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### Illustrative Indicators for LQAS Household Surveys for Maternal, Newborn, and Child Health Programs

The table below presents illustrative indicators for LQAS household surveys for maternal, newborn, and child health (MNCH) programs. Note that this is not an exhaustive list of all relevant MNCH indicators, but rather a menu of some of the more common indicators which may be useful for program monitoring. Note that the `questionnaire` column shows which questions provide the data for the indicator. In selected cases, it also suggests alternative universes for these data, which may help managers with a 6 monthly program monitoring and bottleneck analysis. While we recommend that many of these indicators be measured every 6-months, we recognise that budgetary constraints may require assessments at longer intervals such as 12-months. The important message is that these indicators should be measured as frequently as is programmatically possible, and relevant. The questionnaire referred to in a column 4 is a *set of generic questionnaires which accompanies this indicator list.*

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| --- | --- | --- | --- | --- |
| No | INDICATOR  | NUMERATOR/DENOMINATOR | QUESTIONNAIRE | FREQUENCY |
| IMMUNIZATION  |
| 1 | **Proportion of children 12-23 months who have received DPT1/Penta 1 before their first birthday** | **Numerator:** Number of children 12-23 months who have received DPT 1/Penta 1 according to the child’s vaccination card or the mothers recall**Denominator:** Total number of children 12-23 months surveyed. | Household Survey, 12-23 months group; questions CV2 or CV7*Alternative group: 2-5 months[[1]](#footnote-1), to facilitate 6 monthly monitoring*  | 6-12 months |
| 2 | **Proportion of children 12-23 months who have received DPT3/Penta 3 before their first birthday** | **Numerator:** Number of children 12-23 months who have received DPT 3/Penta 3 according to the child’s vaccination card or the mothers recall**Denominator:** Total number of children 12-23 months surveyed. | Household Survey, 12-23 months group; questions CV2 or CV8*Alternative group: 6-11 months[[2]](#footnote-2)2, to facilitate 6 monthly monitoring* | 6-12 months |
| 3 | **Proportion of children 12–23 months who have received measles vaccine before their first birthday** | **Numerator:** Number of children 12-23 months who have received measles vaccine according to the child’s vaccination card or the mother’s recall**Denominator:** Total number of children 12-23 months surveyed. | Household Survey, 12-23 months group, questions CV2 or CV9 | 6-12 months |
| 4 | **Proportion of children 12–23 months fully immunised before their first birthday** | **Numerator:** Number of children 12-23 months who have received all scheduled vaccinations by their first birthday according to the child’s vaccination card or the mothers recall**Denominator:** Total number of children 12-23 months surveyed. | Household Survey, 12-23 months group, questions CV2 to CV9 | 6-12 months |
| 5 | **Proportion of mothers of infants 0-5 months who received two or more doses of tetanus toxoid during their last pregnancy or who had life time immunity** | **Numerator:** Numberof mothers of infants 0-5 months who have received two or more doses of tetanus toxoid during their last pregnancy according to their antenatal or vaccination card **or who had life time immunity by having had 5 doses**.**Denominator:** Total number of mothers of infants 0-5 months surveyed. | Household Survey, 0-5 months group, question TT1 *Alternative group: 0-11 months[[3]](#footnote-3)2 for child survival programs* | 6-12 Months |
| UMBILICAL CORD CARE |
| 6 | **Proportion of mothers of infants 0-5 months who practiced appropriate umbilical cord care after birth** | **Numerator:** Number of mothers of infants 0-5 months who practice appropriate umbilical cord care after birth (new or boiled blade is used, applied nothing or antiseptic as per national standards) **Denominator:** Total number of mothers of infants 0-5 months surveyed. | Household Survey, 0-5 months group, question BA12, 13, 14*Alternative group: 0-11 months[[4]](#footnote-4)2 for child survival programs* | 6-12 Months |
| INFANT FEEDING |
| 7 | **Proportion of infants 0-5 months who were exclusively breast-fed in the past 24 hours**  | **Numerator:** Number ofinfants 0-5 months who received breast milk only in the preceding 24 hours**Denominator:** Total number of infants 0-5 months surveyed | Household Survey, 0-5 months group, questions BF6, BF7 and BF8;  | 6-12 Months |
