| **Original data dictionary** | | | | | | |
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| # | Variable name | Variable | Data type | Measurement units | Values/categories | Notes |
| 1 | district\_name | District name | Character |  |  |  |
| 2 | child\_sex | Sex of child | Character (categorical) |  | male, female, NA |  |
| 3 | q901\_line | Mother/caregiver’s line number from another portion of the survey | Integer |  |  | Can be removed for this analysis |
| 4 | q902 | If the respondent is the child’s biological mother | Character (categorical) |  | biological mother, caregiver, other |  |
| 5 | q903\_year | Birthdate year | Integer |  |  | Cleaning required (2017 vs 17 recorded)  Could be removed after initial analysis, less meaningful compared to age in months |
| 6 | q904 | Source of birthdate year | Character (categorical) |  | Health passport, church record, clinic card, home record, calendar of events, mother/caregiver recall, other | Could be removed for this analysis |
| 7 | q905 | Child age in months | Integer |  |  | Cleaning required |
| 8 | q905a | If the child’s age is between 0 and 11 months | Character |  | true, false, *blank* | To change to Boolean |
| 9 | q906\_1 through q906\_4 | Who assisted with the child’s birth (multiple responses) | Q906\_1 through q906\_3 are character (categorical), q906\_4 is logical |  | Doctor/clinical officer, nurse/midwife, trained traditional birth attendant, untrained traditional birth attendant, community health worker, relative/friend, other, none, 95, NA, *blank* |  |
| 10 | q907 | Where the birth took place | Character (categorical) |  | Govt. hospital/health center/clinic, mission hospital/health center/clinic, pvt. Hospital/health center/clinic, own home, other’s home, other, *blank* |  |
| 11 | q907a | Confirm if respondent is the biological mother | Character |  | true, false, *blank* | Can be removed for this analysis, duplicate |
| 12 | q908 | If the mother received a vitamin A dose after birth | Character (categorical) |  | Yes, no, dk (don’t know), *blank* | Could be converted to boolean |
| 13 | q908b | If q908 yes, where did they receive the vitamin A dose from | Character (categorical) |  | At maternity/labor ward before discharge, at the postnatal clinic after discharge, in the community during Vitamin A supplementation campaign, at health worker outreach clinic, other, none, *blank* |  |
| 14 | q909 | The last time the child passed stool, where were the faeces disposed of? | Character (categorical) |  | Dropped into toilet facility, dropped into rubbish put, rinsed/washed away, buried in yard, throw in the compound, throw outside the compound, did nothing/left it there, other, *blank* |  |
| 15 | q910 | The last time the child passed stool, where was the waste water disposed of? | Character (categorical) |  | Water discarded into toilet facility, water discarded into sink or tub connected to drainage system, water discarded outside, other, *blank* |  |
| 16 | q911\_1 through q911\_4 | When does the respondent wash their hands with soap/ash/cleaning agents? (multiple responses) | Character (categorical) |  | Never, before food preparation, after food preparation, before feeding children, before cleaning children, after visiting the toilet, after attending to a child who has defecated, before eating food, after eating food, other, 95, 97, *blank* |  |
| 17 | q912 | The household has a bed net | Character |  | true, false | To be converted to boolean  q912 and q913 could be combined |
| 18 | q913 | If the child slept under a long lasting insecticide-treated bed net last night | Character (categorical) |  | Yes, no, 98, *blank* | q912 and q913 could be combined  Could be converted to boolean |
| 19 | q920 | If the child was ever weighed at a Ministry of Health GMP session | Character |  | true, false, *blank* | To be converted to boolean  Q920b only asked if q920 was FALSE, could combine |
| 20 | q920b | If the child was ever weighed at a CHAM facility GMP session | Character |  | true, false, *blank* | To be converted to Boolean  Q920b only asked if q920 was FALSE, could combine |
| 21 | q921 | If the child has a health passport or GMP card | Character (categorical) |  | Yes seen, yes not seen, no, *blank* |  |
| 22 | q922 | If the child was weighed in the last month | Character |  | true, false, *blank* | To be converted to Boolean |
| 23 | q923 | If the child was weighed twice in the past three months | Character |  | true, False, *blank* | To be converted to Boolean |
