

Supplemental Table S1. Definition of Microvascular and Macrovascular Complications

Outcome	Algorithm	ICD-9/ICD-10 CM Codes or Lab Values
Myocardial Infarction (MI)	≥1 principal hospital discharge diagnosis	410, 410.x, I21.x, I21.A1, I21.A9
Unstable Angina	≥1 principal hospital discharge diagnosis of 411.x or ≥1 principal hospital discharge diagnosis of 414.x and secondary discharge diagnosis of 411.x	411, 411.x, 414, 414.x, I20.0, I24.x, I25.x
Stroke	≥1 principal hospital discharge diagnosis or emergency department diagnosis	430,431,432,432.1,432.9, 433.x, 434.x, I60.9, I61.x, I62.x, I63.x, I67.89
Composite Cardiovascular Disease (including MI, unstable angina, or stroke)	≥1 diagnosis code meeting the above criteria for MI, unstable angina, and stroke	See codes in MI, unstable angina, and stroke
Heart Failure	>1 principal hospital discharge diagnosis or ≥3 outpatient diagnosis (at least 1 visit with the cardiologist)	402.x, 404.x, 428, 428.x, 398.91, I09.81, I11.0, I13.0, I13.2, I50.x, I97.x
Stable Angina	≥1 diagnosis code in any setting	413, 413.x, I20.x, I25.x
Peripheral Vascular Disease	≥1 principal hospital discharge diagnosis or ≥2 outpatient diagnosis codes	443, 443.x, I73.x, I77.x, I79.8
Lower Extremity Amputation	≥1 principal hospital discharge diagnosis or ≥2 outpatient diagnosis codes	84.x, 0Y6xxxx
Chronic Kidney Disease	≥2 eGFR values <60 within 90 days Applied the CKD-EPI equation to serum creatinine values	Serum creatinine labs
End-Stage Kidney Disease	First date of chronic kidney dialysis or kidney transplant identified from the KPSC ESKD registry	N/A
Proliferative Diabetic Retinopathy	≥2 outpatient diagnosis codes	362.02, 379.23, E11.35xx, H43.x
Peripheral Neuropathy	≥1 principal hospital discharge diagnosis of 357.2 or ≥2 diagnosis codes of 250.6 in any setting with at least 30 days apart or ≥2 combination of diagnosis codes in any setting	250.6, 337.1, 337.9, 354.9, 355.8, 356.9, 357.2, E11.42
All-cause mortality	California State Mortality File, Social Security Death Records, or Kaiser Permanente Administrative records	N/A

Supplemental Table S2. Cumulative Incidence (95% CI) for Microvascular and Macrovascular Complications

