

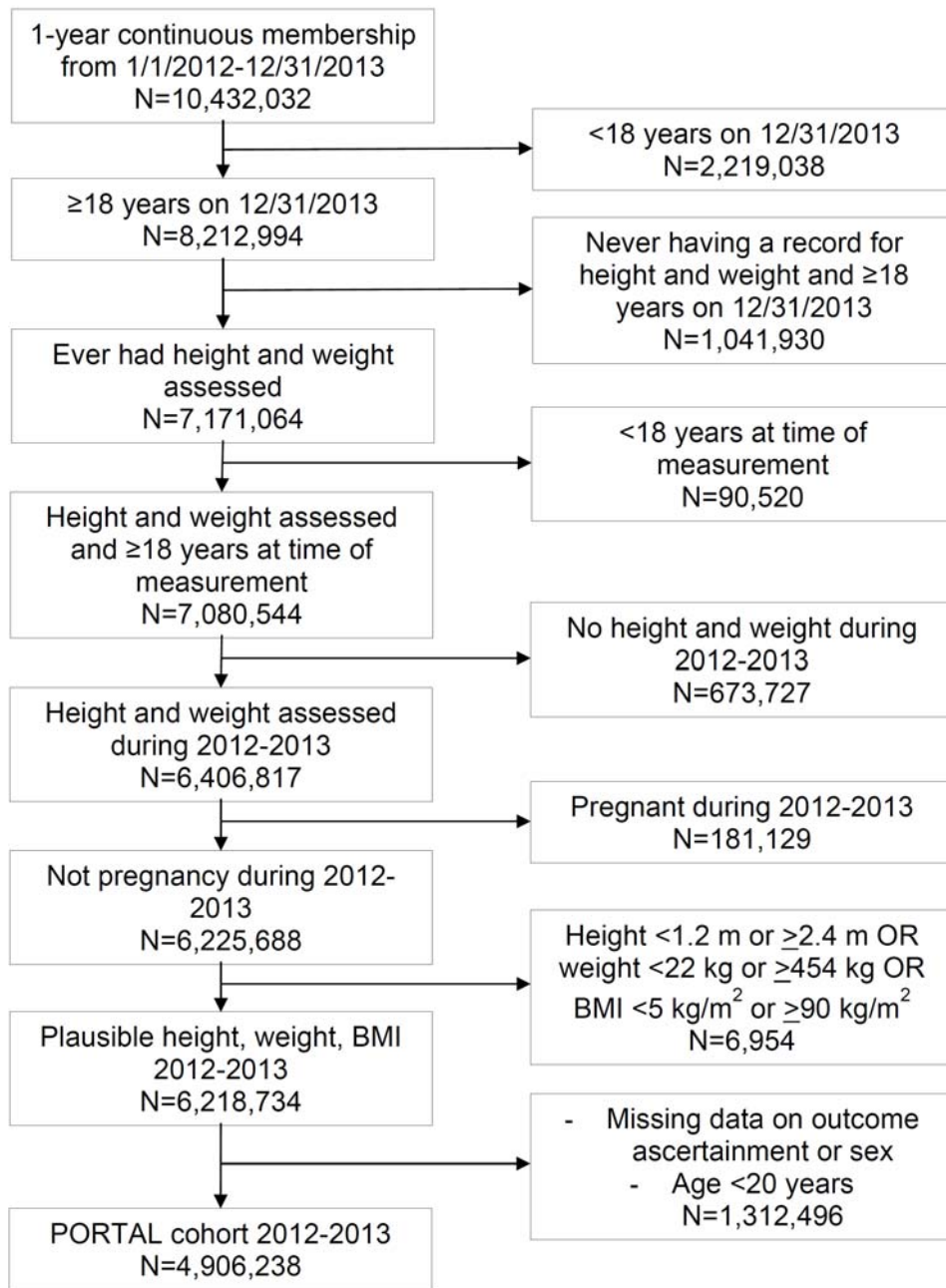
SUPPLEMENTARY DATA

Supplementary Figure 1. Geographic distribution of PORTAL clinical practices. KP, Kaiser Permanente; k, thousand(s); m, million(s).



SUPPLEMENTARY DATA

Supplementary Figure 2. PORTAL 2012-2013 flow chart to construct the analytical cohort.

