.53[^] 2010.0-2016.0 APC = 3.08[^]



[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 1 Joinpoint.

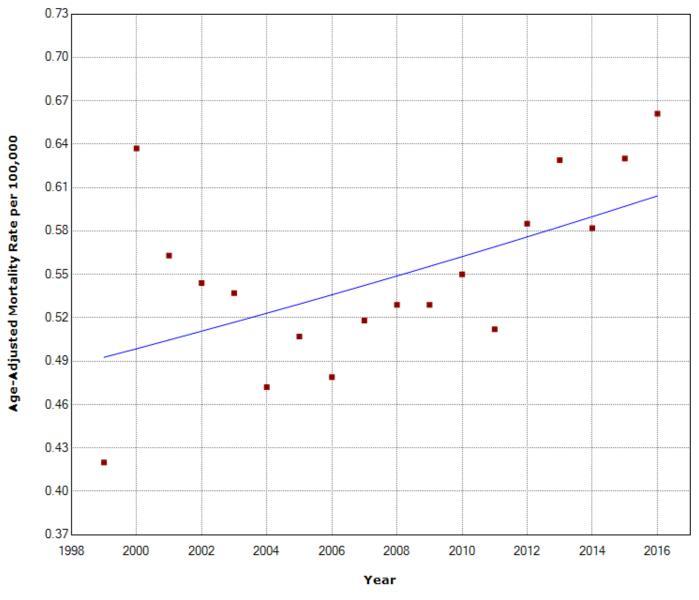
Observed 1999.0-2016.0 APC = 2.43^



[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 0 Joinpoints.

Lung diseases due to external agents (J60-J70) / Hispanics: O Joinpoints

Observed 1999.0-2016.0 APC = 1.21^

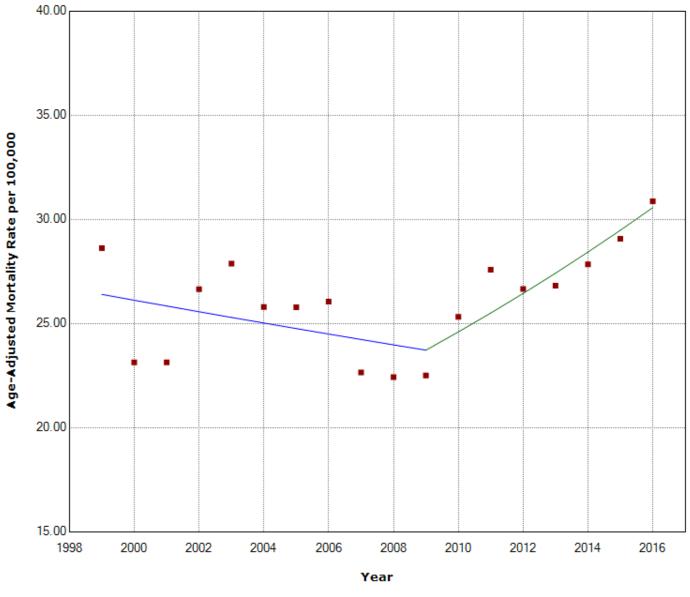


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 0 Joinpoints.

Diabetes mellitus (E10-E14) / NH AIAN: 1 Joinpoint

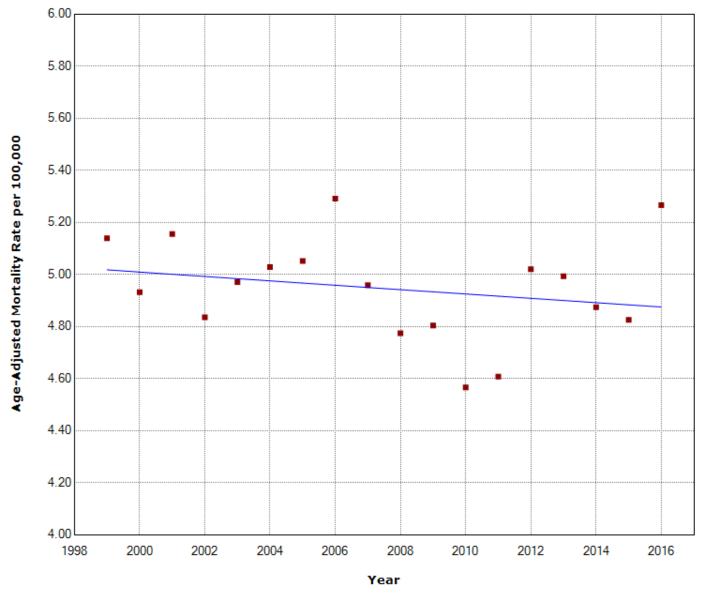
Observed

1999.0-2009.0 APC = -1.06 2009.0-2016.0 APC = 3.69^



[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 1 Joinpoint.

Diabetes mellitus (E10-E14) / NH API: 0 Joinpoints



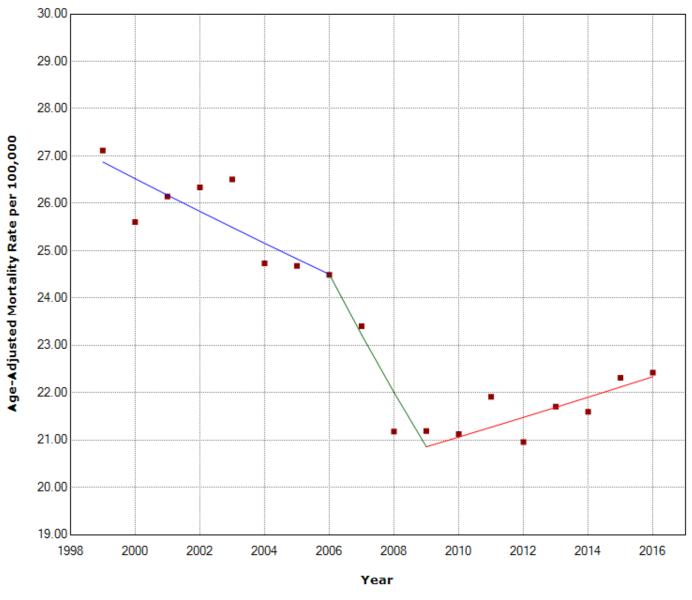
[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 0 Joinpoints.

Observed 1999.0-2016.0 APC = -0.17

Diabetes mellitus (E10-E14) / NH Blacks: 2 Joinpoints

Observed

= 1999.0-2006.0 APC = -1.31^ = 2006.0-2009.0 APC = -5.22 = 2009.0-2016.0 APC = 0.99^

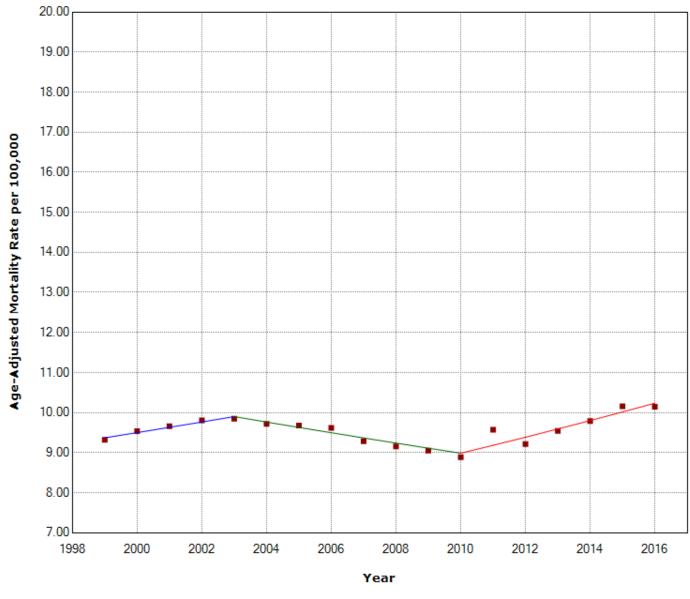


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 2 Joinpoints.

Diabetes mellitus (E10-E14) / NH whites: 2 Joinpoints

Observed

1999.0-2003.0 APC = 1.38 2003.0-2010.0 APC = -1.37 2010.0-2016.0 APC = 2.19

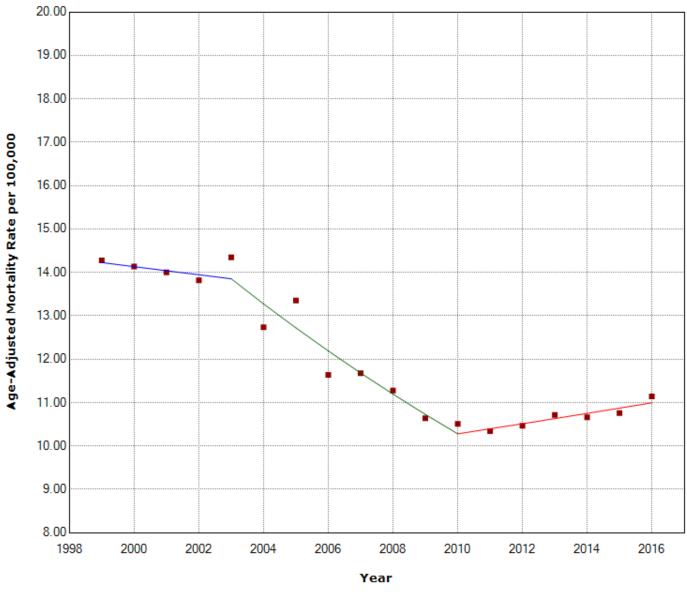


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 2 Joinpoints.

Diabetes mellitus (E10-E14) / Hispanics: 2 Joinpoints

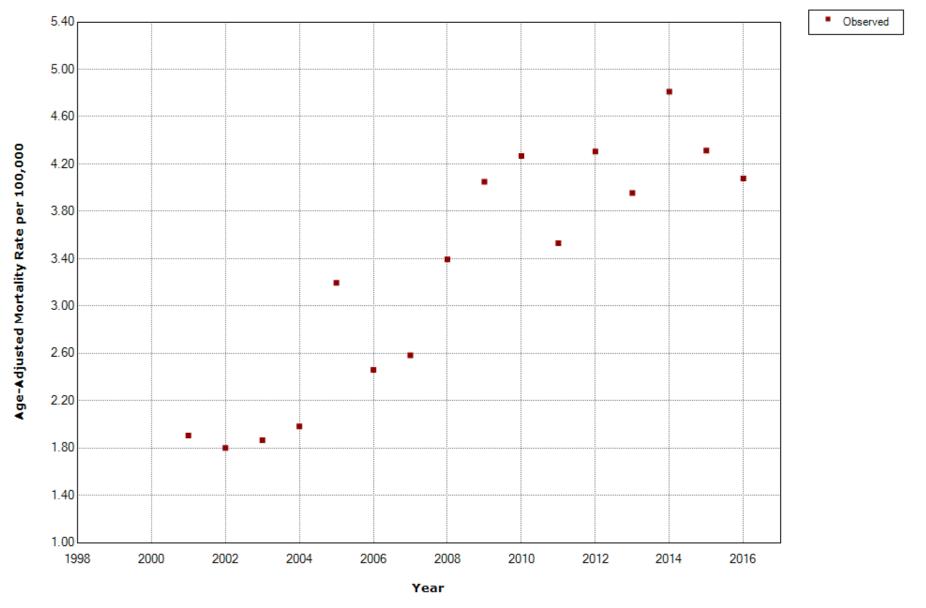
Observed

= 1999.0-2003.0 APC = -0.67 = 2003.0-2010.0 APC = -4.17^ = 2010.0-2016.0 APC = 1.13



[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 2 Joinpoints.

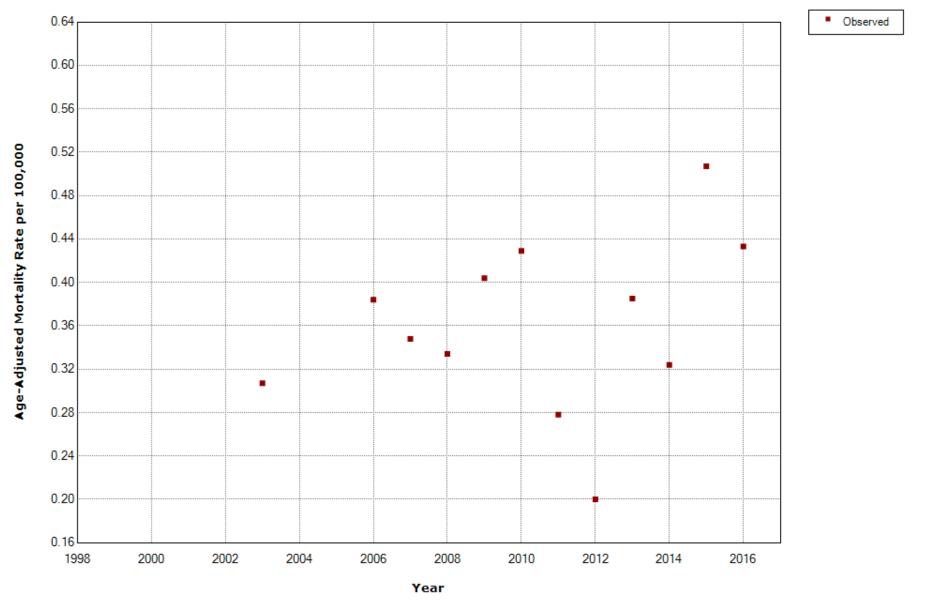
Obesity (E65-E68) / NH AIAN: Observed



[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level.

** Joinpoint cannot process records with missing dependent variable values. Joinpoint will not analyze by-groups that have this error. (Row = 1530, Col = 1)

Obesity (E65-E68) / NH API: Observed



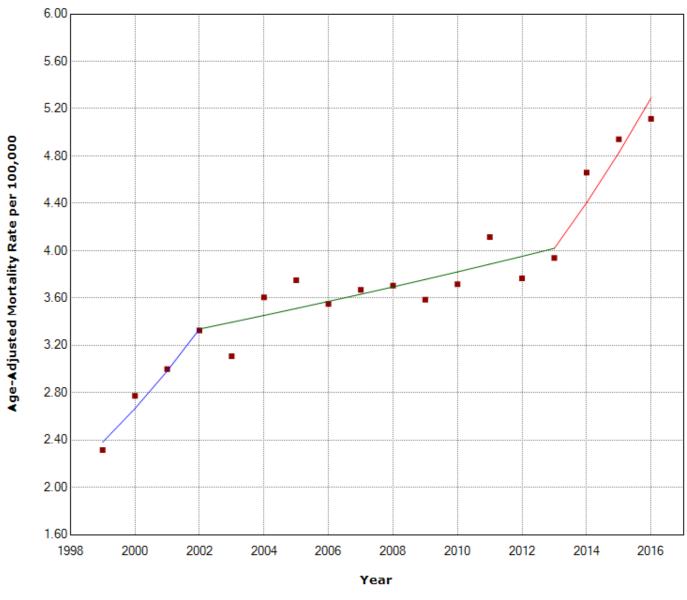
[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level.

** Joinpoint cannot process records with missing dependent variable values. Joinpoint will not analyze by-groups that have this error. (Row = 1548, Col = 1)

Obesity (E65-E68) / NH Blacks: 2 Joinpoints

Observed

1999.0-2002.0 APC = 11.90[^] 2002.0-2013.0 APC = 1.70[^] 2013.0-2016.0 APC = 9.59[^]

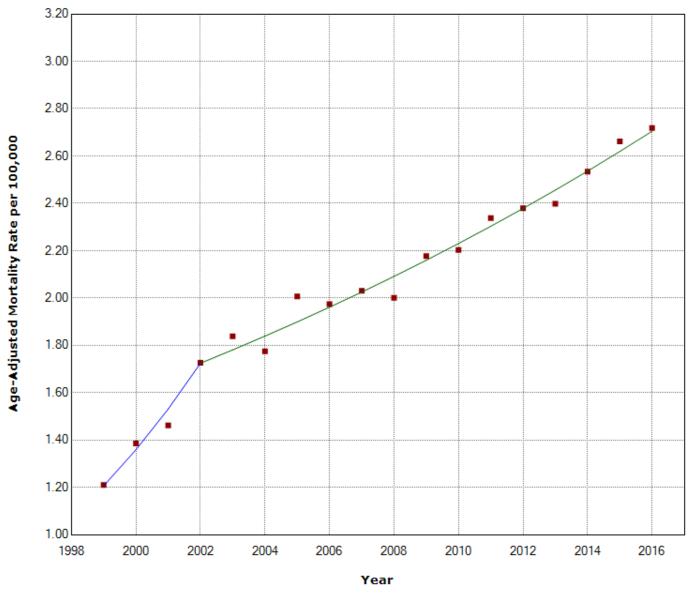


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 2 Joinpoints.

