# RADAR coverage indicator sheets

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# INTRODUCTION

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| General notes on analysis and indicator calculation |
| **Data processing:**   * + User should remove all incomplete records before beginning analysis.   + Unknown/missing response.     - Missing and “don’t know”/unknown responses are treated with the same protocol.     - Report on proportion missing/unknown for each indicator.     - Interpret the indicator with caution/consider imputation strategies when the proportion of missing/unknown is >10% for an indicator.     - Remove the missing/unknown responses from the numerator and denominator (using the subpop command) when reporting on the final indicators.   **Subnational estimates:**   * When reporting subnational estimates, do not report estimate if less than 25 respondents.   **Applying the survey design:**   * Use STATA svyset for all analysis (two stage clustering only, ignores women and children clustering) * Set svy design: svyset cluster [pw=sw], strata(strata) singleunit(centered)   + singleunit(centered) specifies that strata with one sampling unit are centered at the grand mean instead of the stratum mean.   **Calculating women and child age:**   * Year of birth/age in years for women and children will be a required field. * Imputing month of birth (MOB): Determine the distribution of MOB for every year among those with known MOB. Randomly assign a birth month based on that distribution to child records with unknown MOB for each year of birth. * Calculate child age in months by subtracting the century month code (CMC) for the date of interview from the birth date.   **Reporting:**   * Always report the weighted proportion and sample size. * Always report the standard error/95% confidence intervals applying the clustering and strata (if applicable). |

# FERTILITY

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| Age at first birth | |
| Percentage of women within a specific age group category who had a first birth by specific exact ages | |
| **Numerator:** | Number of women within a specific age group category (e.g. 15-19, 20-24, 20-49, 15-49, etc.) who had first birth by specific exact ages (15, 18, 20, 22, 25). |
| **Denominator:** | Number of all women within a specific age group category, irrespective of marital status or whether they ever had a birth. |
| **Questionnaire number:** | **Numerator**:  **WI1.** *In what month and what year were you born?*  **FE2.** *What was the month and year of your first birth?*  *I mean the first time you gave birth, even if the child is no longer alive, is no longer living with you, or whose father is not your current spouse/partner.* |
| **Denominator**:  **WI1.** *In what month and what year were you born?* |
| **Notes:**   * The numerator includes women who had first birth before earlier specific ages, e.g. the number of women who gave birth before age 18 includes those who gave birth before age 17, 16, 15 and earlier. * Numerators for each exact age category are divided by the denominator comprised of all women within the specific age group category and multiplied by 100. * Age at first birth is the difference between the birth date of the first-born child and birth date of the woman (in CMC format) grouped into categories of age at first birth in years. * Median age at first birth is calculated from cumulated single year of age percent distributions of age at first birth; the percent distributions of age at first birth being calculated from numerators for each single age group category divided by the overall denominator and multiplied by 100. The median is linearly interpolated between the age values by which 50 percent or more of the women had a first birth. | |
| **References:** Croft, Trevor N., Aileen M. J. Marshall, Courtney K. Allen, et al. 2018. Guide to DHS Statistics. Rockville, Maryland, USA: ICF | |

# SEXUAL BEHAVIOR & HEALTH

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| Never married adolescent girls/boys who have ever had sex | |
| Percentage of women (or men) ages 15-19 who have never been married and ever engaged in sexual intercourse | |
| **Numerator:** | Number of never married women (or men) aged 15-19 who ever engaged in sexual intercourse |
| **Denominator:** | Total number of never married women (or men) age 15-19 |
| **Questionnaire number:** | **Numerator**:  ***WOMEN***  **FP5.** *How old were you when you had sexual intercourse for the very first time?*  ***MEN***  **MFP5.** *How old were you when you had sexual intercourse for the very first time?* |
| **Denominator**:  ***WOMEN***  **WI1.** *In what month and what year were you born?*  **FP1.** *Are you currently married or living together with a man as if married?*  **FP2.** *Have you been married or lived with a man only once or more than once?*  ***MEN***  **MI1.** *In what month and what year were you born?*  **MFP1.** *Are you currently married or living together with a woman as if married?*  **MFP2.** *Have you been married or lived with a woman only once or more than once?* |
| **Notes:**   * This indicator can be calculated for either adolescent girls or adolescent boys or both. * The age to determine adolescents can vary according to the country, interventions or study specific definition; 15-19 and 15-24 being typically used to define adolescent age category. | |
| **References:**  https://www.measureevaluation.org/prh/rh\_indicators | |

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| Age at first intercourse | |
| Percentage of women (or men) age 15-49 (age range may vary by survey) who had first sexual intercourse before specific exact ages (15 typically used) | |
| **Numerator:** | Number of women (or men) age 15-49 who had their first sexual intercourse before the age of 15 |
| **Denominator:** | Total number of women (or men) age 15-49 |
| **Questionnaire number:** | **Numerator**:  ***WOMEN***  **WI1.** *In what month and what year were you born?*  **FP5.** *How old were you when you had sexual intercourse for the very first time?*  ***MEN***  **MI1.** *In what month and what year were you born?*  **MFP5.** *How old were you when you had sexual intercourse for the very first time?* |
| **Denominator**:  ***WOMEN***  **WI1.** *In what month and what year were you born?*  ***MEN***  **MI1.** *In what month and what year were you born?* |
| **Notes:**   * Age at first sexual intercourse: Reported by woman or man as age in completed years or when they first had sex. This age is imputed for those who reported the age at first sex was the same as their age at first union. * The denominator includes women (or men) of all marital statuses. * Women or men with unknown and missing ages at first sexual intercourse are excluded from the numerators but included in the denominator. * This indicator can be calculated for adolescent girls or boys (15-19 or 19-24) only depending on survey objectives. | |
| **References:**  Croft, Trevor N., Aileen M. J. Marshall, Courtney K. Allen, et al. 2018. Guide to DHS Statistics. Rockville, Maryland, USA: ICF | |

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| Sexually active adolescent girls/boys in past year | |
| Percentage of women (or men) ages 15-19 who have had sex in the last 12 months | |
| **Numerator:** | Number of women (or men) aged 15-19 who have had sex in the last 12 months |
| **Denominator:** | Total number of women (or men) age 15-19 |
| **Questionnaire number:** | **Numerator**:  ***WOMEN***  **FP7.** *I would like to ask you about your recent sexual activity. When was the last time you had sexual intercourse?*  ***MEN***  **MFP6.** *I would like to ask you about your recent sexual activity. When was the last time you had sexual intercourse?* |
| **Denominator**:  ***WOMEN***  **WI1.** *In what month and what year were you born?*  ***MEN***  **MI1.** *In what month and what year were you born?* |
| **Notes:**   * This indicator can be calculated for either adolescent girls or adolescent boys or both. * The age to determine adolescents can vary according to the country, interventions, or study specific definition; 15-19 and 15-24 being typically used to define adolescent age category. | |
| **References:** | |

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| Condom used by unmarried sexually active adolescent girls/boys at last sex | |
| Percentage of women (or men) ages 15-19 who are unmarried/not in union and reported a condom was used the last time they had sex in the last 12 months | |
| **Numerator:** | Number of women (or men) ages 15-19 who are unmarried/not in union and reported they had sex in the last 12 months and used a condom the last time they had sex |
| **Denominator:** | Number of women (or men) ages 15-19 who are unmarried/not in union and reported they had sex in the last 12 months |
| **Questionnaire number:** | **Numerator**:  ***WOMEN***  **FP8.** *The last time you had sexual intercourse, was a condom used?*  ***MEN***  **MFP7***. The last time you had sex did you or your partner use any method to avoid or prevent a pregnancy?*  **MFP8***. What method did you or your partner use?* |
| **Denominator**:  ***WOMEN***  **WI1.** *In what month and what year were you born?*  **FP1.** *Are you currently married or living together with a man as if married?*  **FP7.** *I would like to ask you about your recent sexual activity. When was the last time you had sexual intercourse?*  ***MEN***  **MI1***. In what month and what year were you born?*  **MFP1.** *Are you currently married or living together with a woman as if married?*  **MFP6***. I would like to ask you about your recent sexual activity. When was the last time you had sexual intercourse?* |
| **Notes:**  This indicator can be calculated for either adolescent girls or adolescent boys or both.  The age to determine adolescents can vary according to the country, interventions or study specific definition; 15-19 and 15-24 being typically used to define adolescent age category. | |
| **References:** | |

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| Decision-making on condom use by sexually active adolescent girls/boys at last sex | |
| Percentage of women (or men) ages 15-19 who are who mainly made decision about condom use the last time they had sex in the last 12 months | |
| **Numerator:** | Number of sexually active women (or men) ages 15-19 who reported to mainly make decisions about condom use the last time they had sex in the last 12 months |
| **Denominator:** | Number of sexually active women (or men) ages 15-19 reported they had sex in the last 12 months |
| **Questionnaire number:** | **Numerator**:  ***WOMEN***  **FP9.** *Would you say that using the condom is mainly your decision, mainly your (husband’s/partner’s) decision, or did you both decide together?* |
| ***MEN***  **MFP12.** *You said that a condom was used the last time you had sexual intercourse. Would you say that using the condom is mainly your decision, mainly your (wife’s/partner’s) decision, or did you both decide together?*  **Denominator**:  ***WOMEN***  **WI1.** *In what month and what year were you born?*  **FP7.** *I would like to ask you about your recent sexual activity. When was the last time you had sexual intercourse?*  **FP8.** *The last time you had sexual intercourse, was a condom used?*  ***MEN***  **MI1***. In what month and what year were you born?*  **MFP6***. I would like to ask you about your recent sexual activity. When was the last time you had sexual intercourse?*  **MFP7***. The last time you had sex did you or your partner use any method to avoid or prevent a pregnancy?*  **MFP8***. What method did you or your partner use?* |
| **Notes:**   * Women/men are 'mainly' considered to have control over decisions about condom use if they participate in decisions alone or jointly with someone else. (FP9/MFP12= 1 or 3) * This indicator can be calculated for either adolescent girls or adolescent boys or both. * The age to determine adolescents can vary according to the country, interventions. or study specific definition; 15-19 and 15-24 being typically used to define adolescent age category. | |
| **References:** | |

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| HIV test in the last 12 months and results known by women/men | |
| Percentage of women (men) age 15-49 who have been tested for HIV in the past 12 months and received the results of the last test. | |
| **Numerator:** | Number of women (men) age 15-49 who have been tested for HIV in the past 12 months and received the results of the last test. |
| **Denominator:** | Total number of women (men) age 15-49 |
| **Questionnaire number:** | **Numerator**:  ***WOMEN***  **HI2.** *I don’t want to know the results, but have you ever been tested for the AIDS virus?*  **HI3.** *How many months ago was your most recent AIDS virus test?*  **HI4.** *I don’t want to know the results, but did you get the results of the test?*  ***MEN***  **M****HI2.** *I don’t want to know the results, but have you ever been tested for the AIDS virus?*  **MHI3.** *How many months ago was your most recent AIDS virus test?*  **MHI4.** *I don’t want to know the results, but did you get the results of the test?* |
| **Denominator**:  ***WOMEN***  All respondents  ***MEN***  All respondents |
| **Notes:** | |
| **References:** | |

# FAMILY PLANNING

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| Demand for family planning satisfied | |
| Percentage of women aged 15-49, either married or in union, who have their need for family planning satisfied | |
| **Numerator:** | Number of women 15-49 years that are currently married or in union that are fecund and want to space their births or limit the number of children they have and that are currently using contraception. |
| **Denominator:** | Total number of women 15-49 years that are currently married or in union that are fecund and want to space their births or limit the number of children they have. |
| **Questionnaire number:** | **Numerator**:  Using contraception: **FP16.** *Are you or your partner currently doing something or using any method to delay or avoid getting pregnant?* |
| **Denominator**:  Married/Union: **FP1.** *Are you currently married or living together with a man as if married?*  Pregnant: **FP12*.*** *Are you pregnant now?*  Amenorrheic - **FP24**. *Has your menstrual period returned since the birth of (NAME)? Asked only of women for a live birth in the previous two years.*  Infecund: **FP15.** *When did your last menstrual period start?*  **FP26.** *How long would you like to wait from now before the birth of (a/another) child?*  **FP3.** *Now I would like to ask about your (first) (husband/partner). In what month and year did you start living with him?)*  **FP16.** *Are you or your partner currently doing something or using any method to delay or avoid getting pregnant?*  **FP12.** *Are you pregnant now?*  **FE1**. *Have you ever given birth?*  **FE3.** *What was the month and year of your most recent birth?*  Desire for birth spacing: **FP25.** *Now I have some questions about the future.**Would you like to have (a/another) child, or would you prefer not to have any (more) children?*   * + **FP26.** *How long would you like to wait from now before the birth of (a/another) child?* |
| **Notes:**   * Pregnant: **FP12*.*** *Are you pregnant now?* * Amenorrheic - Defined as having a birth in previous two years but menses has not returned **FP24**. *Has your menstrual period returned since the birth of (NAME)? Asked only of women for a live birth in the previous two years.* * Infecund: The woman is considered infecund for the following reasons. If she is infecund, she is removed from the numerator and denominator.   + The woman is not pregnant/amenorrheic and reported her last menses six months prior to the survey. **FP15.** *When did your last menstrual period start?*   + The woman reports being menopausal/ having a hysterectomy. **FP15. 994.** *IN MENOPAUSE/ HAS HAD HYSTERECTOMY*.   + The woman has never menstruated. **FP15. 996.** NEVER MENSTRUATED.   + The woman reports “she can’t get pregnant”. **FP26. 994.** *SAYS SHE CAN'T GET PREGNANT*.   + The woman was first married five or more years ago (**FP3.** *Now I would like to ask about your (first) (husband/partner). In what month and year did you start living with him?),* says she is not using contraception (**FP16**), not pregnant (**FP12)** and has no births in the previous five years (**FE1**. *Have you ever given birth?;* **FE3.** *What was the month and year of your most recent birth?*). * Unmet need*:* The women has unmet need for family planning if:   + She is not pregnant/amenorrheic, not currently using contraceptives and does not want to become pregnant/doesn’t know if she wants to limit births (**FP25.** *Now I have some questions about the future. Would you like to have (a/another) child, or would you prefer not to have any (more) children?)* or she wants to wait two or more years before pregnancy or doesn’t know how long she wants to wait (**FP26.** *How long would you like to wait from now before the birth of (a/another) child?*)   + She is currently pregnant but did not want the pregnancy. **FP13**. *When you got pregnant, did you want to get pregnant at that time?*   + She is currently amenorrheic but did not want the most recent pregnancy and is not using contraceptives. **FP22**. *When you got pregnant with (NAME), did you want to get pregnant at that time?* * Need: Women who (1) in a marriage/union and using contraception or (2) in a marriage/union with unmet need for contraception. * Family planning satisfied: Women who are using contraception with reported need. | |
| **References:** United Nations, Department of Economic and Social Affairs, Population Division (2014).*World Contraceptive Use 2014* (POP/DB/CP/Rev2014).  Bradley, Sarah E.K., Trevor N. Croft, Joy D. Fishel, and Charles F. Westoff. 2012. *Revising Unmet Need for Family Planning*. DHS Analytical Studies No. 25. Calverton, Maryland, USA: ICF International. | |