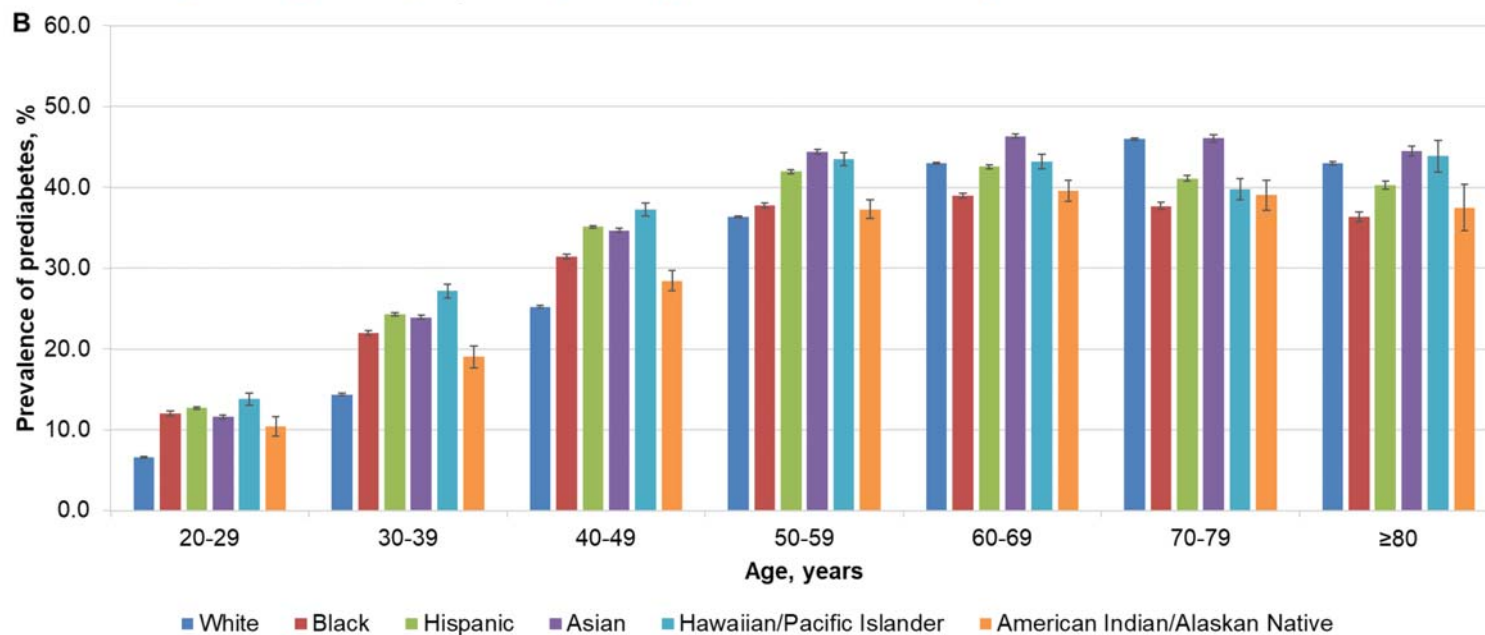
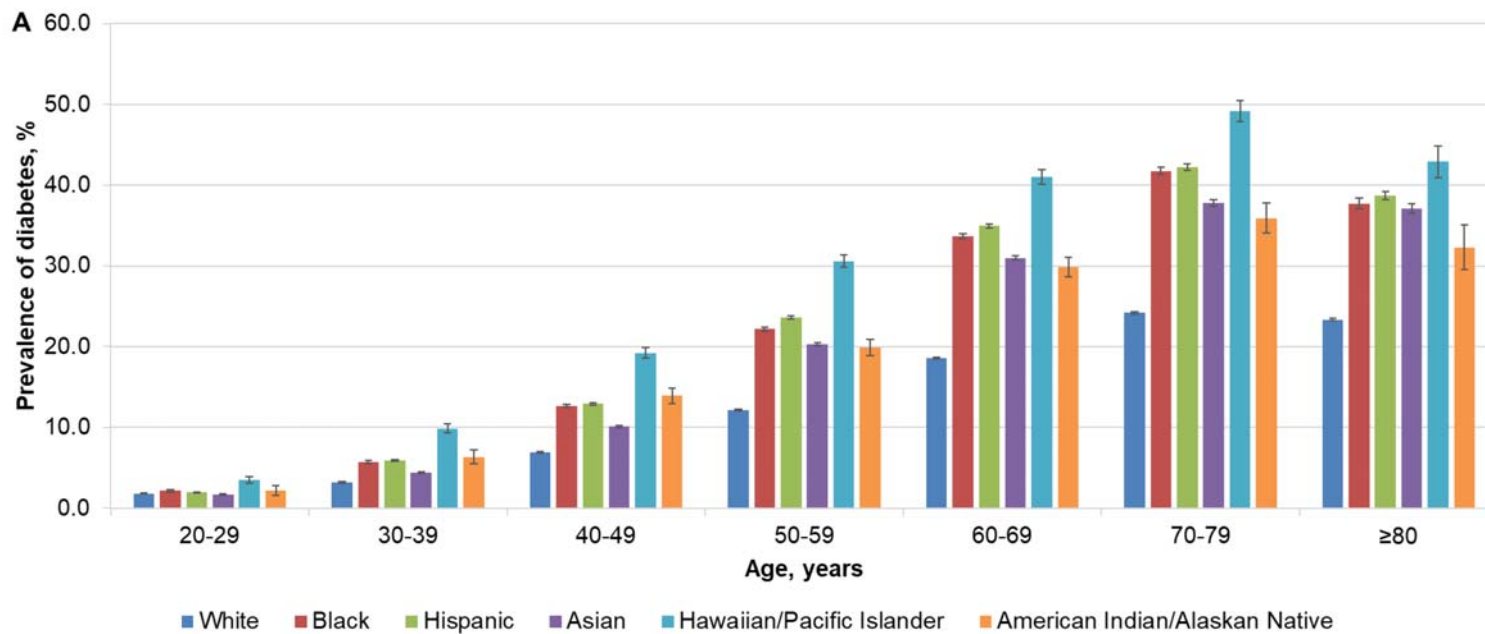


