

## Supplementary materials

**Manuscript Title:** Association between breastfeeding exposure and duration with offspring's dietary patterns over one year of age: a systematic review of observational studies

**Table S1.** The covariates used in the eligible studies.

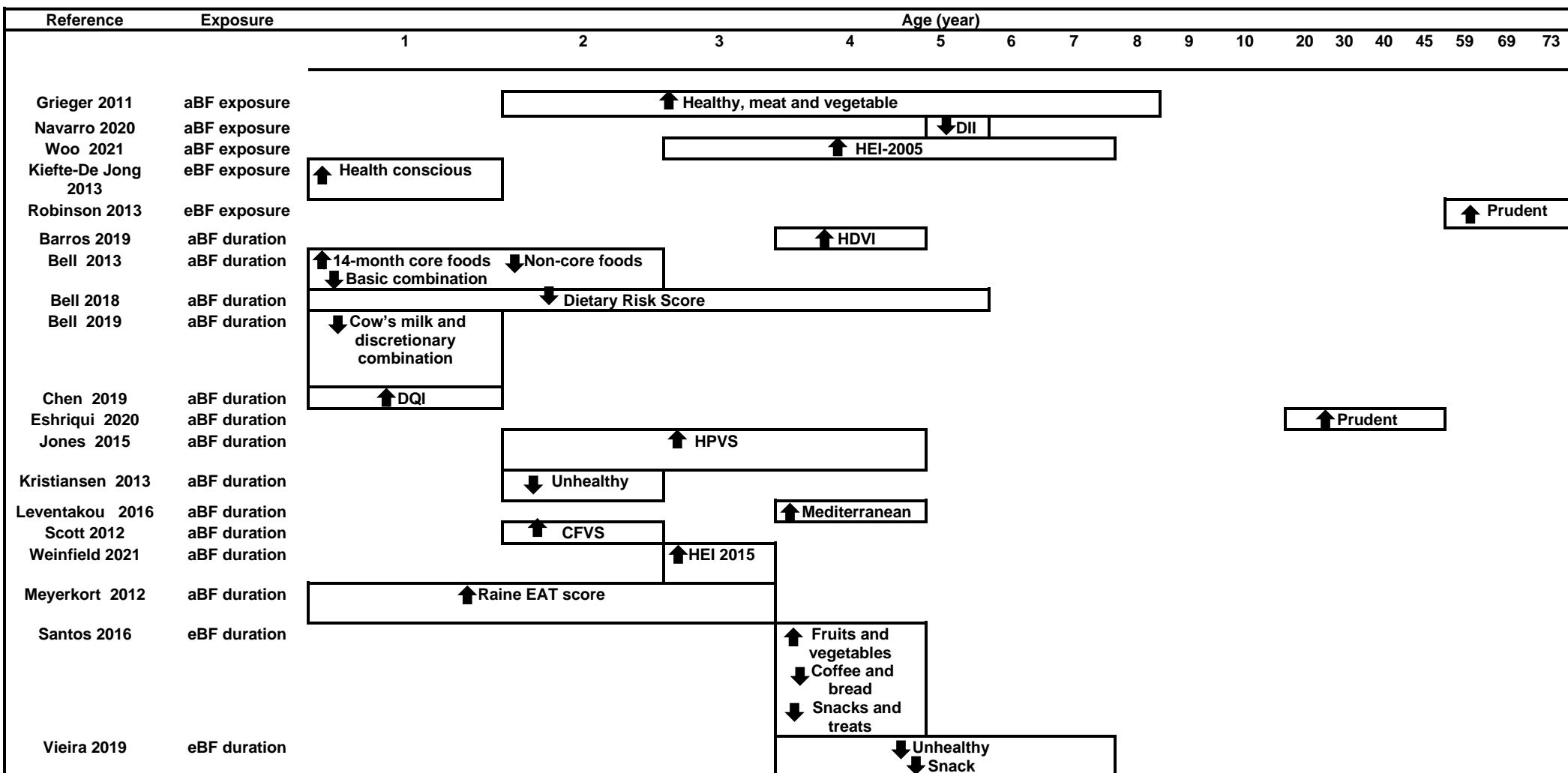
Study	Covariates
Barros et al. 2019	Child characteristics: gender, BMI, screen time, and number of siblings. Maternal characteristics: age and education.
Bell et al. 2013	Child characteristics: age, and age of introduction to foods. Maternal characteristics: age, education, smoking, country of birth, type of study recruitment.
Bell et al. 2018	Child characteristics: age and gender. Parental characteristics: age, education, relationship with child, marital status, work status, country of residence, and number of children.
Bell et al. 2019	Child characteristics: age and age of introduction to solid foods. Maternal characteristics: age, education, employment status, IRSAD decile, household income, and weight.
Chen et al. 2019	Maternal characteristics: age, education, work status at delivery. Maternal and child characteristics during pregnancy and at delivery: gestational diabetes, hypertension, weight gain during pregnancy, smoking status, child's weight for the gestational age. Maternal and child's characteristics at the 4 years evaluation: maternal BMI, maternal dietary score, child's physical exercise, healthy eating index score at 4 years, children BMI's stability from 4 to 7 years, child's gender.
Eshriqui et al. 2019	Energy intake, and maternal characteristics (pre-pregnancy BMI, mode of delivery, and education)
Grieger et al. 2011	Child characteristics: age, gender, energy intake, BMI, birth weight, waist girth, age of introduction to solid foods, age of receiving infant formula. Parental characteristics: SEIFA, number of adults in the household, number of children in the household, and education.
Jones et al. 2015	Child characteristics: gender, age of introduction to solids, age of introduction to fruit and age of introduction to vegetables Maternal characteristics: age, education, smoking status, and HPVS in pregnancy
Kheir et al. 2021	Child characteristics: age, gender, energy intake Maternal characteristics: age and BMI Others: parental education and income
Kristiansen et al. 2013	Child characteristics: gender Maternal characteristics: age, parity, marital status, work status, education, smoking Others: paternal education.
Kiefte-De Jong et al. 2013	Child characteristics: age, gender, birth weight, age of introduction of solids, history of food allergy in first year of life, Daycare or au-pair in first year. of life, weight for age at 14 months, height for age at 14 months, TV watching in second year of life. Maternal characteristics: age, education, household income, parity, marital status, smoking, alcohol consumption, pre-pregnancy BMI, dietary intakes during pregnancy (energy, carbohydrate, fat, and fiber), folic acid supplementation during pregnancy, history of diabetes, hypertension or hypercholesterolaemia. Paternal characteristics: age, education, BMI, history of diabetes, hypertension or hypercholesterolaemia)
Leventakou et al. 2015	Child characteristics: gender, number of siblings, birth weight, preterm birth, age of introduction to solid foods, and lifestyle characteristics at 4 years (energy intake, BMI z-score, pre-school attendance, hours/day spent with mother, passive smoking at home, hours/day spent watching TV, hours/day spent outside home). Maternal characteristics: age, education, country of residence, country of origin, working status, pre-pregnancy BMI, type of delivery. Others: paternal education
Meyerkort et al. 2012	Child's characteristics: age, IRSAD at 1 year of age, family size. Maternal characteristics: age, education, smoking.