| 8 | **Proportion of mothers of infants 0-5 months who report having received messages or counselling on exclusive breastfeeding from an appropriate provider (trained in breastfeeding counselling as per national standards) in the last 6 months** | **Numerator:** Number of mothers of infants 0-5 months of age who report having received messages or counselling on exclusive breast feeding by an appropriate provider (trained in breastfeeding counselling as per national standards) in the preceding 6 months**Denominator:** Total number of mothers of infants 0-5 months surveyed | Household Survey, 0-5 months group, question CH4 or CH6*Alternative group: 0-11 months[[5]](#footnote-5)2 for child survival programs* |  |
| 9 | **Proportion of infants 0-5 months[[6]](#footnote-6)3 who were breastfed within one hour of birth** | **Numerator:** Number of mothers of infants 0-5 months who report breast feeding within one hour of giving birth**Denominator:** Total number of mothers of infants 0-5 months surveyed | Household Survey, 0-5 months group, question BF2 | 6-12 Months |
|  | **VITAMIN A SUPPLEMENTATION**  |  |  |
| 10 | **Proportion of children 12-23 months[[7]](#footnote-7)4 who received a vitamin A supplement in the last 6 months** | **Numerator:** Number ofchildren 12-23 months who received a dose of vitamin A in the last 6 months according to either the vaccination card or the mother’s report (after being shown an example of a vitamin A capsule)**Denominator:** Total number of mothers of children 12-23 months surveyed | Household Survey, 12-23 months group, questions VA2 and VA3*Alternative groups: 6-11 months[[8]](#footnote-8)5, 12-59 months[[9]](#footnote-9)6, 6-59 months* | 6-12 Months |
|  | **EMTCT** |  |  |  |
| 11 | **Proportion of mothers of infants 0-5 months who correctly identify all three ways that HIV can be transmitted from a mother to her child.** | **Numerator:** Number of mothers of infants 0-5 months who correctly identify the three ways HIV is transmitted from mother to infant (during delivery, during pregnancy, during breast feeding)**Denominator:** Total number of mothers of infants 0-5 months surveyed | Household Survey, 0-5 months group, question ET2*Alternative groups: 0-11 months for child survival programs* | 6-12 Months |
| 12 | **Proportion of mothers of infants 0-5 months who were offered an HIV test as part of ANC during their last pregnancy.** | **Numerator:** Number of mothers of infants 0-5 months who were offered an HIV test during their last pregnancy. (Does not have to be with partner.)**Denominator:** Total number of mothers of infants 0-5 months surveyed*Note: ‘During pregnancy’ includes during pregnancy, during labour and delivery, and during the post-partum period <72 hours after birth*  | Household Survey, 0-5 months group, question ET5*Alternative groups: 0-11 months for child survival programs* | 6-12 months |
| 13 | **Proportion of mothers of infants 0-5 months who took a HIV test as part of ANC during their last pregnancy**  | **Numerator:** Number of mothers of infants 0-5 months who were offered an HIV test, took it, and found out the result. Does not have to be with partner.**Denominator:** Total number of mothers of infants 0-5 months surveye*d**Note: ‘During pregnancy’ includes during pregnancy, during labour and delivery, and during the post-partum* *period <72 hours after birth*   | Household Survey, 0-5 months group, question ET6 *Alternative group: 0-11 months[[10]](#footnote-10)2 for child survival programs* | 6-12 Months |
| 14 | **Proportion of mothers of infants 0-5 months who took a HIV test as part of ANC during their last pregnancy and received their test result.**  | **Numerator:** Number of mothers of infants 0-5 months who were offered an HIV test, took it, and found out the result. Does not have to be with partner.**Denominator:** Total number of mothers of infants 0-5 months surveye*d**Note: ‘During pregnancy’ includes during pregnancy, during labour and delivery, and during the post-partum* *period <72 hours after birth*   | Household Survey, 0-5 months group, question ET7*Alternative group: 0-11 months[[11]](#footnote-11)2 for child survival programs* | 6-12 Months |
| 15 | **Proportion of mothers of infants 0-5 months who took a HIV test as part of ANC during their last pregnancy, received their test result and were counselled on the result** | **Numerator:** Number of mothers of infants 0-5 months who were offered an HIV test, took it, found out the result, and received counselling on the result. Does not have to be with partner.**Denominator:** Total number of mothers of infants 0-5 months surveyed*Note: ‘During pregnancy’ includes during pregnancy, during labour and delivery, and during the post-partum* *period <72 hours after birth*   | Household Survey, 0-5 months group, question ET8*Alternative group: 0-11 months[[12]](#footnote-12)2 for child survival programs* | 6-12 Months |