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| Current use of contraceptive methods (A. Any method or B. Modern method) | |
| A. Any method: Percentage of women aged 15-49 years currently married or in union who are using (or whose partner is using) any (modern or traditional) contraceptive method.  B. Modern method: Percentage of women aged 15-49 years currently married or in union who are using (or whose partner is using) a modern contraceptive method. | |
| **Numerator:** | A. Any method: Number of women aged 15-49 years currently married or in union who are using (or whose partner is using) a (modern or traditional) contraceptive method.  B. Modern method: Number of women aged 15-49 years currently married or in union who are using (or whose partner is using) a modern contraceptive method. |
| **Denominator:** | Total number of women 15-49 years who are currently married or in union. |
| **Questionnaire number:** | **Numerator** - A. Any method:  **FP16.** *Are you or partner currently doing something or using any method to delay or avoid getting pregnant?*  **Numerator** - B. modern method:  **FP16.** *Are you or partner currently doing something or using any method to delay or avoid getting pregnant?*  **FP18.** *What are you doing to delay or avoid a pregnancy?* |
| **Denominator**:  **FP1**: *Are you currently married or living together with a man as if married?* |
| **Notes:**   * Modern methods refer to the following: female sterilization (tubal ligation, voluntary surgical contraception for women), male sterilization (vasectomy, voluntary surgical contraception for men), intrauterine contraceptive device (IUD), injectables, implants, oral contraceptive pill, male condom, female condom, diaphragm, contraceptive foam/jelly, lactational amenorrhea method (LAM) * Include as modern methods other country-specific modern methods and respondent mentioned other modern contraceptive methods (including cervical cap, contraceptive sponge, and others) * Do NOT include abortions and menstrual regulation as modern methods. * This indicator can also be calculated for sexually active women, sexually active unmarried women or for all women | |
| **References:** | |

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| Decision-making for using contraception | |
| Percentage of women (or men) currently married/in union who mainly make decisions about contraception use | |
| **Numerator:** | Number of women (or men) ages 15-49 currently married or in union who mainly make decisions about contraception use |
| **Denominator:** | Number of women (or men) ages 15-49 currently married or in union |
| **Questionnaire number:** | **Numerator**:  ***WOMEN***  **FP19.** *Would you say that using contraception is mainly your decision, mainly your (husband’s/partner’s) decision, or did you both decide together?*  ***MEN***  **MFP10.** *Would you say that using contraception is mainly your decision, mainly your (wife’s/partner’s) decision, or did you both decide together?* |
| **Denominator**:  ***WOMEN***  **FP1**: *Are you currently married or living together with a man as if married?*  **FP16.** *Are you or partner currently doing something or using any method to delay or avoid getting pregnant?*  ***MEN***  **MFP1:** *Are you currently married or living together with a woman as if married?*  **MFP7:** *The last time you had sex did you or your partner use any method to avoid or prevent a pregnancy?* |
| **Notes:**   * Women are 'mainly' considered to have control over decisions about contraception use if they participate in decisions alone or jointly with someone else. (FP9 = 1 or 3) * Men are 'mainly' considered to have control over decisions about contraception use if they participate in decisions alone or jointly with someone else. (MFP10 = 1 or 3) * This indicator can also be calculated for sexually active women (men), sexually active unmarried women (men) or for all women (men) | |
| **References:** | |

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| Family planning discussed with a fieldworker or at health facility | |
| Percentage of women (or men) age 15-49 who discussed family planning with a fieldworker or at a health facility in the last 12 months | |
| **Numerator:** | Number of women (or men) age 15-49 who discussed family planning with a fieldworker or at a health facility in the last 12 months |
| **Denominator:** | Total number of women (or men) age 15-49 |
| **Questionnaire number:** | **Numerator**:  ***WOMEN***  **FP27.** *In the last 12 months, were you visited by a fieldworker?*  **FP28.** *Did the fieldworker talk to you about family planning?*  **FP29a.** *In the last 12 months, have you visited a health facility for care for yourself, for your husband/partner, for your child, or both yourself and/or your husband/partner or children?*  **FP29b.** *In the last 12 months, when you sought care at a health facility, did any staff member speak to you about family planning methods or sexual and reproductive health?*  ***MEN***  **MFP15.** *In the last 12 months, were you visited by a fieldworker?*  **MFP16.** *Did the fieldworker talk to you about family planning?*  **MFP17.** *In the last 12 months, have you visited a health facility for care for yourself, for your husband/partner, for your child, or both yourself and/or your husband/partner or children?*  **MFP18.** *In the last 12 months, when you sought care at a health facility, did any staff member speak to you about family planning methods or sexual and reproductive health?* |
| **Denominator**:  All respondents |
| **Notes:**   * The denominator includes women (or men) of all marital statuses. | |
| **References:** | |

# ANTENATAL CARE

|  |  |
| --- | --- |
| Antenatal care (at least one visit from a skilled provider) | |
| Percent of women attended at least one time during pregnancy by a skilled provider for reasons related to the pregnancy. | |
| **Numerator:** | Number of women 15-49 years of age with a live birth in the 2 years prior to the survey attended at least one time during pregnancy by a skilled provider for reasons related to the pregnancy |
| **Denominator:** | Total number of women aged 15-49 years surveyed with a live birth in the 2 years prior to the survey |
| **Questionnaire number:** | **Numerator**:  **CB1.** *While you were pregnant with (NAME), did you see anyone for antenatal care?*  **CB1b**. *Whom did you see?* |
| **Denominator**:  **FE3**: *What was the month and year of your most recent birth?* |
| **Notes:**   * Women who reported at least one ANC visit with a skilled provider. * Denominator refers to the most recent live birth <24 month prior to the survey. | |
| **References:** | |

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| Antenatal care (four or more visits) | |
| Percent of women attended at least four times during pregnancy by any provider for reasons related to the pregnancy. | |
| **Numerator:** | Number of women 15-49 years of age with a live birth in the 2 years prior to the survey attended at least four times during pregnancy by any provider for reasons related to the pregnancy |
| **Denominator:** | Total number of women aged 15-49 years surveyed with a live birth in the 2 years prior to the survey |
| **Questionnaire number:** | **Numerator**:  **CB1.** *While you were pregnant with (NAME), did you see anyone for antenatal care?*  **CB3**. *How many times did you receive antenatal care when you were pregnant with (NAME)?* |
| **Denominator**:  **FE3**: *What was the month and year of your most recent birth?* |
| **Notes:**   * Women who reported at least four ANC visits with any type of provider. * Denominator refers to the most recent live birth <24 month prior to the survey. | |
| **References:** | |

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| Intermittent preventive treatment for malaria during pregnancy (IPTp) | |
| Percent of women who received three or more doses of SP/Fansidar, at least one of which was received during an ANC visit, to prevent malaria during their last pregnancy that led to a live birth in the last 2 years. | |
| **Numerator:** | Number of women 15-49 years of age who received three or more doses of SP/Fansidar, at least one of which was received during an ANC visit, to prevent malaria during their last pregnancy that led to a live birth in the last 2 years. |
| **Denominator:** | Total number of women aged 15-49 years surveyed with a live birth in the 2 years prior to the survey |
| **Questionnaire number:** | **Numerator**:  **CB1.** *While you were pregnant with (NAME), did you see anyone for antenatal care?*  **CB4.** *During (any of) your antenatal visit(s) for the pregnancy with (NAME), did you take any medicine in order to prevent you from getting malaria?*  **CB5.** *Which medicines did you take to prevent malaria?*  **CB6.** *During your pregnancy with (NAME), how many times did you take SP/ Fansidar in total?*  **CB6a.** Did you get the SP/Fansidar during any antenatal care visit, during another visit to a health facility or from another source? |
| **Denominator**:  **FE3**: *What was the month and year of your most recent birth?* |
| **Notes:**   * Women who reported at least three or more doses of SP/Fansidar, with at least one of which received during an ANC visit. * Denominator refers to the most recent live birth <24 month prior to the survey. | |
| **References:** | |

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| Iron/folic acid supplementation | |
| Percent of women who received iron folic acid supplementation for 90 or more days during their last pregnancy that led to a live birth in the last 2 years. | |
| **Numerator:** | Number of women 15-49 years of age who received iron folic acid supplementation for 90 or more days during their last pregnancy that led to a live birth in the last 2 years |
| **Denominator:** | Total number of women aged 15-49 years surveyed with a live birth in the 2 years prior to the survey |
| **Questionnaire number:** | **Numerator**:  **CB13.** *While you were pregnant with (NAME), were you given or did you buy any iron tablets or syrup?*  *Show iron tablets or syrup to respondent*  **CB14.** *During the whole pregnancy, for how many days did you take the iron tablets?*  *If answer is not numeric, probe for approximate number of days.* |
| **Denominator**:  **FE3**: *What was the month and year of your most recent birth?* |
| **Notes:**   * Denominator refers to the most recent live birth <24 month prior to the survey. | |
| **References:** | |

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| Tetanus toxoid vaccine for pregnant women | |
| Percent of women whose most recent live birth was protected against neonatal tetanus | |
| **Numerator:** | Number of women 15-49 years of age whose last pregnancy that led to a live birth in the last 2 years was protected against neonatal tetanus1 |
| **Denominator:** | Total number of women aged 15-49 years surveyed with a live birth in the 2 years prior to the survey |
| **Questionnaire number:** | **Numerator**:  **CB7.** *When you were pregnant with (NAME) did you receive any injection in the arm to prevent him/her from getting tetanus, that is, convulsions after birth?*  **CB8.** *During this pregnancy, how many times did you receive this tetanus injection?*  **CB9.** *At any time before this pregnancy, did you receive any tetanus injections?*  **CB10.** *Before this pregnancy, how many times did you receive a tetanus injection?*  **CB11.** *In what month and year did you receive the last tetanus injection before this pregnancy?*  **CB12.** *How many years ago did you receive the last anti-tetanus injection before that last pregnancy?* |
| **Denominator**:  **FE3**: *What was the month and year of your most recent birth?* |
| **Notes:**  1 A birth is protected from tetanus infection if the pregnant woman:   * Received two doses of tetanus toxoid during this pregnancy **OR** * Received at least 2 doses of tetanus toxoid, the last within 3 years **OR** * Received at least 3 doses of tetanus toxoid, the last within 5 years **OR** * Received at least 4 doses of tetanus toxoid, the last within 10 years **OR** * Received at least 5 doses of tetanus toxoid during her lifetime   Denominator refers to the most recent live birth <24 month prior to the survey. | |
| **References:** | |

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| Content of antenatal care | |
| Percent of women receiving components of antenatal care  A) Among women who received antenatal care, the percentage who had their blood pressure measured  B) Among women who received antenatal care, the percentage who had a urine sample taken  C) Among women who received antenatal care, the percentage who had a blood sample taken | |
| **Numerator:** | A) Number of women 15-49 years of age who received antenatal care and had blood pressure measured during their last pregnancy that led to a live birth in the last 2 years  B) Number of women 15-49 years of age who received antenatal care and had a urine sample taken during their last pregnancy that led to a live birth in the last 2 years  C) Number of women 15-49 years of age who received antenatal care and had a blood sample taken during their last pregnancy that led to a live birth in the last 2 years |
| **Denominator:** | Total number of women aged 15-49 years surveyed with a live birth in the 2 years prior to the survey |
| **Questionnaire number:** | **Numerator**:  **CB3a.** *As part of your antenatal care during this pregnancy, were any of the following done at least once:*  *a) Was your blood pressure measured?*  *b) Did you give a urine sample?*  *c) Did you give a blood sample?* |
| **Denominator**:  **FE3**: *What was the month and year of your most recent birth?* |
| **Notes:**   * Denominator refers to the most recent live birth <24 month prior to the survey. | |
| **References:** | |

# CHILDBIRTH

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| Skilled attendant at birth | |
| Percentage of births attended by skilled health personnel | |
| **Numerator:** | Number of live births to women aged 15-49 years in the 2 years prior to the survey attended during delivery by a skilled health professional. |
| **Denominator:** | Total number of women aged 15-49 years surveyed with a live birth in the 2 years prior to the survey. |
| **Questionnaire number:** | **Numerator**:  **CB16.** *Who assisted with the delivery of (NAME)?* |
| **Denominator**:  **FE3**: *What was the month and year of your most recent birth?* |
| **Notes:**   * Woman reported doctor, nurse, midwife, auxiliary midwife and “Other health professional” assisted at delivery (**CB16**). “Skilled” definition is specific to the country context. * Review text in “Other” category response and classify whether the response is a “skilled attendant” based on country context (**CB16**, response code 16, 26, 96). * Denominator refers to the most recent live birth <24 month prior to the survey. | |
| **References:** | |

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| Institutional delivery | |
| Percentage of women who gave birth in a health facility | |
| **Numerator:** | Number of women aged 15-49 years who had their most recent live births in a public or private health facility in the 2 years prior to the survey. |
| **Denominator:** | Total number of women aged 15-49 years surveyed with a live birth in the 2 years prior to the survey. |
| **Questionnaire number:** | **Numerator**:  **CB15.** *Where did you give birth to (NAME)?* |
| **Denominator:**  **FE3:** *What was the month and year of your most recent birth?* |
| **Notes:**   * Woman reported birth took place at a formal public or private sector health facility (**CB15**). Generally, response option Fieldworker/CHW post is not considered an institutional delivery. * Review text in “Other” category response and classify whether the response is a “health facility” based on country context (**CB15**, response code 96). * Denominator refers to the most recent live birth <24 month prior to the survey. | |
| **References:** | |

