ESM Table 1. Comparison of individual skinfold thickness SDS (internally derived) between ‘recent’ or ‘earlier’ OGDM versus controls

|                | Control        | ‘Recent’ OGDM | ‘Earlier’ OGDM |
|----------------|----------------|---------------|----------------|
| **Birth**      |                |               |                |
| Triceps        | 0.04 ± 1.03    | -0.42 ± 0.65**| 0.30 ± 0.97**  |
| Subscapular    | 0.02 ± 1.02    | -0.22 ± 0.87* | 0.17 ± 1.01    |
| Flank          | 0.05 ± 0.97    | -0.59 ± 0.64**| 0.45 ± 1.26**  |
| Quadriceps     | 0.04 ± 1.03    | -0.40 ± 0.66**| 0.32 ± 1.01*   |
| **3 months**   | Total n=710    | Total n=102   | Total n=91     |
| Triceps        | 0.02 ± 1.04    | -0.27 ± 0.75* | 0.18 ± 0.92    |
| Subscapular    | -0.01 ± 1.00   | 0.14 ± 0.98   | -0.09 ± 1.01   |
| Flank          | 0.00 ± 1.03    | -0.03 ± 0.83  | 0.01 ± 0.92    |
| Quadriceps     | 0.01 ± 1.03    | -0.13 ± 0.77  | 0.09 ± 0.97    |
| **12 months**  | Total n=621    | Total n=86    | Total n=77     |
| Triceps        | 0.03 ± 1.02    | -0.47 ± 0.85**| 0.27 ± 0.88    |
| Subscapular    | 0.01 ± 1.02    | -0.09 ± 0.97  | 0.05 ± 0.90    |
| Flank          | 0.03 ± 1.01    | -0.38 ± 0.80**| 0.24 ± 1.04    |
| Quadriceps     | 0.04 ± 1.00    | -0.50 ± 0.90**| 0.29 ± 0.98    |
| **24 months**  | Total n=710    | Total n=102   | Total n=91     |
| Triceps        | 0.02 ± 1.03    | -0.28 ± 0.87* | 0.16 ± 0.88    |
| Subscapular    | 0.01 ± 1.04    | -0.13 ± 0.82  | 0.07 ± 0.81    |
| Flank          | 0.03 ± 1.04    | -0.43 ± 0.68**| 0.26 ± 0.79    |
| Quadriceps     | 0.03 ± 1.02    | -0.44 ± 0.78**| 0.25 ± 0.92    |

Values are mean ± SD, or %
SDS, standard deviation score (internally derived)
*p<0.05 vs. control group
**p<0.005 vs. control group
Comparisons are adjusted for sex and postnatal age at measurement. Comparisons at birth and age 3 months are additionally adjusted for gestational age.
ESM Table 2. Linear regression comparison of infant growth parameters between ‘Earlier’ OGDM and controls, with/without untreated subjects.

Model 1: adjusted for gestational age (birth and 3 months growth outcomes only), sex, and age at measurement
Model 2: Model 1 + adjusted for pre-pregnancy maternal BMI, maternal height (for length and height gain only), parity (primiparous, yes/no), feeding history (exclusively breastfed at 3 months, yes/no; except for birth anthropometry), maternal ethnicity (Caucasian descent, yes/no), index of multiple deprivation, delivery method (Caesarean delivery, yes/no), maternal smoking history during pregnancy (yes/no).

β (regression coefficients) ± SE are displayed

| Outcomes          | ‘Earlier’ OGDM vs. Controls | β±SE | p     |
|-------------------|-----------------------------|------|-------|
| **At birth**      |                             |      |       |
| Weight SDS        | Model 1: Include all subjects | 0.27±0.06 | <0.0001 |
|                   | Without 19% untreated subjects | 0.26±0.06 | <0.0001 |
|                   | Model 2: Include all subjects | 0.15±0.06 | 0.01 |
|                   | Without 19% untreated subjects | 0.12±0.07 | 0.064 |
| Length SDS        | Model 1: Include all subjects | 0.14±0.06 | 0.015 |
|                   | Without 19% untreated subjects | 0.13±0.06 | 0.048 |
|                   | Model 2: Include all subjects | 0.08±0.06 | 0.201 |
|                   | Without 19% untreated subjects | 0.05±0.07 | 0.462 |
| Skinfolds SDS     | Model 1: Include all subjects | 0.13±0.05 | 0.015 |
|                   | Without 19% untreated subjects | 0.16±0.06 | 0.005 |
|                   | Model 2: Include all subjects | 0.02±0.06 | 0.699 |
|                   | Without 19% untreated subjects | 0.05±0.06 | 0.382 |
| **Change 0-3 months** |                             |      |       |
| Weight SDS        | Model 1: Include all subjects | -0.10±0.06 | 0.085 |
|                   | Without 19% untreated subjects | -0.12±0.07 | 0.079 |
|                   | Model 2: Include all subjects | -0.06±0.07 | 0.338 |
|                   | Without 19% untreated subjects | -0.05±0.07 | 0.529 |
| Length SDS        | Model 1: Include all subjects | -0.06±0.05 | 0.2 |
|                   | Without 19% untreated subjects | -0.085±0.05 | 0.117 |
|                   | Model 2: Include all subjects | -0.07±0.05 | 0.205 |
|                   | Without 19% untreated subjects | -0.097±0.06 | 0.107 |
| Skinfolds SDS     | Model 1: Include all subjects | -0.12±0.07 | 0.073 |
|                   | Without 19% untreated subjects | -0.16±0.07 | 0.024 |
|                   | Model 2: Include all subjects | 0.003±0.07 | 0.967 |
|                   | Without 19% untreated subjects | -0.03±0.08 | 0.671 |
| **Change 3-12 months** |                             |      |       |
| Weight SDS        | Model 1: Include all subjects | -0.1±0.06 | 0.07 |
|                   | Without 19% untreated subjects | -0.11±0.06 | 0.079 |
| Model | Include all subjects | Without 19% untreated subjects |
|-------|----------------------|-------------------------------|
| Model 2 | -0.07±0.06 0.234 | -0.08±0.07 0.251 |
| Length SDS | -0.14±0.06 0.015 | -0.15±0.06 0.017 |
| Model 2 | -0.09±0.06 0.13 | -0.07±0.07 0.31 |
| Skinfolds SDS | 0.13±0.06 0.023 | 0.14±0.06 0.034 |
| Model 2 | 0.1±0.07 0.123 | 0.11±0.07 0.147 |
| Change 12-24 months | | |
| Weight SDS | -0.01±0.04 0.8 | -0.01±0.04 0.803 |
| Model 2 | -0.02±0.04 0.702 | -0.01±0.04 0.758 |
| Length SDS | 0.01±0.04 0.9 | 0.01±0.04 0.779 |
| Model 2 | 0.03±0.04 0.541 | 0.03±0.05 0.524 |
| Skinfolds SDS | -0.03±0.05 0.5 | -0.04±0.06 0.486 |
| Model 2 | -0.05±0.06 0.379 | -0.05±0.06 0.453 |