Obesity (E65-E68) / NH whites: 1 Joinpoint

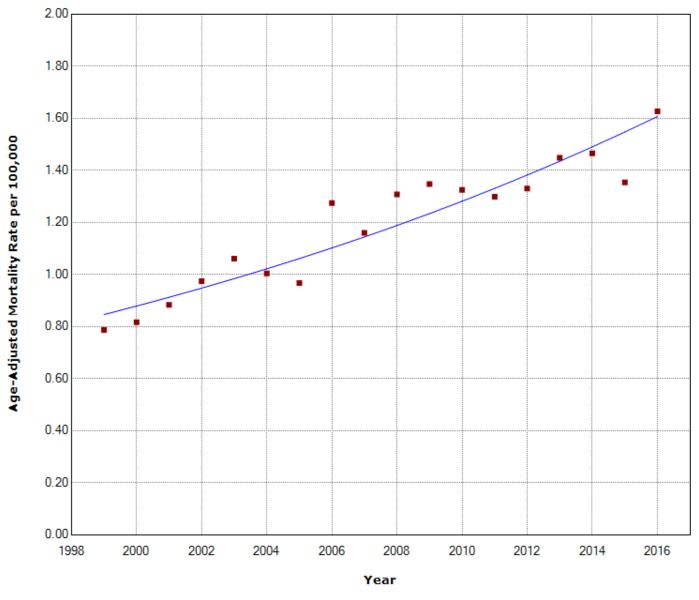
Observed

1999.0-2002.0 APC = 12.64[^] 2002.0-2016.0 APC = 3.27[^]



[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 1 Joinpoint.

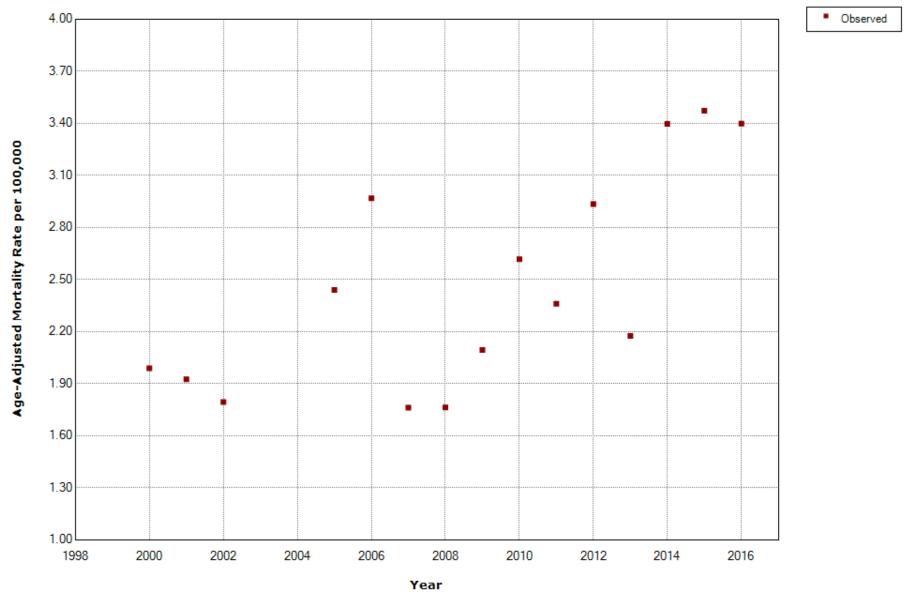
Obesity (E65-E68) / Hispanics: O Joinpoints



[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 0 Joinpoints.

Observed 1999.0-2016.0 APC = 3.85^

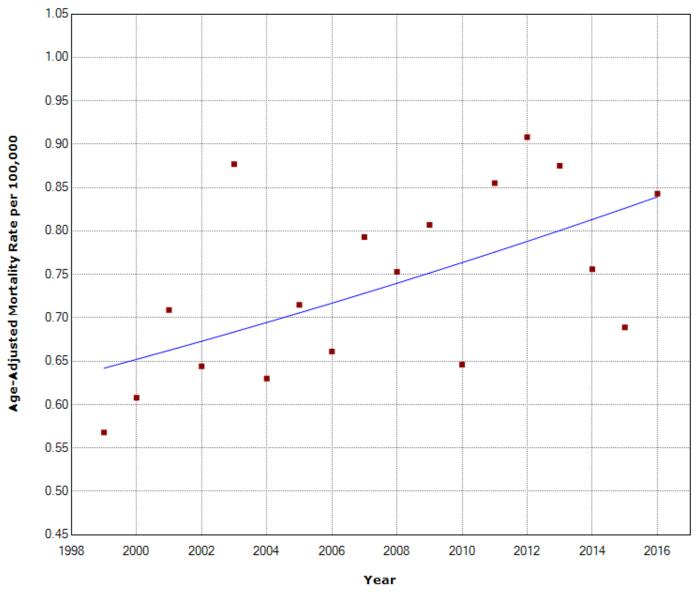
Metabolic disorders (E70-E88) / NH AIAN: Observed



[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level.

** Joinpoint cannot process records with missing dependent variable values. Joinpoint will not analyze by-groups that have this error. (Row = 1620, Col = 1)

Metabolic disorders (E70-E88) / NH API: 0 Joinpoints



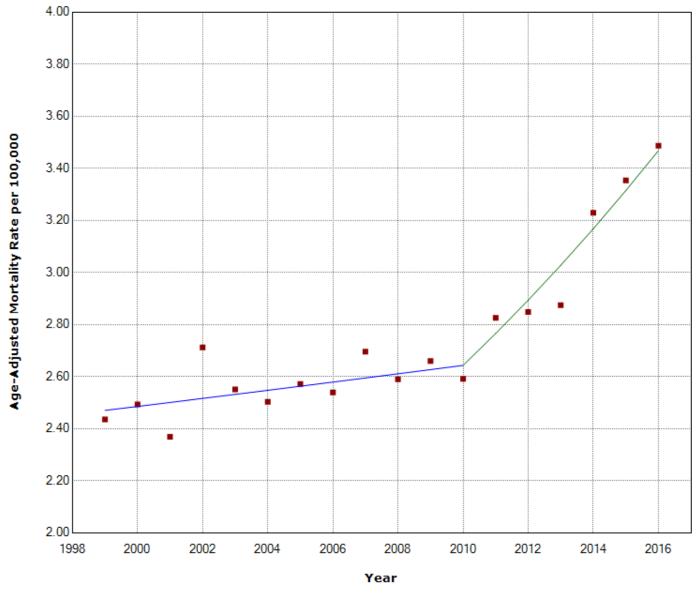
[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 0 Joinpoints.

Observed 1999.0-2016.0 APC = 1.59^

Metabolic disorders (E70-E88) / NH Blacks: 1 Joinpoint

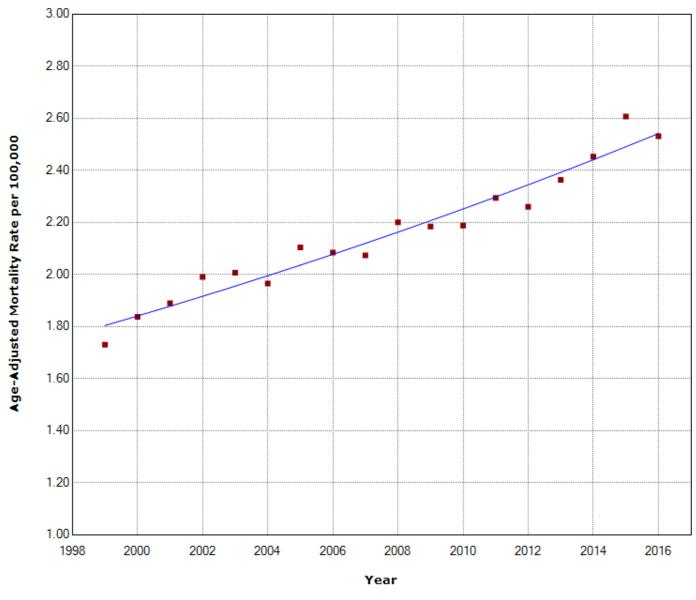
Observed

1999.0-2010.0 APC = 0.62 2010.0-2016.0 APC = 4.63^



[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 1 Joinpoint.

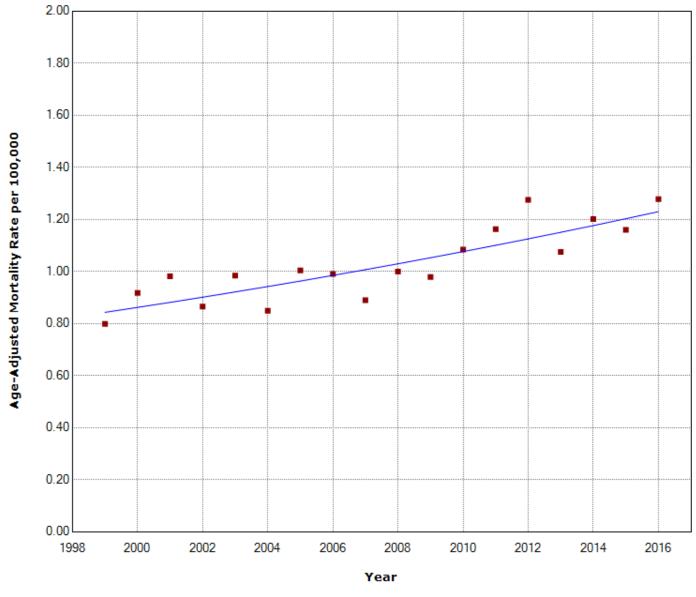
Metabolic disorders (E70-E88) / NH whites: O Joinpoints



[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 0 Joinpoints.

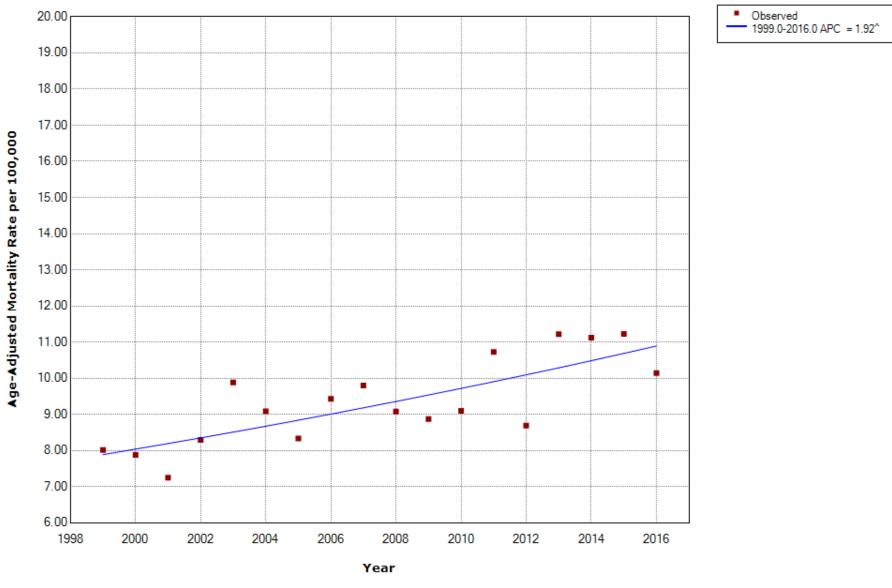
Observed 1999.0-2016.0 APC = 2.04^

Metabolic disorders (E70-E88) / Hispanics: 0 Joinpoints

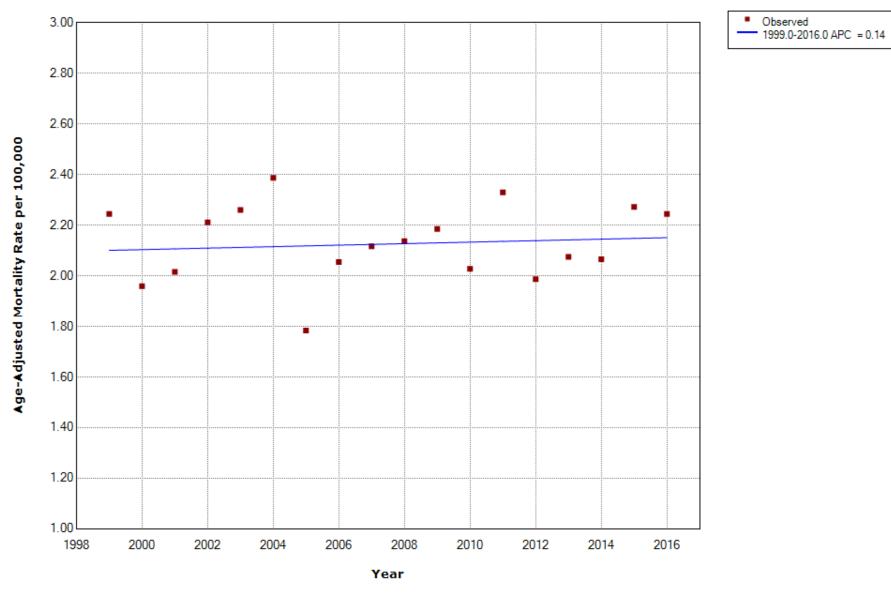


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 0 Joinpoints.

Observed 1999.0-2016.0 APC = 2.25^



[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 0 Joinpoints.

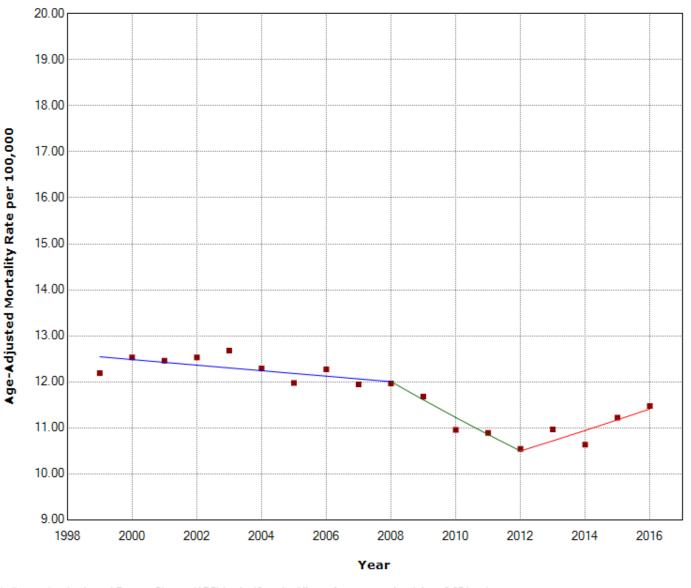


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 0 Joinpoints.

