

Supplementary Table SII Association between dairy intake and fertilization rates in 222 women (288 fresh cycles) from the EARTH Study.^a

	Fertilization rate, all cycles	Fertilization rate, IVF cycles	Fertilization rate, ICSI cycles
	Adjusted mean (95% CI) ^b		
Total dairy			
<1.34	0.73 (0.67, 0.78)	0.69 (0.58, 0.78)	0.76 (0.67, 0.83)
1.38–1.94	0.73 (0.67, 0.79)	0.71 (0.59, 0.80)	0.74 (0.66, 0.82)
1.96–2.97	0.66 (0.60, 0.72)	0.66 (0.55, 0.75)	0.66 (0.57, 0.74)
3.02–6.15	0.75 (0.69, 0.80)	0.76 (0.66, 0.84)	0.74 (0.66, 0.81)
P-trend ^c	0.70	0.34	0.81
Full-fat dairy ^d			
<0.59	0.71 (0.64, 0.77)	0.70 (0.59, 0.79)	0.74 (0.63, 0.82)
0.61–0.98	0.69 (0.62, 0.74)	0.65 (0.54, 0.75)	0.71 (0.62, 0.79)
1.00–1.59	0.77 (0.71, 0.82)	0.76 (0.66, 0.85)	0.77 (0.68, 0.83)
1.61–4.24	0.71 (0.65, 0.77)	0.70 (0.58, 0.79)	0.72 (0.64, 0.80)
P-trend	0.83	0.85	0.87
Low-fat dairy ^e			
<0.47	0.70 (0.64, 0.76)	0.69 (0.59, 0.78)	0.70 (0.61, 0.78)
0.48–0.89	0.74 (0.67, 0.79)	0.68 (0.55, 0.78)	0.79 (0.71, 0.86)
0.90–1.18	0.72 (0.66, 0.77)	0.73 (0.63, 0.81)	0.71 (0.62, 0.78)
1.20–5.30	0.72 (0.66, 0.78)	0.72 (0.62, 0.80)	0.73 (0.64, 0.81)
P-trend	0.73	0.57	0.85

ICSI, intra-cytoplasmic sperm injection; IVF, *in vitro* fertilization.

^aAll analyses were run using generalized linear mixed models with random intercepts, binomial distribution, logit link function and compound symmetry correlation structure. A total of 105 women contributed 133 IVF cycles and 110 women contributed 155 ICSI cycles.

^bData are presented as predicted marginal means adjusted for total calorie intake, age, BMI, race, smoking status, infertility diagnosis, protocol type, alcohol intake and dietary patterns using the LSMEANS procedure.

^cTest for trend were performed using the median level of dairy in each quartile as a continuous variable in the model.

^dAdjusted for footnote 'b' and low-fat dairy.

^eAdjusted for footnote 'b' and full-fat dairy.