SUPPLEMENTARY DATA

Supplementary Figure 3. Age group specific prevalence of (A) diabetes and (B) prediabetes by race/ethnicity per 100 PORTAL cohort members

P-for-trend across age groups among all racial/ethnic groups were <0.001 , after adjusting for multiple comparisons using the false discovery rate method.

SUPPLEMENTARY DATA



SUPPLEMENTARY DATA

Supplementary Table 1. Age-standardized prevalence of diabetes by race/ethnicity, BMI category, and sex per 100 PORTAL cohort members

	White	Black	Hispanic	Asian	Native Hawaiian/ Other Pacific Islander	American Indian/ Alaskan Native	All
Male, % (95% CI)							
No.	1,103,412	186,819	460,062	265,348	30,454	10,938	2,174,165
Overall prevalence	14.6 (14.5, 14.7)	23.7 (23.6, 23.9)	25.0 (24.8, 25.1)	22.7 (22.6, 22.9)	30.4 (29.9, 30.9)	22.1 (21.3, 22.8)	18.4 (18.3, 18.5)
Body mass index*							
Underweight	7.3 (6.4, 8.1)	12.4 (10.4, 14.4)	15.7 (12.9, 18.5)	10.4 (9.2, 11.6)	13.8 (7.3, 20.3)	16.8 (1.3, 32.3)	9.4 (8.8, 10.0)
Normal weight	7.4 (7.3, 7.5)	16.1 (15.7, 16.5)	17.4 (17.1, 17.7)	13.4 (13.0, 13.7)	22.4 (21.4, 23.5)	12.7 (11.3, 14.2)	10.3 (10.2, 10.4)
Overweight	10.9 (10.8, 11.0)	20.0 (19.7, 20.2)	21.2 (21.0, 21.4)	20.5 (20.3, 20.7)	25.8 (25.0, 26.6)	17.2 (16.1, 18.3)	15.0 (14.9, 15.1)
Obese class 1	18.6 (18.4, 18.7)	27.1 (26.7, 27.5)	27.9 (27.6, 28.2)	28.0 (27.7, 28.4)	33.6 (32.5, 34.8)	24.6 (23.0, 26.1)	22.6 (22.5, 22.7)
Obese class 2	27.9 (27.7, 28.2)	34.4 (33.7, 35.1)	36.5 (36.0, 37.0)	38.8 (38.0, 39.6)	41.7 (39.8, 43.6)	33.8 (31.2, 36.5)	31.5 (31.3, 31.7)
Obese class 3	36.1 (35.7, 36.6)	40.7 (39.6, 41.7)	43.4 (42.5, 44.3)	49.5 (47.8, 51.3)	48.5 (46.4, 50.6)	40.8 (35.6, 46.1)	39.1 (38.8, 39.5)
Obese class 4	43.1 (41.5, 44.8)	41.3 (38.2, 44.4)	52.7 (50.8, 54.7)	54.3 (49.5, 59.1)	51.2 (46.2, 56.1)	43.0 (33.4, 52.5)	44.9 (43.6, 46.1)
P-for-trend†	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Female, % (95% CI)							
No.	1,350,976	281,175	598,289	355,465	36,736	15,386	2,732,073
Overall prevalence	10.1 (10.0, 10.2)	19.9 (19.8, 20.0)	20.0 (19.8, 20.1)	16.8 (16.7, 16.9)	25.4 (25.0, 25.9)	17.7 (17.1, 18.3)	13.9 (13.8, 14.0)
Body mass index*							
Underweight	2.8 (2.6, 3.0)	8.5 (7.4, 9.7)	7.0 (6.1, 8.0)	6.7 (6.3, 7.1)	9.2 (6.3, 12.0)	5.7 (2.5, 9)	4.4 (4.2, 4.6)
Normal weight	3.7 (3.7, 3.8)	11.6 (11.3, 11.9)	10.8 (10.6, 11.0)	8.8 (8.7, 9.0)	15.8 (15.1, 16.5)	8.0 (7.1, 8.8)	5.8 (5.7, 5.8)
Overweight	7.8 (7.7, 7.9)	15.9 (15.7, 16.1)	16.6 (16.4, 16.8)	16.4 (16.3, 16.6)	23.4 (22.7, 24.2)	14.1 (13.1, 15.1)	11.8 (11.7, 11.8)
Obese class 1	14.1 (14.0, 14.2)	21.2 (20.9, 21.5)	23.4 (23.2, 23.7)	24.9 (24.6, 25.3)	30.8 (29.7, 31.8)	21.4 (20.0, 22.7)	18.4 (18.3, 18.5)
Obese class 2	20.4 (20.2, 20.6)	25.9 (25.5, 26.4)	30.1 (29.7, 30.5)	33.6 (32.8, 34.3)	36.5 (34.9, 38.1)	26.9 (24.9, 29.0)	24.4 (24.3, 24.6)
Obese class 3	27.5 (27.2, 27.8)	30.1 (29.6, 30.7)	37.0 (36.4, 37.6)	40.3 (38.9, 41.7)	41.5 (39.3, 43.7)	29.8 (26.8, 32.8)	30.6 (30.3, 30.8)
Obese class 4	35.1 (34.2, 36.0)	35.4 (33.8, 36.9)	45.5 (43.8, 47.2)	46.2 (42.6, 49.8)	42.0 (37.8, 46.3)	39.9 (31.8, 47.9)	37.3 (36.6, 38.0)
P-for-trend†	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

