Appendix Table 2. OR, Relative Risk (RR), or regression coefficient values from logistic regression of included studies

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  | Al-Qaoud, N.; Prakash, P, 2009 | Ardic, C. et al., 2019 | Bell, S. et al., 2018 | Bider-Canfield, Z. et al., 20171 | Demment, M. M. et al., 2014 | Fairley, L. et al., 2015 | Iguacel, I. et al., 2018 a | Iguacel, I. et al., 2018 b | Ortega-García, J. A. et al., 2018 | Rios-Castillo, I. et al., 2015 | Sirkka, O. et al., 2018 | Weden, M. M. et al., 2012 |
|  | Maternal smoking | Yes  | N/A | N/A | 1.00 | N/A | 1.37; 2.18\*† | 1.36 | 1.59\*\* | 0.32\* | Cig/week 0.003 | N/A | N/A  | Packs/ day1.21 |
|  |  | No |  |  | 0.42\* |  | 1.00; 1.00 | 1.00 | 1.00 |  |  |  |  | 1.00 |
|  | Alcohol intake | Yes | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | g/day 0.136\* | N/A | N/A | N/A |
| *Healthy behaviours & lifestyle* |  | No |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Family eating |  | N/A | Put to bed with bottle ≥24 months 1.27 | N/A | N/A | N/A | Caregiver feeding style: authoritative 1.00 |  | N/A | N/A | N/A | N/A | Family meals days/ week <71.00 |
|  |  |  |  | Put to bed with bottle <24 months 1.00 |  |  |  | Authoritarian0.85  |  |  |  |  |  | Family meals days/ week 71.04 |
|  |  |  |  |  |  |  |  | Indulgent 1.29\* |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  | Uninvolved 1.07 |  |  |  |  |  |  |
|  | Maternal BMI | Normal/underweight | 0.85; 0.64 | 1.00 | 1.00 | 1.00 | 2.55\*; 1.38 | 1.00 | N/A | N/A | Kg/m2 0.093\* | 1.00 | 0.52\*\* | 1.00 |
|  |  | Overweight | 1.50; 1.43 |  | 1.42 | 1.46\*(2.43) | 0.82; 2.36\* | 1.28 |  | N/A | N/A | 1.965\* | 0.73 | 1.70\*\*\* |
| *Maternal anthropometrics* |  | Obese | 1.94\*; 2.63\* | 1.35 | 2.12\* | 2.21\*(5.63) | 0.68; 0.46 | 1.44 |  | 0.05\* | N/A | N/A | 0.65 | 3.10\*\*\* |
|  | GWG | Inadequate | N/A | N/A | N/A | N/A | 1.00; 1.00 | N/A |  | N/A | N/A | N/A | N/A | N/A |
|  |  | Adequate/ No |  |  |  | 1.00 | N/A |  | N/A |  |  |  |  |  |
|  |  | Excessive/ Yes |  |  |  | 1.08(1.30) |  |  |  |  |  |  |  |  |
|  | Ethnicity |  | N/A | N/A | Australian/ New Zealand 1.00 | N/A |  | N/A |  | N/A | N/A | N/A | Dutch0.53 | Non-Hispanic White 1.00 |
|  |  |  |  |  | UK/ Irish 1.33 |  |  |  |  |  |  |  | Turkish 1.01 | Non-Hispanic Black 1.18 |
|  |  |  |  |  | Indian 1.01 |  | 1.00; 1.00 |  | 1.00 |  |  |  | Moroccan1.20 |  |
| *Genetics, epigenetics & Fetal programming* |  |  |  |  | Chinese 0.70 |  |  |  | 1.91\*\* |  |  |  | Surinamese0.25 |  |
|  |  |  |  |  | Asian- other 0.72 |  | 1.79\*; 8.31\* |  | 2.20\*\* |  |  |  |  |  |
|  |  |  |  |  | Other 0.84 |  | 0.68; 0.58 |  | 0.76 |  |  |  |  |  |
|  | Paternal BMI | Normal/underweight | N/A | N/A | N/A | N/A | 1.00; 1.00 | N/A | 1.00 | N/A | N/A | N/A |  | N/A |
|  |  | Overweight |  |  |  |  | 0.61; 0.49 |  | 1.13 | N/A |  |  |  |  |
|  |  | Obese  |  |  |  |  | N/A |  | Spanish Roma 4.87\*\* | 0.05\* |  |  |  |  |
|  | EBF  | < 2 months/ No | 0.98; 1.25 | N/A | < 3 months 1.00 | 1.00 |  | Never 1.00 | Eastern European 1.44 | N/A | EBF (weeks) 0.027 | N/A | N/A | None/ <1 month 1.00 |
|  |  | 2- <4 months | 0.83; 1.23 | N/A | 3-6 months 0.80 | N/A |  | 1 day – 1 month 1.38 | Latin American 3.22\*\* | -0.03 | Full BF (weeks) **-**0.052\* |  | 3-5.9 months0.83 | 1-7 months 0.80\* |
