**Table S1.** Unadjusted relative risk ratios (RRR) and 95% confidence intervals (IC) for the associations between timing of food introduction and variables describing breastfeeding duration and maternal sociodemographic and health behaviours.

| **Antenatal maternal characteristics** | **N (%)\*** | **Age of introduction of complementary feeding\*\*** |
| --- | --- | --- |
| **Early introduction (age ≤ 4 months)** | **Late introduction (age ≥ 7 months)** |
| **Unadjusted RRR \*** | **(95% CI)** | **P value** | **Unadjusted RRR \*** | **(95% CI)** | **P value** |
| *Age in years (continuous)* | 5744 | 1.12 | (1.03-1.23) | 0.008 | 1.65 | (1.35-2.02) | 0.008 |
| *Birth weight (continuous)* | 5744 | 1.00 |  | 0.015 | 1.00 | (0.99-1.00) | 0.412 |
| *Sex*MaleFemale | 2974 (52.0)2770 (48.0) | Ref0.88 | (0.79-0.98) | 0.021 | Ref0.88 | (0.65-1.19) | 0.406 |
| *Breastfeeding duration*>6 months<6 monthsNever breastfed |  3824 (66.8)1739 (30.4)163 (2.8) | Ref2.982.76  | (2.65-3.36)(2.00-3.80) | <0.001<0.001 | Ref0.580.96 | (0.38-0.90)(0.35-2.68) | 0.0150.944 |
| *Parity*PrimiparousMultiparous | 2397 (41.8)3333 (58.2) | Ref0.92 | (0.82-1.02) | 0.126 | Ref1.80 | (1.29-2.51) | <0.001 |
| *Planned pregnancy*YesNo | 3541 (62.0)2167 (38.0) | Ref1.80 | (1.61-2.01) | <0.001 | Ref1.97 | 1.46-2.67 | <0.001 |
| *Age group (years)*>30 years20-29 years<20 years | 3270 (57.0)2205 (38.4)260 (4.6) | Ref2.16 3.65  | (1.93-2.42)(2.80-4.76) | <0.001<0.001 | Ref1.500.67 | (1.10-2.03)(0.21-2.16) | 0.0100.505 |
| *Attendance to childbirth preparation class*YesNo, but intend to attendNo, and do not intend to attend | 1248 (21.9)1046 (18.4)3395 (59.7) | Ref1.221.13 | (1.02-1.44)(0.99-1.30) | 0.0220.067 | Ref2.053.43 | (1.08-3.87)(2.03-5.80) | 0.028<0.001 |
| *Highest level of education*Higher than bachelor’s degreeBachelor’s degreeDiploma/Trade cert/NCEA 5-6Secondary school/NCEA 1-4No secondary school qualification | 936 (16.4)1348 (23.6)1752 (30.6)1318 (23.0)366 (6.4) | Ref1.07 2.25 2.06 4.17  | (0.89-1.28)(1.90-2.68)(1.72-2.47)(3.21-5.40) | 0.482<0.001<0.001<0.001 | Ref0.831.573.053.19 | (0.47-1.48)(0.93-2.63)(1.87-4.99)(1.59-6.39) | 0.5360.088<0.0010.001 |
| *Self-prioritised ethnic group* EuropeanMāoriPacificAsianMELAA and others | 3169 (55.4)763 (13.3)787 (13.7)810 (14.2)196 (3.4) | Ref2.50 1.65 1.03 1.22  | (2.12-2.95)(1.40-1.94)(0.87-1.21)(0.91-1.64) | <0.001<0.0010.7310.190 | Ref2.484.232.451.39 | (1.53-4.03)(2.87-6.21)(1.62-3.71)(0.55-3.54) | <0.001<0.001<0.0010.484 |
|  *NZDep 2006 (deciles)\*\*\**1-2 (least deprived)3-45-67-8 9-10 (most deprived) | 947 (16.5)1091 (19.0)991 (17.3)1201 (21.0)1503 (26.2) | Ref1.171.401.702.16 | (0.97-0.41)(1.16-1.70)(1.42-2.03)(1.82-2.57) | 0.100<0.001<0.001<0.001 | Ref1.161.371.853.67 | (0.63-2.14)(0.74-2.53)(1.05-3.26)(2.20-6.13) | 0.6380.3140.034<0.001 |
| *Pre-pregnancy BMI (kg/m2)*< 25>25 & <30>30 | 3029 (59.7)1126 (22.2)917 (18.1) | Ref1.271.68 | (1.10-1.46)(1.44-1.95) | 0.001<0.001 | Ref1.271.48 | (0.85-1.90)(0.96-2.27) | 0.2410.075 |
| *Physical activity before and during pregnancy*Moderate/vigorous before and duringModerate/vigorous only before or duringNo Moderate/vigorous before and during | 1783 (33.9)1404 (26.7)2073 (39.4) | Ref0.890.90 | (0.77-1.03)(0.79-1.02) | 0.1150.105 | Ref0.750.82 | (0.49-1.13)(0.57-1.18) | 0.1710.280 |
| *Pre/during pregnancy smoking pattern*Non-smokerStopped smokingContinued smoking | 4234 (80.7)517 (9.9)494 (9.4) | Ref2.013.49 | (1.67-2.42)(2.85-4.26) | <0.001<0.001 | Ref0.971.18 | (0.53-1.77)(0.61-2.28) | 0.9150.630 |
| *Fruits and vegetables guideline adherence*YesNo | 1313 (25.0)3947 (75.0) | Ref1.11 | (0.97-1.26) | 0.115 | Ref1.01 | (0.70-1.45) | 0.973 |
| *Breads and cereals guideline adherence*YesNo | 1389 (26.4)3871 (73.6) | Ref0.69 | (0.61-0.78) | <0.001 | Ref0.69 | (0.49-0.97) | 0.034 |
| *Milk and derivatives guideline adherence*YesNo | 3061 (58.2)2199 (41.8) | Ref0.97 | (0.87-1.09) | 0.614 | Ref1.19 | (0.86-1.64) | 0.285 |
| *Meats and alternatives guideline adherence*YesNo | 1149 (21.9)4109 (78.1) | Ref0.84 | (0.74-0.96) | 0.013 | Ref0.64 | (0.45-0.91) | 0.012 |

Ref., reference category.

RRR, Relative risk ratio; NCEA, National Certificate of Education Achievement; NZDep2006\*\*, neighborhood deprivation index 2006; *kg/m2*, kilograms/squared metres.

\*Infants aged 7 to 12 months in the nine-month interview.

\*\*The group of mothers whose infants had timely introduction to complementary foods was the reference group in these analyses.

\*\*\* Area-level socioeconomic deprivation was measured by using the NZ Index of Deprivation. Derived from the 2006 national census according to the methodology described in Salmond et al (34). NZDep2006 deciles 1-2 represent the least deprived neighbourhoods and deciles 9-10 the most deprived neighbourhoods.

Missing for variables listed in the table (n): sex (n=26); age in years (n=26); birth weight (n=26); breastfeeding (n=44); parity (n=40); planned pregnancy (n=62); age group (n=35); childbirth class (n=81); education (n=50); ethnicity (n=45); deprivation index (n=37); pre-pregnancy BMI (n=698); physical activity (n=510); smoking pattern (n=525); adherence to fruits and vegetables consumption (n=510); adherence to breads and cereals consumption (n=510); adherence to milk and derivatives consumption (n=510); adherence to meats and alternatives consumption (n=512).