*For non-Asians: underweight (body mass index <18.5 kg/m²), normal weight (18.5-24.9 kg/m²), overweight (25.0-29.9 kg/m²), and obese classes 1-4 (30.0-34.9, 35.0-39.9, 40.0-49.9, ≥50.0 kg/m²); for Asians: underweight (<18.5 kg/m²), normal weight (18.5-22.9 kg/m²), overweight (23.0-27.4 kg/m²), obese classes 1-4 (27.5-32.4, 32.5-37.4, 37.5-47.4, ≥47.5 kg/m²).

†P-for-trend was adjusted for multiple comparisons using the false discovery rate method.

SUPPLEMENTARY DATA

Supplementary Table 2. Age-standardized prevalence of prediabetes by race/ethnicity, BMI category, and sex per 100 PORTAL cohort members

	White	Black	Hispanic	Asian	Native Hawaiian/ Other Pacific Islander	American Indian/ Alaskan Native	All
Male, % (95% CI)							
No.	1,103,412	186,819	460,062	265,348	30,454	10,938	2,174,165
Overall prevalence	34.6 (34.5, 34.6)	33.6 (33.4, 33.9)	37.5 (37.4, 37.7)	40.6 (40.4, 40.8)	37.9 (37.4, 38.5)	33.8 (32.9, 34.7)	36.5 (36.4, 36.7)
Body mass index*							
Underweight	24.8 (23.4, 26.3)	27.9 (25.2, 30.6)	27.4 (23.8, 31.0)	33.5 (31.5, 35.4)	27.0 (17.2, 36.8)	20.3 (3.5, 37.0)	27.9 (26.9, 28.8)
Normal weight	29.8 (29.7, 30.0)	29.8 (29.3, 30.3)	33.8 (33.4, 34.2)	38.2 (37.7, 38.7)	36.5 (35.3, 37.8)	31.9 (29.9, 33.9)	31.7 (31.6, 31.8)
Overweight	34.9 (34.8, 35.1)	33.7 (33.3, 34.0)	37.8 (37.6, 38.0)	41.1 (40.8, 41.3)	39.1 (38.2, 40.0)	34.7 (33.2, 36.1)	37.0 (36.9, 37.1)
Obese class 1	36.9 (36.7, 37.1)	34.7 (34.3, 35.2)	38.5 (38.2, 38.8)	40.8 (40.4, 41.2)	37.1 (35.9, 38.3)	34.2 (32.4, 36.0)	38.3 (38.2, 38.5)
Obese class 2	35.9 (35.6, 36.2)	34.0 (33.3, 34.7)	36.3 (35.8, 36.8)	37.7 (36.8, 38.5)	34.2 (32.3, 36.1)	33.2 (30.4, 36.0)	36.7 (36.5, 36.9)
Obese class 3	34.3 (33.8, 34.8)	33.2 (32.1, 34.3)	34.6 (33.7, 35.5)	32.4 (30.7, 34.1)	33.6 (31.5, 35.6)	31.8 (26.5, 37.0)	34.8 (34.4, 35.2)
Obese class 4	31.9 (30.4, 33.4)	36.6 (33.5, 39.7)	30.2 (28.4, 31.9)	28.8 (24.1, 33.5)	32.6 (27.6, 37.5)	28.7 (19.1, 38.3)	33.3 (32.2, 34.5)
P-for-trend†	0.505	0.505	0.819	0.505	0.819	0.505	0.375