| 16 | **Proportion of mothers of infants 0-5 months who correctly identify at least two ways of preventing mother to child transmission of HIV**  | **Numerator:** Number of mothers of infants 0-5 months who correctly identify at least two ways of preventing mother child transmission of HIV (can include ARVs for mother, ARVs for infant, delivery with skilled birth attendant, testing for HIV)**Denominator:** Total number of mothers of infants 0-5 months surveyed | Household Survey, 0-5 months group, question ET4*Alternative groups: 0-11 months for child survival programs* | 6-12 Months |
|  | **WATER SUPPLY**  |  |  |  |
| 17 | **Proportion of households with children 0-59 months using improved drinking water sources**  | **Numerator:** Number of households with children 0-59 months of age where water is used year round from one of the following sources: Piped water into dwelling, piped into a plot or yard, piped water to a neighbor, public tap/standpipe, tubewell/borehole, protected dug well, protected spring, rainwater **Denominator:** Total number of households with children 0-59 months surveyed | Household Survey, 0-59 months group, question WS1*Alternative groups: 0-11 months, 0-23 months for child survival programs* | 6-12 months |
| 18 | **Proportion of households with children 0-59 months using an adequate treatment method for drinking water** | **Numerator:** Number of households having children 0-59 months that use an adequate treatment method for drinking water by boiling, adding bleach/chlorine, using a water filter, solar disinfection **Denominator:** Total number of households with children 0-59 months surveyed | Household Survey, 0-59 months group, question WS3*Alternative groups: 0-11 months, 0-23 months for child survival programs* | 6-12 months |
|  | **HAND WASHING PRACTICES** |  |  |
| 19 | **Proportion of households with children 0-59 months with a designated place for hand-washing where water and soap are present** | **Numerator:** Number of households with children 0-59 months with a designated place for hand washing where water and soap are present(observed by the data collector on the day of the survey)**Denominator:** Total number of households with a child 0-59 months surveyed | Household Survey, 0-59 months group, questions HW3 and HW4*Alternative groups: 0-11 months, 0-23 months for child survival programs* | Annual |
| 20 | **Proportion of mothers of children 0-59 months who know when to practice hand washing with soap**  | **Numerator:** Number of mothers of infants 0-59 months who know to wash their hands before preparing food, before eating, before feeding a child, after defecation and after cleaning a child who has defecated**Denominator:** Total number of mothers with a child 0-59 months surveyed | Household Survey, 0-59 months group, question HW1*Alternative groups: 0-11 months, 0-23 months for child survival programs* | Annual |
|  | **SANITATION COVERAGE** |  |  |  |
| 21 | **Proportion of mothers of children 0-59 months of age who report that household members usually use an improved sanitation facility**  | **Numerator:** Number of mothers of children 0-59 months who report that members of their household usually use one of the following types of toilet facility: flush toilet with connection to an onsite septic system; flush toilet with connection to a public sewer; pour-flush latrine with a connection to an onsite disposal system; simple pit latrine; ventilated improved pit latrine; composting toilet. (Toilet must be observed by the data collector).**Denominator:** Total number of households with a child 0-59 months surveyed | Household Survey, 0-59 months group, questions LU3*Alternative groups: 0-11 months, 0-23 months for child survival programs* | Annual |
| 22 | **Proportion of mothers of children 0-59 months of age who report that household members usually practice open defecation** | **Numerator:** Number of mothers of children 0-59 months who report that members of their household usually use one of the following: no facility, bush, field. **Denominator:** Total number of households with a child 0-59 months surveyed | Household Survey, 0-59 months group, questions LU3*Alternative groups: 0-11 months, 0-23 months for child survival programs* | Annual |
|  | **CARE SEEKING BEHAVIOUR FOR PNEUMONIA, DIARRHOEA, MALARIA and MALNUTRITION**  |  |
| 23 | **Proportion of mothers of children 0-59 months who have had contact with a CHW in the last 3 months for health or nutrition education or assessment/treatment for their child.**  | **Numerator:** Number of mothers of children 0-59 months who have had contact with a CHW in the last 3 months for health or nutrition education or assessment/screening/treatment for their child.**Denominator:** Total number of mothers of children 0-59 months surveyed | Household Survey, 0-59 months group, question CW6*Alternative groups: 0-11 months, 0-23 months for child survival programs* | 6-12 months |