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| Caesarean section rate | |
| Percentage of women who gave birth by cesarean section | |
| **Numerator:** | Number of women aged 15-49 years who had their most recent live birth by cesarean section in the 2 years prior to the survey. |
| **Denominator:** | Total number of women aged 15-49 years surveyed with a live birth in the 2 years prior to the survey. |
| **Questionnaire number:** | **Numerator**:  **CB17.** *Was (NAME) delivered by caesarean section? That is, did they cut your belly open to take the baby out?* |
| **Denominator:**  **FE3:** *What was the month and year of your most recent birth?* |
| **Notes:**   * Denominator refers to the most recent live birth <24 month prior to the survey. | |
| **References:** | |

# POSTNATAL CARE

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| Postnatal care for mothers | |
| Percentage of mothers who received postnatal care within two days of childbirth | |
| **Numerator:** | Number of women aged 15-49 years with a live birth in the 2 years prior to the survey who received postnatal care within 2 days of birth. |
| **Denominator:** | Total number of women aged 15-49 years with a live birth in the 2 years prior to the survey. |
| **Questionnaire number:** | **Numerator:**  **CB15***. Where did you give birth to (NAME)?*  **PN1**. *I would like to talk to you about checks on your health after delivery, for example, someone asking you questions about your health or examining you. Did anyone check on your health while you were still in the facility?*  **PN2**. *How long after delivery did the first check take place?*  **PN7**. *Now I want to talk to you about what happened after you left the facility. Did anyone check on your health after you left the facility?*  **PN8**. *How long after delivery did that check take place?*  **PN15**. *I would like to talk to you about checks on your health after delivery, for example, someone asking you questions about your health or examining you. Did anyone check on your health after you gave birth to (NAME)?*  **PN16**. *How long after delivery did the first check take place?* |
| **Denominator:**  **FE3:** *What was the month and year of your most recent birth?* |
| **Notes:**   * **PN1-14**: For births at a health facility. * **PN15-22**: For births outside health facility. * A. Facility delivery: Mother received health check before leaving the facility (**PN2**<2 days) or after she left the facility (**PN8**<2 days). * B. Non-facility delivery: Mother received health check after delivery (**PN16**<2 days). * The numerator includes both A and B as described above. * Denominator refers to the most recent live birth <24 month prior to the survey. | |
| **References:** | |

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| Postnatal care for babies | |
| Percentage of babies who received postnatal care within two days of birth | |
| **Numerator:** | Number of women 15-49 years of age with a live birth in the previous two years where the newborn received a postnatal care visit within two days of birth |
| **Denominator:** | Number of women 15-49 years of age with a live birth in the previous two years. |
| **Questionnaire number:** | **Numerator:**  **CB15**. *Where did you give birth to (NAME)?*  **PN4**. *Now I would like to talk to you about checks on (NAME)’s health after delivery – for example, someone examining (NAME), checking the cord, or seeing if (NAME) is OK. Did anyone check on (NAME)’s health while you were still in the facility?*  **PN5**. *How long after delivery was (NAME)’s health first checked?*  **PN11**. *I would like to talk to you about checks on (NAME)’s health after you left (FACILITY IN CB15). Did any health care provider or a traditional birth attendant check on (NAME)’s health in the two months after you left (FACILITY IN CB15)?*  **PN12**. *How many hours, days or weeks after the birth of (NAME) did that check take place?*  **PN19***. I would like to talk to you about checks on (NAME)’s health after delivery – for example, someone examining (NAME), checking the cord, or seeing if (NAME) is OK. In the two months after (NAME) was born, did any health care provider or a traditional birth attendant check on (NAME)'s health?*  **PN20**. *How many hours, days or weeks after the birth of (NAME) did the first check take place?* |
| **Denominator:**  **FE3:** *What was the month and year of your most recent birth?* |
| **Notes:**   * **PN1-14**: For births at a health facility. * **PN15-22**: For births outside health facility. * A. Facility delivery: Newborn received health check before leaving the facility (**PN5**<2 days) or after newborn left the facility (**PN12**<2 days). * B. Non-facility delivery: Newborn received health check after delivery (**PN20**<2 days). * The numerator includes both A and B as described above. * Denominator refers to the most recent live birth <24 month prior to the survey. | |
| **References:** | |

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| Thermal/newborn care | |
| Percentage of newborns who received positive care practices, including:  a) Newborns placed skin to skin on the mother’s chest after birth  d) Newborns with nothing (harmful) applied to the cord. | |
| **Numerator:** | Number of women 15-49 years of age with a live birth in the previous two years where:   1. the newborn was placed skin to skin on the mother’s chest immediately after birth; and 2. the newborn received no harmful cord applications (dry cord care or antiseptics only). |
| **Denominator:** | Number of women 15-49 years of age with a live birth in the previous two years. |
| **Questionnaire number:** | **Numerator**:  **CB20**. *Did someone place the baby on your chest, against your skin immediately after delivery?*  **CB21**. *Was the baby wrapped in a towel while lying against your chest or naked against your skin?*  **CB22.** *Was anything applied to the umbilical cord after it was cut?*  **CB23.** *What was applied?* |
| **Denominator:**  **FE3**: *What was the month and year of your most recent birth?* |
| **Notes:**   * A. Skin-to-skin: Newborn was placed on mother’s chest after birth (**CB20**) and should be naked on skin (**CB21**). * B. Harmful cord application is defined as (1) nothing applied to the cord; (2) or only alcohol and/or antiseptics applied (**CB23**). Review “Other” in CB23 to determine if they are alcohol/antiseptics. * Numerator includes A and B as described above. * Denominator refers to the most recent live birth <24 month prior to the survey. | |
| **References:** | |

# CHILD HEALTH (PREVENTATIVE)

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| Measles immunization coverage | |
| Percentage of children aged 12-23 months immunized with measles containing vaccine (MCV) | |
| **Numerator:** | Number of children 12-23 months who are immunized with measles containing vaccine |
| **Denominator:** | Total number of children aged 12-23 months surveyed |
| **Questionnaire number:** | **Numerator**:  **IM1**. *Is there a vaccination book for (NAME)?*  **IM2**. *Record information exactly as it appears on (NAME’s) vaccination book. Write ‘44’ in ‘day’ column if card shows that a vaccination was given, but no date is recorded. Record ‘00’ for day, month, and year if nothing is recorded for the vaccine.*  **IM4**. *Did (NAME) ever receive any vaccinations to prevent (HIM/HER) from getting diseases, including vaccinations received in a national immunization campaign?*  **IM7**. *A measles injection– that is, a shot in the arm at the age of* ***9*** *months or older - to prevent him/her from getting measles?* |
| **Denominator**:  **CI1**. *In what month and year was (*NAME*) born?* |
| **Notes:**   * A. Vaccine book seen by interview (IM1): Children who received MCV even if date is not indicated (**IM2**). * B. Vaccine book not available/not seen by interviewer (IM1): Caretaker reported that child has received vaccinations previously (**IM4**) and did receive the MCV (**IM7**). * The numerator includes children receiving MCV according to both A and B as described above. * Calculate child age in months by subtracting the century month code (CMC) for the date of interview from the birth date. * Include children with imputed month of birth in indicator. * Include children age is >=12 and <24 months. * Number of doses or timing for receiving the vaccine don’t matter. | |
| **References:** | |

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| DPT3 immunization coverage | |
| Percentage of children aged 12-23 months who received 3 doses of DPT vaccine | |
| **Numerator:** | Number of children 12-23 months receiving 3 doses of DPT vaccine |
| **Denominator:** | Total number of children aged 12-23 months surveyed |
| **Questionnaire number:** | **Numerator**:  **IM1**. *Is there a vaccination book for (NAME)?*  **IM2**. *Record information exactly as it appears on (NAME’s) vaccination book. Write ‘44’ in ‘day’ column if card shows that a vaccination was given, but no date is recorded. Record ‘00’ for day, month, and year if nothing is recorded for the vaccine.*  **IM4**. *Did (NAME) ever receive any vaccinations to prevent (HIM/HER) from getting diseases, including vaccinations received in a national immunization campaign?*  **IM5**. *A Pentavalent or DPT vaccination, that is, an injection given in the thigh or buttocks, sometimes at the same time as polio drops?*  **IM6**. *How many times did [NAME] receive a Pentavalent or DPT vaccine?* |
| **Denominator**:  **CI1**. *In what month and year was (*NAME*) born?* |
| **Notes:**   * DPT is included in the pentavalent vaccine in some settings. In these cases, ask about Penta3. * A. Vaccine book seen by interview (IM1): Children who received 3 doses of DPT even if date is not indicated (**IM2**). * B. Vaccine book not available/not seen by interviewer (IM1): Caretaker reported that child has received vaccinations previously (**IM4**), received at least three doses of DPT (**IM5-6**). * The numerator includes children receiving DPT3 according to both A and B as described above. * Calculate child age in months by subtracting the century month code (CMC) for the date of interview from the birth date. * Include children with imputed month of birth in indicator. * Include children age >=12 and <24 months. * At least 3 doses required to be included in numerator. * Timing for receiving the vaccine doses doesn’t matter. | |
| **References:** | |

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| Pneumococcal immunization coverage | |
| Percentage of children aged 12-23 months who received 3 doses of pneumococcal vaccine | |
| **Numerator:** | Number of children 12-23 months receiving 3 doses of pneumococcal vaccine |
| **Denominator:** | Total number of children aged 12-23 months surveyed |
| **Questionnaire number:** | **Numerator**:  **IM1**. *Is there a vaccination book for (NAME)?*  **IM2**. *Record information exactly as it appears on (NAME’s) vaccination book. Write ‘44’ in ‘day’ column if card shows that a vaccination was given, but no date is recorded. Record ‘00’ for day, month, and year if nothing is recorded for the vaccine.*  **IM4**. *Did (NAME) ever receive any vaccinations to prevent (HIM/HER) from getting diseases, including vaccinations received in a national immunization campaign?*  **IM9**. *Has (NAME) ever received a pneumococcal vaccination, that is, an injection in the thigh to prevent pneumonia?*  **IM10**. *How many times did (NAME) receive the pneumococcal vaccine?* |
| **Denominator**:  **CI1**. *In what month and year was (*NAME*) born?* |
| **Notes:**   * A. Vaccine book seen by interview (IM1): Children who received 3 doses of pneumococcal vaccine even if date is not indicated (**IM2**). * B. Vaccine book not available/not seen by interviewer (IM1): Caretaker reported that child has received vaccinations previously (**IM4**), received at least three doses of pneumococcal vaccine (**IM9-10**). * The numerator includes children receiving pneumococcal vaccine according to both A and B as described above. * Calculate child age in months by subtracting the century month code (CMC) for the date of interview from the birth date. * Include children with imputed month of birth in indicator. * Include children age >=12 and <24 months. * At least 3 doses required to be included in numerator. * Timing for receiving the vaccine doses doesn’t matter. | |
| **References:** | |

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| Rotavirus immunization coverage | |
| Percentage of children aged 12-23 months who received 2\* doses of rotavirus vaccine | |
| **Numerator:** | Number of children 12-23 months receiving 2\* doses of rotavirus vaccine |
| **Denominator:** | Total number of children aged 12-23 months surveyed |
| **Questionnaire number:** | **Numerator**:  **IM1**. *Is there a vaccination book for (NAME)?*  **IM2**. *Record information exactly as it appears on (NAME’s) vaccination book. Write ‘44’ in ‘day’ column if card shows that a vaccination was given, but no date is recorded. Record ‘00’ for day, month, and year if nothing is recorded for the vaccine.*  **IM4**. *Did (NAME) ever receive any vaccinations to prevent (HIM/HER) from getting diseases, including vaccinations received in a national immunization campaign?*  **IM11**. *Has (NAME) ever received a rotavirus vaccination, that is, liquid in the mouth to prevent diarrhea?*  **IM12**. *How many times did (NAME) receive the rotavirus vaccine?* |
| **Denominator**:  **CI1**. *In what month and year was (*NAME*) born?* |
| **Notes:**   * \*Rotavirus vaccine is either 2 or three doses depending on the vaccine in use in the country; country adaptation is required to specify the appropriate dosage * A. Vaccine book seen by interview (IM1): Children who received 2\* doses of rotavirus vaccine even if date is not indicated (**IM2**). * B. Vaccine book not available/not seen by interviewer (IM1): Caretaker reported that child has received vaccinations previously (**IM4**), received at least two\* doses of rotavirus vaccine (**IM11-12**). * The numerator includes children receiving rotavirus vaccine according to both A and B as described above. * Calculate child age in months by subtracting the century month code (CMC) for the date of interview from the birth date. * Include children with imputed month of birth in indicator. * Include children age >=12 and <24 months. * At least 2\* doses required to be included in numerator. * Timing for receiving the vaccine doses doesn’t matter. | |
| **References:** | |

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| Insecticide treated net - Coverage of under 5 | |
| Percentage of children aged 0-59 months sleeping under an insecticide-treated bednet | |
| **Numerator:** | Number of children aged 0-59 months who slept under an ITN the previous night |
| **Denominator:** | Total number of children 0-59 months surveyed who slept in the surveyed HH the previous night. |
| **Questionnaire number:** | **Numerator:**  **VC3**. *Does your household have any mosquito nets that can be used while sleeping?*  **VC7**. What brand is this net?  **VC9**. *Did anyone sleep under this net last night?*  **VC10**. *Who slept under this net last night?* |
| **Denominator:**  **CI1**. *In what month and year was (*NAME*) born?*  ***HL6B:*** *Did (name) stay here last night?* |
| **Notes:**   * This is an optional indicator. The indicator is vulnerable to seasonal differences and therefore not the best choice to track progress over time. * ITN: An ITN is defined as a factory-treated net that does not require any further treatment (**VC7 = 11-15**). The net can be either observed or not observed by the interviewer (**VC5**) * Indicator is restricted to under-five children (**HL5-6**) who slept in the household the previous night (**HL6B**) | |
| **References:** | |