Female, % (95% CI)							
No.	1,350,976	281,175	598,289	355,465	36,736	15,386	2,732,073
Overall prevalence	28.1 (28.0, 28.2)	30.9 (30.8, 31.1)	33.6 (33.5, 33.7)	34.6 (34.4, 34.7)	35.7 (35.2, 36.2)	29.2 (28.5, 29.9)	31.0 (30.9, 31.1)
Body mass index*							
Underweight	20.5 (19.9, 21.0)	21.7 (19.9, 23.6)	23.2 (21.6, 24.8)	28.9 (28.1, 29.7)	30.4 (26.0, 34.8)	17.8 (12.3, 23.2)	23.2 (22.8, 23.6)
Normal weight	21.8 (21.7, 22.0)	25.0 (24.6, 25.4)	27.4 (27.1, 27.6)	31.3 (31.0, 31.6)	32.5 (31.7, 33.4)	23.4 (22.1, 24.7)	24.5 (24.4, 24.6)
Overweight	28.2 (28.1, 28.3)	29.1 (28.8, 29.4)	33.5 (33.3, 33.7)	35.5 (35.3, 35.8)	35.9 (35.0, 36.7)	28.5 (27.2, 29.8)	31.4 (31.3, 31.5)
Obese class 1	32.9 (32.7, 33.0)	32.2 (31.9, 32.6)	36.5 (36.2, 36.8)	37.5 (37.2, 37.9)	37.0 (35.8, 38.2)	30.7 (29.1, 32.3)	34.9 (34.8, 35.1)
Obese class 2	34.9 (34.7, 35.2)	33.9 (33.4, 34.4)	37.0 (36.6, 37.4)	36.6 (35.9, 37.4)	35.9 (34.3, 37.6)	34.2 (31.9, 36.5)	36.1 (35.9, 36.3)
Obese class 3	35.4 (35.1, 35.8)	35.2 (34.6, 35.8)	36.0 (35.4, 36.5)	35.2 (33.9, 36.6)	34.9 (32.7, 37.0)	35.7 (32.4, 39.0)	36.1 (35.9, 36.4)
Obese class 4	36.4 (35.5, 37.3)	36.8 (35.3, 38.3)	34.6 (32.9, 36.2)	30.6 (25.2, 36.0)	39.5 (35.3, 43.7)	36.2 (30.8, 41.6)	36.7 (36.0, 37.3)
P-for-trend†	0.002	0.008	0.051	0.58	0.245	0.002	0.006

*For non-Asians: underweight (body mass index <18.5 kg/m²), normal weight (18.5-24.9 kg/m²), overweight (25.0-29.9 kg/m²), and obese classes 1-4 (30.0-34.9, 35.0-39.9, 40.0-49.9, ≥50.0 kg/m²); for Asians: underweight (<18.5 kg/m²), normal weight (18.5-22.9 kg/m²), overweight (23.0-27.4 kg/m²), obese classes 1-4 (27.5-32.4, 32.5-37.4, 37.5-47.4, ≥47.5 kg/m²).

†P-for-trend was adjusted for multiple comparisons using the false discovery rate method.

SUPPLEMENTARY DATA

Supplementary Table 3. Adjusted odds ratios for risk of diabetes in association with body mass index categories and other characteristics by race/ethnicity, the PORTAL network, 2012-2013*