| 24 | q924\_1 through q924\_3 | Record of the weights from the health passport or GMP card, backwards from the last month (three entries) | Numeric | Kg |  | 98.8 used to indicate months where weight not taken  Will require cleaning, can see errors and inconsistencies re decimal points |
| 25 | q925 | If weight values were not recorded, an observation of the trend for the last three months from the health passport/GMP card graph | Character (categorical) |  | Weight increased, no change in weight, weight decreased, not recorded, *blank* |  |
| 26 | q1001a | If the child was ever breastfed | Character |  | true, false, *blank* | To convert to Boolean |
| 27 | q1001b | If the child ever consumed breastmilk in the specified ways | Character |  | true, false, *blank* | To convert to Boolean  q1001b only answered when q1001a is FALSE, could combine |
| 28 | q1002a | How long after birth the child started breastfeeding | Character (categorical) |  | Same day, 1 day, two days, three days, dk (don’t know), *blank* |  |
| 29 | q1002b | Why the mother waited to breastfeed | Character (categorical) |  | Milk was not coming out, wanted to get rid of their first milk, child was unable to suckle, other, 98, *blank* | No wanting to get rid of first milk, can remove option and remove q1002c |
| 30 | q1002c | Why the mother wanted to get rid of their first milk | Logical |  | They believe it was not good for the child, they were instructed by care giver, they were instructed my medical professional, other | Only provided value is NA, no mother wanted to get rid of first milk, can remove |
| 31 | q1003a | If the child was given anything other than breastmilk during the first three days of life | Character (categorical) |  | No, yes, dont know, *blank* | Could be converted to Boolean after cleaning |
| 32 | q1003b | If the child was given anything other than breastmilk during the first six months | Character |  | No, yes, don’t know, 6, 96, 97, *blank* | Could be converted to Boolean after cleaning |
| 33 | q1003c | If q1003b was yes, what month did the child received anything other than breastmilk | Character |  | *Month*, 0, *blank* | Difficult to gain meaning from this question as we don’t have the interview date/month so can’t calculate how old the child was |
| 34 | q1004a | If the child is still breastfed | Character |  | true, false, *blank* | To be converted to Boolean |
| 35 | q1004b | Confirm if respondent is the biological mother | Character |  | true, false, *blank* | Could be removed |
| 36 | q1005 | If the child was breastfed yesterday (day or night) | Character |  | true, false, *blank* | To be converted to Boolean  Explore if this provides any additional information over q1004a, could remove if it doesn’t |
| 37 | q1006 | How many times the child breastfed yesterday (day or night) | Integer |  |  |  |
| 38 | q1008a | Liquid consumption - did the child consume vitamin or mineral supplements or medicines (including Multiple Micronutrient Powder) yesterday? | Character (categorical) |  | No, yes, 98, *blank* | Could be converted to Boolean after cleaning |
| 39 | q1008b | Liquid consumption - did the child consume ORS yesterday? | Character (categorical) |  | No, yes, 0, 98, *blank* | Could be converted to Boolean after cleaning |
| 40 | q1008c | Liquid consumption - did the child consume plain water yesterday? | Character (categorical) |  | No, yes, 98, *blank* | Could be converted to Boolean after cleaning |
| 41 | q1008d | Liquid consumption - did the child consume infant formula yesterday? | Character (categorical) |  | No, yes, 98, *blank* | Could be converted to Boolean after cleaning |
| 42 | q1008d\_no | Number of times the child consumed infant formula yesterday | Integer |  |  |  |
| 43 | q1008e | Liquid consumption - did the child consume milk (tinned, powdered, or fresh animal milk) yesterday? | Character (categorical) |  | No, yes, 98, *blank* | Could be converted to Boolean after cleaning |
| 44 | q1008e\_no | Number of times the child consumed animal milk yesterday | Integer |  |  |  |
| 45 | q1008f | Liquid consumption - did the child consume Juice or juice drinks yesterday? | Character (categorical) |  | No, yes, 98, *blank* | Could be converted to Boolean after cleaning |
| 46 | q1008g | Liquid consumption - did the child consume clear broth yesterday? | Character (categorical) |  | No, yes, 98, *blank* | Could be converted to Boolean after cleaning |
| 47 | q1008h | Liquid consumption - did the child consume yogurt yesterday? | Character (categorical) |  | No, yes, 98, *blank* | Could be converted to Boolean after cleaning |
