

APPENDIX 4

DEFINITIONS OF THE INDICATORS

Indicator	Numerator	Denominator
1.1 BCG coverage	Number 12–23-month-olds receiving BCG vaccine before 1st birthday ¹	Total number of 12–23-month-olds surveyed
1.2 DPT coverage	Number 12–23-month-olds receiving DPT3 vaccine before 1st birthday ²	Total number of 12–23-month-olds surveyed
1.3 OPV coverage	Number 12–23-month-olds receiving OPV3 vaccine before 1st birthday	Total number of 12–23-month-olds surveyed
1.4 Measles coverage	Number 12–23-month-olds receiving measles vaccine before 1st birthday	Total number of 12–23-month-olds surveyed
1.6 Tetanus toxoid (TT) vaccine coverage	Number of mothers of 0–11-month-olds with at least two doses of TT within 3 years of child's birth ³	Total number of mothers of under-one-year-olds surveyed
5.1 Vitamin A Supplementation Programme	Number of under-twos receiving supplement with correct timing of last dose	Total number of under-twos surveyed
5.1 Vitamin A Fortification Programme	Number of children under 2 with fortified food product in home AND who received the food in last week	Total number of under-twos surveyed

¹For “valid” vaccine coverage, only children with immunization dates for BCG, DPT3, OPV3 or Measles occurring before the first birthday and verified by card are included in the numerator. “Valid” coverage cannot be obtained if the Alternative Immunization Module is used. For “card only” coverage, the number of 12–23-month-olds receiving BCG, DPT3, OPV3 or Measles vaccine by the time of the survey (verified by a card entry) are included in the numerator. For “card + history” coverage, number of 12–23-month-olds vaccinated with BCG, DPT3, OPV3 or measles vaccine, either entered on the card or reported by the mother, are included in the numerator; the denominator for “card + history” coverage excludes those children whose mothers answered “don’t know” to the questions.

²If the Alternative Immunization Module is used, this is the number of children receiving at least three DPT (or three OPV) immunizations reported by the mother. All 12–23-month-old children form the denominators, but exclude children whose mothers reply “don’t know” to the questions.

³ Numerator is all mothers of under-ones with at least two TT doses during last pregnancy OR with last dose within appropriate interval for number of reported doses in lifetime.

Indicator	Numerator	Denominator
5.1 Vitamin A Dietary Education Programme	Number of under-twos whose mothers have heard programme message AND give "correct" response to foods that message promotes (knowledge); and Number of under-twos whose mothers have heard programme message AND who received the food in the last week (practice)	Total number of under-twos surveyed
6.1 Salt iodization	Number of households with salt testing positive for iodine/iodate	Total number of households surveyed ⁴
7.1 ORT use (pre-1993 definition)	Number of diarrhoea cases among under-fives in 2 weeks before survey who received ORT and/or recommended home fluids ⁵	Total number of diarrhoea cases ⁶ among under-fives in two weeks preceding survey
7.2 ORT use (increased fluids and continued feeding)	Number of diarrhoea cases among under-fives taking "more" fluids ⁷ AND continued eating somewhat less, the same or more food	Total number of diarrhoea cases ⁸ among under-fives in two weeks preceding survey
11.1, 11.2 Nutritional status: weight-for-age	Number of under-fives who fall below -2 standard deviations from the median weight-for-age of the NCHS/WHO standard; number who fall below -3 SDs	Total number of under-fives ⁹ weighed
11.3, 11.4 (OPTIONAL) Nutritional status: height-for-age	Number of under-fives who fall below -2 standard deviations from the median height-for-age of the NCHS/WHO standard; number who fall below -3 SDs	Total number of under-fives ¹⁰ measured

⁴If a household has salt, but it is not tested (Q.1 = 9), these households are omitted from the denominator.

⁵Q.2A, B, C, D, E, F = 1. That is, Q. 2G, 2H, 2I NOT equal to 1 or 9.

⁶If Q. 1 = 9 (don't know if child has had diarrhoea in past two weeks), the child is omitted from the calculation.

⁷"More" fluids here refers to ANY fluid noted in Q.2, whether or not it is classified as "recommended fluid."

⁸See footnote 6.

⁹Children with out-of-range weights-for-age are omitted from calculations.

¹⁰Children with out-of-range heights-for-age are omitted from calculations.

Indicator	Numerator	Denominator
12.1 Education: retention rates to grade 5	Proportion of children entering first grade of primary school who eventually reach grade 5 ¹¹	All children still enrolled in primary school who attended school during previous year ¹²
12.2 Education: net enrollment rate	Number of children currently enrolled in primary school of primary-school age ¹³	Total number of children of primary-school age surveyed
12.3 Education: primary-school entry rate	Number of children of school-entry age who are currently attending grade 1 ¹⁴	Total number of children of school-entry age surveyed
12.4 Education: gross enrollment rate	Number of under-15s currently enrolled in primary school ¹⁵	Total number of children of primary-school age surveyed
13.1 Water supply	Number of household residents ¹⁶ in defined “safe and convenient” categories	Total number of household residents ¹⁷ surveyed
13.2 Sanitation	Number of household residents in defined “safe and convenient” categories ¹⁸	Total number of household residents ¹⁹ surveyed
OPTIONAL Indicator: Exclusive Breastfeeding	Number of infants less than 4 months of age exclusively breastfed ²⁰	Total number of infants 0–3 months of age surveyed

¹¹The EPI INFO program uses Q.4 and Q.5 to calculate transition probabilities for the cohort of children in the sample to estimate this indicator. See programs accompanying this handbook.

¹²Please see footnote 11.

¹³Select children in primary school age range; Education Module Q.2= 1.

¹⁴Select children of primary school entry age; Education Module Q.2=1 and Q.3 Grade=1, Level=1.

¹⁵Number of under-15-year-olds with Q.2 =1 and Q.3 Level =1.

¹⁶ This indicator is obtained by weighting number of households in this category by the number of residents in the household.

¹⁷To express this indicator in absolute numbers, the proportion of the sample population with “safe and convenient” water supply must be multiplied by the total population size. Households with missing data for this indicator are omitted from calculation.

¹⁸See footnote 16.

¹⁹See footnote 17.

²⁰Numbers still breastfed (Q.2 = 1) and no other food given (Q.3H = 1).

Indicator	Numerator	Denominator
OPTIONAL Indicator: Timely complementary feeding	Number of children receiving breast milk and complementary foods ²¹	Total number of infants 6–9 months old surveyed
OPTIONAL Indicator: Continued breastfeeding at 1 year, 2 years	Number infants 12–15 months, 20–23 months still breastfeeding ²²	Total number of 12–15-month-olds, 20–23-month-olds surveyed
OPTIONAL Indicator: Bottle-feeding rate	Number of infants less than 12 months old receiving any food or drink from a bottle ²³	Total number of under-ones surveyed
OPTIONAL Indicator: Ever breastfed rate	Number of infants less than 12 months old ever breastfed ²⁴	Total number of under-ones surveyed
OPTIONAL Indicator: Control of Acute Respiratory Infections	Number of mothers of under-fives who know signs of ARI ²⁵	Total number of mothers of under-fives surveyed

²¹Numbers still breastfed (Q.2 = 1) and complementary foods given last 24 hours (Q.3G =1), even if also given other breast milk substitutes.

²²Numbers still breastfeeding (Q.2 = 1).

²³Q.4 = 1.

²⁴Q.1 = 1.

²⁵Mothers answering CARI Module, Q.1 = 4 or 5, irrespective of other answers.