

Appendix. Prepregnancy Calorie-Adjusted Folate Intake and Relative Risk of Spontaneous Abortion Among Subgroups of Women

Subgroup	Category of Intake, mcg/day					P*
	Q1	Q2	Q3	Q4	Q5	
All participants						
Cases/Total	537/3185	572/3192	559/3197	562/3186	526/3190	
Total Folate , RR (95% CI)	1.00 (Ref)	1.02 (0.92, 1.14)	0.99 (0.89, 1.10)	0.98 (0.88, 1.09)	0.91 (0.82, 1.02)	0.04
Cases/Total	1145/6638	701/3779	589/3351	321/2182		
Supplemental Folate , RR (95% CI)	1.00 (Ref)	0.95 (0.87, 1.03)	0.95 (0.87, 1.04)	0.80 (0.71, 0.90)		0.0002
Women < 40 yrs						
Cases/Total	436/2835	439/2732	406/2697	409/2663	381/2692	
Total Folate , RR (95% CI)	1.00 (Ref)	1.04 (0.92, 1.17)	0.97 (0.86, 1.10)	0.99 (0.88, 1.13)	0.90 (0.79, 1.03)	0.06
Cases/Total	935/5911	467/3008	425/2828	244/1872		
Supplemental Folate , RR (95% CI)	1.00 (Ref)	0.94 (0.84, 1.04)	0.94 (0.84, 1.04)	0.82 (0.72, 0.93)		0.003
No History of Infertility						
Cases/Total	453/2748	494/2799	474/2728	469/2724	429/2725	
Total Folate , RR (95% CI)	1.00 (Ref)	1.03 (0.92, 1.16)	1.00 (0.89, 1.12)	0.98 (0.87, 1.10)	0.90 (0.80, 1.02)	0.03
Cases/Total	976/5780	594/3223	478/2848	271/1873		
Supplemental Folate , RR (95% CI)	1.00 (Ref)	0.96 (0.88, 1.06)	0.93 (0.84, 1.03)	0.82 (0.72, 0.92)		0.001
Married & no oral contraception use						
Cases/Total	306/1963	328/2036	330/2097	338/2152	360/2339	
Total Folate , RR (95% CI)	1.00 (Ref)	1.01 (0.87, 1.16)	0.96 (0.83, 1.11)	0.94 (0.81, 1.08)	0.92 (0.80, 1.06)	0.15
Cases/Total	648/4179	418/2448	367/2301	229/1659		
Supplemental Folate , RR (95% CI)	1.00 (Ref)	0.97 (0.86, 1.10)	0.95 (0.84, 1.08)	0.85 (0.73, 0.98)		0.01
First Eligible Pregnancy						
Cases/Total	382/2346	411/2362	368/2228	348/2143	286/1993	
Total Folate , RR (95% CI)	1.00 (Ref)	1.03 (0.90, 1.16)	0.98 (0.86, 1.11)	0.94 (0.82, 1.07)	0.86 (0.74, 0.99)	0.007
Cases/Total	839/5010	435/2472	361/2290	160/1300		
Supplemental Folate , RR (95% CI)	1.00 (Ref)	0.94 (0.85, 1.05)	0.90 (0.81, 1.01)	0.73 (0.62, 0.85)		<0.0001
Only Years 1992, 1996, 2000, & 2004						
Cases/Total	160/1022	181/1040	180/1082	177/1112	161/1128	
Total Folate , RR (95% CI)	1.00 (Ref)	1.06 (0.88, 1.29)	0.99 (0.81, 1.20)	0.93 (0.76, 1.13)	0.83 (0.68, 1.02)	0.01

Gaskins AJ, Rich-Edwards JW, Hauser R, Williams PL, Gillman MW, Ginsburg ES, et al. Maternal prepregnancy folate intake and risk of spontaneous abortion and stillbirth. *Obstet Gynecol* 2014;124.

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Cases/Total	356/2144	232/1290	185/1182	86/768	
Supplemental Folate, RR (95% CI)	1.00 (Ref)	0.89 (0.76, 1.04)	0.84 (0.71, 0.99)	0.61 (0.48, 0.76)	<0.0001

Analyses run using a log-binomial generalized linear model with an exchangeable working correlation structure to compute relative risk estimates. Tests for linear trend were conducted by using the median values in each category as a continuous variable.

*Adjusted for age (continuous) and energy intake (continuous), body mass index (<18.5, 18.5-24.9, 25-29.9, ≥30, and missing), smoking status (never, former, current, and missing), physical activity (< 3 MET-h/wk, 3-8.9 MET-h/wk, 9-17.9 MET-h/wk, 18-26.9 MET-h/wk, 27-41.9 MET-h/wk, >42 MET-h/wk, and missing), year of pregnancy (continuous), history of infertility (no, yes, and missing), marital status (married, not married), and race (white, other).

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