Stratified by Age, Sex, and Race/Ethnicity

(A) Microvascular Complications and Mortality								
Stratification	Yrs	Chronic kidney disease	End-stage kidney disease	Proliferative diabetic retinopathy	Peripheral neuropathy	Lower extremity amputation	All-cause mortality	
Age Category	20-44	2	0.39 (0.31, 0.49)	0.06 (0.03, 0.10)	0.29 (0.22, 0.38)	2.40 (2.19, 2.63)	0.05 (0.02, 0.09)	0.43 (0.34, 0.53)
		5	1.16 (1.00, 1.34)	0.22 (0.16, 0.31)	0.53 (0.43, 0.65)	6.09 (5.72, 6.48)	0.12 (0.08, 0.19)	1.08 (0.92, 1.25)
		10	3.29 (2.91, 3.69)	0.70 (0.53, 0.91)	1.72 (1.44, 2.03)	14.33 (13.58, 15.11)	0.55 (0.40, 0.75)	2.26 (1.97, 2.59)
		13	5.16 (4.52, 5.86)	1.28 (0.93, 1.71)	3.09 (2.57, 3.69)	20.93 (19.70, 22.19)	1.09 (0.80, 1.46)	3.65 (3.13, 4.23)
		15	5.71 (4.92, 6.58)	1.55 (1.11, 2.11)	4.02 (3.13, 5.06)	23.95 (22.00, 25.94)	2.05 (0.72, 4.70)	5.23 (4.06, 6.60)
	45-64	2	2.76 (2.64, 2.90)	0.10 (0.08, 0.13)	0.31 (0.27, 0.35)	4.81 (4.65, 4.98)	0.10 (0.08, 0.13)	1.47 (1.38, 1.56)
		5	6.64 (6.43, 6.85)	0.30 (0.26, 0.35)	0.72 (0.66, 0.79)	11.18 (10.92, 11.44)	0.20 (0.16, 0.24)	3.45 (3.30, 3.60)
		10	14.41 (14.02, 14.81)	0.83 (0.73, 0.93)	1.60 (1.47, 1.74)	21.26 (20.82, 21.70)	0.64 (0.56, 0.74)	7.85 (7.57, 8.14)
		13	19.61 (19.02, 20.22)	1.35 (1.18, 1.53)	2.14 (1.95, 2.36)	27.56 (26.91, 28.21)	0.87 (0.75, 1.01)	11.79 (11.33, 12.26)
		15						
	65-79	2	10.63 (10.25, 11.03)	0.28 (0.23, 0.35)	0.39 (0.33, 0.47)	8.19 (7.89, 8.51)	0.12 (0.09, 0.16)	5.22 (4.98, 5.46)
		5	22.21 (21.66, 22.77)	0.61 (0.53, 0.71)	0.82 (0.72, 0.93)	17.55 (17.10, 18.01)	0.30 (0.24, 0.37)	12.45 (12.08, 12.83)
		10	38.77 (37.89, 39.64)	1.60 (1.41, 1.81)	1.35 (1.20, 1.52)	31.23 (30.51, 31.95)	0.74 (0.61, 0.88)	29.17 (28.51, 29.82)
		13	45.82 (44.63, 47.00)	2.43 (2.10, 2.80)	1.88 (1.63, 2.16)	38.34 (37.31, 39.37)	1.09 (0.89, 1.33)	41.29 (40.35, 42.23)
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	80+	2	22.07 (20.57, 23.61)	0.48 (0.33, 0.67)	0.41 (0.28, 0.59)	10.40 (9.65, 11.18)	0.46 (0.32, 0.65)	18.43 (17.55, 19.33)