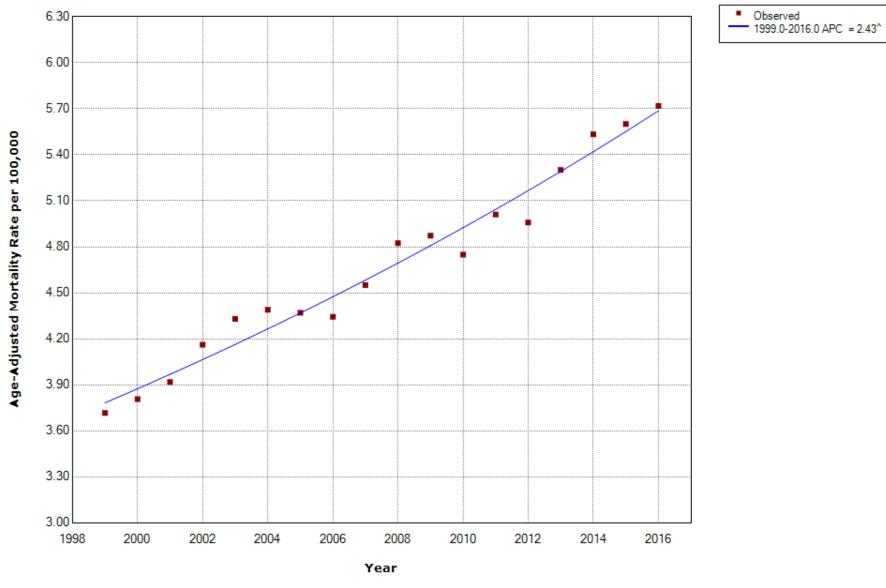
Intestinal, tuberculosis, zoonotic and other bacterial, sexually transmitted, spirochaetal, chlamydial, rickettsioses, central nervous system, arthropod-borne, viral hemorrhagic (A00-A99) / NH Blacks: 2 Joinpoints

Observed 1999.0-2008.0 APC = -0.49

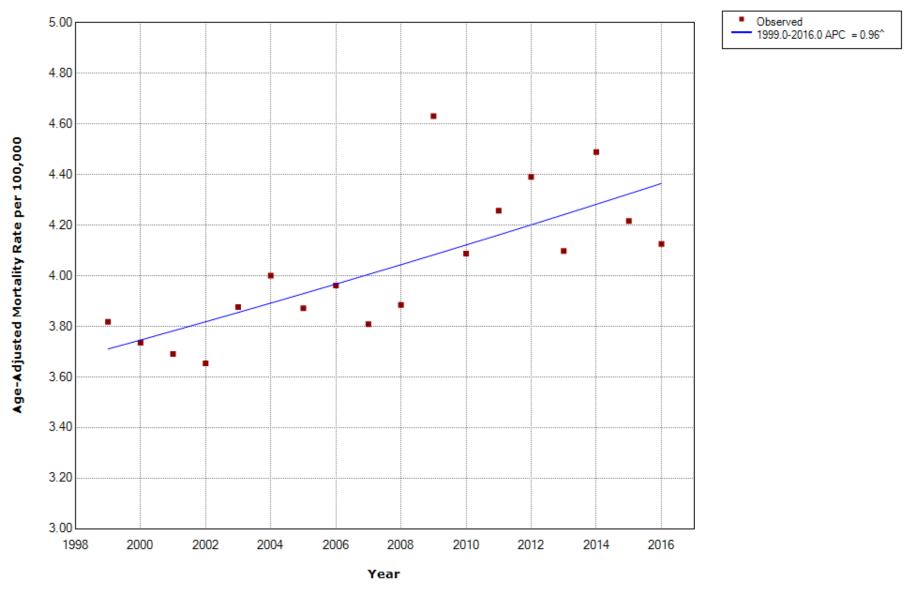
2008.0-2012.0 APC = -3.30[^] 2012.0-2016.0 APC = 2.11[^]



[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 2 Joinpoints.

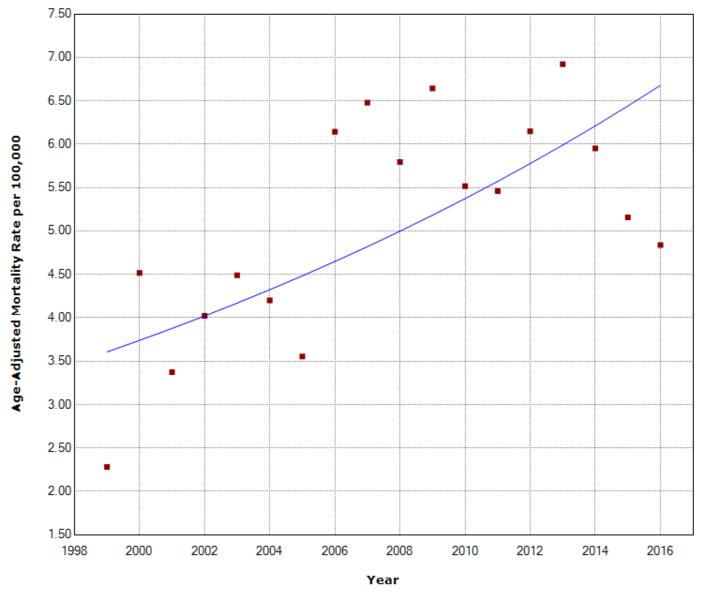


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 0 Joinpoints.



[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 0 Joinpoints.

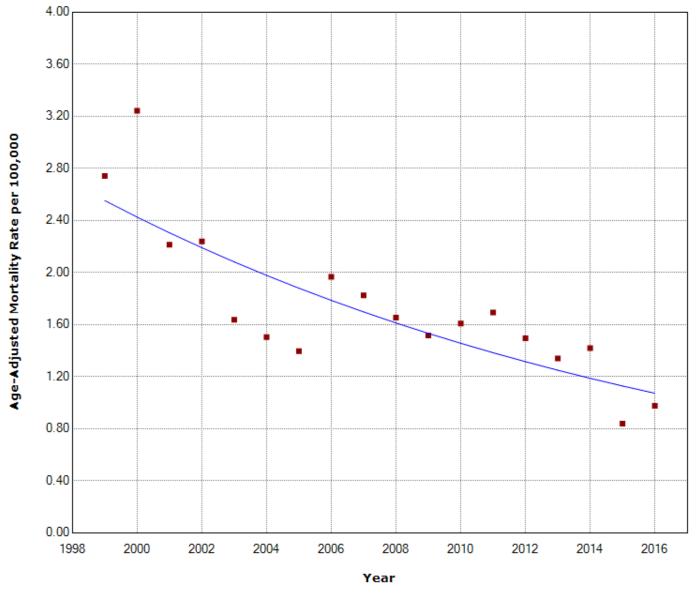
Viral hepatitis (B15-B19) / NH AIAN: 0 Joinpoints



[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 0 Joinpoints.

Observed 1999.0-2016.0 APC = 3.69^

Viral hepatitis (B15-B19) / NH API: 0 Joinpoints



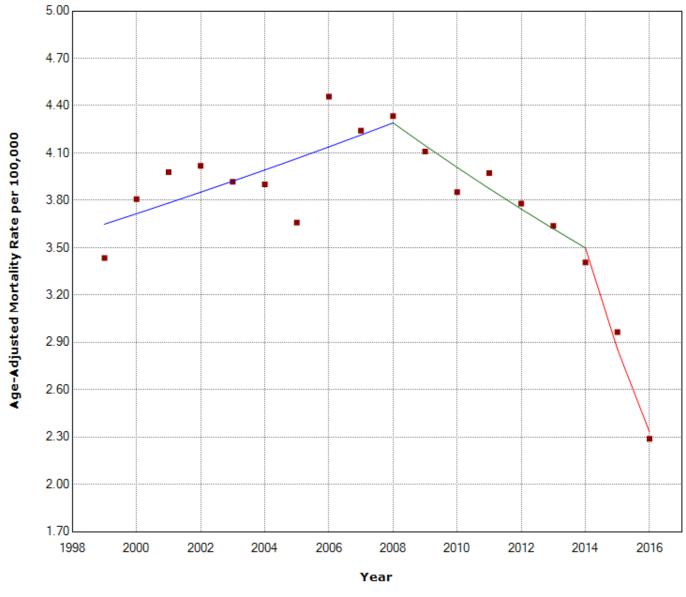
[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 0 Joinpoints.

Observed 1999.0-2016.0 APC = -4.97^

Viral hepatitis (B15-B19) / NH Blacks: 2 Joinpoints

Observed

1999.0-2008.0 APC = 1.81^ 2008.0-2014.0 APC = -3.34 2014.0-2016.0 APC = -18.36^

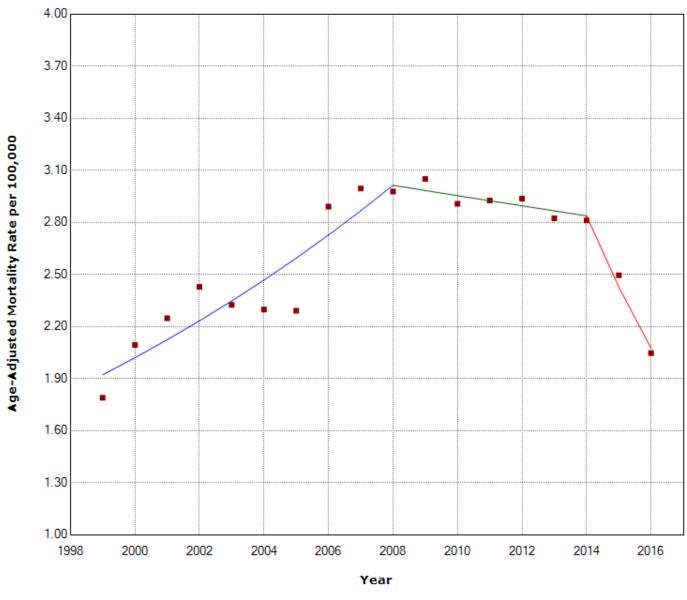


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 2 Joinpoints.

Viral hepatitis (B15-B19) / NH whites: 2 Joinpoints

Observed

1999.0-2008.0 APC = 5.13[^] 2008.0-2014.0 APC = -1.00 2014.0-2016.0 APC = -14.49

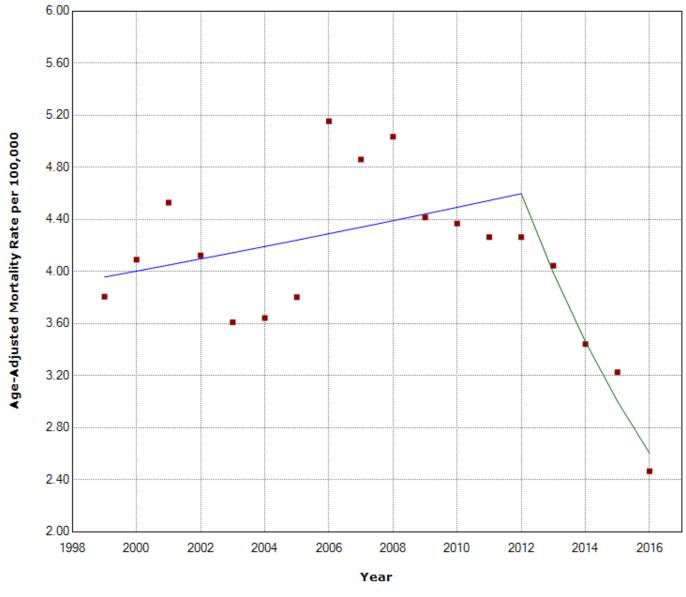


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 2 Joinpoints.

Viral hepatitis (B15-B19) / Hispanics: 1 Joinpoint

Observed

1999.0-2012.0 APC = 1.16 2012.0-2016.0 APC = -13.25^

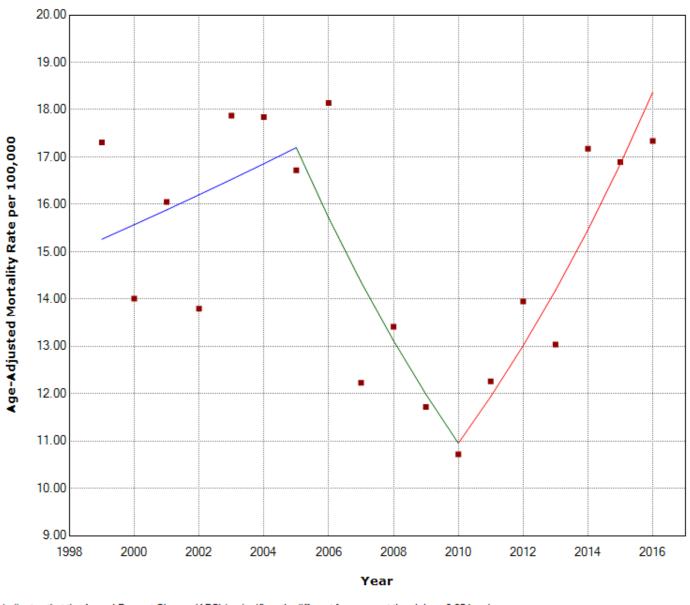


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 1 Joinpoint.

Mental and behavioral disorders due to psychoactive substance use (F10-F19) / NH AIAN: 2 Joinpoints

Observed

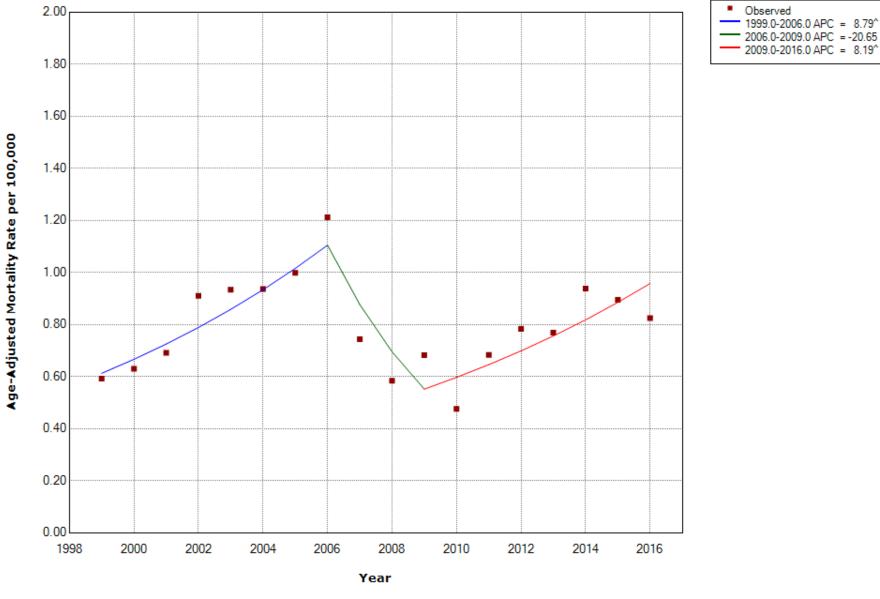
= 1999.0-2005.0 APC = 2.01 = 2005.0-2010.0 APC = -8.62 = 2010.0-2016.0 APC = 9.00^



[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 2 Joinpoints.

Mental and behavioral disorders due to psychoactive substance use (F10-F19) / NH API: 2 Joinpoints

2006.0-2009.0 APC = -20.65 2009.0-2016.0 APC = 8.19[^]



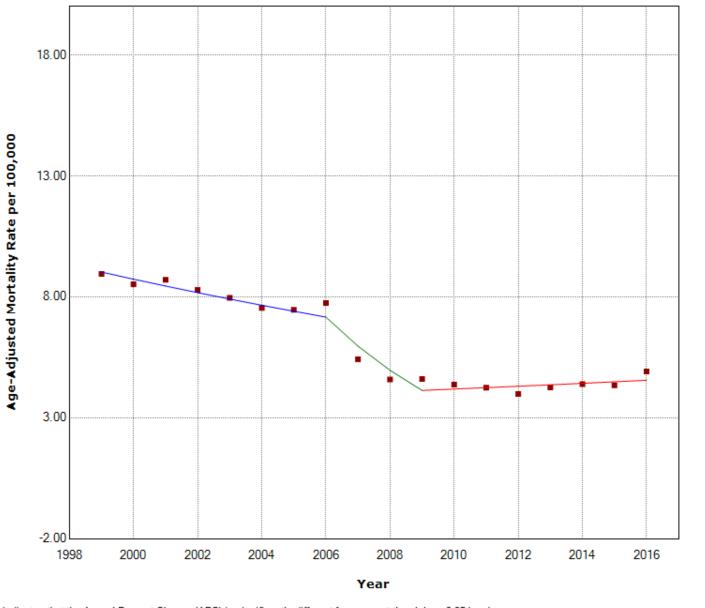
[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 2 Joinpoints.