|  PREVALENCE OF DIARRHOEA, COUGH AND FEVER AS REPORTED BY MOTHER  |
| 24 | **Prevalence of diarrhoea among children 0-59 months in the last two weeks** | **Numerator:** Number of children 0-59 months who have had diarrhoea (defined as three or more watery stools in a 24hr period) in the last two weeks**Denominator:** Total number of children 0-59 months surveyed  | Household Survey, 0-59 months group, question PR1*Alternative groups: 0-11 months, 0-23 months for child survival programs* | 6-12 months |
| 25 | **Prevalence of presumed pneumonia among children 0-59 months in the last two weeks** | **Numerator:** Number of children 0-59 months who have had cough and fast or difficult breathing due to a problem in the chest in the last two weeks**Denominator:** Total number of children 0-59 months surveyed | Household Survey, 0-59 months group, question PR3, PR4*Alternative groups: 0-11 months, 0-23 months for child survival programs* | 6-12 months |
| 26 | **Prevalence of fever among children 0-59 months in the last two weeks** | **Numerator:** Number of children 0-59 months who have had fever in the last two weeks**Denominator:** Total number of children 0-59 months surveyed | Household Survey, 0-59 months group, question PR2*Alternative groups: 0-11 months, 0-23 months for child survival programs* | 6-12 months |
|  TREATMENT/MANAGEMENT OF PNEUMONIA, DIARRHOEA AND MALARIA  |
| 27 | **Proportion of children 0-59 months with presumed pneumonia in the last two weeks who received an appropriate antibiotic from any appropriate provider**  | **Numerator:** Number of children 0-59 months with cough and fast or difficult breathing due to a problem in the chest in the last two weeks who received an appropriate antibiotic (as per local guidelines) from any appropriate provider **Denominator:** Total number of children 0-59 months with cough and fast or difficult breathing due to a problem in the chest in the last two weeks surveyed | Household Survey, Children aged 0-59 months with cough and rapid breathing in last 2 weeks group, questions CM8*Alternative groups: 0-11 months, 0-23 months for child survival programs* | 6-12 months |
| 28 | **Proportion of children 0-59 months with fever in the last two weeks who received treatment with an appropriate antimalarial (as per local guidelines) from any provider**  | **Numerator:** Number of children 0-59 months with fever in the last two weeks who received an appropriate antimalarial (as per local guidelines) from any provider **Denominator:** Total number of children 0-59 months with fever in the last two weeks surveyed | Household Survey, Children aged 0-59 months with fever in last 2 weeks group, questions CM5*Alternative groups: 0-11 months, 0-23 months for child survival programs* | 6-12 months |
| 29 | **Proportion of children 0-59 months with fever in the last two weeks who received a finger or heel prick test** | **Numerator:** Number of children 0-59 months with fever in the last two weeks who received a finger or heel prick test **Denominator:** Total number of children 0-59 months with fever in the last two weeks surveyed | Household Survey, Children aged 0-59 months with fever in last 2 weeks group, questions CM10*Alternative groups: 0-11 months, 0-23 months for child survival programs* | 6-12 months |
| 30 | **Proportion of children 0-59 months with diarrhoea in the last two weeks who received treatment with ORS from any provider**  | **Numerator:** Number of children 0-59 months with diarrhoea (defined as three or more watery stools in a 24hr period) in the last two weeks who received ORS from any provider **Denominator:** Total number of children 0-59 months with diarrhoea in the last two weeks surveyed | Household Survey, Children aged 0-59 months with diarrhoea in last 2 weeks group, questions CM5*Alternative groups: 0-11 months, 0-23 months for child survival programs*  | 6-12 months |
| 31 | **Proportion of children 0-59 months with diarrhoea in the last two weeks who received treatment with ORS from any provider and continued feeding during the episode of diarrhoea** | **Numerator:** Number of children 0-59 months with diarrhoea (defined as three or more watery stools in a 24hr period) in the last two weeks who received ORS from any provider and continued feeding during the episode of diarrhoea**Denominator:** Total number of children 0-59 months with diarrhoea in the last two weeks surveyed | Household Survey, Children aged 0-59 months with diarrhoea in last 2 weeks group, questions CM4, CM5 *Alternative groups: 0-11 months, 0-23 months for child survival programs*  | 6-12 months |