		5	38.69 (36.71, 40.66)	0.83 (0.62, 1.09)	1.04 (0.79, 1.35)	21.55 (20.41, 22.72)	0.81 (0.60, 1.07)	41.21 (40.03, 42.38)
		10	54.94 (51.87, 57.89)	1.71 (1.23, 2.33)	1.32 (1.01, 1.72)	32.81 (30.92, 34.72)	1.37 (1.00, 1.82)	74.28 (72.91, 75.60)
		13	60.60 (55.80, 65.05)	2.16 (1.30, 3.38)	1.32 (1.01, 1.72)	38.69 (35.56, 41.82)	1.54 (1.08, 2.14)	86.86 (85.38, 88.20)
		15						
Sex	Women	2	4.95 (4.76, 5.14)	0.14 (0.12, 0.18)	0.29 (0.25, 0.34)	5.32 (5.14, 5.51)	0.07 (0.05, 0.10)	2.99 (2.86, 3.13)
		5	10.68 (10.40, 10.97)	0.33 (0.28, 0.38)	0.63 (0.57, 0.70)	12.14 (11.86, 12.43)	0.15 (0.12, 0.18)	7.08 (6.86, 7.30)
		10	19.80 (19.32, 20.28)	0.84 (0.74, 0.95)	1.29 (1.17, 1.42)	22.58 (22.10, 23.06)	0.42 (0.35, 0.51)	16.34 (15.93, 16.75)
		13	24.87 (24.19, 25.57)	1.41 (1.22, 1.62)	1.86 (1.66, 2.09)	28.61 (27.91, 29.31)	0.56 (0.46, 0.68)	23.02 (22.41, 23.65)
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	Men	2	4.28 (4.11, 4.44)	0.18 (0.15, 0.22)	0.37 (0.33, 0.42)	5.80 (5.62, 5.98)	0.15 (0.13, 0.19)	3.53 (3.39, 3.67)
		5	9.48 (9.23, 9.74)	0.47 (0.41, 0.53)	0.83 (0.76, 0.91)	12.93 (12.65, 13.22)	0.33 (0.29, 0.39)	8.62 (8.39, 8.85)
		10	18.35 (17.90, 18.80)	1.26 (1.14, 1.39)	1.78 (1.64, 1.93)	24.10 (23.62, 24.58)	0.95 (0.84, 1.06)	18.88 (18.46, 19.29)
		13	23.21 (22.57, 23.86)	1.91 (1.70, 2.13)	2.52 (2.29, 2.76)	31.07 (30.36, 31.78)	1.41 (1.24, 1.60)	26.15 (25.54, 26.76)
		15	24.89 (24.09, 25.70)	2.26 (1.94, 2.62)	2.95 (2.60, 3.33)	34.62 (33.53, 35.71)	1.96 (1.41, 2.65)	31.89 (30.71, 33.08)
Race /Ethnicity	Asian	2	3.88 (3.58, 4.21)	0.17 (0.11, 0.24)	0.28 (0.21, 0.37)	2.83 (2.57, 3.09)	0.05 (0.02, 0.10)	1.60 (1.41, 1.80)
		5	8.72 (8.24, 9.22)	0.44 (0.34, 0.57)	0.67 (0.55, 0.82)	7.12 (6.70, 7.56)	0.07 (0.04, 0.13)	4.21 (3.89, 4.55)
		10	17.52 (16.65, 18.40)	1.23 (1.00, 1.50)	1.40 (1.16, 1.68)	14.64 (13.86, 15.43)	0.22 (0.14, 0.34)	10.21 (9.55, 10.88)
		13	22.66 (21.38, 23.97)	2.09 (1.66, 2.60)	1.76 (1.44, 2.15)	18.94 (17.83, 20.08)	0.29 (0.18, 0.46)	13.98 (13.03, 14.97)

