**Supplementary tables**

**Table S1 Baseline characteristics by attrition, *Familias en Accion* conditional cash transfer programme, Colombia, 2002**

|  |  |  |  |
| --- | --- | --- | --- |
|   | **Remain in the follow-up**  | **Lost to follow-up**  | ***p-value*** |
|
| **Child characteristics** |  |  |  |
| Female (n [%]) | 1433 (49.9) | 949 (48.2) | 0.22 |
| Age, years (mean [SD]) | 4.4 (1.3) | 5.1 (1.5) |  <.0001a |
| Childcare “Hogares” participation (n [%]) | 1418 (49.3) | 946 (48.0) | 0.54 |
|  |  |  |  |
|  |  |  |  |
| **Anthropometric parameters** |  |  |  |
| Height for age z-score (mean [SD])  | -1.44 (1.2) | -1.40 (1.1) | 0.24 |
| Stunting (n [%]) | 833 (29.0) | 539 (27.4) | 0.25 |
| BMI for age z-score (mean [SD]) | 0.22 (1.0) | 0.11 (1.1)  | 0.001a |
| BMI ((kg/m2) (mean [SD]) | 15.7 (1.4) | 15.6 (1.5) | 0.003a |
| Thinness (n %) | 39 (1.4) | 42 (2.1) | 0.05 |
| Overweight (n %) | 475 (16.5) | 277 (14.1) | 0.02 |
| Obesity (n %) | 78 (2.7) | 46 (2.3) | 0.38 |
|  |  |  |  |
|  |  |  |  |
| **Mother’s and household characteristics** |  |  |  |
| Mother’s age (mean [SD]) | 31.8 (7.1) | 31.8 (7.4) | 0.85 |
|  |  |  |  |
| Mother lives with partner (n [%])  | 2,530 (88.1) | 1,623 (82.4) |  <.0001a |
|  |  |  |  |
| Mother’s Education (n [%]) |  |  |  |
|  No education | 435 (15.2) | 324 (16.5) | 0.52 |
|  Incomplete Primary | 1322 (46.1) | 914 (46.4) |  |
|  Complete Primary | 572 (19.9) | 352 (17.8) |  |
|  Incomplete Secondary | 368 (12.9) | 271 (13.8) |  |
|  Complete Secondary | 153 (5.3) | 95 (4.8) |  |
|  Higher | 24 (0.8) | 13 (0.7) |  |
|  |  |  |  |
| Mother’s BMI (mean [SD]) | 25.0 (4.7) | 24.9 (4.3) | 0.67 |
|  |  |  |  |
| Family size (mean [SD]) | 6.7 (2.5) | 6.5 (2.4) | 0.53 |
|  |  |  |  |
| *Household income* |  |  |  |
|  Below median (n [%]) | 1449 (50.4) | 978 (49.7) | 0.73 |
|  |  |  |  |
|  |  |  |  |
| **Municipality characteristics** |  |  |  |
| Level of urbanization (Rural (n [%])) | 1443 (50.2) | 1022 (51.9) | 0.50 |
|  |  |  |  |
| Population (< 5,000 (n [%])) | 910 (31.7) | 612 (31.1) | 0.26 |
| Population (5,000- 14,000 (n [%])) | 1097 (38.2) | 678 (34.4) |  |
| Population ( > 14,000 (n [%])) | 867 (30.2) | 679 (34.5) |  |
|  |  |  |  |
| Atlantic region (n [%]) | 1157 (40.3) | 693 (35.2) | 0.03a |
| Eastern region (n [%]) | 528 (18.4) | 491 (24.9) |  |
| Central region (n [%]) | 797 (27.7) | 523 (26.6) |  |
| Pacific region (n [%]) | 392 (13.6) | 262 (13.3) |  |

a Difference between treatment and control,  *P < 0.05*

*p-values* for continuous variables are from a t- test, while those for categorical variables are from a chi-square test.