| 32 | **Proportion of children 0-59 months with diarrhoea in the last two weeks who received treatment with Zinc from any provider**  | **Numerator:** Number of children 0-59 months with diarrhoea (defined as three or more watery stools in a 24hr period) in the last two weeks who received Zinc from any provider **Denominator:** Total number of children 0-59 months with diarrhoea in the last two weeks surveyed | Household Survey, Children aged 0-59 months with diarrhoea in last 2 weeks group, questions CM5*Alternative groups: 0-11 months, 0-23 months for child survival programs*  | 6-12 months |
| 33 | **Proportion of children 0-59 months with diarrhoea in the last two weeks who received treatment with ORS and Zinc from any provider**  | **Numerator:** Number of children 0-59 months with diarrhoea (defined as three or more watery stools in a 24hr period) in the last two weeks who received ORS and zinc from any provider **Denominator:** Total number of children 0-59 months with diarrhoea in the last two weeks surveyed | Household Survey, Children aged 0-59 months with diarrhoea in last 2 weeks group, questions CM5*Alternative groups: 0-11 months, 0-23 months for child survival programs*  | 6-12 months |
| 34 | **Proportion of mother of children 0-59 months who can correctly demonstrate how to prepare ORS** | **Numerator:** Number of mothers of children 0-59 months with who can correctly demonstrate how to prepare ORS, including washing hands, using one litre of clean water, using the whole packet of ORS, and dissolving the powder fully. **Denominator:** Total number of mothers of children 0-59 months surveyed | Household Survey, Children aged 0-59 months, questions OR5 | 6-12 months |
|  | **CAREGIVER KNOWLEDGE OF CHILD DANGER SIGNS**  |  |
| 35 | **Proportion of mothers of children 0-59 months who know at least two danger signs of diarrhoea** | **Numerator:** Number of mothers of children 0-59 months who know at least two of the following danger signs: Unable to eat or drink; unresponsive; child vomits everything; very loose and baggy skin; sunken eyes**Denominator:** Total number of mothers of children 0-59 months surveyed | Household Survey, 0-59 months group, question DS1*Alternative groups: 0-11 months, 0-23 months for child survival programs* | Annual |
| 36 | **Proportion of mothers of children 0-59 months who know at least two danger signs of fever** | **Numerator:** Number of mothers of children 0-59 months who know at least two the following danger signs: Unable to eat or drink; unresponsive; child vomits everything; convulsions; yellow eyes; black urine**Denominator:** Total number of mothers of children 0-59 months surveyed | Household Survey, 0-59 months group, question DS2*Alternative groups: 0-11 months, 0-23 months for child survival programs* | Annual |
| 37 | **Proportion of mothers of children 0-59 months who know at least two danger signs of pneumonia** | **Numerator:** Number of mothers of children 0-59 months who know at least two the following danger signs: Unable to eat or drink; unresponsive; child vomits everything; very fast breathing; chest in-drawing; noise on breathing in**Denominator:** Total number of mothers of children 0-59 months surveyed | Household Survey, 0-59 months group, question DS3*Alternative groups: 0-11 months, 0-23 months for child survival programs* | Annual |
|  INTERMITENT PROPHYLACTIC THERAPY  |
| 38 | **Proportion of mothers of infants 0-5 months who received two doses of IPT during last pregnancy** | **Numerator:** Number of mothers of children 0-5 months who received two doses of IPT during her last pregnancy according to either her maternity card or recall**Denominator:** Total number of mothers of children 0-5 months surveyed | Household Survey, 0-5 months group, question IT3*Alternative groups: 0-11 months, 0-23 months for child survival programs* | 6-12 months |
|  ANTENATAL CARE |
| 39 | **Proportion of mothers of infants 0-5 months who attended at least one ANC visit during their last pregnancy**  | **Numerator:** Number of mothers of children 0-5 months who attended at least one ANC visit during their last pregnancy according to either her maternity card or recall **Denominator:** Total number of mothers of children 0-5 months surveyed | Household Survey, 0-5 months group, question AC2*Alternative groups: 0-11 months for child survival programs* | 6-12 months |
| 40 | **Proportion of mothers of infants 0-5 months who attended four ANC visits during their last pregnancy**  | **Numerator:** Number of mothers of children 0-5 months who attended four or more ANC visit during their last pregnancy according to either her maternity card or recall **Denominator:** Total number of mothers of children 0-5 months surveyed | Household Survey, 0-5 months group, question AC3 OR AC5*Alternative groups: 0-11 months for child survival programs* | 6-12 months |