	15	23.69 (22.21, 25.20)	2.38 (1.82, 3.06)	2.51 (1.80, 3.40)	21.67 (19.86, 23.54)	0.29 (0.18, 0.46)	18.44 (16.35, 20.64)
Black	2	4.86 (4.51, 5.23)	0.30 (0.23, 0.40)	0.25 (0.18, 0.33)	5.74 (5.38, 6.12)	0.19 (0.13, 0.27)	3.57 (3.29, 3.86)
	5	10.66 (10.12, 11.22)	0.64 (0.52, 0.78)	0.63 (0.51, 0.77)	13.52 (12.95, 14.11)	0.33 (0.25, 0.43)	8.27 (7.83, 8.73)
	10	19.96 (19.04, 20.89)	1.63 (1.37, 1.94)	1.40 (1.16, 1.67)	25.13 (24.19, 26.08)	0.68 (0.52, 0.87)	18.14 (17.34, 18.95)
	13	26.36 (25.02, 27.71)	2.48 (2.04, 2.98)	2.18 (1.75, 2.68)	31.38 (30.09, 32.68)	1.21 (0.92, 1.57)	24.91 (23.76, 26.07)
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Hispanic	2	2.59 (2.44, 2.75)	0.10 (0.08, 0.14)	0.37 (0.32, 0.43)	4.33 (4.14, 4.53)	0.09 (0.06, 0.12)	1.65 (1.53, 1.77)
	5	6.05 (5.80, 6.30)	0.29 (0.24, 0.35)	0.78 (0.70, 0.88)	10.28 (9.97, 10.60)	0.19 (0.15, 0.24)	4.29 (4.09, 4.50)
	10	12.48 (12.01, 12.95)	0.90 (0.77, 1.04)	1.84 (1.66, 2.04)	20.24 (19.68, 20.80)	0.60 (0.49, 0.72)	10.37 (9.96, 10.80)
	13	16.44 (15.73, 17.17)	1.50 (1.25, 1.78)	2.72 (2.41, 3.06)	27.06 (26.18, 27.95)	0.86 (0.69, 1.05)	15.20 (14.54, 15.88)
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White	2	7.11 (6.85, 7.37)	0.18 (0.14, 0.22)	0.36 (0.30, 0.41)	7.87 (7.62, 8.13)	0.15 (0.12, 0.19)	5.16 (4.96, 5.37)
	5	14.92 (14.54, 15.32)	0.42 (0.36, 0.49)	0.76 (0.68, 0.85)	16.69 (16.31, 17.07)	0.33 (0.28, 0.40)	12.05 (11.74, 12.36)
	10	26.32 (25.72, 26.93)	0.98 (0.86, 1.12)	1.43 (1.29, 1.58)	29.22 (28.64, 29.81)	0.97 (0.84, 1.10)	25.70 (25.18, 26.22)
	13	31.51 (30.70, 32.32)	1.44 (1.24, 1.66)	1.96 (1.74, 2.20)	36.39 (35.54, 37.23)	1.32 (1.14, 1.52)	35.01 (34.27, 35.75)
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(B) Macrovascular Complications									
Stratification	Yrs	Myocardial Infarction	Unstable Angina	Stroke	Composite Cardiovascular Disease	Heart Failure	Stable Angina	Peripheral Vascular Disease	
Age Category	20-44	2	0.23 (0.17, 0.31)	0.21 (0.16, 0.29)	0.19 (0.13, 0.26)	0.59 (0.49, 0.71)	0.17 (0.12, 0.24)	0.42 (0.33, 0.52)	0.13 (0.09, 0.19)
		5	0.52 (0.42, 0.65)	0.49 (0.39, 0.61)	0.59 (0.48, 0.73)	1.44 (1.26, 1.64)	0.46 (0.36, 0.57)	0.90 (0.76, 1.05)	0.30 (0.22, 0.40)
		10	1.32 (1.10, 1.59)	0.94 (0.75, 1.15)	1.62 (1.36, 1.91)	3.43 (3.06, 3.83)	1.49 (1.24, 1.77)	2.05 (1.77, 2.37)	0.88 (0.69, 1.11)
		13	2.16 (1.77, 2.61)	1.14 (0.91, 1.41)	2.77 (2.30, 3.30)	5.31 (4.68, 5.98)	2.35 (1.94, 2.82)	2.88 (2.45, 3.36)	1.11 (0.87, 1.40)
		15	4.58 (1.98, 8.86)	1.26 (0.95, 1.63)	3.66 (2.85, 4.62)	8.77 (5.47, 13.03)	2.97 (2.31, 3.77)	5.52 (2.67, 9.89)	1.11 (0.87, 1.40)
		45-64	2	0.55 (0.49, 0.61)	0.58 (0.52, 0.64)	0.62 (0.56, 0.68)	1.55 (1.45, 1.64)	0.64 (0.59, 0.71)	1.37 (1.28, 1.46)
	5		1.34 (1.25, 1.44)	1.33 (1.24, 1.43)	1.63 (1.53, 1.74)	3.69 (3.54, 3.85)	1.60 (1.50, 1.71)	2.80 (2.67, 2.94)	1.32 (1.23, 1.42)
	10		2.93 (2.75, 3.11)	2.44 (2.29, 2.61)	3.99 (3.78, 4.21)	7.87 (7.58, 8.16)	4.01 (3.79, 4.23)	5.40 (5.17, 5.65)	2.71 (2.54, 2.88)
	13		4.42 (4.12, 4.74)	3.42 (3.17, 3.68)	5.93 (5.59, 6.29)	11.33 (10.87, 11.81)	6.01 (5.66, 6.38)	7.73 (7.33, 8.13)	3.23 (3.01, 3.46)
	15								
	65-79		2	1.28 (1.16, 1.40)	1.12 (1.01, 1.24)	2.00 (1.85, 2.16)	3.88 (3.66, 4.10)	2.31 (2.14, 2.48)	3.23 (3.04, 3.44)
		5	2.98 (2.79, 3.19)	2.33 (2.16, 2.51)	4.79 (4.55, 5.05)	8.73 (8.40, 9.07)	5.66 (5.38, 5.94)	6.09 (5.81, 6.38)	5.06 (4.81, 5.33)
		10	6.39 (6.03, 6.77)	4.24 (3.95, 4.54)	11.14 (10.66, 11.63)	18.13 (17.54, 18.72)	13.03 (12.50, 13.57)	10.15 (9.71, 10.61)	8.88 (8.47, 9.30)
		13	9.25 (8.65, 9.88)	5.61 (5.17, 6.08)	16.26 (15.48, 17.05)	25.03 (24.12, 25.96)	18.42 (17.59, 19.28)	12.98 (12.31, 13.67)	10.02 (9.52, 10.54)
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		80+	2	2.91 (2.52, 3.33)	1.76 (1.46, 2.10)	5.10 (4.58, 5.65)	8.71 (8.03, 9.43)	7.48 (6.82, 8.18)	5.07 (4.53, 5.65)
	5		5.92 (5.31, 6.58)	3.47 (3.01, 3.98)	12.56 (11.67, 13.48)	18.58 (17.53, 19.66)	15.46 (14.44, 16.50)	8.34 (7.60, 9.13)	10.23 (9.42, 11.09)

