

Supplementary Table SIII Association between dairy intake and embryo quality in 215 women (305 fresh cycles) from the EARTH Study.^a

	Poor quality embryos (%)	Accelerated embryo cleavage (%)	Slow embryo cleavage (%)	% With ≥ 1 best quality embryo on Days 2 and 3
	Adjusted mean (95% CI) ^b			
Total dairy				
< 1.34	15.9 (10.7, 23.1)	6.8 (4.3, 10.5)	27.5 (20.4, 35.9)	62.3 (47.6, 75.1)
1.38–1.94	13.1 (8.7, 19.3)	6.4 (4.1, 9.9)	24.7 (18.3, 32.5)	68.1 (53.6, 79.7)
1.96–2.97	18.1 (12.6, 25.3)	4.1 (2.4, 6.9)	31.0 (23.7, 39.3)	57.7 (43.9, 70.4)
3.02–6.15	15.2 (10.5, 21.6)	8.8 (6.0, 12.9)	28.2 (21.5, 36.1)	51.2 (37.7, 64.5)
P-trend ^c	0.83	0.21	0.77	0.17
Full-fat dairy ^d				
< 0.59	14.9 (9.7, 22.3)	6.7 (4.1, 10.7)	26.5 (19.4, 35.1)	62.7 (47.7, 75.7)
0.61–0.98	14.0 (9.4, 20.5)	6.8 (4.3, 10.5)	27.8 (20.9, 36.0)	56.2 (41.8, 69.6)
1.00–1.59	16.0 (10.9, 22.9)	4.4 (2.6, 7.4)	28.4 (21.5, 36.5)	58.6 (44.5, 71.5)
1.61–4.24	15.9 (10.9, 22.7)	7.7 (5.0, 11.6)	27.3 (20.6, 35.3)	59.3 (45.3, 72.0)
P-trend	0.69	0.52	0.97	0.90
Low-fat dairy ^e				
< 0.47	13.8 (9.3, 20.0)	6.9 (4.4, 10.6)	28.2 (21.4, 36.1)	63.2 (49.5, 75.0)
0.48–0.89	13.3 (8.5, 20.3)	5.1 (2.9, 8.8)	22.0 (15.6, 30.2)	56.7 (41.4, 70.8)
0.90–1.18	18.5 (13.2, 25.2)	6.4 (4.2, 9.7)	27.1 (20.9, 34.3)	61.7 (48.9, 73.1)
1.20–5.30	15.8 (10.7, 22.6)	6.7 (4.3, 10.5)	33.5 (25.8, 42.2)	55.2 (41.3, 68.3)
P-trend	0.40	0.78	0.31	0.51

^aAll analyses were run using generalized linear mixed models with random intercepts, binomial distribution, logit link function and compound symmetry correlation structure.

^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.

*Indicates a P-value < 0.05 comparing that quartile versus first quartile.