	White	Black	Hispanic	Asian	Hawaiian/Pacific Islander	American Indian/Alaskan Native	All [†]
Body mass index							
Underweight	0.76 (0.73-0.80)	0.71 (0.66-0.77)	0.76 (0.70-0.83)	0.83 (0.79-0.88)	0.68 (0.56-0.82)	0.87 (0.60-1.27)	0.75 (0.73-0.77)
Normal weight	1.00 (reference)	1.00 (reference)	1.00 (reference)	1.00 (reference)	1.00 (reference)	1.00 (reference)	1.00 (reference)
Overweight	2.88 (2.85-2.91)	1.74 (1.71-1.77)	1.94 (1.92-1.97)	2.61 (2.56-2.66)	1.80 (1.73-1.88)	2.27 (2.08-2.48)	1.58 (1.57-1.59)
Obese class 1	4.27 (4.22-4.32)	2.19 (2.15-2.24)	2.65 (2.61-2.69)	3.80 (3.72-3.89)	2.29 (2.19-2.39)	3.09 (2.82-3.39)	2.42 (2.40-2.43)
Obese class 2	5.76 (5.69-5.83)	2.65 (2.59-2.71)	3.43 (3.38-3.49)	5.11 (4.97-5.26)	2.75 (2.62-2.88)	3.73 (3.38-4.11)	3.41 (3.38-3.43)
Obese class 3	5.76 (5.69-5.83)	2.65 (2.59-2.71)	3.43 (3.38-3.49)	5.11 (4.97-5.26)	2.75 (2.62-2.88)	3.73 (3.38-4.11)	4.43 (4.39-4.46)
Obese class 4	7.64 (7.50-7.79)	3.16 (3.05-3.27)	4.53 (4.41-4.67)	6.26 (5.83-6.72)	3.19 (2.95-3.45)	4.85 (4.24-5.55)	5.65 (5.57-5.72)
P-for-trend [‡]	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Age, years							
20-29	1.00 (reference)	1.00 (reference)	1.00 (reference)	1.00 (reference)	1.00 (reference)	1.00 (reference)	1.00 (reference)
30-39	1.46 (1.40-1.51)	2.37 (2.22-2.53)	2.75 (2.64-2.85)	2.54 (2.37-2.71)	2.57 (2.26-2.93)	2.50 (1.87-3.35)	2.15 (2.10-2.20)
40-49	3.00 (2.89-3.10)	5.07 (4.78-5.38)	5.98 (5.77-6.21)	5.86 (5.50-6.24)	5.10 (4.51-5.76)	5.25 (4.00-6.89)	4.64 (4.55-4.74)
50-59	5.22 (5.05-5.40)	8.99 (8.48-9.52)	11.01 (10.62-11.41)	11.63 (10.93-12.38)	8.45 (7.49-9.53)	7.62 (5.84-9.96)	8.39 (8.22-8.56)
60-69	8.28 (8.00-8.56)	14.14 (13.35-14.98)	16.85 (16.25-17.47)	18.20 (17.10-19.37)	11.98 (10.63-13.50)	11.78 (9.03-15.37)	13.07 (12.81-13.34)
70-79	11.76 (11.37-12.16)	18.96 (17.90-20.09)	22.09 (21.30-22.91)	23.11 (21.71-24.59)	15.40 (13.65-17.37)	14.97 (11.46-19.57)	17.80 (17.43-18.16)
≥80	14.59 (14.10-15.09)	19.97 (18.82-21.18)	23.59 (22.72-24.49)	25.33 (23.77-26.98)	15.71 (13.85-17.82)	17.10 (12.98-22.54)	20.61 (20.18-21.04)
Sex							
Female	1.00 (reference)	1.00 (reference)	1.00 (reference)	1.00 (reference)	1.00 (reference)	1.00 (reference)	1.00 (reference)
Male	1.43 (1.42-1.44)	1.32 (1.31-1.33)	1.31 (1.30-1.32)	1.26 (1.24-1.27)	1.17 (1.15-1.20)	1.28 (1.23-1.34)	1.36 (1.35-1.36)
Neighborhood education							
>48% HS or lower	1.42 (1.40-1.43)	1.20 (1.18-1.23)	1.35 (1.33-1.37)	1.36 (1.34-1.39)	1.31 (1.25-1.38)	1.34 (1.23-1.47)	1.39 (1.38-1.40)
34-48% HS or lower	1.27 (1.26-1.28)	1.14 (1.12-1.16)	1.23 (1.21-1.25)	1.26 (1.24-1.28)	1.19 (1.13-1.24)	1.28 (1.18-1.38)	1.27 (1.26-1.28)
23-33% HS or lower	1.18 (1.17-1.19)	1.08 (1.06-1.10)	1.13 (1.11-1.15)	1.16 (1.15-1.18)	1.13 (1.07-1.18)	1.17 (1.08-1.26)	1.17 (1.16-1.18)
<23% HS or lower	1.00 (reference)	1.00 (reference)	1.00 (reference)	1.00 (reference)	1.00 (reference)	1.00 (reference)	1.00 (reference)
P-for-trend [‡]	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Neighborhood poverty level							
<5% below threshold	1.00 (reference)	1.00 (reference)	1.00 (reference)	1.00 (reference)	1.00 (reference)	1.00 (reference)	1.00 (reference)

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5-9% below threshold	1.02 (1.02-1.03)	1.02 (1.00-1.03)	1.03 (1.01-1.04)	1.00 (0.99-1.02)	1.01 (0.97-1.04)	0.99 (0.92-1.07)	1.02 (1.01-1.03)
10-19% below threshold	1.04 (1.03-1.05)	1.03 (1.01-1.05)	1.06 (1.05-1.08)	1.00 (0.98-1.01)	1.02 (0.98-1.06)	1.05 (0.97-1.13)	1.04 (1.03-1.04)
≥20% below threshold	1.08 (1.07-1.09)	1.05 (1.03-1.07)	1.12 (1.10-1.13)	0.99 (0.97-1.01)	1.05 (1.00-1.09)	1.09 (1.00-1.19)	1.07 (1.06-1.08)
P-for-trend [‡]	<0.001	<0.001	<0.001	0.363	0.030	0.025	<0.001

HS, high school.