Mental and behavioral disorders due to psychoactive substance use (F10-F19) / NH Blacks: 2 Joinpoints

Observed

1999.0-2006.0 APC = -3.24[^] 2006.0-2009.0 APC = -16.77[^]

2009.0-2016.0 APC = 1.40

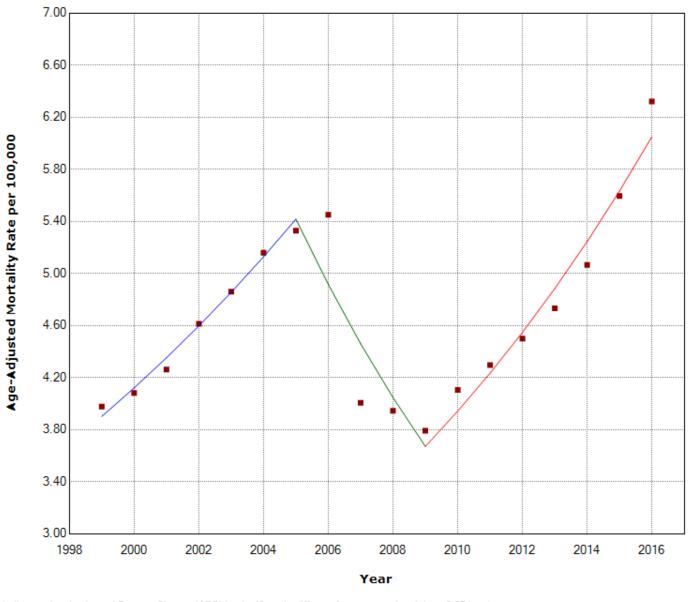


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 2 Joinpoints.

Mental and behavioral disorders due to psychoactive substance use (F10-F19) / NH whites: 2 Joinpoints

Observed

= 1999.0-2005.0 APC = 5.62^ = 2005.0-2009.0 APC = -9.27^ = 2009.0-2016.0 APC = 7.40^

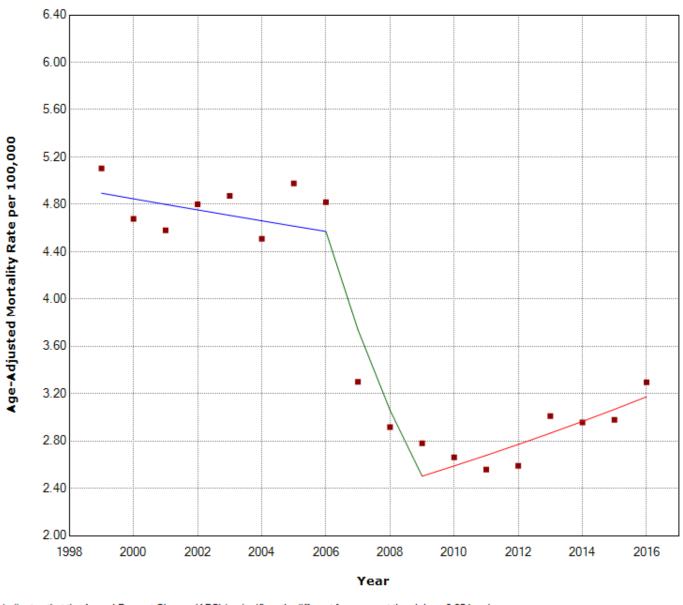


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 2 Joinpoints.

Mental and behavioral disorders due to psychoactive substance use (F10-F19) / Hispanics: 2 Joinpoints

Observed

1999.0-2006.0 APC = -0.97 2006.0-2009.0 APC = -18.18^ 2009.0-2016.0 APC = 3.45^



[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 2 Joinpoints.

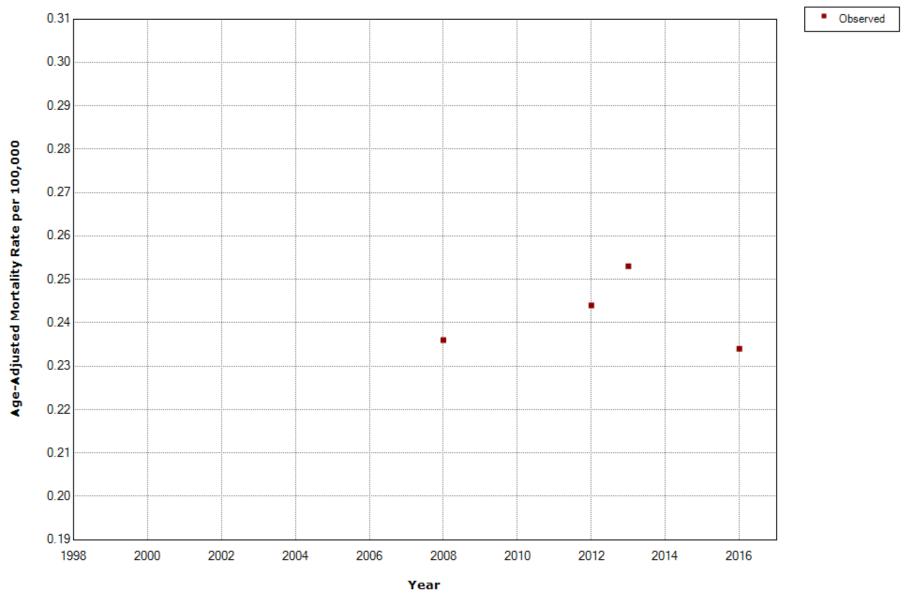
 Observed
<u> </u>

Organic mental disorders, including vascular dementia (F01-F09) / NH AIAN: Observed

[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level.

** Joinpoint cannot process records with missing dependent variable values. Joinpoint will not analyze by-groups that have this error. (Row = 1980, Col = 1)

Organic mental disorders, including vascular dementia (F01-F09) / NH API: Observed



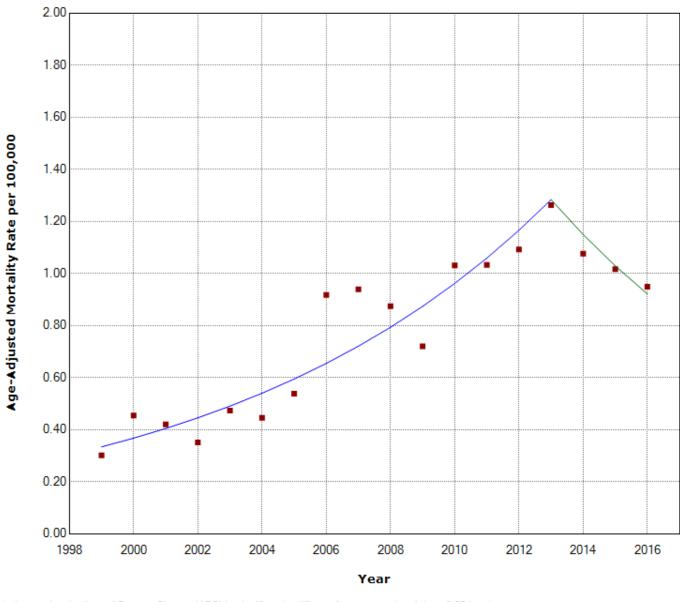
[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level.

** Joinpoint cannot process records with missing dependent variable values. Joinpoint will not analyze by-groups that have this error. (Row = 1998, Col = 1)

Organic mental disorders, including vascular dementia (F01-F09) / NH Blacks: 1 Joinpoint

Observed

1999.0-2013.0 APC = 10.10[^] 2013.0-2016.0 APC = -10.47



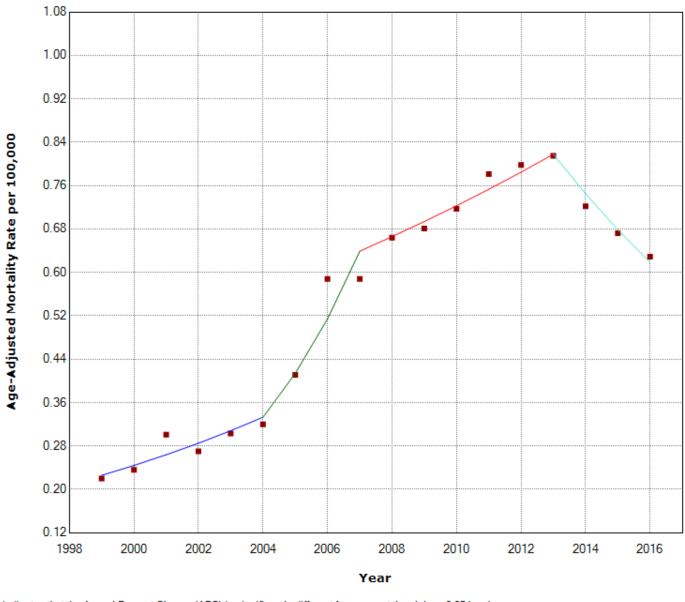
[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 1 Joinpoint.

Organic mental disorders, including vascular dementia (F01-F09) / NH whites: 3 Joinpoints

Observed

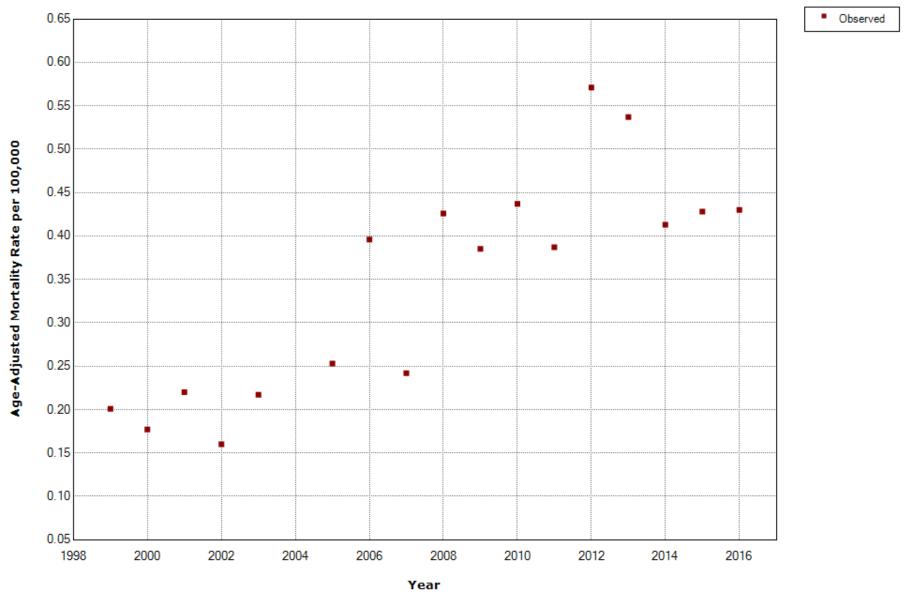
1999.0-2004.0 APC = 8.07[^] 2004.0-2007.0 APC = 24.27[^] 2007.0-2013.0 APC = 4.19

2013.0-2016.0 APC = -8.89



[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 3 Joinpoints.

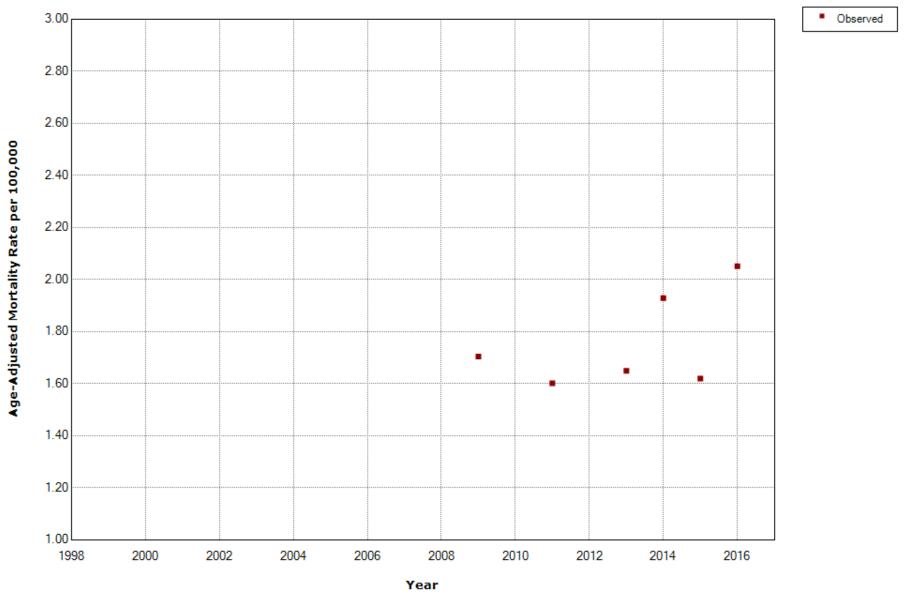
Organic mental disorders, including vascular dementia (F01-F09) / Hispanics: Observed



[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level.

** Joinpoint cannot process records with missing dependent variable values. Joinpoint will not analyze by-groups that have this error. (Row = 2057, Col = 1)

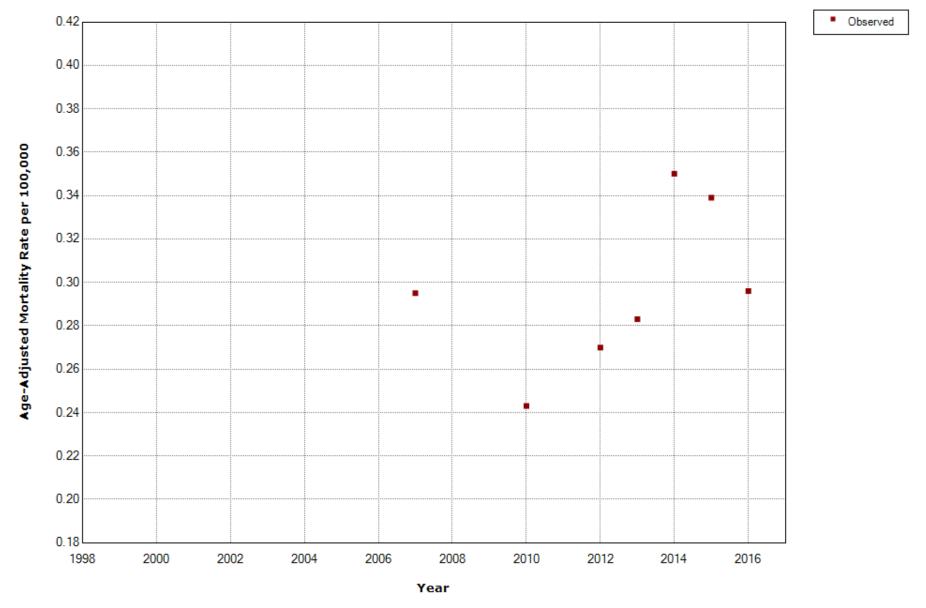
Episodic and paroxysmal disorders, including epilepsy (G40-G47) / NH AIAN: Observed



[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level.

** Joinpoint cannot process records with missing dependent variable values. Joinpoint will not analyze by-groups that have this error. (Row = 2070, Col = 1)

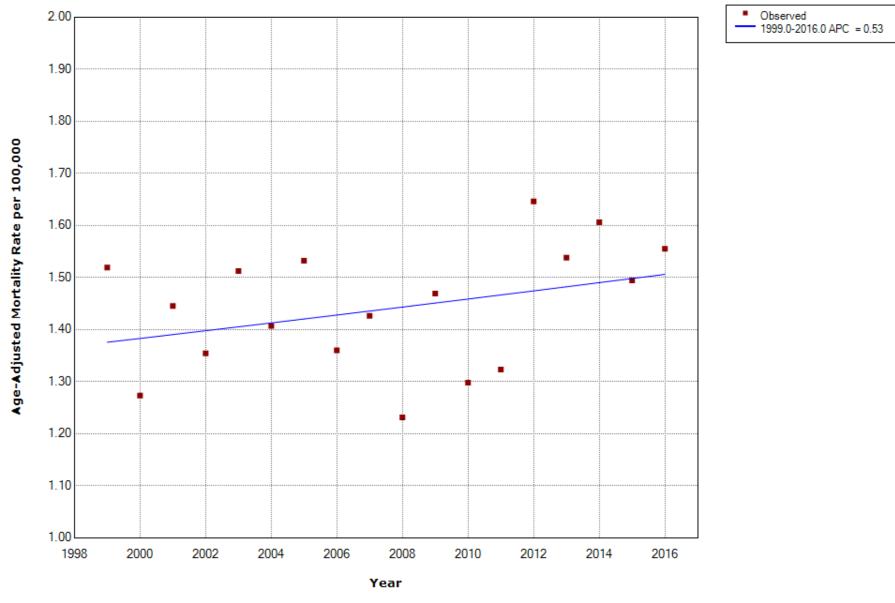
Episodic and paroxysmal disorders, including epilepsy (G40-G47) / NH API: Observed



[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level.