Navarro et al. 2020	Socio-economic status, education, marital status, smoking, alcohol consumption, household income, age at recruitment, BMI, and gender.
Robinson et al. 2013	Gender, birth weight, and weight gain in first year.
Santos et al. 2016	Socioeconomic position, mother's age at birth, child's gender and skin color, and energy intake.
Scott et al. 2012	maternal age, maternal education and presence of older siblings
Sitarik et al. 2021	Child race, child sex, marital status, maternal education, prenatal environmental tobacco smoke exposure, prenatal indoor pets, and maternal BMI at first prenatal visit
Vieira et al. 2019	Gender, age, per capita income, maternal work, screen time, civil status , physical activity practice, maternal education,
Weinfield et al. 2021	Maternal race/ethnicity, child sex, maternal marital status at 24 months, WIC participation duration, and child age when complementary foods were introduced
Woo 2021	Authors had used a multivariate analysis; however, they did not clarify which covariates were included in the analysis.

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*Abbreviations:* BMI, body mass index; IRSAD, Index of Relative Socioeconomic Advantage and Disadvantage; SEIFA, Socio-economic Indexes for Areas.

**Fig S1.** Qualitative summary of evidence on breastfeeding exposure and duration with data-driven dietary patterns and diet quality scores



The arrows denote a ↑ positive, ↓ negative, or ↔ no association between any/exclusive breastfeeding with data-driven dietary patterns and diet quality scores.

*Abbreviations:* aBF, any breastfeeding; eBF, Exclusive breastfeeding; HDVI, Healthy Dietary Variety Index; DQI, Diet Quality Index; HEI, Healthy Eating Index; HPVS, The Healthy Plate Variety Score; DQI-I, Diet Quality Index – International; EAT, Eating Assessment in Toddlers; DII, Dietary inflammatory index; CFVS, Core food variety score; DDPs, Data-driven dietary patterns