*Adjusted for all other characteristic variables in table, age, and site.

†Additionally adjusted for race/ethnicity.

‡P-for-trend was evaluated by using the median value for each category and fitting it as a continuous variable in the Poisson regression models using robust standard errors and adjusted by false discovery rate correction for multiple comparisons.

SUPPLEMENTARY DATA

Supplementary Table 4. Adjusted odds ratios for risk of prediabetes in association with body mass index categories and other characteristics by race/ethnicity, the PORTAL network, 2012-2013*

	White	Black	Hispanic	Asian	Hawaiian/Pacific Islander	American Indian/Alaskan Native	All [†]
Body mass index							
Underweight	0.94 (0.93-0.96)	0.96 (0.91-1.01)	0.88 (0.83-0.92)	0.96 (0.93-0.98)	0.91 (0.81-1.02)	0.71 (0.56-0.92)	0.94 (0.93-0.96)
Normal weight	1.00 (reference)	1.00 (reference)	1.00 (reference)	1.00 (reference)	1.00 (reference)	1.00 (reference)	1.00 (reference)
Overweight	1.24 (1.23-1.24)	1.16 (1.15-1.18)	1.26 (1.25-1.28)	1.17 (1.16-1.18)	1.12 (1.09-1.15)	1.21 (1.15-1.28)	1.23 (1.22-1.23)
Obese class 1	1.34 (1.34-1.35)	1.26 (1.24-1.27)	1.38 (1.37-1.40)	1.22 (1.21-1.23)	1.13 (1.10-1.17)	1.28 (1.21-1.35)	1.33 (1.33-1.34)
Obese class 2	1.37 (1.36-1.38)	1.31 (1.29-1.33)	1.44 (1.42-1.45)	1.23 (1.21-1.25)	1.12 (1.08-1.17)	1.33 (1.25-1.42)	1.37 (1.37-1.38)
Obese class 3	1.41 (1.40-1.42)	1.38 (1.36-1.41)	1.51 (1.49-1.53)	1.25 (1.22-1.28)	1.20 (1.15-1.25)	1.43 (1.32-1.54)	1.43 (1.42-1.44)
Obese class 4	1.49 (1.46-1.52)	1.57 (1.53-1.62)	1.63 (1.59-1.68)	1.28 (1.18-1.39)	1.32 (1.23-1.42)	1.60 (1.40-1.82)	1.55 (1.53-1.57)
P-for-trend [‡]	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Age, years							
20-29	1.00 (reference)	1.00 (reference)	1.00 (reference)	1.00 (reference)	1.00 (reference)	1.00 (reference)	1.00 (reference)
30-39	2.09 (2.05-2.13)	1.76 (1.72-1.81)	1.83 (1.80-1.86)	2.03 (1.98-2.08)	1.93 (1.81-2.06)	1.74 (1.52-1.99)	1.93 (1.91-1.95)
40-49	3.62 (3.55-3.68)	2.47 (2.41-2.53)	2.62 (2.58-2.66)	2.93 (2.86-3.00)	2.63 (2.48-2.80)	2.57 (2.27-2.92)	2.90 (2.87-2.92)
50-59	5.19 (5.10-5.28)	2.95 (2.88-3.02)	3.13 (3.08-3.17)	3.73 (3.64-3.81)	3.07 (2.90-3.26)	3.40 (3.02-3.84)	3.75 (3.72-3.78)
60-69	6.16 (6.05-6.26)	3.07 (2.99-3.14)	3.20 (3.15-3.25)	3.87 (3.78-3.96)	3.05 (2.87-3.24)	3.59 (3.18-4.05)	4.21 (4.17-4.24)
70-79	6.65 (6.54-6.77)	3.02 (2.95-3.10)	3.18 (3.13-3.23)	3.85 (3.75-3.94)	2.82 (2.65-3.01)	3.61 (3.18-4.09)	4.43 (4.39-4.47)
≥80	6.64 (6.52-6.76)	3.09 (3.00-3.18)	3.32 (3.26-3.39)	3.80 (3.70-3.90)	3.21 (2.99-3.45)	3.72 (3.24-4.27)	4.51 (4.47-4.55)
Sex							
Female	1.00 (reference)	1.00 (reference)	1.00 (reference)	1.00 (reference)	1.00 (reference)	1.00 (reference)	1.00 (reference)
Male	1.16 (1.15-1.16)	1.11 (1.10-1.12)	1.14 (1.13-1.14)	1.16 (1.15-1.17)	1.07 (1.05-1.09)	1.12 (1.08-1.16)	1.15 (1.15-1.15)
Neighborhood education							
>48% HS or lower	0.98 (0.97-0.98)	0.99 (0.97-1.00)	0.98 (0.97-0.99)	0.95 (0.94-0.96)	0.96 (0.93-1.00)	0.97 (0.92-1.04)	0.98 (0.97-0.98)
34-48% HS or lower	0.99 (0.98-0.99)	0.99 (0.98-1.01)	0.99 (0.98-1.00)	0.97 (0.96-0.98)	0.98 (0.95-1.02)	0.98 (0.93-1.03)	0.99 (0.98-0.99)
23-33% HS or lower	1.00 (1.00-1.00)	1.01 (0.99-1.02)	1.00 (0.99-1.01)	0.99 (0.98-0.99)	0.98 (0.95-1.01)	1.00 (0.95-1.05)	1.00 (0.99-1.00)
<23% HS or lower	1.00 (reference)	1.00 (reference)	1.00 (reference)	1.00 (reference)	1.00 (reference)	1.00 (reference)	1.00 (reference)
P-for-trend [‡]	<0.001	0.040	<0.001	<0.001	0.058	0.355	<0.001
Neighborhood poverty level							
<5% below threshold	1.00 (reference)	1.00 (reference)	1.00 (reference)	1.00 (reference)	1.00 (reference)	1.00 (reference)	1.00 (reference)
5-9% below threshold	1.00 (0.99-1.00)	1.00 (0.99-1.02)	1.00 (1.00-1.01)	1.00 (0.99-1.01)	0.98 (0.95-1.01)	0.99 (0.95-1.05)	1.00 (0.99-1.00)