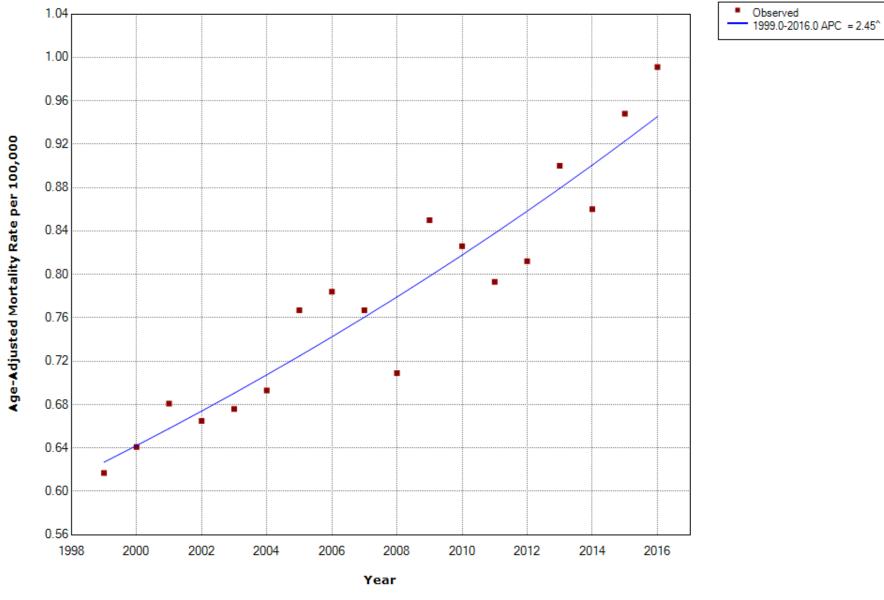
** Joinpoint cannot process records with missing dependent variable values. Joinpoint will not analyze by-groups that have this error. (Row = 2088, Col = 1)

Episodic and paroxysmal disorders, including epilepsy (G40-G47) / NH Blacks: 0 Joinpoints



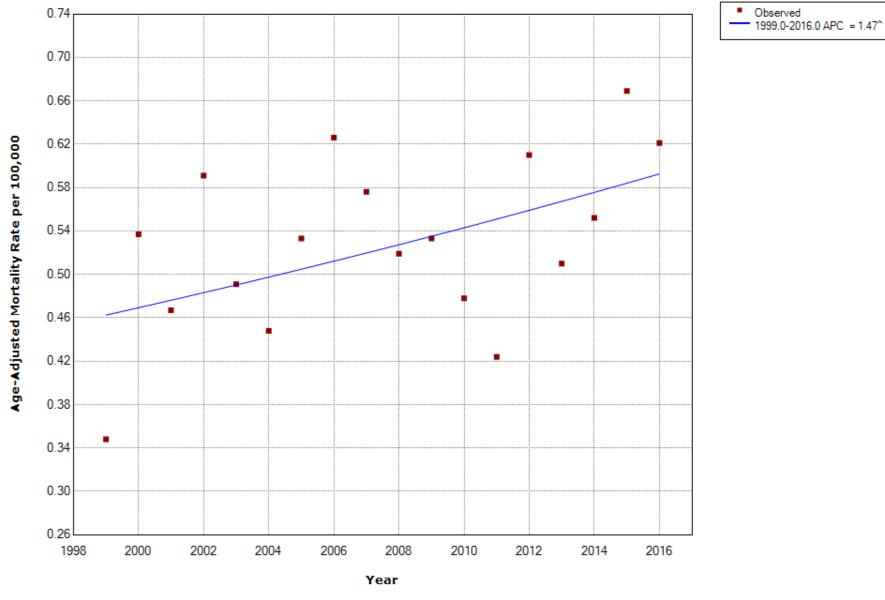
[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 0 Joinpoints.

Episodic and paroxysmal disorders, including epilepsy (G40-G47) / NH whites: 0 Joinpoints



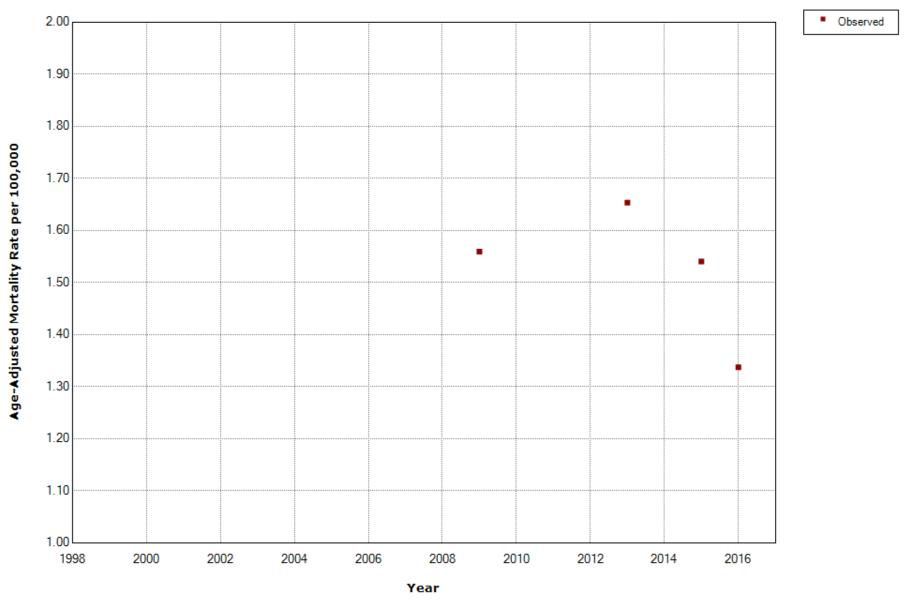
[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 0 Joinpoints.

Episodic and paroxysmal disorders, including epilepsy (G40-G47) / Hispanics: 0 Joinpoints



[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 0 Joinpoints.

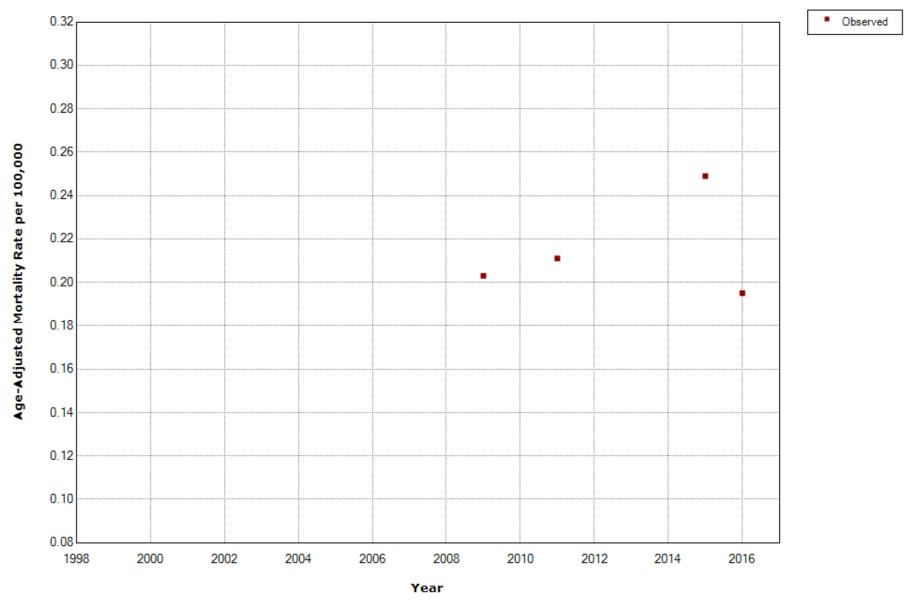
Cerebral palsy and other paralytic syndromes (G80-G83) / NH AIAN: Observed



[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level.

** Joinpoint cannot process records with missing dependent variable values. Joinpoint will not analyze by-groups that have this error. (Row = 2160, Col = 1)

Cerebral palsy and other paralytic syndromes (G80-G83) / NH API: Observed



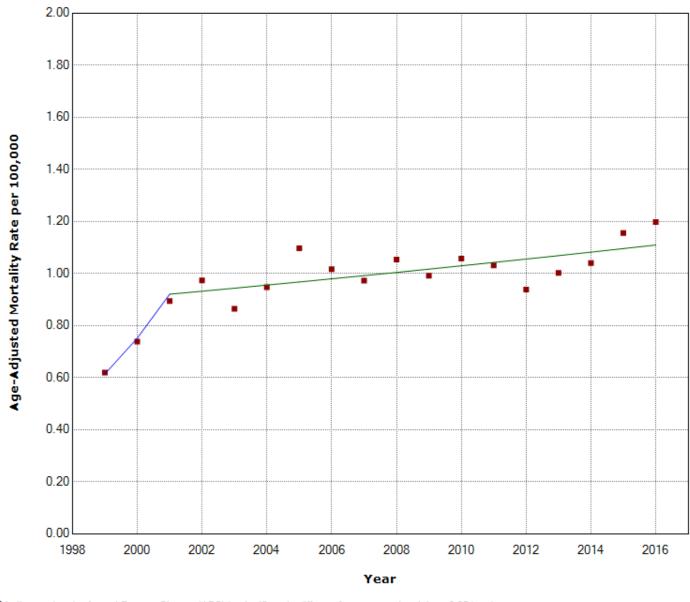
[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level.

** Joinpoint cannot process records with missing dependent variable values. Joinpoint will not analyze by-groups that have this error. (Row = 2178, Col = 1)

Cerebral palsy and other paralytic syndromes (G80-G83) / NH Blacks: 1 Joinpoint

Observed

1999.0-2001.0 APC = 22.46 2001.0-2016.0 APC = 1.25^

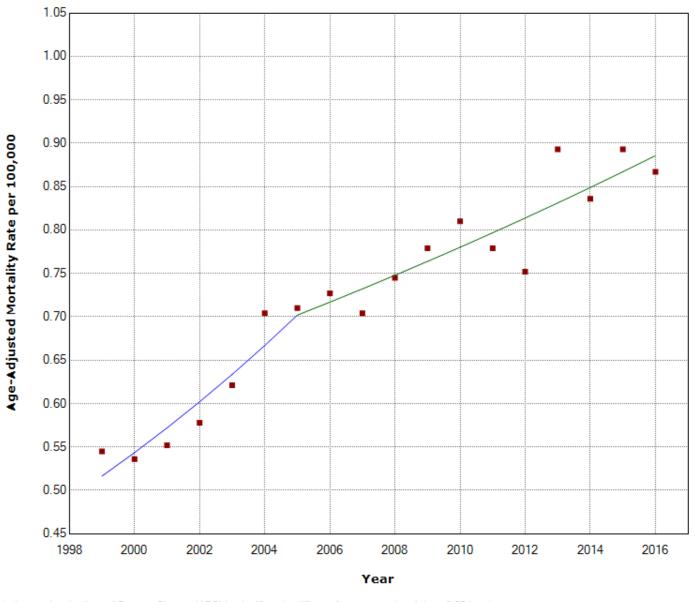


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 1 Joinpoint.

Cerebral palsy and other paralytic syndromes (G80-G83) / NH whites: 1 Joinpoint

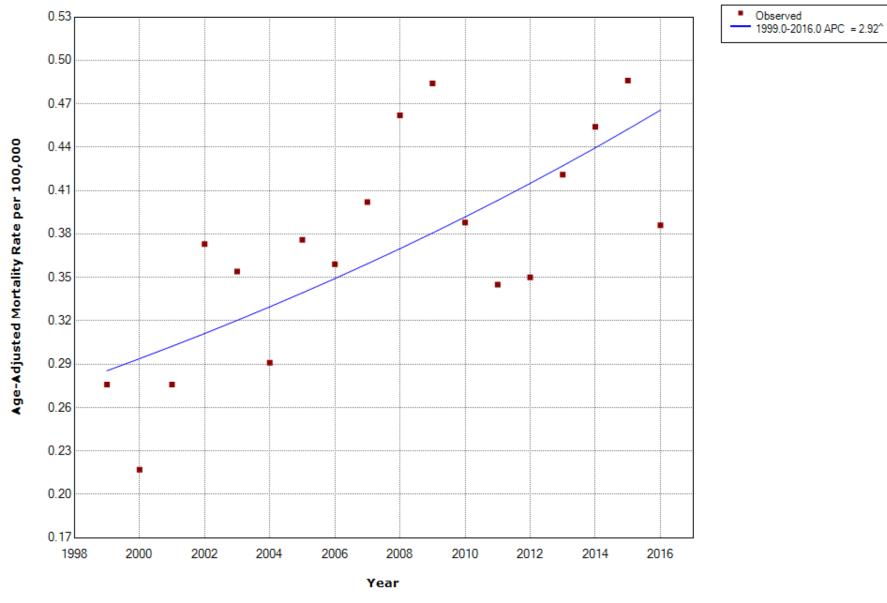
Observed

1999.0-2005.0 APC = 5.24[^] 2005.0-2016.0 APC = 2.14[^]



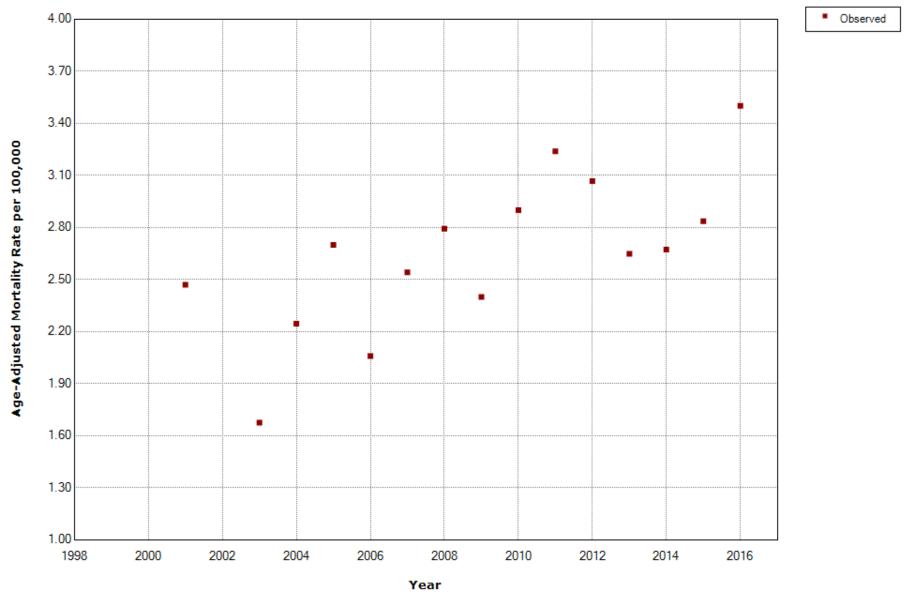
[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 1 Joinpoint.

Cerebral palsy and other paralytic syndromes (G80-G83) / Hispanics: O Joinpoints



[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 0 Joinpoints.

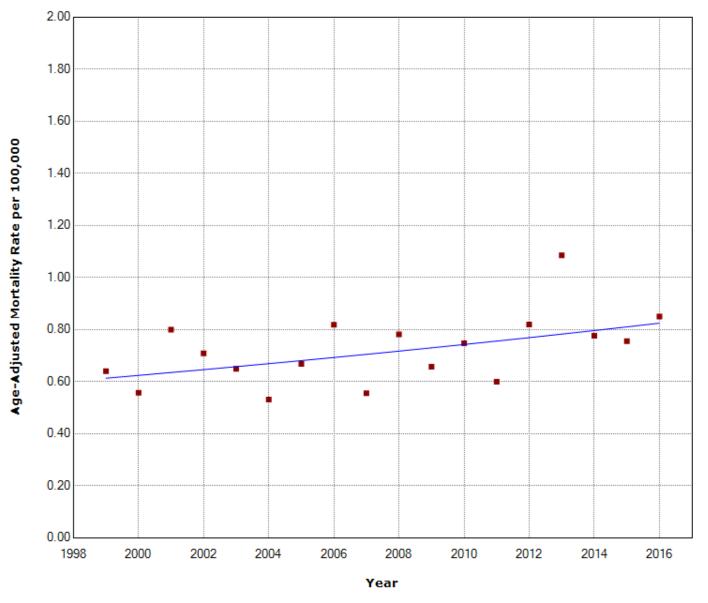
Other disorders of the nervous system (G90-G98) / NH AIAN: Observed



[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level.