		10	11.96 (10.70, 13.29)	6.57 (5.63, 7.60)	26.26 (24.39, 28.16)	36.34 (34.30, 38.38)	27.90 (26.04, 29.79)	12.74 (11.47, 14.07)	15.49 (14.11, 16.94)
		13	14.83 (12.74, 17.07)	7.86 (6.42, 9.49)	35.16 (31.91, 38.42)	45.62 (42.34, 48.84)	35.93 (32.72, 39.14)	13.85 (12.28, 15.50)	16.44 (14.78, 18.17)
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Sex	Women	2	0.53 (0.48, 0.59)	0.54 (0.49, 0.60)	1.07 (0.99, 1.16)	1.90 (1.79, 2.01)	1.13 (1.04, 1.21)	1.35 (1.26, 1.45)	0.99 (0.91, 1.08)
		5	1.31 (1.21, 1.41)	1.14 (1.05, 1.23)	2.76 (2.62, 2.90)	4.56 (4.38, 4.74)	2.73 (2.59, 2.87)	2.61 (2.48, 2.75)	2.09 (1.97, 2.22)
		10	3.05 (2.85, 3.25)	2.12 (1.96, 2.28)	6.38 (6.10, 6.66)	9.81 (9.48, 10.16)	6.15 (5.88, 6.43)	4.79 (4.56, 5.03)	3.88 (3.67, 4.09)
		13	4.37 (4.06, 4.70)	2.72 (2.50, 2.97)	9.34 (8.89, 9.80)	13.79 (13.26, 14.34)	8.77 (8.34, 9.23)	6.25 (5.90, 6.61)	4.37 (4.12, 4.63)
		15							
	Men	2	1.07 (0.99, 1.15)	0.90 (0.82, 0.97)	1.20 (1.12, 1.29)	2.79 (2.66, 2.92)	1.48 (1.39, 1.58)	2.34 (2.22, 2.46)	1.39 (1.30, 1.48)
		5	2.42 (2.30, 2.55)	1.98 (1.87, 2.10)	2.95 (2.81, 3.09)	6.22 (6.02, 6.42)	3.48 (3.32, 3.63)	4.54 (4.36, 4.71)	2.99 (2.85, 3.13)
		10	4.94 (4.70, 5.18)	3.60 (3.40, 3.80)	6.67 (6.40, 6.95)	12.52 (12.16, 12.89)	7.82 (7.52, 8.12)	8.00 (7.71, 8.30)	5.26 (5.03, 5.50)
		13	7.16 (6.78, 7.56)	4.91 (4.60, 5.23)	9.37 (8.94, 9.80)	17.09 (16.53, 17.65)	10.88 (10.42, 11.35)	10.92 (10.45, 11.40)	6.05 (5.76, 6.35)
		15	9.33 (8.46, 10.24)	5.30 (4.93, 5.68)	11.02 (10.33, 11.73)	20.09 (19.15, 21.05)	12.54 (11.86, 13.24)	12.54 (11.85, 13.25)	6.38 (5.98, 6.78)
Race /Ethnicity	Asian	2	0.57 (0.46, 0.69)	0.55 (0.45, 0.68)	0.88 (0.74, 1.03)	1.77 (1.57, 1.98)	0.76 (0.63, 0.90)	1.45 (1.27, 1.65)	0.54 (0.43, 0.66)
		5	1.31 (1.13, 1.51)	1.24 (1.07, 1.44)	2.20 (1.97, 2.45)	4.13 (3.80, 4.47)	1.81 (1.59, 2.04)	2.95 (2.68, 3.25)	1.12 (0.96, 1.30)
		10	3.14 (2.77, 3.54)	2.30 (2.00, 2.63)	5.04 (4.58, 5.54)	8.89 (8.28, 9.53)	4.52 (4.07, 5.01)	5.32 (4.85, 5.82)	2.12 (1.83, 2.45)
		13	4.84 (4.20, 5.54)	2.87 (2.44, 3.36)	7.36 (6.61, 8.16)	12.57 (11.60, 13.59)	6.30 (5.62, 7.03)	7.37 (6.62, 8.17)	2.41 (2.06, 2.81)
		15	8.81 (5.49, 13.07)	3.07 (2.57, 3.63)			8.38 (7.06, 9.85)	11.32 (7.70, 15.71)	2.53 (2.12, 3.00)