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10-19% below threshold	0.99 (0.98-0.99)	0.99 (0.98-1.00)	0.99 (0.98-1.00)	0.99 (0.98-1.00)	0.97 (0.95-1.00)	0.96 (0.91-1.01)	0.98 (0.98-0.99)
≥20% below threshold	0.97 (0.96-0.98)	0.97 (0.95-0.98)	0.99 (0.98-1.00)	0.96 (0.95-0.98)	0.96 (0.92-0.99)	0.96 (0.90-1.02)	0.97 (0.97-0.98)
P-for-trend [‡]	<0.001	<0.001	0.058	<0.001	0.058	0.166	<0.001

HS, high school.

* Adjusted for all other characteristic variables in table, age, and site.

† Additionally adjusted for race/ethnicity.

‡ P-for-trend was evaluated by using the median value for each category and fitting it as a continuous variable in the Poisson regression models using robust standard errors and adjusted by false discovery rate correction for multiple comparisons.

SUPPLEMENTARY DATA

Supplementary Table 5. Age-standardized prevalence (95% confidence interval) of diabetes among adults aged 20 years or older in the PORTAL 2012-2013 cohort and the NHANES 2011-2012 and 2013-2016 interview populations

	PORTAL 2012-2013	NHANES 2011-2012*	NHANES 2013-2016†
	Diabetes definition		
	FPG ≥126mg/dL, random PG ≥200mg/dL, HbA1c ≥6.5%, physician diagnosis, or medications	FPG ≥126mg/dL, 2-hr PG ≥200mg/dL, HbA1c ≥6.5%, or self-report of physician diagnosis	FPG ≥126mg/dL, HbA1c ≥6.5%, or self-report of physician diagnosis
Overall	15.9 (15.8, 16.0)	14.3 (12.2-16.8)	14.0‡
Sex			
Male	18.4 (18.3, 18.5)	15.4 (13.2-17.9)	15.9
Female	13.9 (13.8, 14.0)	13.8 (11.4-16.6)	12.2
Race/ethnicity			
Non-Hispanic			
White	12.2 (12.1, 12.3)	11.3 (9.0-14.1)	12.4
Black	21.4 (21.3, 21.6)	21.8 (17.7-26.7)	17.9
Asian	19.3 (19.2, 19.4)	20.6 (15.0-27.6)	15.3
Hawaiian/Pacific Islander	27.7 (27.4, 28.0)	NA	NA
American Indian/Alaskan Native	19.6 (19.1, 20.0)	NA	NA
Hispanic	22.2 (22.1, 22.3)	22.6 (18.4-27.5)	19.8

FPG, fasting plasma glucose; 2-hr PG, 2-hour plasma glucose; HbA1c, hemoglobin A1c level; NA, not available; NHANES, National Health and Nutrition Examination Survey; PORTAL, Patient Outcomes Research to Advance Learning.

*Data were from Menke et al. JAMA 2015;314:1021-1029.

†Data were from Mendola et al. NCHS Data Brief 2018:1-8.

‡Data on 95% confidence intervals were not reported.