

**Supplementary Table SIV Association between dairy intake and clinical outcomes per initiated cycle in 232 women (232 cycles) from the EARTH Study<sup>a</sup> restricting to the first cycles.**

	Successful implantation	Clinical pregnancy	Live birth
	Adjusted mean (95% CI) <sup>b</sup>		
Total dairy			
<1.34	0.57 (0.42, 0.71)	0.57 (0.42, 0.71)	0.39 (0.26, 0.54)
1.38–1.94	0.77 (0.63, 0.86)*	0.65 (0.51, 0.77)	0.46 (0.33, 0.60)
1.96–2.97	0.51 (0.37, 0.64)	0.50 (0.37, 0.63)	0.40 (0.28, 0.54)
3.02–6.15	0.70 (0.56, 0.81)	0.62 (0.48, 0.75)	0.56 (0.42, 0.70)
P-trend <sup>c</sup>	0.55	0.80	0.15
Full-fat dairy <sup>d</sup>			
<0.59	0.56 (0.41, 0.70)	0.51 (0.36, 0.66)	0.37 (0.24, 0.53)
0.61–0.98	0.71 (0.58, 0.82)	0.67 (0.53, 0.79)	0.46 (0.33, 0.60)
1.00–1.59	0.67 (0.52, 0.78)	0.60 (0.46, 0.73)	0.47 (0.33, 0.61)
1.61–4.24	0.62 (0.48, 0.75)	0.57 (0.42, 0.7)	0.51 (0.37, 0.65)
P-trend	0.92	1.00	0.28
Low-fat dairy <sup>e</sup>			
<0.47	0.63 (0.49, 0.75)	0.60 (0.46, 0.72)	0.44 (0.31, 0.58)
0.48–0.89	0.62 (0.47, 0.74)	0.55 (0.41, 0.69)	0.41 (0.28, 0.56)
0.90–1.18	0.56 (0.43, 0.69)	0.49 (0.36, 0.61)	0.42 (0.29, 0.55)
1.20–5.30	0.75 (0.60, 0.85)	0.71 (0.57, 0.82)	0.53 (0.39, 0.67)
P-trend	0.38	0.41	0.44

<sup>a</sup>All analyses were run using generalized linear mixed models with random intercepts, binomial distribution, logit link function and compound symmetry correlation structure.

<sup>b</sup>Data are presented as predicted marginal means (95% CI) adjusted for total calorie intake, age, BMI, race, smoking status, infertility diagnosis, protocol type, alcohol intake and dietary patterns.

<sup>c</sup>Test for trend were performed using the median level of dairy in each quartile as a continuous variable in the model.

<sup>d</sup>Adjusted for footnote 'b' and low-fat dairy.

<sup>e</sup>Adjusted for footnote 'b' and full-fat dairy.

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