**Table S2 Difference- in- difference (DID) estimate of the effect of *Familias en Accion* (FA) conditional cash transfer programme on BMI for each separate follow-up period, Colombia**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|   | **HAZa** | **Stuntingb** | **BMI z-scoresa** | **Thinnessb** | **Overweightb** | **Obesityb** |
|  | **β-Coefficient (95% CI)** | **Odds ratio (95% CI)** | **β-Coefficient (95% CI)** | **Odds ratio (95% CI)** | **Odds ratio (95% CI)** | **Odds ratio (95% CI)** |
| **Treatment group** | 0.04 (-0.15,0.24) | 0.99 (0.72, 1.35) | -0.10 (-0.26, 0.07) | **5.00 (1.71, 14.6)** | 0.83 (0.54, 1.29) | 1.89 (1.00, 3.59) |
| **Time dummy at 1st follow-up** | **0.08 (0.04, 0.11)** | 0.90 (0.77, 1.04) | -0.21 (-0.29, -0.13) | 1.47 (0.91, 2.39) | **0.63 (0.51, 0.80)** | 0.73 (0.37, 1.43) |
| **Time dummy at 2nd follow-up** | 0.23 (0.18, 0.29) | 0.61 (0.54, 0.68) | -0.38 (-0.51, -0.25) | 2.88 (0.99, 8.40) | **0.42 (0.27, 0.65)** | 0.93 (0.41, 2.09) |
| **DID Estimate (Treatment\* time dummy at 1st follow-up)** | -0.03 (-0.13, 0.08) | 0.92 (0.77, 1.10) | 0.11 (-0.04, 0.26) | **0.31 (0.10, 0.95)** | 1.16 (0.79, 1.72) | 0.68 (0.21, 2.18) |
| **DID Estimate (Treatment\* time dummy at 2nd follow-up)** | 0.03 (-0.07, 0.14) | 0.93 (0.78, 1.12) | **0.16 (0.01, 0.32)** | **0.24 (0.07, 0.84)** | 1.34 (0.77, 2.34) | 0.48 (0.18, 1.31) |

a Values are regression coefficients.

b Values are odds ratios

Variables included in the model: age, sex, participation in *Hogares Comunitarios* (home-based health care) mother’s marital status, mother’s age, mother’s education, mother’s BMI, household income, level of urbanization, inhabitants and region.

**Table S3 Difference- in- difference (DID) estimate of the effect of *Familias en Accion* (FA) conditional cash transfer programme on HAZ, stunting, BMI, thinness, overweight and obesity for total treatment group (including municipalities that received cash transfers before baseline assessment), Colombia**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|   | **HAZa** | **Stuntingb** | **BAZa** | **Thinnessb** | **Overweightb** | **Obesityb** |
|  | **β-Coefficient (95% CI)** | **Odds ratio (95% CI)** | **β-Coefficient (95% CI)** | **Odds ratio (95% CI)** | **Odds ratio (95% CI)** | **Odds ratio (95% CI)** |
| **Treatment group** | -0.00 (-0.20, 0.20) | 0.94 (0.73, 1.22) | 0.01 (0.08, -0.15) | 3.52 (1.16, 10.65) | 0.99 (0.66, 1.49) | 2.37 (1.20, 4.67) |
| **Time dummy** | **0.14 (0.10, 0.18)** | **0.75 (0.69, 0.80)** | -0.29 (-0.39, 0.20) | 2.2 7 (0.98, 5.28) | **0.51 (0.39, 0.64)** | 0.82 (0.40, 1.70) |
| **DID Estimate (Treatment\* time dummy)** | 0.03 (-0.03, 0.09) | 0.89 (0.79, 1.00) | 0.03 (-0.09, 0.15) | 0.35 (0.12, 1.02) | 1.02 (0.70, 1.50) | 0.47 (0.19, 1.13) |

a Values are regression coefficients.

b Values are odds ratios

Variables included in the model: age, sex, participation in *Hogares Comunitarios* (home-based health care) mother’s marital status, mother’s age, mother’s education, mother’s BMI, household income, level of urbanization, inhabitants and region.

**Table S4 Cohen´s d of the effect of FA programme on BMI z-score and Height for age z-score**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Control** | **Treatment** | **Effect size (d)** |
|  | **Pre-treatment** | **Post-treatment** | **Pre-treatment** | **Post-treatment** |
| **HAZ** | -1.42 (1.1) | -1.17 (1.0) | -1.47 (1.2) | -1.20 (1.0) | 0.18 |
| **BMI z-score** | 0.25 (0.9) | -0.12 (0.8) | 0.20 (1.0) | -0.03 (0.9) | 0.17 |

**Figure S1 Test of the common trend assumption in infant mortality rate and low birthweight before treatment enrolment (1997-2001), Colombia**

