Table S1A. Gestational diabetes prevalence rates (%) among whites by maternal age, period, and maternal birth cohorts in the United States, 1979 to 2010

Period of birth	Maternal age (years)						Central birth cohort
	15-19	20-24	25-29	30-34	35-39	40-44	
						0.5	1937
					1.3	4.3	1942
				0.3	1.2	11.4	1947
			0.1	1.0	3.0	9.7	1952
		0.1	0.5	2.5	4.6	10.9	1957
	0.2	0.4	1.9	3.3	5.2	6.8	1962
1980 ↗	0.1	1.3	2.4	4.4	5.9	15.1	1967
1985 ↗	0.9	1.7	3.1	4.7	10.3		1972
1990 ↗	0.4	2.7	3.6	6.7			1977
1995 ↗	0.5	1.7	6.5				1982
2000 ↗	1.4	3.2					1987
2005 ↗	2.8						1992
2010 ↗							

Table S1B. Gestational diabetes prevalence rates (%) among blacks by maternal age, period, and maternal birth cohorts in the United States, 1979 to 2010

Period of birth	Maternal age (years)						Central birth cohort
	15-19	20-24	25-29	30-34	35-39	40-44	
						3.5	1937
					0.8	15.4	1942
				0.5	4.9	6.6	1947
			0.6	0.9	3.4	13.0	1952
		0.2	0.4	3.4	7.4	10.0	1957
	0.0	0.3	1.1	5.6	8.6	11.0	1962
1980 ↗	0.2	0.8	1.4	4.9	9.1		1967
1985 ↗	0.3	1.7	4.1	6.2			1972
1990 ↗	1.0	1.1	1.9	8.2			1977
1995 ↗	0.7	1.4	3.3				1982
2000 ↗	0.8	7.5					1987
2005 ↗	0.3						1992
2010 ↗							

Table S2. Age-period-cohort model based on weighted Poisson regression for gestational diabetes prevalence rates: United States, 1979 to 2010

Model parameter	Effect	Gestational Diabetes		
		Overall	White	Black
Age-drift	Δ†|A	1,152,500 (1)	608,819 (1)	128,379 (1)
Age-cohort	P‡|A,C	18,716 (5)	12,277 (5)	878 (5)
Age-period-cohort	C‡|A,P	107,638 (5)	79,940 (5)	13,045 (5)
Age-period	P‡|A	-6,245 (-5)	-5,950 (-5)	-1,599 (-5)
Age-drift	C‡|A	-120,109 (-5)	-86,266 (-5)	-12,324 (-5)
Residual deviance (df)	Age	1,604,787 (1,080)	1,043,417 (1,073)	382,616 (1,008)

A, Age effect; P, Period effect; C, Cohort effect

†, Drift estimate; ‡, Curvature estimate