# CHILD HEALTH (CURATIVE)

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| Care-seeking for fever | |
| Percentage of children under 5 years old with fever in the previous two weeks for whom advice or treatment was sought | |
| **Numerator:** | Number of children aged 0-59 months reported to have fever in the 2 weeks prior to the survey for whom advice or treatment was sought |
| **Denominator:** | Total number of children aged 0-59 months reported to have fever in the 2 weeks prior to the survey |
| **Questionnaire number:** | **Numerator**:  **CO6**. *Did you seek advice or treatment for the illness?*  **CO7**. *Where did you seek advice or treatment?* |
| **Denominator**:  **CO1**. *Has (NAME) been ill with a fever at any time in the last 2 weeks?* |
| **Notes**:   * Fever illness is determined by a “Yes” answer to CO1. * Appropriate provider is defined as all public facilities (including “Other public facilities”), private hospital, clinic, mobile clinic and community health workers (if applicable) (**CO7**). This will vary by country context. Review text responses in “Other public” (**CO7**, response code E) “Other private” (**CO7**, response code I) and “Other community” ” (**CO7**, response code X) to see whether providers should be included in the numerator based on the country context. | |
| **References:** | |

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| Care-seeking for pneumonia | |
| Percentage of children aged 0-59 months with acute respiratory infection (ARI) taken to an appropriate health provider | |
| **Numerator:** | Number of children aged 0-59 months with acute respiratory infection (ARI) in the 2 weeks prior to the survey who were taken to an appropriate health provider. |
| **Denominator:** | Total number of children aged 0-59 months with acute respiratory infection (ARI) in the 2 weeks prior to the survey |
| **Questionnaire number:** | **Numerator**:  **CO6**. *Did you seek advice or treatment for the illness?*  **CO7**. *Where did you seek advice or treatment?* |
| **Denominator**:  **CO3**. *When (NAME) was ill with a cough, did he/she breathe faster than usual with short, fast breaths or did he/she have difficulty breathing?*  **CO4**. *Was the difficult breathing due to a problem in the chest or to a blocked or runny nose?* |
| **Note:**   * Suspected pneumonia illness is determined by a “Yes” answer to CO3 and response codes 1 or 3 in CO4.   + rapid breathing + rapid breathing due to problem in chest or both chest/nose * Appropriate provider is defined as all public facilities (including “Other public facilities”), private hospital, clinic, mobile clinic (“Other private”) and community health workers (if applicable) (**CO7**). This will vary by country context. Review text responses in “Other private” (**CO7**, response code I) and “Other community” (**CO7**, response code X) to see whether providers should be included in the numerator based on the country context. | |
| **References:** | |

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| Oral rehydration salts | |
| Percentage of children aged 0-59 months with diarrhea receiving oral rehydration salts (ORS). | |
| **Numerator:** | Number of children aged 0-59 months with diarrhea in the 2 weeks prior to the survey receiving ORS |
| **Denominator:** | Total number of children aged 0-59 months with diarrhea in the 2 weeks prior to the survey |
| **Questionnaire number:** | **Numerator**:  **DI2**. *Was (NAME) given any of the following at any time since he/she started having the diarrhea?* |
| **Denominator**:  **DI1**. *Has (NAME) had Diarrhea in the last 2 weeks?* *Diarrhea is defined as three or more loose or watery stools per day, or blood in stool. If child is exclusively breastfeeding, diarrhea is determined as perceived by mother or caretaker.* |
| **Notes:**   * Diarrheal illness is determined by a “Yes” answer to DI1. * Child is considered to receive ORS treatment if caretaker reports they were ever given fluid prepared with an ORS sachet during the illness. This includes fluid made from ORS packet and pre-packaged ORS liquid. It does NOT include government-recommended homemade fluids. | |
| **References:** | |

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| Treatment of diarrhea with zinc | |
| Percentage of children aged 0-59 months with diarrhea receiving zinc supplementation | |
| **Numerator:** | Number of children aged 0-59 months with diarrhea in the past 2 weeks receiving zinc supplementation |
| **Denominator:** | Total number of children aged 0-59 months with diarrhea in the 2 weeks prior to the survey. |
| **Questionnaire number:** | **Numerator**:  **DI2**. *Was (NAME) given any of the following at any time since he/she started having the diarrhea?* |
| **Denominator**:  **DI1**. *Has (NAME) had Diarrhea in the last 2 weeks?* *Diarrhea is defined as three or more loose or watery stools per day, or blood in stool. If child is exclusively breastfeeding, diarrhea is determined as perceived by mother or caretaker.* |
| **Notes:**   * Diarrheal illness is determined by a “Yes” answer to DI1. * Child is considered to receive zinc treatment if caretaker reports they were ever given zinc tablets or syrup. In some settings, ORS sachets may be supplemented with zinc. In these cases, include ORS coverage in the numerator as well. | |
| **References:** | |

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| Antimalarial treatment | |
| Percentage of children aged 0-59 months receiving first line antimalarial treatment among those children with fever in the last two weeks who received any antimalarial | |
| **Numerator:** | Number of children aged 0-59 months with fever who received first-line antimalarial treatment in the past 2 weeks |
| **Denominator:** | Total number of children aged 0-59 months with fever reported to have received any antimalarial treatment in the past two weeks |
| **Questionnaire number:** | **Numerator**:  **CO8**. *At any time during the illness, did (NAME) take any drugs for the illness?*  **CO9**. *What drugs did (NAME) take?* |
| **Denominator**:  **CO8**. *At any time during the illness, did (NAME) take any drugs for the illness?*  **CO9**. *What drugs did (NAME) take?*  **CO1**. *Has (NAME) been ill with a fever at any time in the last 2 weeks?* |
| **Note:**   * Definition of the first-line antimalarial treatment depends on country context. * The denominator includes children with fever who received any antimalarial (**CO9**, responses A-I). Review the text responses for the “other” category to determine if antimalarials were listed (**CO9**, response code X). | |
| **References:** | |

# NUTRITION

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| Children ever breastfed | |
| Percentage of most recent live births in the past 2 years ever breastfed. | |
| **Numerator:** | Number of last-born children in the past 2 years who were ever breastfed |
| **Denominator:** | Number of last-born children who were born in the 2 years preceding the survey |
| **Questionnaire number:** | **Numerator**:  **CB18**. *Has (NAME) ever been breastfed?* |
| **Denominator**:  **FE3**: *What was the month and year of your most recent birth?* |
| **Notes:**   * Denominator refers to the most recent live birth <24 month prior to the survey. | |
| **References:** | |

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| Exclusive breast-feeding (<6 months) | |
| Percentage of infants aged 0-5 months who are exclusively breastfed | |
| **Numerator:** | Number of infants aged 0-5 months who are exclusively breastfed |
| **Denominator:** | Total number of infants aged 0-5 months |
| **Questionnaire number:** | **Numerator**:  **BN1**. *Has (NAME) ever been breastfed?*  **BN2**. *Is (NAME) still being breastfed?*  **BN3**. *Now I would like to ask you about the liquids or foods that (NAME) had yesterday during the day or at night. I am interested in whether (NAME) had the item I mention, even if it was combined with other foods.*   1. Breastmilk? 2. Plain water? 3. Medicine or ORS 4. Juice or juice drinks? 5. Tea? 6. Clear broth? 7. Milk, such as tinned, powdered or fresh animal milk? 8. Infant formula? 9. Any other liquids? 10. Yogurt? 11. Any [BRAND NAME OF COMMERCIALLY FORTIFIED BABY FOOD, E.G., Cerelac]? 12. Bread, rice, noodles, porridge, or other foods made from grains? 13. Pumpkin, carrots, squash, or sweet potatoes that are yellow or orange inside? 14. White potatoes, white yams, manioc, cassava, or any other foods made from roots? 15. Any dark green, leafy vegetables? 16. Ripe mangoes, papayas, or [INSERT ANY OTHER LOCALLY AVAILABLE VITAMIN A-RICH FRUITS]? 17. Any other fruits or vegetables? 18. Liver, kidney, heart, or other organ meats? 19. Any meat, such as beef, pork, lamb, goat, chicken, or duck? 20. Eggs? 21. Fresh or dried fish or shellfish? 22. Any foods made from beans, peas, lentils, or nuts? 23. Cheese or other food made from milk? 24. Any other solid, semisolid, or soft food?   **BN5**. *Did (NAME) eat any solid, semi-solid, or soft foods yesterday during the day or at night?* |
| **Denominator**:  **CI1**. In what month and year was (NAME) born? |
| **Notes:**   * The questionnaire asks about fluids/food given in the previous 24 hours (last day and night). * Exclusively breastfed: Caretaker must respond that child is currently being breastfed (**BN2/BN3a**) and has received no other liquids or foods (**BN3b, BN3d-w**) except medicine/ORS is allowed (**BN3c**). The caretaker cannot have given any other solid/semi-solid foods (**BN5**). * “Don’t know” responses for food/liquids received (**BN3**) or whether baby is currently being breastfed (**BN2**) are assumed to not be EBF. * If the baby is currently breastfed (**BN2**) and has not received any breastmilk in the past 24 hours (**BN3a**), then infant is not EBF. * Calculate child age in months by subtracting the century month code (CMC) for the date of interview from the birth date. * Include children with imputed month of birth in indicator. * Include children age <6 months | |
| **References:** | |

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| Early initiation of breastfeeding | |
| Percentage of newborns put to the breast within one hour and 24 hours of birth | |
| **Numerator:** | Number of women 15-49 years old with a live birth in the 2 years prior to the survey who put the newborn infant to the breast within 1 hour of birth and number who put the infant to the breast within 24 hours |
| **Denominator:** | Total number of women 15-49 years old with a live birth in the 2 years prior to the survey |
| **Questionnaire number:** | **Numerator**:  **CB18**. *Has (NAME) ever been breastfed?*  **CB19**. *How long after birth did you first put (NAME) to the breast?* |
| **Denominator:**  **FE3**: *What was the month and year of your most recent birth?* |
| **Notes:**   * Within 1 hour: CB19, response codes 00 or 01 hours after birth. * Within 24 hours: CB19, response codes ranging 00 – 23 hours after birth. * Report on both indicators separately. * Denominator refers to the most recent live birth <24 month prior to the survey. | |
| **References:** | |

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| Introduction of solid, semi-solid, or soft foods | |
| Percentage of infants 6-8 months who are introduced to solid, semi-solid, or soft foods | |
| **Numerator:** | Number infants 6-8 months who were given solid or semi-solid foods during the previous day |
| **Denominator:** | Total number of infants 6-8 months |
| **Questionnaire number:** | **Numerator**:  **BN3**. *Now I would like to ask you about the liquids or foods that (NAME) had yesterday during the day or at night. I am interested in whether (NAME) had the item I mention, even if it was combined with other foods. Did (NAME) drink/eat:*  **BN5**. *Did (NAME) eat any solid, semi-solid, or soft foods yesterday during the day or at night?* |
| **Denominator:**  **CI1**. *In what month and year was (*NAME*) born*? |
| **Notes:**   * Foods that count as solid, semi-solid, or soft foods include:   + **BN3j**: *Yogurt?*   + **BN3k**: *Any [BRAND NAME OF COMMERCIALLY FORTIFIED BABY FOOD, E.G., Cerelac]?*   + **BN3l**: *Bread, rice, noodles, porridge, or other foods made from grains?*   + **BN3m**: *Pumpkin, carrots, squash, or sweet potatoes that are yellow or orange inside?*   + **BN3n**: *White potatoes, white yams, manioc, cassava, or any other foods made from roots?*   + **BN3o**: *Any dark green, leafy vegetables?*   + **BN3p**: *Ripe mangoes, papayas, or [INSERT ANY OTHER LOCALLY AVAILABLE VITAMIN A-RICH FRUITS]?*   + **BN3q**: *Any other fruits or vegetables?*   + **BN3r**: *Liver, kidney, heart, or other organ meats?*   + **BN3s**: *Any meat, such as beef, pork, lamb, goat, chicken, or duck?*   + **BN3t**: *Eggs?*   + **BN3u**: *Fresh or dried fish or shellfish?*   + **BN3v**: *Any foods made from beans, peas, lentils, or nuts?*   + **BN3w**: *Cheese or other food made from milk?*   + **BN3x**: *Any other solid, semisolid, or soft food?* * Include children age >=6 months & <8 months * Calculate child age in months by subtracting the century month code (CMC) for the date of interview from the birth date. | |
| **References:** | |

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| Continued breastfeeding at 1 year | |
| Proportion of children 12–15 months of age who are fed breast milk | |
| **Numerator:** | Number of children 12–15 months old who received breast milk during the previous day |
| **Denominator:** | Total number of children 12– 15 months old |
| **Questionnaire number:** | **Numerator**:  **BN1**. *Has (NAME) ever been breastfed?*  **BN2**. *Is (NAME) still being breastfed?* |
| **Denominator**:  **CI1**. *In what month and year was (*NAME*) born*? |
| **Notes:**   * Include children age >=12 months & <15 months * Calculate child age in months by subtracting the century month code (CMC) for the date of interview from the birth date. | |
| **References:** | |

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| Continued breastfeeding at 2 years | |
| Proportion of children 20–23 months of age who are fed breast milk | |
| **Numerator:** | Number of children 20–23 months old who received breast milk during the previous day |
| **Denominator:** | Total number of children 20– 23 months old |
| **Questionnaire number:** | **Numerator**:  **BN1**. *Has (NAME) ever been breastfed?*  **BN2**. *Is (NAME) still being breastfed?* |
| **Denominator**:  **CI1**. *In what month and year was (*NAME*) born*? |
| **Notes:**   * Include children age >=20 months & <23 months * Calculate child age in months by subtracting the century month code (CMC) for the date of interview from the birth date. | |
| **References:** | |