Black	2	0.81 (0.68, 0.96)	0.57 (0.46, 0.70)	1.55 (1.36, 1.75)	2.57 (2.33, 2.83)	1.52 (1.33, 1.72)	1.82 (1.61, 2.04)	1.32 (1.15, 1.51)
	5	1.75 (1.54, 1.98)	1.38 (1.19, 1.59)	3.60 (3.30, 3.92)	5.80 (5.41, 6.20)	3.60 (3.29, 3.93)	3.54 (3.24, 3.86)	3.02 (2.75, 3.32)
	10	3.98 (3.57, 4.42)	2.82 (2.48, 3.18)	8.12 (7.55, 8.72)	12.47 (11.77, 13.20)	7.78 (7.20, 8.38)	6.38 (5.88, 6.92)	5.89 (5.40, 6.41)
	13	5.64 (5.02, 6.32)	3.65 (3.18, 4.17)	11.66 (10.75, 12.61)	17.06 (16.01, 18.14)	10.59 (9.74, 11.49)	8.16 (7.43, 8.93)	6.52 (5.96, 7.12)
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Hispanic	2	0.55 (0.48, 0.62)	0.50 (0.44, 0.57)	0.74 (0.66, 0.83)	1.57 (1.45, 1.69)	0.67 (0.59, 0.75)	1.15 (1.06, 1.26)	0.66 (0.59, 0.74)
	5	1.28 (1.17, 1.40)	1.06 (0.96, 1.16)	1.95 (1.81, 2.09)	3.68 (3.49, 3.87)	1.75 (1.62, 1.89)	2.25 (2.10, 2.41)	1.44 (1.32, 1.57)
	10	2.79 (2.57, 3.02)	2.03 (1.85, 2.22)	4.51 (4.23, 4.80)	7.88 (7.52, 8.26)	4.17 (3.89, 4.46)	4.36 (4.09, 4.64)	2.67 (2.47, 2.90)
	13	4.04 (3.67, 4.42)	2.69 (2.41, 3.00)	6.62 (6.15, 7.11)	11.11 (10.52, 11.72)	6.02 (5.56, 6.50)	6.12 (5.68, 6.59)	3.18 (2.90, 3.48)
	15							
White	2	1.17 (1.08, 1.27)	1.07 (0.98, 1.17)	1.52 (1.41, 1.64)	3.33 (3.16, 3.50)	2.13 (1.99, 2.27)	2.81 (2.66, 2.97)	1.96 (1.84, 2.10)
	5	2.73 (2.58, 2.90)	2.28 (2.13, 2.43)	3.76 (3.57, 3.95)	7.53 (7.26, 7.79)	4.81 (4.60, 5.03)	5.29 (5.07, 5.52)	4.06 (3.86, 4.26)
	10	5.48 (5.20, 5.77)	3.90 (3.67, 4.13)	8.39 (8.04, 8.74)	14.70 (14.25, 15.15)	10.34 (9.95, 10.73)	8.91 (8.56, 9.26)	6.90 (6.60, 7.21)
	13	7.77 (7.32, 8.25)	5.31 (4.95, 5.69)	11.72 (11.18, 12.27)	19.92 (19.24, 20.61)	14.42 (13.82, 15.04)	11.73 (11.19, 12.29)	7.77 (7.41, 8.15)
	15							