| *Early infant feeding*  |  | 4- <6 months/ Yes | 1.13; 1.48 | 3.32\* | 6-12 months 0.82 | N/A |  | 1-4 months 1.16 | African 1.12 | N/A | Any BF (weeks) 0.015 |  | N/A | ≥8 months 0.62\*\*\* |
|  |  | ≥6 months | 1.09; 1.39 | 1.00 | ≥12 months 0.49\* | 0.75\*(1.23) |  | 4+ months1.08 | Non-gypsy Spaniard 1.00 | N/A | N/A |  | 0.58\*\* | N/A |
|  | Early introduction to solid food  | < 2 months/ Yes | 2.46\*; 2.39\* | N/A | <3 months1.00 | N/A |  | <4 months0.86 |  | N/A | N/A | N/A | N/A | N/A |
|  |  | 2- <4 months | 1.13; 1.08 |  | 3-6 months 0.94 |  | N/A | 4 months 1.00 | 1.00 | -0.05 |  |  | N/A |  |
|  |  | ≥6 months/ No | 1.39; 1.24 |  | ≥6 months 0.56 |  |  | N/A | 2.19\*\* | N/A |  |  | ≥5 months0.81\* |  |
|  | Rapid infant weight gain | Low-rising  | N/A | N/A | N/A | N/A |  | N/A | 3.05\*\* | N/A | N/A | N/A | N/A | N/A |
|  |  | Stable/ No |  |  |  |  | 1.04; 1.59† |  | 1.20 |  | N/A | 1.00 |  |  |
|  |  | High-rising/ Yes  |  |  |  |  | 0.82; 1.23† |  | N/A |  | Weight gain in 1st year (g) 0.407\* | 1.958\* |  |  |
| *Infant growth trajectories* | Birthweight  | <2.5kg  | 0.68; 0.99 | N/A | Per 0.1kg 1.06\* | N/A | 0.81; 0.64† | N/A | 1.00 | 0.09 | N/A | 1 SD BMI z-score 1.433\* | N/A | N/A |
|  |  | 2.5-3.99kg | N/A |  |  |  | 1.00; 1.00 |  | N/A | N/A |  | N/A |  |  |
|  |  | ≥4.0 kg | 0.95; 2.06\* |  |  |  | N/A |  | N/A | 0.09 |  | N/A |  |  |
|  | Income | Persistently low income | N/A | N/A | Most disadvantaged 2.10**\***† | N/A |  | N/A |  | N/A | <800 Euro 1.173 | N/A | N/A | <$ 250000.94 |
|  |  | Downwardly mobile |  |  | 1.01† |  |  |  |  |  | 800-1499 Euro 0.575 |  |  | $25000- 499991.00 |
|  |  | Upwardly mobile |  |  | 1.79† |  | 0.30\*; 0.50\*  |  | N/A |  | 1500-2500 Euro 0.051 |  |  | $50000-749990.98 |
| *Societal changes & SES*  |  | Not low income |  |  | Most advantaged 1.16† |  | 1.00; 1.00 |  | 1.00 |  | N/A |  |  | ≥$750000.92 |
|  | Maternal Education  | Low/ Intermediate or secondary/ <12 years | 1.02; 1.29 | N/A | 1.00 † | N/A | 3.87\*; 5.42\* | N/A | 3.29\*\* | N/A | N/A | N/A | 0.72 | 1.27 |
|  |  | Medium/ Diploma/ 12 years | 1.20; 1.37 |  | N/A |  | N/A |  | 0.71 |  | N/A |  | 0.50\* | 1.00 |
|  |  | High/ University and above/ 13-15 years  | 1.49; 1.82 |  | 0.75 † |  |  |  | 1.00 |  | -0.160 |  | 0.65 | 1.10 |
|  |  | ≥16 years | N/A |  | N/A |  |  |  | 1.27 |  | N/A |  | N/A | 0.91 |

OR/ AOR and RR values presented with 2 values correspond to overweight risk; and obese risk, respectively. Single values consider risk of overweight and obesity BMI above 85th percentile.
1 values that appear within brackets are from the updated study by Wang X, Martinez MP, Chow T, Xiang AH. (2020).
\* denotes significance reported at p< 0.05, \*\* denotes significance reported at p< 0.01, \*\*\* denotes significance reported at p< 0.001
results from Gannon J, Pollock AJ, Allen DB, Kling PJ (2021) and Ventura, A. K. et al., (2009) were not presented as regression modelling was not used to report these outcomes.
N/A= Not applicable.
† unless stated, all values are adjusted to confounders and covariates.
all studies report 95% CI with the exception of Iguacel, I. et al., 2018a