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| Appropriate infant and young child feeding practices: Minimum dietary diversity | |
| Minimum dietary diversity - percentage of children 6-23 months of age who received foods from four or more food groups | |
| **Numerator:** | Number of children 6-23 months of age who received foods from 4 or more food groups in the past 24 hours |
| **Denominator:** | Total number of children aged 6-23 months of age. |
| **Questionnaire number:** | **Numerator**:  **BN3**. *Now I would like to ask you about the liquids or foods that (NAME) had yesterday during the day or at night. I am interested in whether (NAME) had the item I mention, even if it was combined with other foods. Did (NAME) drink/eat:* |
| **Denominator:**  **CI1**. *In what month and year was (*NAME*) born*? |
| **Notes:**  The 7 foods groups used for tabulation of this indicator are:   * Grains, roots and tubers   + **BN3l**: *Bread, rice, noodles, porridge, or other foods made from grains?*   + **BN3n**: *White potatoes, white yams, manioc, cassava, or any other foods made from roots?* * Legumes and nuts   + **BN3v**: *Any foods made from beans, peas, lentils, or nuts?* * Dairy products (milk, yogurt, cheese)   + **BN3j**: *Yogurt?*   + **BN3w**: *Cheese or other food made from milk?*   + **BN3g**: *Milk, such as tinned, powdered or fresh animal milk?*   + **BN3h**: *Infant formula?* * Flesh foods (meat, fish, poultry and liver/organ meats)   + **BN3r**: *Liver, kidney, heart, or other organ meats?*   + **BN3s**: *Any meat, such as beef, pork, lamb, goat, chicken, or duck?*   + **BN3u**: *Fresh or dried fish or shellfish?* * Eggs   + **BN3t**: *Eggs?* * Vitamin-A rich fruits and vegetables   + **BN3m**: *Pumpkin, carrots, squash, or sweet potatoes that are yellow or orange inside?*   + **BN3o**: *Any dark green, leafy vegetables?*   + **BN3p**: *Ripe mangoes, papayas, or [INSERT ANY OTHER LOCALLY AVAILABLE VITAMIN A-RICH FRUITS]?* * Other fruits and vegetables   + **BN3q**: *Any other fruits or vegetables?* * Consumption of any amount of food from each food group is sufficient to “count”, i.e., there is no minimum quantity. * Results reported for breastfed and non-breastfed children combined. * Include children age >=6 months & <24 months * Calculate child age in months by subtracting the century month code (CMC) for the date of interview from the birth date. | |
| **References:**  Part 1: Definitions. Indicators for assessing infant and young child feeding practices. Available at <http://www.who.int/maternal_child_adolescent/documents/9789241596664/en/>  Part 2: Measurement. Indicators for assessing infant and young child feeding practices. Available at  http://apps.who.int/iris/bitstream/10665/44306/1/9789241599290\_eng.pdf?ua=1 | |

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| Appropriate infant and young child feeding practices: Minimum meal frequency | |
| Minimum meal frequency - percentage of children 6-23 months of age who received solid, semi-solid or soft foods the minimum number of times or more | |
| **Numerator:** | Number of **breastfed** children 6-23 months of age who received solid, semi-solid or soft foods at least the minimum number of times for their age tranche.  Number of **non-breastfed** children 6-23 months of age who received solid, semi-solid or soft foods at least the minimum number of times for their age tranche. |
| **Denominator:** | Total number of children aged 6-23 months of age. |
| **Questionnaire number:** | **Numerator**:  Breastfed children:  **BN2**. *Is (NAME) still being breastfed?*  **BN3**. *Now I would like to ask you about the liquids or foods that (NAME) had yesterday during the day or at night. I am interested in whether (NAME) had the item I mention, even if it was combined with other foods.*  **BN6**. *How many times did (NAME) eat solid, semisolid or soft foods yesterday during the day or the night?*  Non-breastfed children:  **BN2**. *Is (NAME) still being breastfed?*  **BN3fa**. *How many times did (NAME) drink milk?*  **BN3ga:** *How many times did (NAME) drink infant formula?*  **BN3ia**. *How many times did (NAME) eat yogurt?*  **BN6**. *How many times did (NAME) eat solid, semisolid or soft foods yesterday during the day or the night?* |
| **Denominator:**  **CI1**. *In what month and year was (*NAME*) born?* |
| **Notes:**   1. Minimum is defined as: 2. 2 times for breastfed infants 6–8 months 3. 3 times for breastfed children 9–23 months 4. 4 times for non-breastfed children 6–23 months 5. Calculate child age in months by subtracting the century month code (CMC) for the date of interview from the birth date. 6. “Meals” include both meals and snacks and frequency is based on caregiver report. 7. Feeding frequency for breastfed children includes only non-liquid feeds. 8. Feeding frequency for non-breastfed children includes both milk feeds and solid/semi-solid feeds. 9. Some countries may include large qualities of milk in tea, coffee or other beverages/foods. In this case, the questionnaire should be adapted to ask about number of those beverage/fluid feeds as well. 10. Note from the WHO document:   *“Results may be reported separately for breastfed and non-breastfed children. However, diversity scores for breastfed and non-breastfed children should not be directly compared, because breast milk is not “counted” in any of the above food groups. Breast milk is not counted because the indicator is meant to reflect the quality of the complementary food diet. As a consequence, this indicator may show “better” results for children who are not breastfed than those who are breastfed in populations where formula and/or milk are commonly given to non-breastfed children.”* | |
| **References:**  World Health Organization.  Part 1: Definitions. Indicators for assessing infant and young child feeding practices. Available at <http://www.who.int/maternal_child_adolescent/documents/9789241596664/en/>  Part 2: Measurement. Indicators for assessing infant and young child feeding practices. Available at  http://apps.who.int/iris/bitstream/10665/44306/1/9789241599290\_eng.pdf?ua=1 | |

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| Appropriate infant and young child feeding practices: Minimum acceptable diet | |
| Minimum acceptable diet - percentage of children 6-23 months of age who receive adequate nutrition. | |
| **Numerator:** | Number of **breastfed** children 6-23 months of age who received foods from 4 or more groups and at least the minimum number of meals.  Number of **non-breastfed** children 6-23 months of age who received at least 2 milk feedings and had at least the minimum dietary diversity not including milk feeds and the minimum meal frequency during the previous day. |
| **Denominator:** | Total number of children aged 6-23 months of age. |
| **Questionnaire number:** | **Numerator**:  Breastfed children:  **BN2**. *Is (NAME) still being breastfed?*  **BN3**. *Now I would like to ask you about the liquids or foods that (NAME) had yesterday during the day or at night. I am interested in whether (NAME) had the item I mention, even if it was combined with other foods.*  The 7 foods groups used for tabulation of this indicator are:   * Grains, roots and tubers   + **BN3l**: *Bread, rice, noodles, porridge, or other foods made from grains?*   + **BN3n**: *White potatoes, white yams, manioc, cassava, or any other foods made from roots?* * Legumes and nuts   + **BN3v**: *Any foods made from beans, peas, lentils, or nuts?* * Flesh foods (meat, fish, poultry and liver/organ meats)   + **BN3r**: *Liver, kidney, heart, or other organ meats?*   + **BN3s**: *Any meat, such as beef, pork, lamb, goat, chicken, or duck?*   + **BN3u**: *Fresh or dried fish or shellfish?* * Eggs   + **BN3t**: *Eggs?* * Vitamin-A rich fruits and vegetables   + **BN3m**: *Pumpkin, carrots, squash, or sweet potatoes that are yellow or orange inside?*   + **BN3o**: *Any dark green, leafy vegetables?*   + **BN3p**: *Ripe mangoes, papayas, or [INSERT ANY OTHER LOCALLY AVAILABLE VITAMIN A-RICH FRUITS]?* * Other fruits and vegetables   + **BN3q**: *Any other fruits or vegetables?*   **BN6**. *How many times did (NAME) eat solid, semisolid or soft foods yesterday during the day or the night?*  Non-breastfed children:  **BN2**. *Is (NAME) still being breastfed?*  **BN3**. *Now I would like to ask you about the liquids or foods that (NAME) had yesterday during the day or at night. I am interested in whether (NAME) had the item I mention, even if it was combined with other foods.*  **BN3fa**. *How many times did (NAME) drink milk?*  **BN3ga:** *How many times did (NAME) drink infant formula?*  **BN3ia**. *How many times did (NAME) eat yogurt?*  **BN6**. *How many times did (NAME) eat solid, semisolid or soft foods yesterday during the day or the night?* |
| **Denominator:**  **CI1**. *In what month and year was (*NAME*) born*? |
| **Notes:**   * For breastfed children, the numerator is a compound of “Minimum meal frequency” and “Minimum dietary diversity” definitions. * For non-breastfed children, the numerator is a compound of “Minimum meal frequency” and a revised version of the “Minimum dietary diversity” * For breastfed children the definition of “Minimum dietary diversity” is similar as #23 above but milk feeds are excluded from the diversity score. This is because milk feeds are considered as a separate and required element for non-breastfed children in this multi-dimensional indicator. Exclusion of milk feeds from the diversity score here avoids “double-counting” of this food group and allows use of this indicator in comparisons between populations with different rates of continued breastfeeding. | |
| **References:**  World Health Organization.  Part 1: Definitions. Indicators for assessing infant and young child feeding practices. Available at <http://www.who.int/maternal_child_adolescent/documents/9789241596664/en/>  Part 2: Measurement. Indicators for assessing infant and young child feeding practices. Available at  http://apps.who.int/iris/bitstream/10665/44306/1/9789241599290\_eng.pdf?ua=1 | |

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| Vitamin A supplementation coverage | |
| Percentage of children 6 - 59 months who received one dose of vitamin A during the previous six months. | |
| **Numerator:** | Number of children 6 - 59 months of age who received a dose of vitamin A during the previous 6 months. |
| **Denominator:** | Total number of children 6 - 59 months of age. |
| **Questionnaire number:** | **Numerator**:  **VA1**. *Has (NAME) received a vitamin A dose like this one in the past 6 months?* |
| **Denominator**:  **CI1**. *In what month and year was (*NAME*) born?* |
| **Notes:**   * Vitamin A supplementation: Caretaker answers “Yes” to VA1. * Calculate child age in months by subtracting the century month code (CMC) for the date of interview from the birth date. * Include children with imputed month of birth in indicator. * Include children age >=6 and <60 months. | |
| **References:** | |

# NUTRITION IMPACT

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| Underweight prevalence | |
| Severely underweight: Proportion of children under 5 years of age whose weight-for-age z-score is below minus 3 standard deviations (SD) below the mean on the WHO Child Growth Standards  Moderately underweight: Proportion of children under 5 years of age whose weight-for-age z-score is below minus 2 standard deviations (SD) below the mean on the WHO Child Growth Standards | |
| **Numerator:** | Number of children under 5 years of age whose weight-for-age z-score is below minus 3 (or minus 2) standard deviations (SD) below the mean on the WHO Child Growth Standards |
| **Denominator:** | Total number of children aged 0-59 months |
| **Questionnaire number:** | **Numerator**:  **AM3**. *How was the child weighed?*  *Probe: If child is less than 2 years old or is unable to stand alone, weigh the mother and child together and then weigh the mother alone.*  **AM3a**. *Mother and child’s weight*  **AM3b**. *Mother’s weight*  **AM4**. *Child’s weight* |
| **Denominator**:  **CI1**. *In what month and year was (*NAME*) born?* |
| **Notes:**   * Calculate child age in months by subtracting the century month code (CMC) for the date of interview from the birth date. * Include children with imputed month of birth in indicator. * Include children age <60 months. * The assignment of anthropometric z-scores based on the WHO Child Growth Standards is done through a complicated interpolation function that takes into account sex, age (measured by difference in date of birth and date of interview, both precise to day of month), height in centimeters, and weight in kilograms (precise to 100 grams). * Children who were not weighed and measured and children whose values for weight and height were not recorded are excluded from both the denominators and the numerators. Children whose month or year of birth are missing or unknown are flagged and excluded from both the denominators and the numerators. Children whose day of birth is missing or unknown are assigned day 15. * In the process of assigning the z-scores, checks are made on their plausibility. Z-scores for height-for-age and weight-for-age are assigned special values to children with incomplete date of birth (month or year missing or “don’t know”) as the z-scores are sensitive to changes in age. Children with height-for-age z-scores below -6 SD or above +6 SD, with weight-for-age z-scores below -6 SD or above +5 SD, or with weight for height z-scores below -5 SD or above +5 SD are flagged as having invalid data. Children with invalid are excluded from both the numerator and denominator of anthropometry calculations. Children who are flagged for out-of-range z-scores or invalid z-scores are excluded from both the denominator and the numerators. | |
| **References:**  The z-scores are calculated using software based on the WHO Anthro program and the macros for statistical packages at http://www.who.int/childgrowth/software/en/. | |

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| Stunting prevalence | |
| Severely stunted: Proportion of children under 5 years of age whose height-for-age z-score is below minus 3 standard deviations (SD) below the mean on the WHO Child Growth Standards  Moderately or severely stunted: Proportion of children under 5 years of age whose height-for-age z-score is below minus 2 standard deviations (SD) below the mean on the WHO Child Growth Standards | |
| **Numerator:** | Number of children under 5 years of age whose height-for-age z-score is below minus 3 (or minus 2) standard deviations (SD) below the mean on the WHO Child Growth Standards |
| **Denominator:** | Total number of children aged 0-59 months |
| **Questionnaire number:** | **Numerator**:  **AM5**. *Child’s length or height.* |
| **Denominator**:  **CI1**. *In what month and year was (*NAME*) born?* |
| **Notes:**   * Calculate child age in months by subtracting the century month code (CMC) for the date of interview from the birth date. * Include children with imputed month of birth in indicator. * Include children age <60 months. * The assignment of anthropometric z-scores based on the WHO Child Growth Standards is done through a complicated interpolation function that takes into account sex, age (measured by difference in date of birth and date of interview, both precise to day of month), height in centimeters, and weight in kilograms (precise to 100 grams). * Children who were not weighed and measured and children whose values for weight and height were not recorded are excluded from both the denominators and the numerators. Children whose month or year of birth are missing or unknown are flagged and excluded from both the denominators and the numerators. Children whose day of birth is missing or unknown are assigned day 15. * In the process of assigning the z-scores, checks are made on their plausibility. Z-scores for height-for-age and weight-for-age are assigned special values to children with incomplete date of birth (month or year missing or “don’t know”) as the z-scores are sensitive to changes in age. Children with height-for-age z-scores below -6 SD or above +6 SD, with weight-for-age z-scores below -6 SD or above +5 SD, or with weight for height z-scores below -5 SD or above +5 SD are flagged as having invalid data. Children with invalid are excluded from both the numerator and denominator of anthropometry calculations. Children who are flagged for out-of-range z-scores or invalid z-scores are excluded from both the denominator and the numerators. | |
| **References:**  The z-scores are calculated using software based on the WHO Anthro program and the macros for statistical packages at http://www.who.int/childgrowth/software/en/. | |