Abbreviations: yrs = years of follow-up

Supplemental Table S3. Trends of 2- and 5- Year Incidence Rates (95% CI) Per 1000 Person-Years by Type 2

Diabetes Diagnosis Year (Index Year)

(A) Microvascular Complications and Mortality							
Index Year	Yrs	Chronic kidney disease	End-stage kidney disease	Proliferative diabetic retinopathy	Peripheral neuropathy	Lower extremity amputation	All-cause mortality
2003-2004 (N=20725)	2	35.44 (33.43-37.57)	1.17 (0.87-1.57)	2.14 (1.72-2.66)	34.77 (32.90-36.75)	0.68 (0.47-1.00)	23.81 (22.31-25.42)
	5	33.17 (31.83-34.56)	1.01 (0.82-1.25)	1.99 (1.71-2.31)	35.66 (34.35-37.03)	0.58 (0.44-0.77)	22.23 (21.25-23.26)
2005-2007 (N=34217)	2	27.73 (26.33-29.21)	1.14 (0.90-1.44)	1.86 (1.55-2.23)	33.13 (31.69-34.64)	0.70 (0.52-0.94)	20.06 (18.98-21.20)
	5	24.23 (23.34-25.16)	0.98 (0.83-1.16)	1.53 (1.34-1.75)	30.66 (29.71-31.65)	0.55 (0.44-0.69)	18.88 (18.18-19.61)
2008-2012 (N=58469)	2	19.90 (19.01-20.82)	0.62 (0.49-0.79)	1.56 (1.34-1.81)	26.18 (25.21-27.20)	0.46 (0.35-0.61)	13.46 (12.78-14.17)
	5	18.88 (18.30-19.48)	0.72 (0.62-0.83)	1.39 (1.25-1.55)	24.21 (23.57-24.86)	0.44 (0.37-0.54)	13.93 (13.47-14.41)
2013-2014 (N=21788)	2	16.57 (15.29-17.96)	0.50 (0.32-0.77)	1.32 (1.01-1.72)	22.80 (21.33-24.37)	0.62 (0.42-0.92)	12.73 (11.68-13.88)
	5	13.28 (12.43-14.18)	0.48 (0.35-0.66)	1.22 (1.00-1.50)	20.60 (19.57-21.70)	0.46 (0.33-0.65)	12.99 (12.20-13.83)

(B) Macrovascular Complications								
Index Year	Yrs	Myocardial Infarction	Unstable angina	Stroke	Composite Cardiovascular Disease	Heart failure	Stable angina	Peripheral vascular disease
2003-2004 (N=20725)	2	5.80 (5.07-6.62)	5.91 (5.18-6.74)	7.45 (6.63-8.38)	16.77 (15.48-18.16)	9.75 (8.78-10.82)	20.90 (19.44-22.46)	10.45 (9.45-11.54)
	5	5.03 (4.57-5.54)	4.68 (4.24-5.18)	7.08 (6.53-7.68)	14.42 (13.61-15.28)	8.34 (7.73-9.00)	14.92 (14.08-15.81)	9.48 (8.83-10.17)
2005-2007 (N=34217)	2	4.37 (3.88-4.93)	4.52 (4.02-5.09)	6.90 (6.27-7.58)	14.01 (13.09-14.99)	8.04 (7.35-8.79)	12.42 (11.54-13.35)	8.22 (7.53-8.97)
	5	4.19	3.90	6.48	12.76	7.22	8.94	7.21