** Joinpoint cannot process records with missing dependent variable values. Joinpoint will not analyze by-groups that have this error. (Row = 2250, Col = 1)

Other disorders of the nervous system (G90-G98) / NH API: 0 Joinpoints

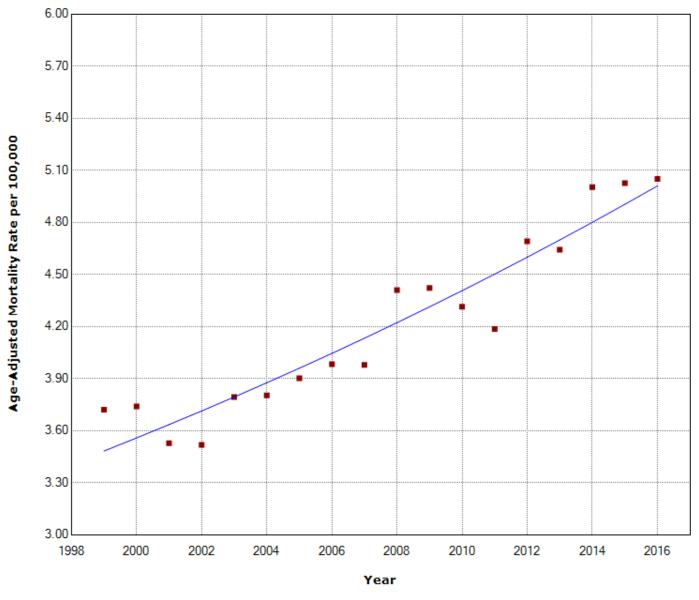


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 0 Joinpoints.

Observed 1999.0-2016.0 APC = 1.76^

Other disorders of the nervous system (G90-G98) / NH Blacks: 0 Joinpoints

Observed 1999.0-2016.0 APC = 2.16^

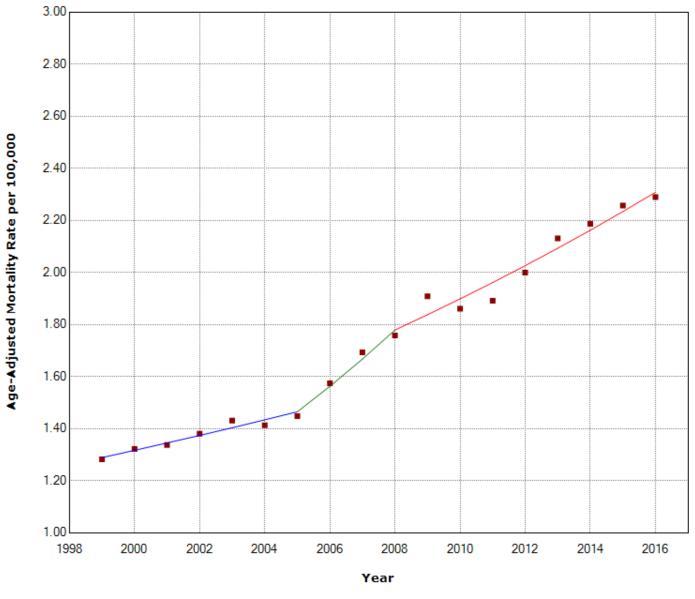


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 0 Joinpoints.

Other disorders of the nervous system (G90-G98) / NH whites: 2 Joinpoints

Observed

1999.0-2005.0 APC = 2.15[^] 2005.0-2008.0 APC = 6.69 2008.0-2016.0 APC = 3.31[^]

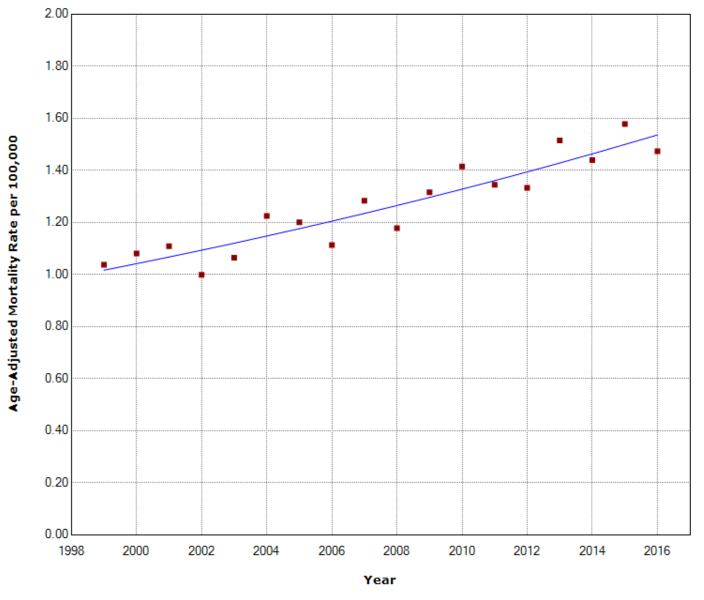


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 2 Joinpoints.

Other disorders of the nervous system (G90-G98) / Hispanics: 0 Joinpoints

Observed

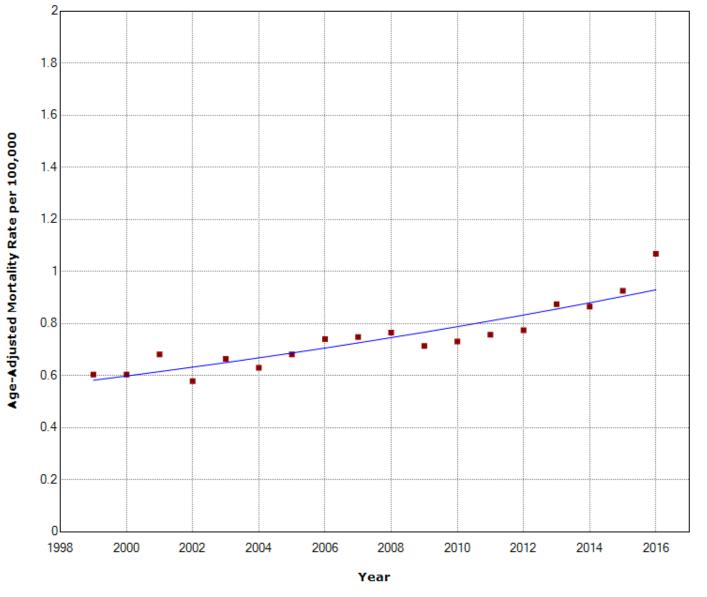
1999.0-2016.0 APC = 2.46[^]



[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 0 Joinpoints.

Alzheimer's/degenerative disorders (G30-G31) / NH whites: 0 Joinpoints

Observed 1999.0-2016.0 APC = 2.79^

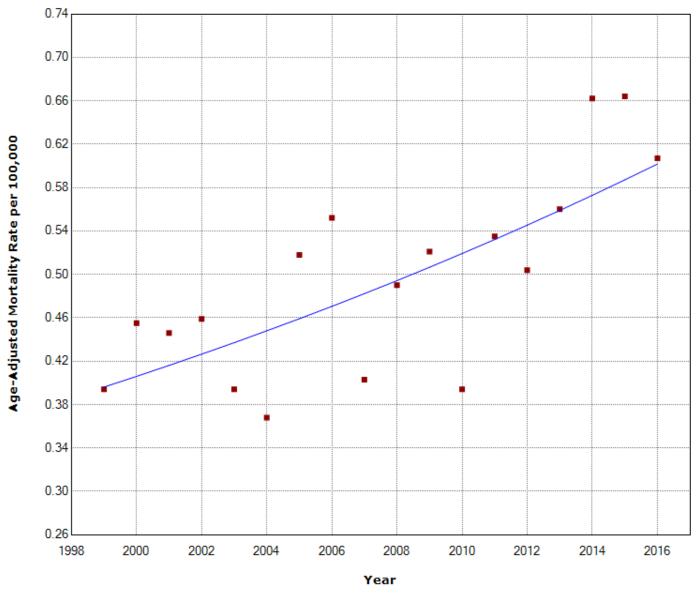


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 0 Joinpoints.

Alzheimer's/degenerative disorders (G30-G31) / NH Blacks: 0 Joinpoints

Observed

1999.0-2016.0 APC = 2.49[^]

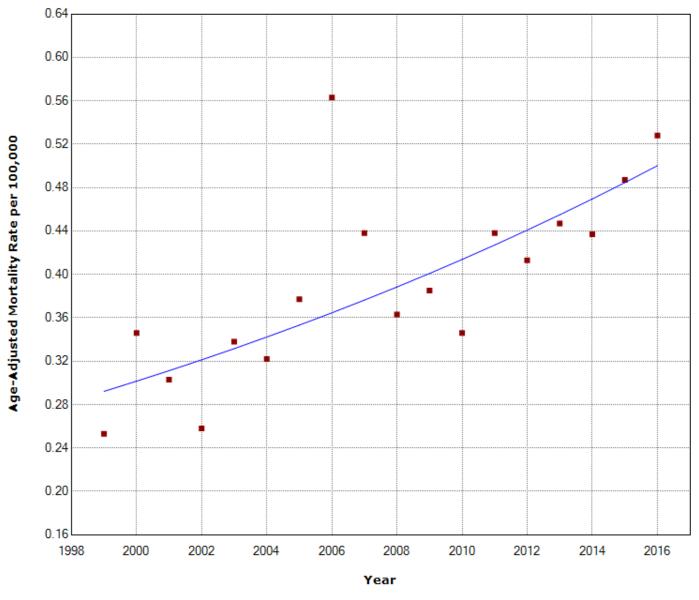


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 0 Joinpoints.

Alzheimer's/degenerative disorders (G30-G31) / Hispanics: 0 Joinpoints

Observed

1999.0-2016.0 APC = 3.21[^]

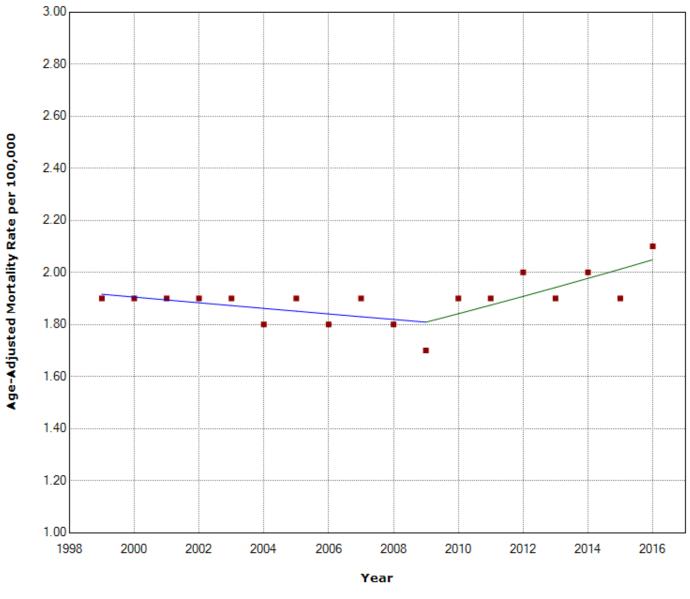


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 0 Joinpoints.

Cancer of lip/oral cavity/pharynx (COO-C14) / NH whites: 1 Joinpoint

Observed

1999.0-2009.0 APC = -0.57 2009.0-2016.0 APC = 1.79^

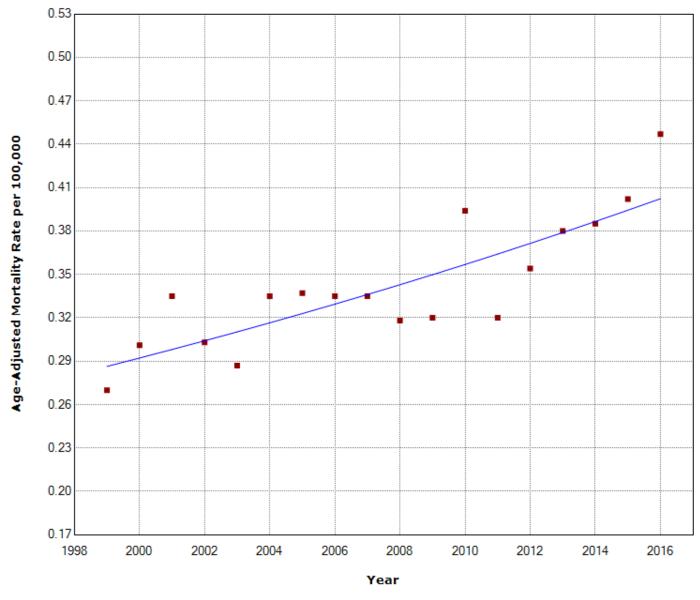


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 1 Joinpoint.

Extrapyramidal/movement disorders (G20-G25) / NH whites: 0 Joinpoints

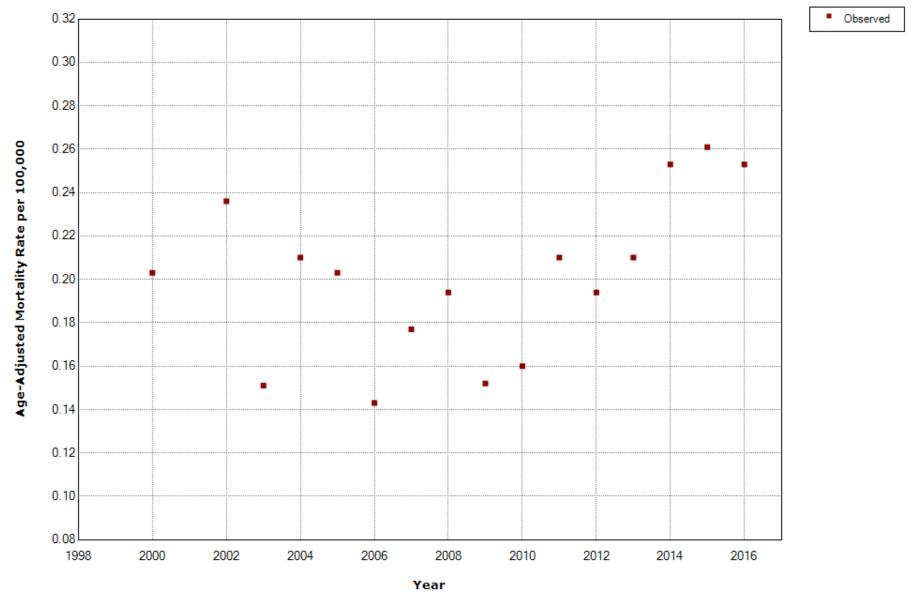
Observed

1999.0-2016.0 APC = 2.02[^]



[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 0 Joinpoints.

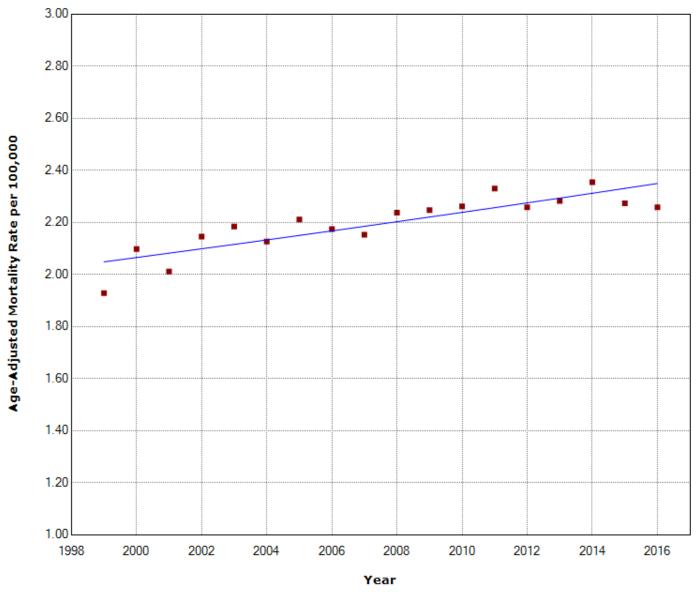
Extrapyramidal/movement disorders (G20-G25) / Hispanics: Observed



[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level.

