**Table S2: Characteristics of the individual studies included for our analysis**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Author, Country, Year** | **Study,**  **study type** | **N cases included in our IPD** | **Age**  **(range) in years** | **Potential confounder variables assessed** | | | | **Study quality (assessed with NIH tool)** |
|  |  |  |  | **Breastfeeding** | **Maternal BMI after pregnancy** | **Maternal BMI before pregnancy** | **Maternal education** |  |
| **Gilman,**  **2008**  United States | Collaborative Perinatal Project (CPP),  prospective study | 24476 | 7 | no | yes | no | yes, at least 10 years school | good |
| **Grzeskowiak,**  **2015**  Australia | Women’s and Children’s Health Network,  prospective study | 1315 | 3-5.9 | yes (any breastfeeding yes/no) | no | yes | no | good |
| **Oken,**  **2005**  United States1 | Project Viva,  prospective study | 36 | 6.9-10.4 | yes | yes (≥1month) | yes | yes | good |
| **Syme,**  **2010**  Canada | Saguenay Youth Study (SYS),  retrospective cohort study of prenatal exposure to maternal cigarette smoking | 1013 | 12-19.1 | yes | yes (total duration in months) | yes | yes | good |
| **Sharma,**  **2008**  United States | Prevention’s Pregnancy Nutrition Surveillance System (PNSS),  prospective study | 18459 | 2-5 | yes | yes (any breastfeeding yes/no) | yes | yes | good |

1 the most recent outcome data (mid-childhood) assessed in that study was used (not included in that publication)