| 41 | **Proportion of mothers of infants 0-5 months who attended their first ANC visit at < 4 months pregnant** | **Numerator:** Number of mothers of children 0-5 months who attended their first ANC visit at <4 months of their last pregnancy**Denominator:** Total number of mothers of children 0-5 months surveyed | Household Survey, 0-5 months group AC6*Alternative groups: 0-11 months for child survival programs* | 6-12 months |
|  SKILLED DELIVERY  |
| 42 | **Proportion of mothers of infants 0-5 months who gave birth with a skilled birth attendant** | **Numerator:** Number of mothers of children 0-5 months who gave birth with a nurse, doctor, midwife or health worker trained as a skilled birth attendant **Denominator:** Total number of mothers of children 0-5 months surveyed | Household Survey, 0-5 months group, question BA1*Alternative groups: 0-11 months for child survival programs* | 6-12 months |
| 43 | **Proportion of mothers of infants 0-5 months who gave birth in a health facility**  | **Numerator:** Number of mothers of children 0-5 months who gave birth in a health facility**Denominator:** Total number of mothers of children 0-5 months surveyed | Household Survey, 0-5 months group, question BA2*Alternative groups: 0-11 months for child survival programs* | 6-12 months |
|  | **POSTNATAL CARE** |  |  |  |
| 44 | **Percentage of mothers of infants 0-5 months who received postnatal care within two days****of childbirth** | **Numerator:** Number of mothers of infants 0-5 months who received postnatal care within two days of childbirth (regardless of place of delivery)**Denominator:** Total number of mothers of infants 0-5 months surveyed | Household Survey, 0-5 months group, question BA6 and BA7 *Alternative groups: 0-11 months for child survival programs* | 6-12 months |
| 45 | **Percentage of mothers of infants 0-5 months who report that their infant received postnatal care within two days****of childbirth** | **Numerator:** Number of mothers of children 0-5 months who report that their infant received postnatal care within two days of childbirth (regardless of place of delivery)**Denominator:** Total number of mothers of infants 0-5 months surveyed | Household Survey, 0-5 months group, question BA9 and BA10*Alternative groups: 0-11 months for child survival programs* | 6-12 months |
|  | **CONTRACEPTIVE USE** |  |  |  |
| 46 | **Proportion mothers of children 12-23 months who are using a modern method of contraception** | **Numerator:** Number of mothers of children 12-23 who are currently using a modern method of contraception, including: pill, IUD, implant, injection, condom, spermicide, diaphragm, and sterilization (tubal ligation and vasectomy)**Denominator:** Total number of mothers of children 12-23 surveyed | Household Survey, 12-23 months group, question FP4*Alternative Universe: women (married or in a union and not pregnant) ages 15-49* | Annual |
| 47 | **Unmet need for family planning amongst mothers of children 12-23 months**  | **Numerator:** Proportion of mothers 12-23 months who are not using contraception and desire to either stop childbearing or postpone their next birth for at least two years ,who are not using contraception and, at the time they became pregnant, had wanted to delay or prevent the pregnancy**Denominator:** Total number of women surveyed who report not wanting any more children or wanting to delay the birth of their next child | Household Survey, 12-23 months group, question FP1, FP2, FP3 and FP4*Alternative Universe: women (married or in a union) ages 15-49* | Annual |

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| --- | --- | --- |
|  | LLIN COVERAGE (OWNERSHIP AND USE) |  |
| 48 | **Proportion of households with children 0-59 months that own at least one LLIN[[13]](#footnote-13)** | **Numerator:** Number of household with a child 0-59 months having at least one LLIN, observed by the data collector**Denominator:** Total number of households with a child 0-59 months surveyed | Household Survey, 0-59 months group, question BN1 | Annual |
| 49 | **Proportion of children 0-59 months who slept under a LLIN the night preceding the survey** | **Numerator:** Number of children 0-59 months who slept under an LLIN the night preceding the survey**Denominator:** Total number of children 0-59 months surveyed | Household Survey, 0-59 months group, question BN4 | Annual |