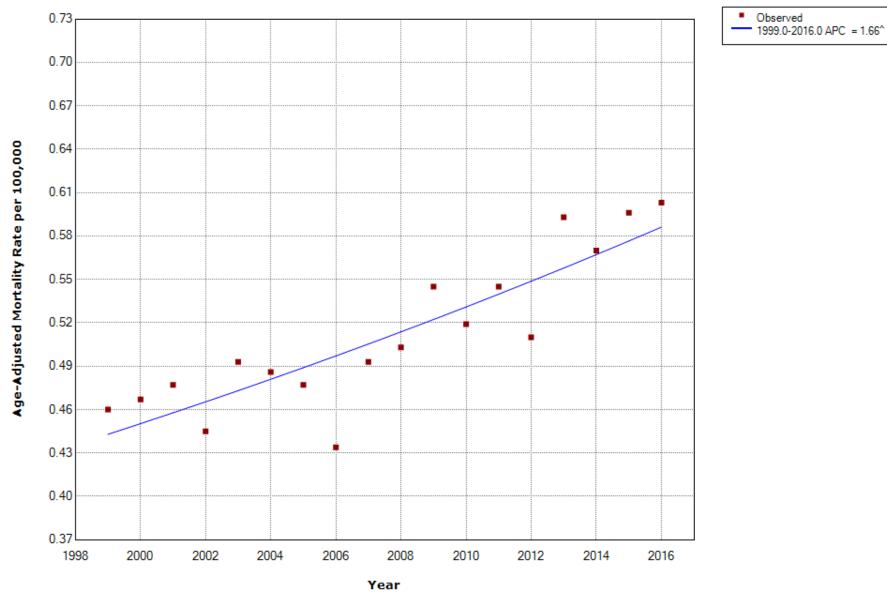
** Joinpoint cannot process records with missing dependent variable values. Joinpoint will not analyze by-groups that have this error. (Row = 90, Col = 1)

Inflammatory diseases (G00-G14) / NH whites: 0 Joinpoints



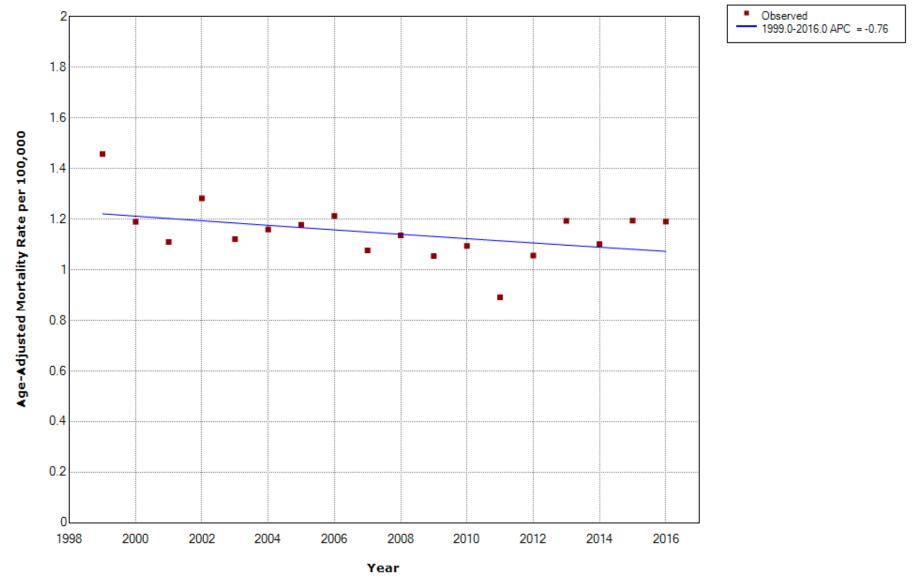
[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 0 Joinpoints.

Observed 1999.0-2016.0 APC = 0.81^



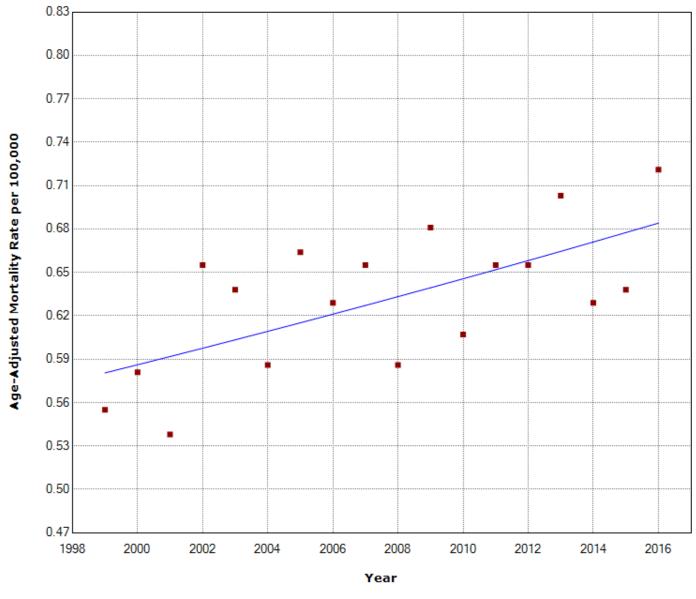
[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 0 Joinpoints.

E00-E07, 15-16, 20-34, 40-46 (Other endocrine disorders {e.g., thyroid and other endocrine glands, malnutrition]) / NH Blacks: 0 Joinpoints



[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 0 Joinpoints.

Misc. peripheral diseases (G50-G72) / NH whites: 0 Joinpoints



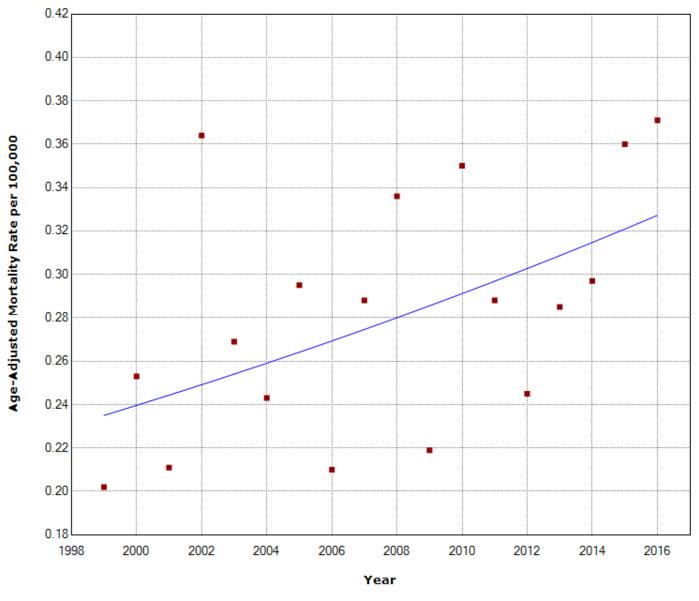
[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 0 Joinpoints.

Observed 1999.0-2016.0 APC = 0.97^

Misc. peripheral diseases (G50-G72) / Hispanics: 0 Joinpoints

Observed

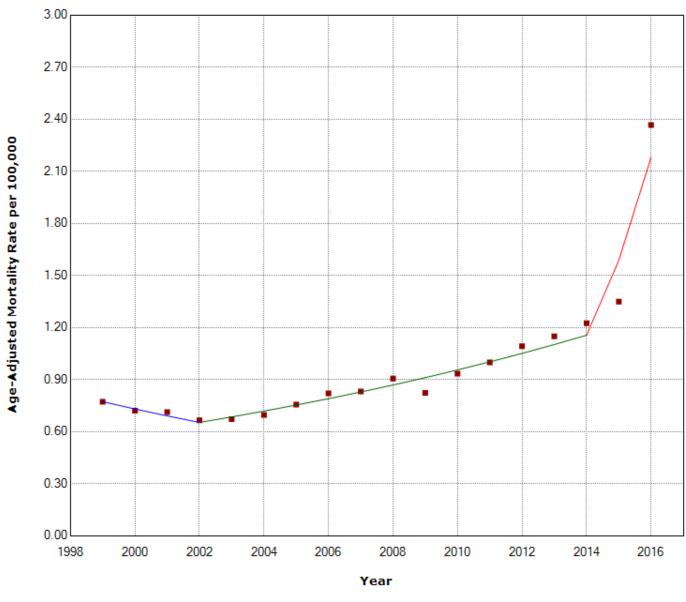
1999.0-2016.0 APC = 1.97[^]



[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 0 Joinpoints.

Observed

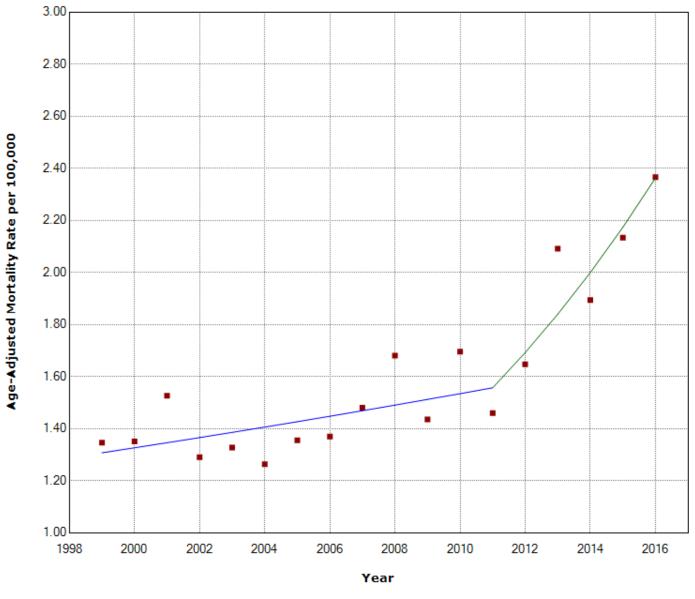
1999.0-2002.0 APC = -5.44 2002.0-2014.0 APC = 4.87° 2014.0-2016.0 APC = 37.39°



[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 2 Joinpoints.

Observed

1999.0-2011.0 APC = 1.47 2011.0-2016.0 APC = 8.70^

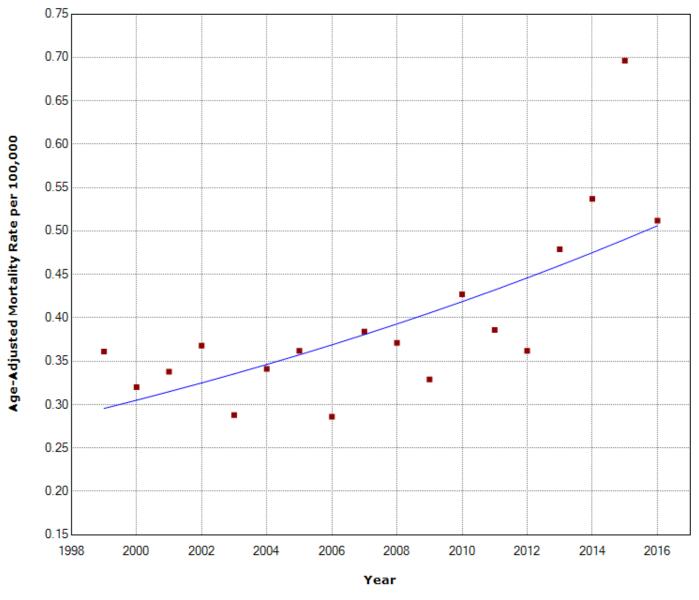


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 1 Joinpoint.

Misc. respiratory system disorders (J96-J98) / Hispanics: O Joinpoints

Observed

1999.0-2016.0 APC = 3.21[^]

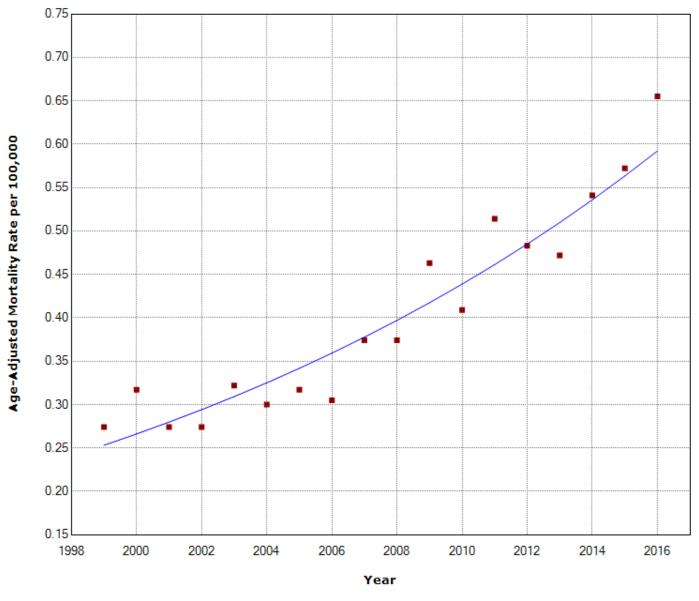


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 0 Joinpoints.

Other forms of accidental poisoning (X46-X49) / NH whites: 0 Joinpoints

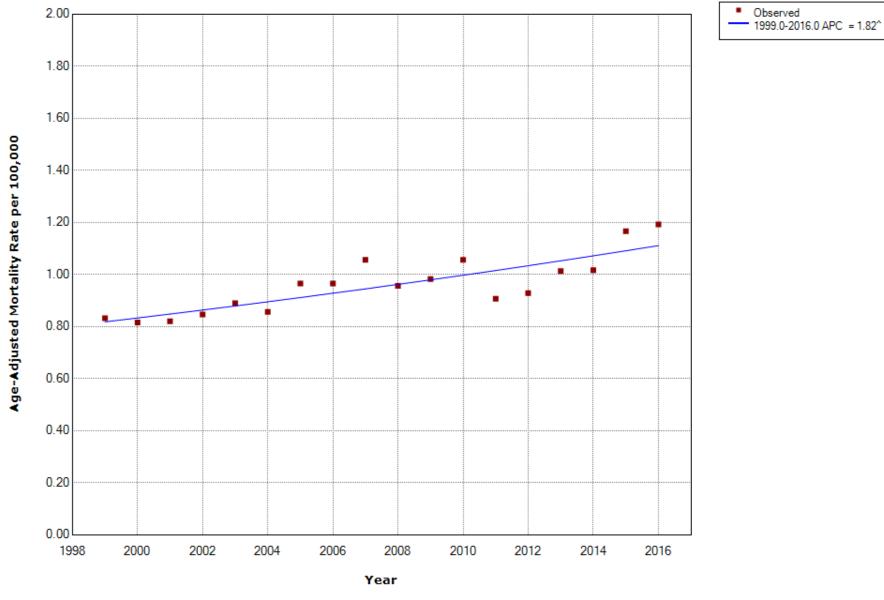
Observed

1999.0-2016.0 APC = 5.13[^]



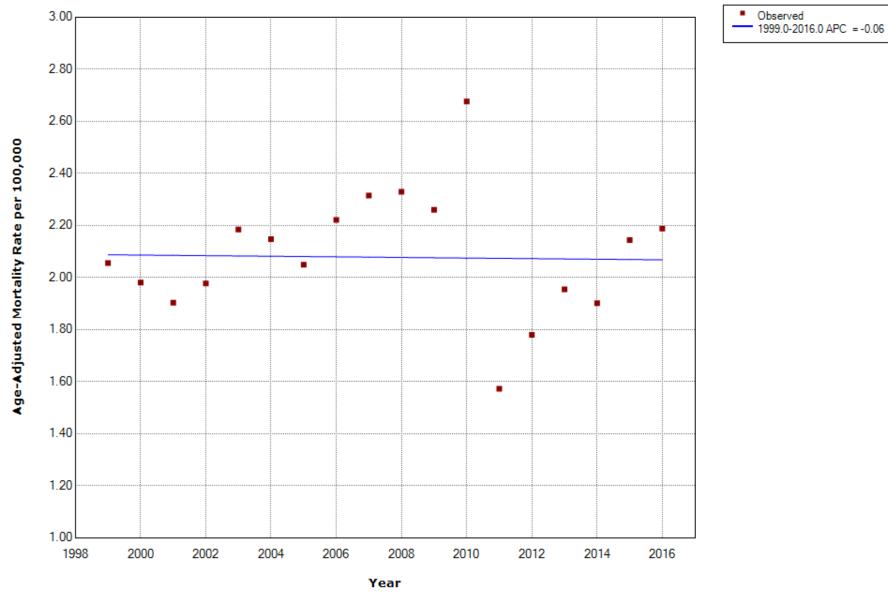
[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 0 Joinpoints.

