**Figure S1** Sample size flowchart referring to Table 1.

**PNDS 2006**
(4,817 children and 3,941 households)

- Children
  - Maternal race/skin color
    - Final sample excluding missing data = 4,759
  - Maternal education
    - Final sample excluding missing data = 4,789

- Household
  - Brazilian Income Transfer Program
    - Final sample excluding missing data = 3,938
  - General sewage network
    - Final sample excluding missing data = 3,917
  - Piped water
    - Final sample excluding missing data = 3,940
  - Internet access
    - Final sample excluding missing data = 3,739

**ENANI-2019**
(14,558 children and 12,524 households)
There was no sample loss
Figure S2  Sample size flowchart referring to Table 2.

2a) PNDS 2006

- PNDS 2006 (4,817 children)
  - Children 0-59 months of age (4,817 children)
    - Anemia
      - Final sample excluding missing data = 3,452 children
    - Vitamin A deficiency
      - Final sample excluding missing data = 3,496 children
    - Stunting (Z < -2)
      - Final sample excluding scores with missing or implausible values, with cut-off points of -6 and 6 = 4,408 children
    - Excessive weight (BMI, Z > 2)
      - Final sample excluding scores with missing or implausible values, with cut-off points of -5 and 5 = 4,374 children
  - Children < 6 months of age (495 children)
    - Exclusive breastfeeding among children < 6 months
      - Final sample = 495 children
  - Children 12-23 months of age (921 children)
    - Continued breastfeeding among children 12-23 months
      - Final sample = 921 children
ENANI-2019
(14,558 children)

Complete database
(14,558 children)

Children 0-59 months of age
(14,558 children)

Stunting (Z < -2)
Final sample excluding children who had a syndrome that prevented measurement = 14,553 children

Excessive weight
(BMI, Z > 2)
Final sample excluding children who had a syndrome that prevented measurement and premature children < 454 days of age from conception = 14,553 children

Children < 183 days of age
(1,968 children)

Exclusive breastfeeding among children < 6 months
Final sample = 1,968 children

Children ≥ 365 and < 730 days of age (2,947 children)

Continued breastfeeding among children 12-23 months
Final sample = 2,947 children

Children ≥ 183 and < 1,826 days of age (12,590 children)

MDD, consumption of ultra-processed foods; no consumption of fruit or vegetables; Consumption of meat or eggs
Final sample = 12,590 children

Group 12 *
(8,187 children)

Children 6-59 months of age (8,187 children)

Anemia
Final sample = 8,187 children

Group 17 **
(8,393 children)

Children 6-59 months of age (8,393 children)

Vitamin A deficiency
Final sample = 8,393 children

* Children with data for hemoglobin.
** Children with data for serum retinol.