

SUPPLEMENTARY DATA

Supplementary Table 1. Multivariate-adjusted prevalence* of A1C5.7 and IFG for the U.S. population aged 12 years and older by sociodemographic characteristics and BMI, NHANES, 1999–2010.

Characteristic	Prevalence (95% CI) by time period			Prevalence change		
	T1 (1999–2002)	T2 (2003–2006)	T3 (2007–2010)	T2 – T1	T3 – T2	T3 – T1
Prediabetes definition: A1C5.7						
Overall population	10.0 (8.8–11.2)	10.8 (10.0–11.6)	17.9 (16.5–19.3)	0.8	7.1***	7.9***
Adults aged ≥ 18 years	10.9 (9.6–12.2)	11.9 (11.0–12.8)	19.5 (18.0–21.0)	1.0	7.6***	8.6***
Age, years						
12–17	2.4 (1.5–3.3)	2.1 (1.2–3.0)	4.5 (3.0–6.0)	-0.3	2.4**	2.1*
18–44	3.9 (2.9–4.9)	5.2 (4.1–6.3)	9.9 (8.4–11.4)	1.3	4.7***	6.0***
45–64	15.4 (13.0–17.8)	15.4 (13.7–17.1)	26 (22.8–29.2)	0.0	10.6***	10.6***
≥ 65	22.6 (19.5–25.7)	24.4 (20–28.8)	34.1 (31.3–36.9)	1.8	9.7***	11.5***
Sex						
Male	10.1 (8.4–11.8)	11.2 (9.8–12.6)	17.4 (15.9–18.9)	1.1	6.2***	7.3***
Female	10.0 (8.6–11.4)	10.5 (9.4–11.6)	18.3 (16.1–20.5)	0.5	7.8***	8.3***
Race/ethnicity						
NH white	8.5 (7.0–10.0)	9.1 (8.2–10.0)	15.9 (14.4–17.4)	0.6	6.8***	7.4***
NH black	16.3 (13.6–19.0)	18.1 (15.6–20.6)	28.3 (24.3–32.3)	1.8	10.2***	12.0***
Mexican American	9.7 (7.8–11.6)	14.6 (12.1–17.1)	20.8 (18.8–22.8)	4.9**	6.2***	11.1***
PIR						
< 1	8.8 (6.3–11.3)	10.9 (8.2–13.6)	19.7 (16.5–22.9)	2.1	8.8***	10.9***
1–2.9	10.9 (9.5–12.3)	10.9 (9.8–12.0)	18.2 (16.4–20.0)	0.0	7.3***	7.3***
≥ 3	9.7 (7.8–11.6)	10.8 (9.4–12.2)	17.1 (15.4–18.8)	1.1	6.3***	7.4***
BMI (kg/m²)						
< 25.0	5.9 (4.2–7.6)	6.5 (5.2–7.8)	14.7 (12.3–17.1)	0.6	8.2***	8.8***
25.0–29.9	9.4 (7.4–11.4)	10.9 (9.5–12.3)	17.8 (16.3–19.3)	1.5	6.9***	8.4***
≥ 30.0	14.9 (13–16.8)	14.9 (12.9–16.9)	21.3 (19.0–23.6)	0.0	6.4***	6.4***
Prediabetes definition: IFG						
Overall population	24.5 (22.3–26.7)	23.7 (21.4–26.0)	26.0 (24.2–27.8)	-0.8	2.3	1.5
Adults aged ≥ 18 years	26.2 (23.9–28.5)	25.1 (22.6–27.6)	27.6 (25.7–29.5)	-1.1	2.5	1.4
Age, years						
12–17	12.0 (8.5–15.5)	13.4 (10.4–16.4)	14.8 (10.4–19.2)	1.4	1.4	2.8
18–44	17.9 (15.1–20.7)	17.2 (14.9–19.5)	20.1 (17.6–22.6)	-0.7	2.9	2.2
45–64	31.1 (27.7–34.5)	30.8 (25.7–35.9)	34.1 (30.6–37.6)	-0.3	3.3	3.0
≥ 65	38.4 (35.1–41.7)	34.1 (30.4–37.8)	34.2 (31.5–36.9)	-4.3	0.1	-4.2
Sex						
Male	30.7 (27.8–33.6)	29.3 (26.2–32.4)	31.9 (29.9–33.9)	-1.4	2.6	1.2
Female	18.6 (16.5–20.7)	18.2 (16.2–20.2)	20.4 (18.0–22.8)	-0.4	2.2	1.8
Race/ethnicity						
NH white	25.3 (22.5–28.1)	24.0 (21.1–26.9)	27.2 (24.9–29.5)	-1.3	3.2	1.9
NH black	15.9 (12.9–18.9)	17.8 (15.3–20.3)	17.9 (15.1–20.7)	1.9	0.1	2.0
Mexican	30.9 (27.5–34.3)	23.5 (19.6–27.4)	29.5 (25.1–33.9)	-7.4**	6.0*	-1.4

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Characteristic	Prevalence (95% CI) by time period			Prevalence change		
	T1 (1999–2002)	T2 (2003–2006)	T3 (2007–2010)	T2 – T1	T3 – T2	T3 – T1
American						
PIR						
< 1	25.6 (20.9–30.3)	24.5 (20.4–28.6)	30.8 (27.3–34.3)	-1.1	6.3*	5.2
1–2.9	24.4 (21.7–27.1)	24.0 (21.2–26.8)	26.1 (23.9–28.3)	-0.4	2.1	1.7
≥ 3	24.4 (21.6–27.2)	23.1 (19.9–26.3)	24.8 (22.2–27.4)	-1.3	1.7	0.4
BMI (kg/m²)						
< 25.0	16.3 (13.9–18.7)	15.6 (13.2–18.1)	19.4 (16.7–22.1)	-0.7	3.8*	3.1
25.0–29.9	27.9 (24.8–31.0)	25.7 (22.5–28.9)	27.5 (24.4–30.6)	-2.2	1.8	-0.4
≥ 30.0	30.2 (27.5–32.9)	30.4 (27.0–33.8)	32.2 (28.5–35.9)	0.2	1.8	2.0

Abbreviations: A1C5.7, hemoglobin A1c 5.7 – <6.5% (39 – <48 mmol/mol); IFG, impaired fasting glucose; NHANES, National Health and Nutrition Examination Survey; NH, non-Hispanic; HS, high school; PIR, poverty-income ratio; BMI, body mass index.

* Estimated from logistic regression models, controlling for age, sex, race/ethnicity, PIR, and BMI. Individuals for other racial/ethnic groups are included in the denominator but their separate estimates are not presented. *P*-values were calculated from a *t*-test. **P* < 0.05, ***P* < 0.01, ****P* < 0.001.