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| Wasting prevalence | |
| Severely wasted: Proportion of children under 5 years of age whose weight-for-height z-score is below minus 3 standard deviations (SD) below the mean on the WHO Child Growth Standards Moderately or severely wasted: Proportion of children under 5 years of age whose weight-for-height z-score is below minus 2 standard deviations (SD) below the mean on the WHO Child Growth Standards | |
| **Numerator:** | Number of children under 5 years of age whose weight-for-height z-score is below minus 3 (or minus 2) standard deviations (SD) below the mean on the WHO Child Growth Standards |
| **Denominator:** | Total number of children aged 0-59 months |
| **Questionnaire number:** | **Numerator**:  **AM3**. *How was the child weighed?*  *Probe: If child is less than 2 years old or is unable to stand alone, weigh the mother and child together and then weigh the mother alone.*  **AM3a**. *Mother and child’s weight*  **AM3b**. *Mother’s weight*  **AM4**. *Child’s weight*  **AM5**. *Child’s length or height.* |
| **Denominator**:  **CI1**. *In what month and year was (*NAME*) born?* |
| **Notes:**   * Calculate child age in months by subtracting the century month code (CMC) for the date of interview from the birth date. * Include children with imputed month of birth in indicator. * Include children age <60 months. * The assignment of anthropometric z-scores based on the WHO Child Growth Standards is done through a complicated interpolation function that takes into account sex, age (measured by difference in date of birth and date of interview, both precise to day of month), height in centimeters, and weight in kilograms (precise to 100 grams). * Children who were not weighed and measured and children whose values for weight and height were not recorded are excluded from both the denominators and the numerators. Children whose month or year of birth are missing or unknown are flagged and excluded from both the denominators and the numerators. Children whose day of birth is missing or unknown are assigned day 15. * In the process of assigning the z-scores, checks are made on their plausibility. Z-scores for height-for-age and weight-for-age are assigned special values to children with incomplete date of birth (month or year missing or “don’t know”) as the z-scores are sensitive to changes in age. Children with height-for-age z-scores below -6 SD or above +6 SD, with weight-for-age z-scores below -6 SD or above +5 SD, or with weight for height z-scores below -5 SD or above +5 SD are flagged as having invalid data. Children with invalid are excluded from both the numerator and denominator of anthropometry calculations. Children who are flagged for out-of-range z-scores or invalid z-scores are excluded from both the denominator and the numerators. | |
| **References:**  The z-scores are calculated using software based on the WHO Anthro program and the macros for statistical packages at http://www.who.int/childgrowth/software/en/. | |

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| Overweight prevalence | |
| Proportion of children under 5 years of age whose weight-for-height z-score is above plus 2 standard deviations (SD) above the mean on the WHO Child Growth Standards | |
| **Numerator:** | Number of children under 5 years of age whose weight-for-height z-score is above plus 2 standard deviations (SD) above the mean on the WHO Child Growth Standards |
| **Denominator:** | Total number of children aged 0-59 months |
| **Questionnaire number:** | **Numerator**:  **AM3**. *How was the child weighed?*  *Probe: If child is less than 2 years old or is unable to stand alone, weigh the mother and child together and then weigh the mother alone.*  **AM3a**. *Mother and child’s weight*  **AM3b**. *Mother’s weight*  **AM4**. *Child’s weight*  **AM5**. *Child’s length or height.* |
| **Denominator**:  **CI1**. *In what month and year was (*NAME*) born?* |
| **Notes:**   * Calculate child age in months by subtracting the century month code (CMC) for the date of interview from the birth date. * Include children with imputed month of birth in indicator. * Include children age <60 months. * The assignment of anthropometric z-scores based on the WHO Child Growth Standards is done through a complicated interpolation function that takes into account sex, age (measured by difference in date of birth and date of interview, both precise to day of month), height in centimeters, and weight in kilograms (precise to 100 grams). * Children who were not weighed and measured and children whose values for weight and height were not recorded are excluded from both the denominators and the numerators. Children whose month or year of birth are missing or unknown are flagged and excluded from both the denominators and the numerators. Children whose day of birth is missing or unknown are assigned day 15. * In the process of assigning the z-scores, checks are made on their plausibility. Z-scores for height-for-age and weight-for-age are assigned special values to children with incomplete date of birth (month or year missing or “don’t know”) as the z-scores are sensitive to changes in age. Children with height-for-age z-scores below -6 SD or above +6 SD, with weight-for-age z-scores below -6 SD or above +5 SD, or with weight for height z-scores below -5 SD or above +5 SD are flagged as having invalid data. Children with invalid are excluded from both the numerator and denominator of anthropometry calculations. Children who are flagged for out-of-range z-scores or invalid z-scores are excluded from both the denominator and the numerators. | |
| **References:**  The z-scores are calculated using software based on the WHO Anthro program and the macros for statistical packages at http://www.who.int/childgrowth/software/en/. | |

# VECTOR CONTROL

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| Universal coverage of vector control | |
| Percentage of households with at least one ITN for every two people and/or sprayed by indoor residual spraying (IRS) within last 12 months | |
| **Numerator:** | Number of households with at least one ITN for every two people and/or sprayed by IRS within last 12 months |
| **Denominator:** | Total number of households |
| **Questionnaire number:** | **Numerator**:  **VC1**. *At any time in the past 12 months, has anyone come into your dwelling to spray the interior walls against mosquitoes?*  **VC3**. *Does your household have any mosquito nets that can be used while sleeping?*  **VC7**. *What brand is this net?*  **Denominator**:  **HL1**. *Total household members in listing.* |
| **Notes:**   * Recommended indicator (Roll Back Malaria) * ITN: An ITN is defined as a factory-treated net that does not require any further treatment (**VC7 = 11-15**). The net can be either observed or not observed by the interviewer (**VC5**) * The total number of ITNs should be calculated from the roster on ITNs (VC5-8) and not based on question VC4 (How many mosquito nets does your household have) as not all mosquito nets meet the requirements for inclusion in this indicator.   + For this indicator, you need to first calculate number of ITNs divided by the number of people in the household and determine if the household meets the one ITN per 2 household members threshold. Then, the indicator is calculated as proportion of households meeting this threshold.   + Create a variable that sums the total household members in the listing. Include all members listed even if they didn’t spend the night last night (HL6B) but usually live there (HL6A) or don’t usually live there (HL6A) but stayed there the last night (HL6B). * B. IRS: Respondent reported that household received IRS in the previous 12 months (**VC1**). * Numerator includes both A and B as described above. | |
| **References:** | |

# WATER AND SANITATION

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| Use of improved drinking water sources | |
| Percentage of the population using improved drinking water sources (piped on premises or other improved sources) | |
| **Numerator:** | Number of household members living in households using improved drinking water sources (piped on premises or other improved sources) |
| **Denominator:** | Total number of household members in households surveyed |
| **Questionnaire number:** | **Numerator**:  **WS1**. *What is the main source of drinking water for members of your household?*  **WS2**. *What is the main source of water used by your household for other purposes, such as cooking and handwashing?* |
| **Denominator**:  **HL1**. *Total number of household members* surveyed |
| **Note:**   * Improved source: Piped water, tube/borehole, protected well/spring, and rainwater collection are improved sources (**WS1**). Bottled water is only considered improved if HH uses improved source for cooking/washing too (**WS1-2**). * For the denominator, sum all the household members listed, even if the person did not spend the night last night (HL6B) but usually live there (HL6A) or don’t usually live there (HL6A) but stayed there the last night (HL6B). * Review text in “Other” category to determine whether it is an improved source. * Water source can be seen or not seen by the interviewer. | |
| **References:**   * WHO/UNICEF JMP definition (http://www.wssinfo.org/definitions-methods/watsan-categories/) | |

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| Use of improved sanitation facilities | |
| Percentage of population using improved sanitation facilities | |
| **Numerator:** | Number of household members using improved sanitation facilities |
| **Denominator:** | Total number of household members in households surveyed |
| **Questionnaire number:** | **Numerator**:  **WS3**. *What kind of toilet facility do members of your household usually use?*  **WS4**. *Do you share this toilet facility with other households?* |
| **Denominator**:  **HL1**. *Total number of household members surveyed* |
| **Notes:**   * Improved sanitation facility –Flush toilet (except for "flush to somewhere else" and “flush to unknown”), VIP, pit latrine with slab, composting toilet are included (**WS3**). Only an “unshared facility” is considered “improved” (**WS4**). * For the denominator, sum all the household members listed, even if the person did not spend the night last night (HL6B) but usually live there (HL6A) or don’t usually live there (HL6A) but stayed there the last night (HL6B). * Review text in “Other” category to determine whether it is an improved source. * Sanitation facility can be seen or not seen by the interviewer. | |
| **References:**  WHO/UNICEF JMP definition (http://www.wssinfo.org/definitions-methods/watsan-categories/) | |

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| Safe disposal of child’s stools | |
| Percentage of children whose stools are disposed of appropriately | |
| **Numerator:** | Number of children age 0-23 months whose stools are disposed of appropriately |
| **Denominator:** | Total number of children age 0-23 months |
| **Questionnaire number:** | **Numerator**:  **BN7**. *The last time (NAME) passed stools, what was done to dispose of the stools?* |
| **Denominator**:  **CI1.** *In what month and year was (NAME) born?* |
| **Notes:**   * Safe disposal methods include: child used a toilet or latrine, put/rinsed fecal matter into the toilet, or if it was buried (**BN7** = 1,2,5) * Calculate child age in months by subtracting the century month code (CMC) for the date of interview from the birth date. * Include children with imputed month of birth in indicator. * Include children age <24 months | |
| **References:** | |

# CHILD PROTECTION

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| Birth registration | |
| Percentage of children under age 5 whose births are registered with civil authorities and who have a birth certificate. | |
| **Numerator:** | Number of children 0 – 59 months whose births were registered with civil authorities and who have a birth certificate. |
| **Denominator:** | Total number of children 0 – 59 months |
| **Questionnaire number:** | **Numerator:**  **BR1.** *Does (NAME) have a birth certificate?*  **BR2.** *Has (name)’s birth been registered with the civil authorities?* |
| **Denominator**:  *All children under 5* |
| **Notes:** | |
| **References:** | |

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| Early first marriage or union (<15 or 18 years) | |
| Percentage of women (or men) whose first marriage or consensual union occurred before they attained the specified age group (15 or 18 years of age) | |
| **Numerator:** | Number of women (or men) whose first marriage or consensual union occurred before they attained the specified age group (15 or 18 years of age) |
| **Denominator:** | Total number of women age 15-49 or men (age range varies by survey) including those who have never been married or in a consensual union |
| **Questionnaire number:** | **Numerator**:  ***WOMEN***  **WI1.** *In what month and what year were you born?*  **FP3.** *Now I would like to ask about your (first) (husband/partner). In what month and year did you start living with him?*  ***MEN***  **MI1.** *In what month and what year were you born?*  **MFP3.** *Now I would like to ask about your (first) (wife/partner). In what month and year did you start living with her?* |
| **Denominator**:  All respondents |
| **Notes:**   * Calculate age in months by subtracting the century month code (CMC) for the date of interview from the birth date. | |
| **References:** | |

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| Adolescent girls currently married or in union | |
| Percentage of adolescent girls aged 15–19 who are currently married or in union. | |
| **Numerator:** | Number of women aged 15-19 who are currently married or in union |
| **Denominator:** | Total number of women aged 15-19 |
| **Questionnaire number:** | **Numerator**:  **FP1.** *Are you currently married or living together with a man as if married?* |
| **Denominator**:  **WI1.** *In what month and what year were you born?* |
| **Notes:**   * The age to determine adolescents can vary according to the country, interventions, or study specific definition; 15-19 and 15-24 being typically used to define adolescent age category. | |
| **References:** | |

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| Early childbearing | |
| Percentage of women age 15-19 who have begun childbearing. | |
| **Numerator:** | Number of women 15-19 who either have had a birth or who are pregnant at the time of interview |
| **Denominator:** | Total number of women age 15-19 including those without a birth |
| **Questionnaire number:** | **Numerator**:  **FE1.** *Have you ever given birth?*  **FP12.** *Are you pregnant now?* |
| **Denominator**:  **WI1.** *In what month and what year were you born?* |
| **Notes:**   * The age to determine adolescents can vary according to the country, interventions, or study specific definition; 15-19 and 15-24 being typically used to define adolescent age category. | |
| **References:** | |

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| Willingness of adolescent girls to have sexual intercourse the very first time | |
| Percentage of adolescent girls aged 15–19 who willingly wanted to have sexual intercourse the very first time. | |
| **Numerator:** | Number of women 15-19 who ever had sexual intercourse and willingly wanted to have it the very first time |
| **Denominator:** | Number of women 15-19 who ever had sexual intercourse |
| **Questionnaire number:** | **Numerator**:  **FP6.** *The very first time you had sexual intercourse, would you say that you willingly wanted to have it?* |
| **Denominator**:  **WI1.** *In what month and what year were you born?*  **FP5.** *How old were you when you had sexual intercourse for the very first time?* |
| **Notes:**   * The age to determine adolescents can vary according to the country, interventions, or study specific definition; 15-19 and 15-24 being typically used to define adolescent age category. | |
| **References:** | |