Other urinary system diseases (N00-N15, N20-39) / NH whites: 0 Joinpoints



[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 0 Joinpoints.

Other urinary system diseases (NOO-N15, N2O-39) / NH Blacks: O Joinpoints

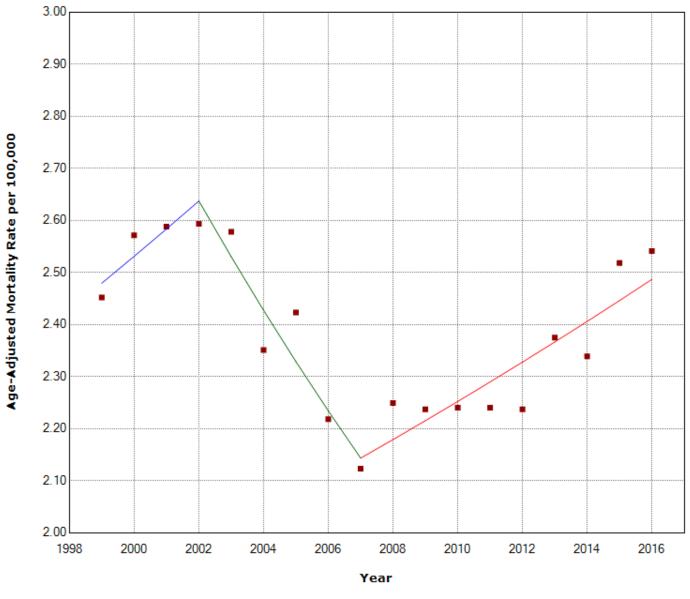


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 0 Joinpoints.

Pulmonary heart disease (I26-I28) / NH whites: 2 Joinpoints

Observed

= 1999.0-2002.0 APC = 2.08 = 2002.0-2007.0 APC = -4.06^ = 2007.0-2016.0 APC = 1.66^

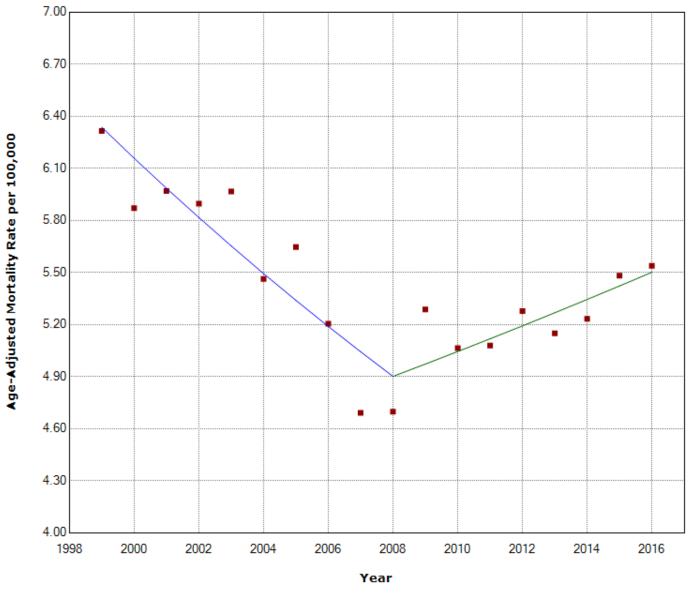


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 2 Joinpoints.

Pulmonary heart disease (I26-I28) / NH Blacks: 1 Joinpoint

Observed

1999.0-2008.0 APC = -2.81[^] 2008.0-2016.0 APC = 1.45[^]

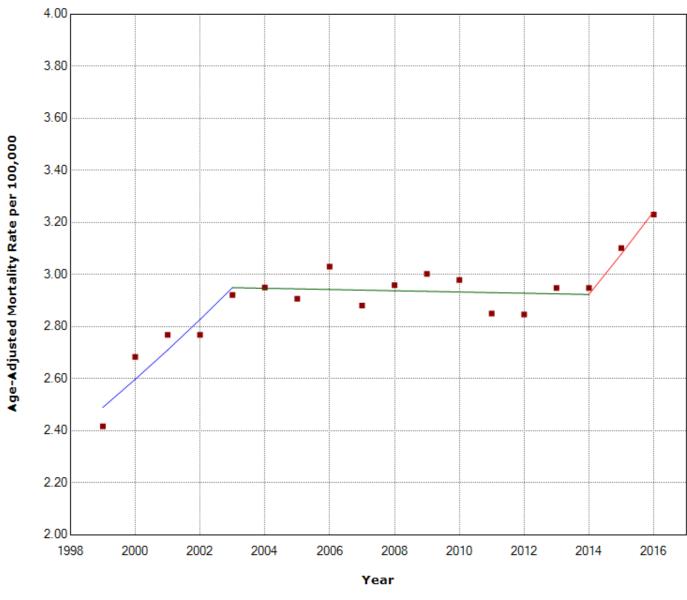


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 1 Joinpoint.

Renal failure (N17-N19) / NH whites: 2 Joinpoints

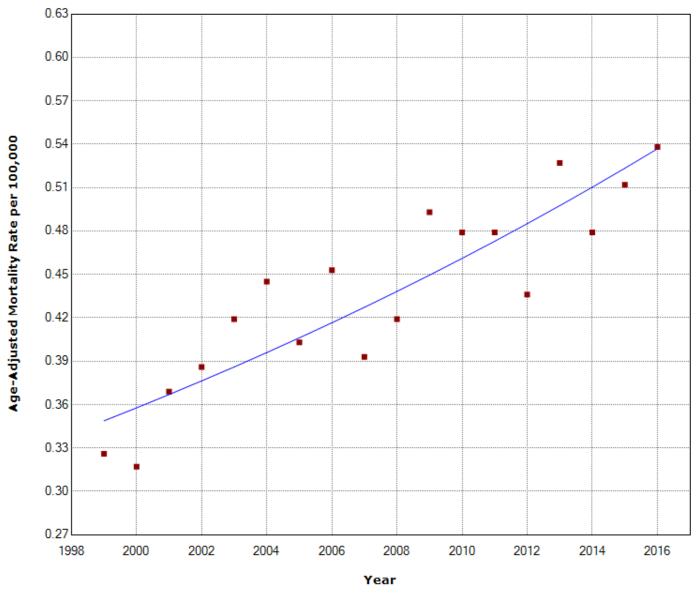
Observed

- 1999.0-2003.0 APC = 4.33[^] - 2003.0-2014.0 APC = -0.08 - 2014.0-2016.0 APC = 5.32



[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 2 Joinpoints.

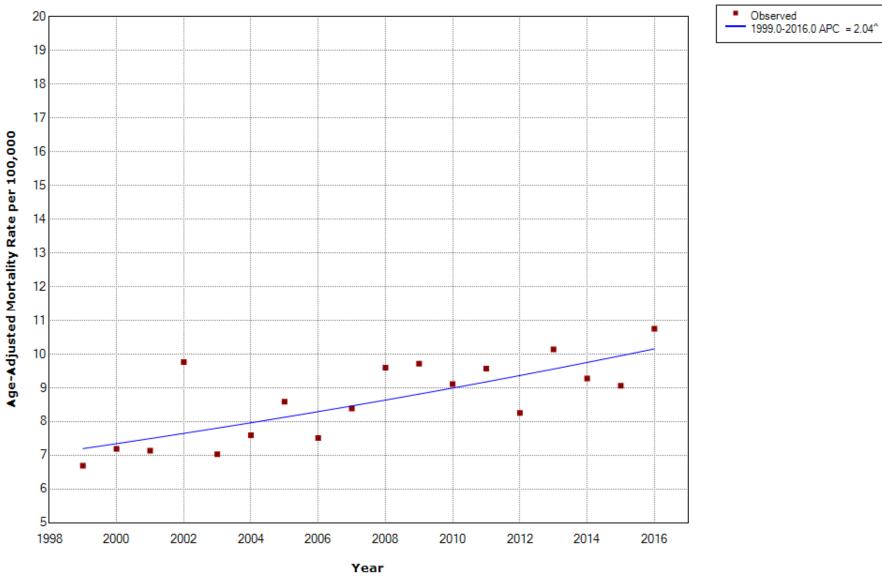
Skin diseases (L00-L98) / NH whites: 0 Joinpoints



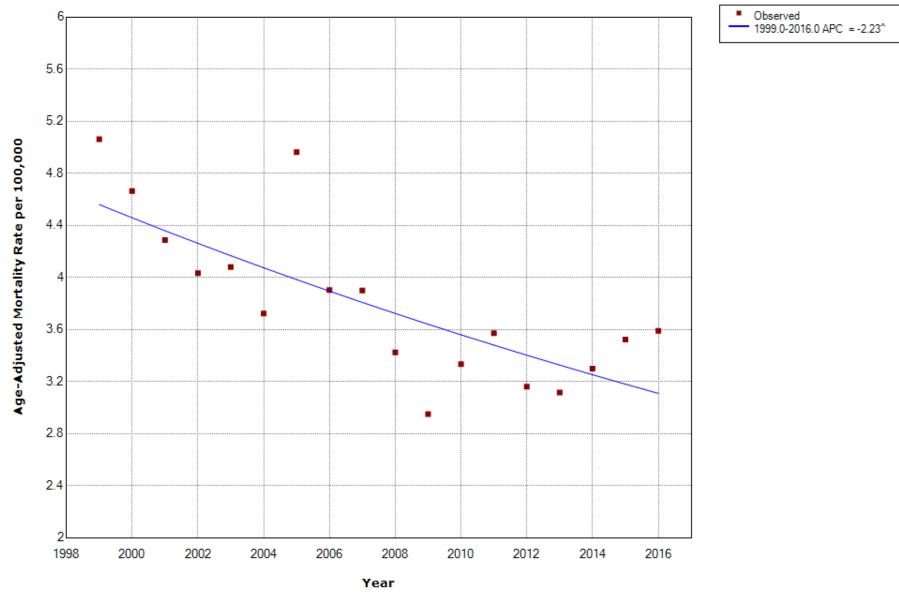
[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 0 Joinpoints.

Observed 1999.0-2016.0 APC = 2.57^

C17-21 (Malignant neoplasm of small intestine, colon, rectosigmoid junction, rectum, anus, anal canal) / NH AIAN: 0
Joinpoints



[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 0 Joinpoints.

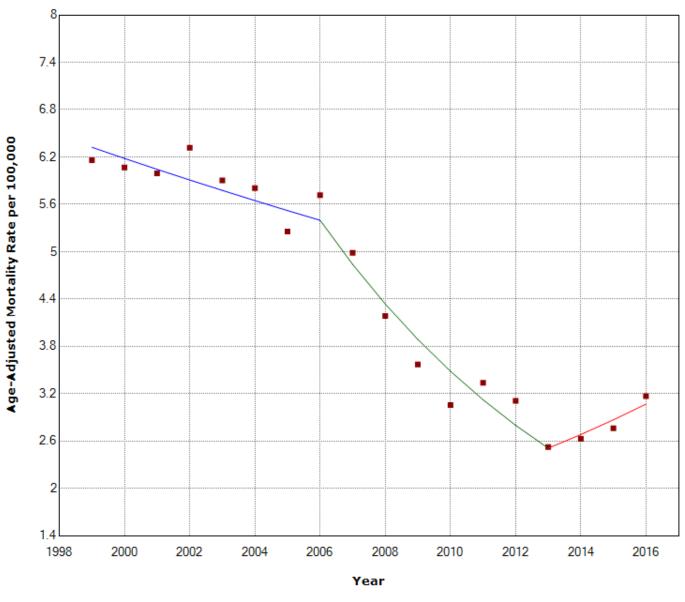


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 0 Joinpoints.

V40-V49 (Car occupant injured in transport accident) / NH Blacks: 2 Joinpoints

Observed

1999.0-2006.0 APC = -2.23 2006.0-2013.0 APC = -10.36^ 2013.0-2016.0 APC = 6.93

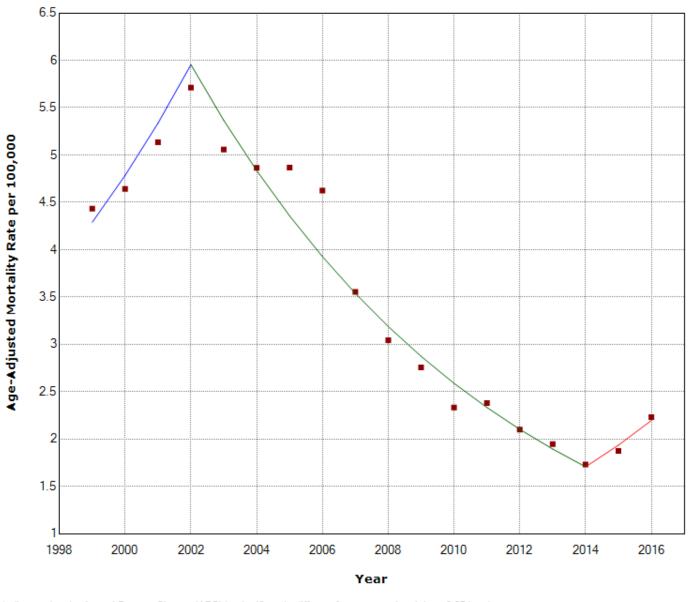


[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 2 Joinpoints.

V40-V49 (Car occupant injured in transport accident) / Hispanics: 2 Joinpoints

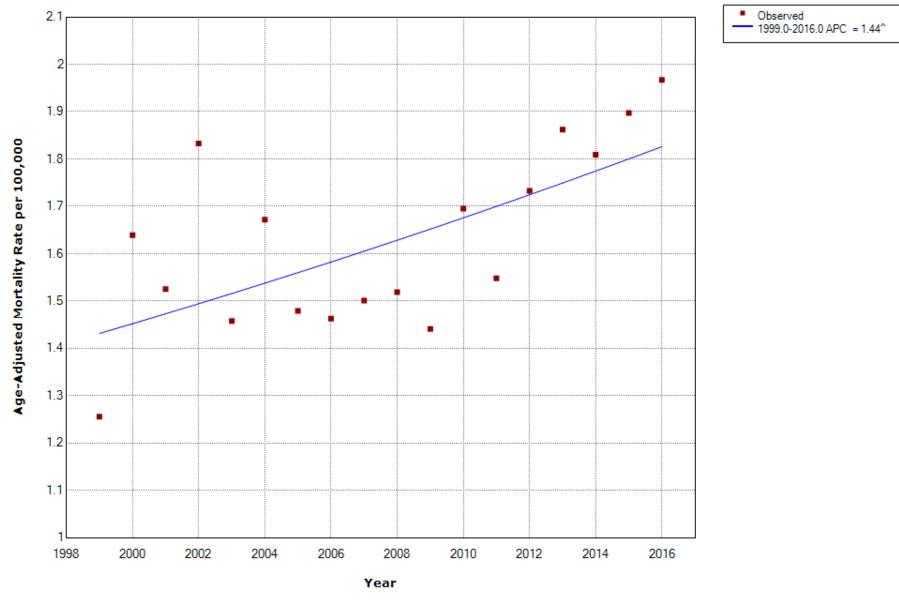
Observed

- 1999.0-2002.0 APC = 11.55 - 2002.0-2014.0 APC = -9.88^ - 2014.0-2016.0 APC = 13.40



[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 2 Joinpoints.

C69-C72 (Malignant neoplasms of eye, brain and other parts of central nervous system) / NH API: O Joinpoints



[^] Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 0 Joinpoints.