		(3.87-4.55)	(3.59-4.25)	(6.07-6.92)	(12.16-13.38)	(6.78-7.69)	(8.44-9.47)	(6.77-7.68)
2008-2012	2	3.63	2.88	4.79	10.12	5.20	5.59	4.73
(N=58469)		(3.28-4.01)	(2.58-3.22)	(4.40-5.23)	(9.53-10.75)	(4.78-5.66)	(5.15-6.06)	(4.34-5.17)
	5	3.36	2.66	5.10	9.81	5.59	5.18	3.92
		(3.14-3.60)	(2.46-2.87)	(4.82-5.39)	(9.42-10.22)	(5.30-5.90)	(4.89-5.48)	(3.67-4.18)
2013-2014	2	3.30	2.27	4.91	9.35	5.38	4.95	2.19
(N=21788)		(2.78-3.92)	(1.85-2.78)	(4.27-5.65)	(8.44-10.36)	(4.70-6.16)	(4.30-5.70)	(1.78-2.70)
	5	3.33	2.23	5.22	9.36	4.98	5.10	1.66
		(2.94-3.77)	(1.92-2.60)	(4.72-5.76)	(8.69-10.09)	(4.49-5.52)	(4.61-5.65)	(1.39-1.98)

Abbreviations: yrs = years of follow-up

Supplemental Table S4. Factors Associated with Chronic Kidney Disease and Cardiovascular Disease

	Chronic Kidney Disease			Cardiovascular Disease (MI, stroke, and unstable angina)		
	Hazard Ratios	95% CIs		Hazard Ratios	95% CIs	
Race/Ethnicity (vs. Non-Hispanic White)						
Non-Hispanic Black	0.85	0.81	0.90	1.05	0.99	1.11
Non-Hispanic Asian	0.85	0.81	0.90	0.83	0.77	0.89
Hispanic	0.76	0.73	0.79	0.86	0.81	0.90
Age at index in years (vs. 80+)						
20-29	0.06	0.03	0.10	0.06	0.04	0.11
30-39	0.08	0.06	0.09	0.12	0.10	0.14
40-49	0.13	0.12	0.15	0.16	0.14	0.17
50-59	0.26	0.25	0.28	0.25	0.23	0.27
60-69	0.49	0.46	0.53	0.38	0.35	0.41
70-79	0.71	0.66	0.76	0.60	0.56	0.64
Men (vs. Women)	0.91	0.94	0.88	1.40	1.46	1.34
Smoking (vs. Never)						
Current	1.17	1.10	1.24	1.60	1.50	1.72
Former	0.98	0.94	1.01	1.09	1.04	1.14
Other cardiovascular medications, Yes vs. No	1.02	0.98	1.05	1.16	1.11	1.22
Number of Charlson Comorbidity (vs. 1)						
2	1.24	1.19	1.29	1.25	1.19	1.32
3	1.36	1.30	1.43	1.57	1.48	1.67
4 or more	1.55	1.47	1.64	2.30	2.16	2.46
Hypertension, Yes vs. No	1.60	1.53	1.67	1.33	1.26	1.41
Baseline Hemoglobin A1C \geq 8% vs. $<$ 8%	1.46	1.40	1.53	1.19	1.13	1.26
eGFR, mL/min/1.73 m ² (vs. \geq 90)						
0-44	6.97	5.88	8.27	-	-	-
45-59	7.48	6.98	8.01	-	-	-
60-89	3.17	3.02	3.33	-	-	-
Hyperlipidemia, Yes vs. No	-	-	-	0.99	0.95	1.04

Abbreviation: eGFR = estimated glomerular filtration rate; MI = Myocardial Infarction