| 50 | **Proportion of mothers of infants 0-5 months who slept under a LLIN during last pregnancy** | **Numerator:** Number of mothers of children 0-5 months who slept under a LLIN during her last pregnancy**Denominator:** Total number of mothers of a child 0-5 months surveyed | Household Survey, 0-5 months group, question BN1 AND BN2*Alternative groups: 0-11 months for child survival programs* | Annual |

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1. 1 For the purpose of program monitoring every 6 months, the 2-5 month universe is ideal as a measure of initial utilization. If the purpose is for evaluation, or if the numbers of universes need to be limited, use the standard MICS/DHS age group of 12-23 months. This is the recommended WHO age group that has been used for many years. Also, many nations may be equipped for monitoring every 12 months. [↑](#footnote-ref-1)
2. 2 For the purpose of program monitoring every 6 months, the 6-11 month universe is ideal as a measure of continuous utilization. If the purpose is for evaluation, or if the numbers of universes need to be limited, use the standard MICS/DHS age group of 12-23 months. This is the recommended WHO age group that has been used for many years. Also, many nations may be equipped for monitoring every 12 months. [↑](#footnote-ref-2)
3. 2 For the purpose of program monitoring every 6 months, the 6-11 month universe is ideal as a measure of continuous utilization. If the purpose is for evaluation, or if the numbers of universes need to be limited, use the standard MICS/DHS age group of 12-23 months. This is the recommended WHO age group that has been used for many years. Also, many nations may be equipped for monitoring every 12 months. [↑](#footnote-ref-3)
4. 2 For the purpose of program monitoring every 6 months, the 6-11 month universe is ideal as a measure of continuous utilization. If the purpose is for evaluation, or if the numbers of universes need to be limited, use the standard MICS/DHS age group of 12-23 months. This is the recommended WHO age group that has been used for many years. Also, many nations may be equipped for monitoring every 12 months. [↑](#footnote-ref-4)
5. 2 For the purpose of program monitoring every 6 months, the 6-11 month universe is ideal as a measure of continuous utilization. If the purpose is for evaluation, or if the numbers of universes need to be limited, use the standard MICS/DHS age group of 12-23 months. This is the recommended WHO age group that has been used for many years. Also, many nations may be equipped for monitoring every 12 months. [↑](#footnote-ref-5)
6. 3 The standard IYCF universe for this indicator is children 0-24 months, however the 0-5 month universe may be useful for monitoring programs every 6 months [↑](#footnote-ref-6)
7. 4 The standard DHS/MICS universe for this indicator is children 6-59 months. If the number of universes needs to be limited, use the 12-23 month universe (also used for immunization). [↑](#footnote-ref-7)
8. 5 For the purpose of program monitoring every 6 months the 6-11 month universe is useful as a proxy for initial utilization. If the number of universes needs to be limited use the 6-59 month universe (standard DHS/MICS) or the 12-23 month universe (also used for immunization). [↑](#footnote-ref-8)
9. 6 For program monitoring every 6 months, the 12-59 month universe provides a proxy for continuous utilisation. If the number of universes needs to be limited use the 6-59 month universe (standard DHS/MICS) or the 12-23 month universe (also used for immunization). [↑](#footnote-ref-9)
10. 2 For the purpose of program monitoring every 6 months, the 6-11 month universe is ideal as a measure of continuous utilization. If the purpose is for evaluation, or if the numbers of universes need to be limited, use the standard MICS/DHS age group of 12-23 months. This is the recommended WHO age group that has been used for many years. Also, many nations may be equipped for monitoring every 12 months. [↑](#footnote-ref-10)
11. 2 For the purpose of program monitoring every 6 months, the 6-11 month universe is ideal as a measure of continuous utilization. If the purpose is for evaluation, or if the numbers of universes need to be limited, use the standard MICS/DHS age group of 12-23 months. This is the recommended WHO age group that has been used for many years. Also, many nations may be equipped for monitoring every 12 months. [↑](#footnote-ref-11)
12. 2 For the purpose of program monitoring every 6 months, the 6-11 month universe is ideal as a measure of continuous utilization. If the purpose is for evaluation, or if the numbers of universes need to be limited, use the standard MICS/DHS age group of 12-23 months. This is the recommended WHO age group that has been used for many years. Also, many nations may be equipped for monitoring every 12 months. [↑](#footnote-ref-12)
13. LLIN = Long Lasting Insecticide Treated Bednet [↑](#footnote-ref-13)