Supplemental Table S1: Hazard Ratios (HR) and 95% Confidence intervals (CI) for the prospective association between gestational diabetes (GDM) and incident type 2 diabetes (T2D); n=46,529*.

	Ever having GDM pregnancy		
	No GDM	GDM	Time since last GDM pregnancy
Person-years	462, 042	10, 958	-
No. of subjects	45, 357	1,172	-
Model 1: Model with no time-since-GDM interaction			
HR (95% CI)	1 (ref)	2.52 (2.16-2.93)	-
Model 2: Model with time-since-GDM interaction term[†]			
GDM effect[†]	1 (ref)	4.86 (3.20-7.39)	0.77 (0.67-0.90)
Model 3: Model stratified by time since last GDM			
6-15 years since last GDM pregnancy	1 (ref)	3.93 (2.65-5.85)	-
16-25 years since last GDM pregnancy	1 (ref)	3.37 (2.67-4.24)	-
26-35 years since last GDM pregnancy	1 (ref)	2.03 (1.52-2.71)	-
>35 years since last GDM pregnancy	1 (ref)	1.66 (1.15-2.39)	-

*Adjusted for race or ethnicity (non-Hispanic white, non-Hispanic black, Hispanic and others (women reporting a race/ethnic background other than non-Hispanic white, Black or Hispanic/Latina), BMI at age 30: under/normal weight: <25, overweight: 25 to <30, obese: ⩾30 kg m2, and education level (less than high school degree, some college/no degree, associate, or technical degree, bachelor's degree, master, or doctoral degree). [†]HRs (95% CI) for time-since-GDM interaction term is HR=0.77 (0.67-0.90) per decade of time elapsed. The hazard ratio goes down by 23% with every decade of time elapsed.

Supplemental Table S2: Hazard Ratios (HR) and 95% Confidence intervals (CI) for the prospective association between gestational diabetes (GDM) and incident type 2 diabetes (T2D), accounting for the number of GDM pregnancies; n=46,529*.

	Cumulative number of GDM pregnancies				
	0	**1**	**2**	**⩾3**	Time since last GDM pregnancy
Person-years	462, 042	9,011	1, 543	405	-
No. of subjects	45, 357	952	173	47	-
Model 1: Model with no time-since-GDM interaction					
HR (95% CI)	1 (ref)	2.29 (1.92-2.73)[†]	3.13 (2.22-4.42)[†]	5.20 (3.02-8.98)[†]	-
Model 2: Model with time-since-GDM interaction term[‡]					
GDM effect[‡]	1 (ref)	4.32 (2.80-6.67)	5.70 (3.45-9.40)	10.3 (5.28-20.10)	0.78 (0.67-0.91)
Model 3: Model stratified by time since last GDM					
6-15 years since last GDM pregnancy	1 (ref)	3.56 (2.36-5.36)	4.62 (2.83-7.53)	7.92 (4.10-15.29)	-
16-25 years since last GDM pregnancy	1 (ref)	3.07 (2.40-3.94)	3.99 (2.72-5.86)	6.85 (3.86-12.13)	-
26-35 years since last GDM pregnancy	1 (ref)	1.87 (1.39-2.53)	2.43 (1.57-3.75)	4.17 (2.30-7.56)	-
>35 years since last GDM pregnancy	1 (ref)	1.54 (1.06-2.24)	2.00 (1.23-3.25)	3.43 (1.80-6.55)	-

*Adjusted for race or ethnicity (non-Hispanic white, non-Hispanic black, Hispanic and others (women reporting a race/ethnic background other than non-Hispanic white, Black or Hispanic/Latina), BMI at age 30: under/normal weight: <25, overweight: 25 to <30, obese: ⩾30 kg m2, and education level (less than high school degree, some college/no degree, associate, or technical degree, bachelor's degree, master, or doctoral degree). †P-value for trend <0.001. ‡HRs (95% CI) for time-since-GDM interaction term is HR=0.78 (0.67-0.91) per decade of time elapsed. The hazard ratio goes down by about 22% with every decade of time elapsed.