# GENDER DYNAMICS

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| Gender/Women’s: Roles and Practices | |
| 1. Percentage of women who were accompanied by their husbands/partners to an antenatal care (ANC) visit 2. Percentage of women whose husbands/partners were present during the antenatal care (ANC) visit consultation 3. Percentage of women who were accompanied by their husbands/partners to the delivery of their last child 4. Percentage of women whose husbands/partners were present in the delivery room during the birth of their last child | |
| **Numerator:** | 1. Number of currently married or partnered women 15-49 years of age with a live birth in the 2 years prior to the survey who attended antenatal care during her most recent pregnancy and were accompanied at least once to an antenatal care visit by their husband/partner 2. Number of currently married or partnered women 15-49 years of age with a live birth in the 2 years prior to the survey who attended antenatal care and whose husband/partner was present at least once during the consultation portion of the antenatal care visit during her most recent pregnancy 3. Number of currently married or partnered women 15-49 years of age with a live birth in the 2 years prior to the survey whose husband/partner accompanied her to the delivery of her most recent childbirth 4. Number of currently married or partnered women 15-49 years of age with a live birth in the 2 years prior to the survey whose husband/partner was present in the room during labour and delivery of her most recent childbirth |
| **Denominator:** | 1. Total number of currently married or partnered women 15-49 years of age surveyed with a live birth in the 2 years prior to the survey who attended antenatal care during their most recent pregnancy 2. Total number of currently married or partnered women 15-49 years of age surveyed with a live birth in the 2 years prior to the survey who attended antenatal care during their most recent pregnancy 3. Total number of currently married or partnered women aged 15-49 years surveyed with a live birth in the 2 years prior to the survey 4. Total number of currently married or partnered women aged 15-49 years surveyed with a live birth in the 2 years prior to the survey |
| **Questionnaire number:** | **Numerator**:   1. **CB2a**. *Did your husband/partner accompany you in any antenatal care visits during this pregnancy?* 2. **CB2b**. *Was your husband/partner present in the room or other space during your antenatal care consultation?* 3. **CB17a**. *Was your husband/partner with you when you delivered (NAME)?* 4. **CB17b**. *Was your husband/partner present in the delivery room during any part of labour or delivery?* |
| **Denominator**:   1. **CB1.** *While you were pregnant with (NAME), did you see anyone for antenatal care?;* **FE3.** *What was the month and year of your most recent birth?* 2. **CB2a**. *Did your husband/partner accompany you in any antenatal care visits during this pregnancy?;* **FE3***. What was the month and year of your most recent birth?* 3. **FE3***. What was the month and year of your most recent birth?* 4. **FE3.** *What was the month and year of your most recent birth?* |
| **Notes:**   1. ‘Accompanied’ means that the husband/partner went with her to ANC visit, regardless of if the ANC visit occurred at a health facility or not. 2. ‘Present’ during the antenatal care consultation, refers to being either physically present in the room or other location, such as outside or in a hallway. 3. ‘Accompanied’ means having the husband/partner go with the women to the place of delivery, regardless of if the birth occurred at health facility or not. Accompaniment can include, for example, coming to the health facility but waiting outside, being in a waiting area, or being in the delivery room. 4. ‘Present’ refers to being in the delivery room during any part of the labour or childbirth, regardless of if the birth occurred at a health facility or not. | |
| **References:** | |

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| Gender/Women’s: Access to Resources | |
| 1. Percentage of women age 15-49 who have done any work in the last 7 days 2. Percentage of women age 15-49 who have done any work at any time in the past 12 months 3. Percentage of women age 15-49 who earned cash for work at any time in the past 12 months 4. Percentage of women age 15-49 who use an account in a bank or other savings institution 5. Percentage of women age 15-49 who own a mobile phone 6. Percentage of women age 15-49 who own a mobile phone and use it for financial transactions | |
| **Numerator:** | 1. Number of women 15-49 years of age who were employed either at home or outside of the home at any time in the last 7 days 2. Number of women 15-49 years of age who have done any work either at home or outside of the home at any time in the past 12 months 3. Number of women 15-49 years of age earning cash for work either at home or outside of the home at any time in the past 12 months 4. Number of women 15-49 years of age who use an account in a bank or other savings institution in her own name or jointly with someone else 5. Number of women 15-49 years of age who own a mobile phone 6. Number of women 15-49 who own a mobile phone and use it for financial transactions |
| **Denominator:** | 1. Total number of women aged 15-49 years surveyed 2. Total number of women aged 15-49 years surveyed 3. Total number of women aged 15-49 years surveyed who were employed at any time in the past 12 months 4. Total number of women aged 15-49 years surveyed 5. Total number of women aged 15-49 years surveyed 6. Total number of women aged 15-49 years who own a mobile phone |
| **Questionnaire number:** | **Numerator**:   1. **DM1**. *Aside from your own housework, have you done any work in the last seven days?;* **DM2**. *As you know, some women take up jobs for which they are paid in cash or kind. Others sell things, have a small business or work on the family farm or in the family business. In the last seven days, have you done any of these things or any other work?* 2. **DM1**. *Aside from your own housework, have you done any work in the last seven days?;* **DM2**. *As you know, some women take up jobs for which they are paid in cash or kind. Others sell things, have a small business or work on the family farm or in the family business. In the last seven days, have you done any of these things or any other work?;* **DM3**. *Have you done any work in the last 12 months?* 3. **DM1**. *Aside from your own housework, have you done any work in the last seven days?;* **DM4**. *Are you paid in cash or kind for this work or are you not paid at all?* 4. **DM7**. *Do you have a bank account or an account in any other savings institution in your own name or jointly with someone else?* 5. **DM9**. *Do you own a mobile telephone?* 6. **DM10**. *Do you have a mobile bank account?* |
| **Denominator**:   1. *All women* 2. *All women* 3. **DM1**. *Aside from your own housework, have you done any work in the last seven days?;* **DM2**. *As you know, some women take up jobs for which they are paid in cash or kind. Others sell things, have a small business or work on the family farm or in the family business. In the last seven days, have you done any of these things or any other work?;* **DM3**. *Have you done any work in the last 12 months? IF DM1, DM2, or DM3 =YES, then the respondent is considered to have employment in the last 12 months.* 4. *All women* 5. *All women* 6. **DM9**. *Do you own a mobile telephone? = YES* |
| **Notes:**   1. Includes work at home or outside of the home. This indicator does not include housework that the respondent does herself. 2. Includes work at home or outside of the home. This indicator does not include housework that the respondent does herself. 3. Includes work done at home or outside of the home that was paid either in 'cash only' or 'cash and in kind'. 4. Includes use of a bank account or other savings institution that is in her own name or is named jointly with someone else. | |
| **References:** | |

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| Gender/Women’s: Decision Making | |
| 1. Percentage of women age 15-49 who are usually permitted to go to specific places outside of their home alone 2. Percentage of women age 15-49 who mainly make decisions about their own health care 3. Percentage of women age 15 - 49 who can make decisions about major household purchases 4. Percentage of women age 15 - 49 who can make decisions about daily household purchases 5. Percentage of women age 15 - 49 who can make decisions about selling poultry 6. Percentage of women age 15 - 49 who can make decisions about selling livestock 7. Percentage of women age 15-49 who can make decisions to visit friends/family 8. Percentage of women age 15-49 who can make decisions about how many children and when to have them 9. Percentage of women age 15-49 who mainly decide how her own income will be used | |
| **Numerator:** | 1. Number of women 15-49 years of age who are usually permitted to go to specific places outside of their home alone 2. Number of women 15-49 years of age who make decisions alone or jointly with someone else on their own health care 3. Number of women 15 - 49 who make decisions alone or jointly with their husband on major purchases 4. Number of women 15 - 49 who make decisions alone or jointly with their husband on daily purchases 5. Number of women 15 - 49 who make decisions alone or jointly with their husband on selling poultry 6. Number of women 15 - 49 who make decisions alone or jointly with their husband on selling livestock 7. Number of women 15 - 49 who make decisions alone or jointly with their husband on visiting wife's family/relatives 8. Number of women 15 - 49 who make decisions alone or jointly with their husband about how many children and when they should have them 9. Number of women 15-49 years of age who make decisions alone or jointly with someone else on how their own income will be used |
| **Denominator:** | a-i) Total number of women aged 15-49 years surveyed |
| **Questionnaire number:** | **Numerator**:   1. **DM16**. *Are you usually permitted to go to the following places on your own, only if someone accompanies you, or not at all?*    * *To the local market to buy things?*    * *To a local health center or doctor?*    * *To the community center or other nearby meeting place?*    * *To homes of friends in the neighborhood?*    * *To a nearby shrine/mosque/temple/church?*    * *Just outside your house or compound?* 2. **DM15**. *Who usually makes decisions about health care for yourself: you, your (husband/partner), you and your (husband/partner) jointly, family/relative, you and family/relative jointly, someone else, or you and someone else jointly?* 3. **DM15ba**. *In a couple, who do you think should have the greater say in each of the following decisions: the husband, the wife or both equally:*    * *making major household purchases?* 4. **DM15bb**. *In a couple, who do you think should have the greater say in each of the following decisions: the husband, the wife or both equally:*    * *making purchases for daily household needs?* 5. **DM15bc**. *In a couple, who do you think should have the greater say in each of the following decisions: the husband, the wife or both equally:*    * *selling household owned poultry (i.e. chicken, turkey, ducks)?* 6. **DM15bd**. *In a couple, who do you think should have the greater say in each of the following decisions: the husband, the wife or both equally:*    * *selling household owned livestock, herds, and/or other farm animals (i.e. goats, sheep, cattle, pigs, donkey)* 7. **DM15be**. *In a couple, who do you think should have the greater say in each of the following decisions: the husband, the wife or both equally:*    * *deciding about visits to the wife's family or relatives?* 8. **DM15bf**. *In a couple, who do you think should have the greater say in each of the following decisions: the husband, the wife or both equally:*    * *deciding how many children to have and when?* 9. **DM5**. *Do you have any money of your own that you alone can decide how to use?;* **DM6**. *Who decides how your own money will be used?* |
| **Denominator**:  a-i) *All women* |
| **Notes:**   * Women are considered 'usually permitted' if they report being able to go to 3 or more of the specified locations 'alone'. This indicator measures a woman’s autonomy to decide how she uses her time. * Women are 'mainly' considered to have control over their own health care decision-making if they participate in decisions alone or jointly with someone else. (DM15 = 1,3,5, or 7) * Women are 'mainly' considered to have control over major household purchase decision-making if they participate in decisions alone or jointly with their husband. * Women are 'mainly' considered to have control over daily household purchase decision-making if they participate in decisions alone or jointly with their husband. * Women are 'mainly' considered to have control over poultry selling decision-making if they participate in decisions alone or jointly with their husband. * Women are 'mainly' considered to have control over livestock selling decision-making if they participate in decisions alone or jointly with their husband. * Women are 'mainly' considered to have control over decision-making in relation to visiting their family/relatives if they participate in decisions alone or jointly with their husband. * Women are 'mainly' considered to have control over number of children decision-making if they participate in decisions alone or jointly with their husband. * Women are 'mainly' considered to have control over their own income if they participate in decisions alone or jointly with someone else. (DM5 =1 or DM6 includes option A ‘respondent’) | |
| **References:** | |

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| Gender/Women’s: Norms and Beliefs | |
| 1. Percentage of women age 15-49 who think a husband is justified in hitting or beating his wife under certain circumstances 2. Percentage of women age 15-49 who respond that childbearing is a women's concern 3. Percentage of women age 15-49 who respond that a doctor is necessary for delivery 4. Percentage of women age 15-49 who respond that contraception is a women's concern 5. Percentage of women age 15-49 who respond that contraception is for promiscuous women 6. Percentage of women age 15-49 who respond that a woman has right to refuse sex with her husband 7. Percentage of women age 15-49 who respond that if woman refuses sex, husband has right to reprimand/get angry with her 8. Percentage of women age 15-49 who respond that if woman refuses sex, husband has right to refuse money 9. Percentage of women age 15-49 who respond that if woman refuses sex, husband has right to use force for sex 10. Percentage of women age 15-49 who respond that if woman refuses sex, husband has right to have sex with another woman | |
| **Numerator:** | 1. Number of women age 15-49 who accept domestic violence (any yes responses/ mix of yes and DK) 2. Number of women age 15-49 who respond that childbearing is a women's concern. 3. Number of women age 15-49 who respond that a doctor is necessary for delivery 4. Number of women age 15-49 who report that contraception is a women's concern 5. Number of women age 15-49 who report that contraception is for promiscuous women 6. Number of women age 15-49 who report that a woman has right to refuse sex with her husband 7. Number of women age 15-49 who report that if woman refuses sex, husband has right to reprimand/get angry with her 8. Number of women age 15-49 who report that if woman refuses sex, husband has right to refuse money 9. Number of women age 15-49 who report that if woman refuses sex, husband has right to use force for sex 10. Number of women age 15-49 who report that if woman refuses sex, husband has right to have sex with another woman |
| **Denominator:** | a-l) Total number of women aged 15-49 years surveyed |
| **Questionnaire number:** | **Numerator**:   1. **DM17**. *In your opinion, is a husband/partner justified in hitting or beating his wife in the following situations:*    * *If she goes out without telling him?*    * *If she neglects the children?*    * *If she argues with him?*    * *If she refuses to have sex with him?*    * *If she burns the food?*    * *If she refuses to give her earned money to her husband/partner?*    * *If she uses contraception without informing her husband/partner?* 2. **DM15aa**. *I will now read you some statements about pregnancy. Please tell me if you agree or disagree with them.*    * *Childbearing is a woman's concern only and there is no need for the father to get involved.* 3. **DM15ab**. *I will now read you some statements about pregnancy. Please tell me if you agree or disagree with them.*    * *It is crucial for the mother's and child's health that a woman have assistance from a doctor or nurse at delivery* 4. **FP33a**. *I will now read you some statements about contraception. Please tell me if you agree or disagree with each one.*    * *Contraception is a woman’s concern only and a man should not have to worry about it.* 5. **FP33b**. *I will now read you some statements about contraception. Please tell me if you agree or disagree with each one.*    * *Women who use contraception may become promiscuous.* 6. **DM18a**. *In your community, do you think that a woman has the right to refuse to have sex with: Her husband?* 7. **DM19a**. *Do you think that if a woman refuses to have sex with her husband/partner when he wants her to, he has the right to:*    * *Get angry and reprimand her?* 8. **DM19b**. *Do you think that if a woman refuses to have sex with her husband/partner when he wants her to, he has the right to:*    * *Refuse to give her money or other means of support?* 9. **DM19c**. *Do you think that if a woman refuses to have sex with her husband/partner when he wants her to, he has the right to:*    * *Use force and have sex with her even if she doesn't want to?* 10. **DM19d**. *Do you think that if a woman refuses to have sex with her husband/partner when he wants her to, he has the right to:*     * *Have sex with another woman?* |
| **Denominator**:  a-l) *All women* |
| **Notes:**   1. Percent of respondents aged 18-49 years who agree with at least one specified reason for a husband beating his wife: i) burns the food, ii) argues with husband, iii) goes out without telling the husband, iv) neglects the children or v) refuses to have sex with husband | |
| **References:** | |

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| Gender/Men’s: Roles and Practices | |
| Percentage of men who reported attending health facility for themselves, for their wife/partner, for their children, or for both themselves and/or their wife/partner or children | |
| **Numerator:** | Number of men who reported attending health facility for your wife/partner, for your children, or for both yourself and/or your wife/partner or children |
| **Denominator:** | Total currently married or partnered men |
| **Questionnaire number:** | **Numerator**:  **MFP17**. *In the last 12 months, have you visited a health facility for care for yourself, for your wife/partner, for your children, or for both yourself and/or your wife/partner or children?* |
| **Denominator**:   1. ***MFP1.*** *Are you currently married or living together with a woman as if married?* 2. ***HL3.*** *What is the relationship of (NAME) to the head of household?* |
| **Notes:**   * Selection of denominator   + Use denominator A if you are interested in understanding men’s responses overall. One potential limitation of this approach is that the men included in this analysis are not necessarily the husbands/partners of the women who answered similar questions in the women’s module.   + Use denominator B if you are interested in understanding differences between men’s response and wife’s/partner’s response and conducting a paired analysis. One potential limitation of this approach is that this reduces the number of respondents included in the analysis. * Health facility attendance includes for any condition or health issue. Attendance for the family included attendance for wife, for child, and for both himself and/or wife and/or children. Attendance for family does not include attendance for self only, no visit, or attendance for someone else. | |
| **References:** | |

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| Gender/Men’s: Access to Resources | |
| 1. Percentage of married/partnered men age 15-49 who report their wife has worked in the last 7 days 2. Percentage of married/partnered men age 15-49 who report their wife has worked in the past 12 months 3. Percentage of married/partnered men age 15-49 who report their wife uses an account in a bank or other savings institution | |
| **Numerator:** | 1. Number of married/partnered men 15-49 years of age who report their wives/partners employed either at home or outside of the home at any time in the last 7 days 2. Number of married/partnered men 15-49 years of age who report their wives/partners have done any work either at home or outside of the home at any time in the past 12 months 3. Number of married/partnered men 15-49 years of age who report their wives/partners use an account in a bank or other savings institution in her own name or jointly with someone else |
| **Denominator:** | a-c) Total number of currently married or partnered men |
| **Questionnaire number:** | **Numerator**:   1. **MDM13.** *As you know, some women take up jobs for which they are paid in cash or kind. Others sell things, have a small business or work on the family farm or in the family business. In the last seven days, has your (wife/partner) done any of these things or any other work?* 2. **MDM14.** *Has your (wife/partner) done any work in the last 12 months?* 3. **MDM16.** *Does your (wife/partner) have a bank account or an account in any other savings institution in her own name or jointly with someone else?* |
| **Denominator**:   1. ***MFP1.*** *Are you currently married or living together with a woman as if married?* 2. ***HL3.*** *What is the relationship of (NAME) to the head of household?* |
| **Notes:**   1. Includes work at home or outside of the home. This indicator does not include housework that the respondent does herself. 2. Includes work at home or outside of the home. This indicator does not include housework that the respondent does herself. 3. Includes use of a bank account or other savings institution that is in her own name or is named jointly with someone else.  * Selection of denominator   + Use denominator A if you are interested in understanding men’s responses overall. One potential limitation of this approach is that the men included in this analysis are not necessarily the husbands/partners of the women who answered similar questions in the women’s module.   + Use denominator B if you are interested in understanding differences between men’s response and wife’s/partner’s response and conducting a paired analysis. One potential limitation of this approach is that this reduces the number of respondents included in the analysis. | |
| **References:** | |

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| Gender/Men’s: Decision Making | |
| 1. Percentage of married/partnered men age 15-49 who report their wife/partner is usually permitted to go to specific places outside of their home alone 2. Percentage of married/partnered men age 15-49 who report their wife/partner can mainly make decisions about their own health care 3. Percentage of married/partnered men age 15-49 who report their wife/partner can make decisions about major household purchases 4. Percentage of married/partnered men age 15-49 who report their wife/partner can make decisions about daily household purchases 5. Percentage of married/partnered men age 15-49 who report their wife/partner can make decisions about selling poultry 6. Percentage of married/partnered men age 15-49 who report their wife/partner can make decisions about selling livestock 7. Percentage of married/partnered men age 15-49 who report their wife/partner can make decisions to visit friends/family 8. Percentage of married/partnered men age 15-49 who report their wife/partner can make decisions about how many children and when to have them 9. Percentage of married/partnered men age 15-49 who report their wife/partner can mainly decide how her own income will be used | |
| **Numerator:** | 1. Number of married/partnered men 15-49 years of age who report their wives/partners are usually permitted to go to specific places outside of their home alone 2. Number of married/partnered men 15-49 years of age who report their wives/partners make decisions alone or jointly with someone else on their own health care 3. Number of married/partnered men 15-49 years of age who report their wives/partners make decisions alone or jointly with their husband on major purchases 4. Number of married/partnered men 15-49 years of age who report their wives/partners make decisions alone or jointly with their husband on daily purchases 5. Number of married/partnered men 15-49 years of age who report their wives/partners make decisions alone or jointly with their husband on selling poultry 6. Number of married/partnered men 15-49 years of age who report their wives/partners make decisions alone or jointly with their husband on selling livestock 7. Number of married/partnered men 15-49 years of age who report their wives/partners make decisions alone or jointly with their husband on visiting wife's family/relatives 8. Number of married/partnered men 15-49 years of age who report their wives/partners make decisions alone or jointly with their husband about how many children and when they should have them 9. Number of married/partnered men 15-49 years of age who report their wives/partners make decisions alone or jointly with someone else on how their own income will be used |
| **Denominator:** | a-i) Total number of currently married or partnered men |
| **Questionnaire number:** | **Numerator**:   1. **MA5.** *Do you think a man’s (wife/partner) should usually be permitted to go to the following places on her own, only if someone accompanies her, or not at all?*    * *To the local market to buy things?*    * *To a local health center or doctor?*    * *To the community center or other nearby meeting place?*    * *To homes of friends in the neighborhood?*    * *To a nearby shrine/mosque/temple/church?*    * *Just outside your house or compound?* 2. **MFP22.** *Who usually makes decisions about health care for your wife/partner: you, your (wife/partner), you and your (wife/partner) jointly, family/relative, you and family/relative jointly, someone else, or you and someone else jointly?* 3. **MA6a.** *In a couple, who do you think should have the greater say in each of the following decisions: the husband, the wife or both equally:*    * *making major household purchases?* 4. **MA6b.** *In a couple, who do you think should have the greater say in each of the following decisions: the husband, the wife or both equally:*    * *making purchases for daily household needs?* 5. **MA6c.** *In a couple, who do you think should have the greater say in each of the following decisions: the husband, the wife or both equally:*    * *selling household owned poultry (i.e. chicken, turkey, ducks)?* 6. **MA6d.** *In a couple, who do you think should have the greater say in each of the following decisions: the husband, the wife or both equally:*    * *selling household owned livestock, herds, and/or other farm animals (i.e. goats, sheep, cattle, pigs, donkey)* 7. **MA6e.** *In a couple, who do you think should have the greater say in each of the following decisions: the husband, the wife or both equally:*    * *deciding about visits to family or relatives?* 8. **MA6f.** *In a couple, who do you think should have the greater say in each of the following decisions: the husband, the wife or both equally:*    * *deciding how many children to have and when?* 9. **MDM15.** *Who usually decides how your (wife’s/partner's) earnings will be used: you, your (wife/partner), or you and your (wife/partner) jointly?* |
| **Denominator**:   1. ***MFP1.*** *Are you currently married or living together with a woman as if married?* 2. ***HL3.*** *What is the relationship of (NAME) to the head of household?* |
| **Notes:**   * Selection of denominator   + Use denominator A if you are interested in understanding men’s responses overall. One potential limitation of this approach is that the men included in this analysis are not necessarily the husbands/partners of the women who answered similar questions in the women’s module.   + Use denominator B if you are interested in understanding differences between men’s response and wife’s/partner’s response and conducting a paired analysis. One potential limitation of this approach is that this reduces the number of respondents included in the analysis.  1. Women are considered 'usually permitted' if they report being able to go to 3 or more of the specified locations 'alone'. This indicator measures a woman’s autonomy to decide how she uses her time. 2. Women are 'mainly' considered to have control over their own health care decision-making if they participate in decisions alone or jointly with someone else. (MFP22 = 1,3,5, or 7) 3. Women are 'mainly' considered to have control over major household purchase decision-making if they participate in decisions alone or jointly with their husband. 4. Women are 'mainly' considered to have control over daily household purchase decision-making if they participate in decisions alone or jointly with their husband. 5. Women are 'mainly' considered to have control over poultry selling decision-making if they participate in decisions alone or jointly with their husband. 6. Women are 'mainly' considered to have control over livestock selling decision-making if they participate in decisions alone or jointly with their husband. 7. Women are 'mainly' considered to have control over visiting their family/relatives decision-making if they participate in decisions alone or jointly with their husband. 8. Women are 'mainly' considered to have control over number of children decision-making if they participate in decisions alone or jointly with their husband. 9. Women are 'mainly' considered to have control over their own income if they participate in decisions alone or jointly with someone else. | |
| **References:** | |

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| Gender/Men’s: Norms and Beliefs | |
| 1. Percentage of men aged 15-49 who think a husband is justified in hitting or beating his wife under certain circumstances 2. Percentage of men aged 15-49 who respond that childbearing is a women's concern 3. Percentage of men aged 15-49 who respond that a doctor is necessary for delivery 4. Percentage of men aged 15-49 who respond that a husband should accompany his wife to ANC 5. Percentage of men aged 15-49 who respond that a husband should accompany his wife to delivery 6. Percentage of men aged 15-49 who respond that contraception is a women's concern 7. Percentage of men aged 15-49 who respond that contraception is for promiscuous women 8. Percentage of men aged 15-49 who respond that a woman has right to refuse sex with her husband 9. Percentage of men aged 15-49 who respond that if woman refuses sex, husband has right to reprimand/get angry with her 10. Percentage of men aged 15-49 who respond that if woman refuses sex, husband has right to refuse money 11. Percentage of men aged 15-49 who respond that if woman refuses sex, husband has right to use force for sex 12. Percentage of men aged 15-49 who respond that if woman refuses sex, husband has right to have sex with another woman | |
| **Numerator:** | 1. Number of men aged 15-49 who accept domestic violence (any yes responses/ mix of yes and DK) 2. Number of men aged 15-49 who respond that childbearing is a women's concern. 3. Number of men aged 15-49 who respond that a doctor is necessary for delivery 4. Number of men aged 15-49 who respond that a husband should accompany his wife to ANC. 5. Number of men aged 15-49 who respond that a husband should accompany his wife to delivery. 6. Number of men aged 15-49 who report that contraception is a women's concern. 7. Number of men aged 15-49 who report that contraception is for promiscuous women. 8. Number of men aged 15-49 who report that a woman has right to refuse sex 9. Number of men aged 15-49 who report that if woman refuses sex, husband has right to reprimand/get angry with her 10. Number of men aged 15-49 who report that if woman refuses sex, husband has right to refuse money 11. Number of men aged 15-49 who report that if woman refuses sex, husband has right to use force for sex 12. Number of men aged 15-49 who report that if woman refuses sex, husband has right to have sex with another woman |
| **Denominator:** | a-l) Total number of men aged 15-49 |
| **Questionnaire number:** | **Numerator**:   1. **MA8.** *Sometimes a husband is annoyed or angered by things that his wife does. In your opinion, is a husband justified in hitting or beating his wife in the following situations:*    * *If she goes out without telling him?*    * *If she neglects the children?*    * *If she argues with him?*    * *If she refuses to have sex with him?*    * *If she burns the food*    * *If she refuses to give her earned money to her husband/partner?*    * *If she uses contraception without informing her husband/partner?* 2. **MA4a.** *I will now read you some statements about pregnancy. Please tell me if you agree or disagree with them. Childbearing is a woman's concern only and there is no need for the father to get involved.* 3. **MA4b.** *I will now read you some statements about pregnancy. Please tell me if you agree or disagree with them. It is crucial for the mother's and child's health that a woman have assistance from a doctor or nurse at delivery.* 4. **MA1.** *In your opinion, should a husband/partner accompany his wife/partner for an antenatal care visit whether she is pregnant?* 5. **MA2.** *In your opinion, should a husband/partner accompany his wife/partner for delivery?* 6. **MA7a.** *I will now read you some statements about contraception. Please tell me if you agree or disagree with each one.*    * *Contraception is a woman’s concern only and a man should not have to worry about it.* 7. **MA7b.** *I will now read you some statements about contraception. Please tell me if you agree or disagree with each one.*    * *Women who use contraception may become promiscuous.* 8. **MA9a.** *In your community, do you think that a woman has the right to refuse to have sex with: Her husband?* 9. **MA10a.** *Do you think that if a woman refuses to have sex with her husband when he wants her to, he has the right to:*    * *Get angry and reprimand her?* 10. **MA10b.** *Do you think that if a woman refuses to have sex with her husband when he wants her to, he has the right to:*     * *Refuse to give her money or other means of support?* 11. **MA10c.** *Do you think that if a woman refuses to have sex with her husband when he wants her to, he has the right to:*     * *Use force and have sex with her even if she doesn't want to?* 12. **MA10d.** *Do you think that if a woman refuses to have sex with her husband when he wants her to, he has the right to:*     * *Have sex with another woman?* |
| **Denominator**:   1. ***MFP1.*** *Are you currently married or living together with a woman as if married?* 2. ***HL3.*** *What is the relationship of (NAME) to the head of household?* |
| **Notes:**   * Selection of denominator   + Use denominator A if you are interested in understanding men’s responses overall. One potential limitation of this approach is that the men included in this analysis are not necessarily the husbands/partners of the women who answered similar questions in the women’s module.   + Use denominator B if you are interested in understanding differences between men’s response and wife’s/partner’s response and conducting a paired analysis. One potential limitation of this approach is that this reduces the number of respondents included in the analysis.  1. Percent of respondents aged 18-49 years who agree with at least one specified reason for a husband beating his wife: i) burns the food, ii) argues with husband, iii) goes out without telling the husband, iv) neglects the children or v) refuses to have sex with husband | |
| **References:** | |