| 48 | q1008h\_no | Number of times the child consumed yogurt yesterday | Integer |  |  |  |
| 49 | q1008i | Liquid consumption - did the child consume thin porridge yesterday? | Character (categorical) |  | No, yes, 98, *blank* | Could be converted to Boolean after cleaning |
| 50 | q1008j | Liquid consumption - did the child consume tea yesterday? | Character (categorical) |  | No, yes, 98, *blank* | Could be converted to Boolean after cleaning |
| 51 | q1008k | Liquid consumption - did the child consume any other liquids yesterday? | Character (categorical) |  | No, yes, 98, *blank* | Could be converted to Boolean after cleaning |
| 52 | q1009a | Food consumption – did the child consume bread, rice, noodles, or other foods made from grains, including thick grain-based porridge yesterday? | Character (categorical) |  | No, yes, 98, *blank* | Could be converted to Boolean after cleaning |
| 53 | q1009b | Food consumption – did the child consume pumpkin, carrots, squash, or orange/yellow fleshed sweet potato yesterday? | Character (categorical) |  | No, yes, 98, *blank* | Could be converted to Boolean after cleaning |
| 54 | q1009c | Food consumption – did the child consume white fleshed sweet potatoes, white yams, manioc, cassava, or any other foods made from roots yesterday? | Character (categorical) |  | No, yes, 98, *blank* | Could be converted to Boolean after cleaning |
| 55 | q1009d | Food consumption – did the child consume dark green leafy vegetables yesterday? | Character (categorical) |  | No, yes, 98, *blank* | Could be converted to Boolean after cleaning |
| 56 | q1009e | Food consumption – did the child consume ripe mangoes or papayas yesterday? | Character (categorical) |  | No, yes, 98, *blank* | Could be converted to Boolean after cleaning |
| 57 | q1009f | Food consumption – did the child consume any other fruits or vegetables yesterday? | Character (categorical) |  | No, yes, 98, *blank* | Could be converted to Boolean after cleaning |
| 58 | q1009g | Food consumption – did the child consume liver, kidneys, heart, or other organ meat yesterday? | Character (categorical) |  | No, yes, 98, *blank* | Could be converted to Boolean after cleaning |
| 59 | q1009h | Food consumption – did the child consume any meat, such as beef, pork, lamb, goat, chicken, or duck yesterday? | Character (categorical) |  | No, yes, 98, *blank* | Could be converted to Boolean after cleaning |
| 60 | q1009i | Food consumption – did the child consume eggs yesterday? | Character (categorical) |  | No, yes, 98, *blank* | Could be converted to Boolean after cleaning |
| 61 | q1009j | Food consumption – did the child consume fresh or dried fish, shellfish, or seafood yesterday? | Character (categorical) |  | No, yes, 98, *blank* | Could be converted to Boolean after cleaning |
| 62 | q1009k | Food consumption – did the child consume any foods made from beans, peas, lentils, or nuts yesterday? | Character (categorical) |  | No, yes, 98, *blank* | Could be converted to Boolean after cleaning |
| 63 | q1009l | Food consumption – did the child consume cheese, yogurt, or other milk products yesterday? | Character (categorical) |  | No, yes, 98, *blank* | Could be converted to Boolean after cleaning |
| 64 | q1009m | Food consumption – did the child consume oil, fats, butter, or foods made with any of these yesterday? | Character (categorical) |  | No, yes, 98, *blank* | Could be converted to Boolean after cleaning |
| 65 | q1009n | Food consumption – did the child consume sugary foods such as chocolates, sweets, candies, pastries, cakes, or biscuits yesterday? | Character (categorical) |  | No, yes, 98, *blank* | Could be converted to Boolean after cleaning |
| 66 | q1009o | Food consumption – did the child consume condiments for flavor, such as chilies, spices, herbs, or fish powder yesterday? | Character (categorical) |  | No, yes, 98, *blank* | Could be converted to Boolean after cleaning |
| 67 | q1009p | Food consumption – did the child consume grubs, snails, or insects yesterday? | Character (categorical) |  | No, yes, 98, *blank* | Could be converted to Boolean after cleaning |
| 68 | q1009q | Food consumption – did the child consume foods made with red palm oil, red palm nut, and red palm nut pulp sauce yesterday? | Character (categorical) |  | No, yes, 98, *blank* | Could be converted to Boolean after cleaning |
| 69 | q1009r | Food consumption – did the child consume any other solid or semi-solid food yesterday? | Character (categorical) |  | No, yes, 98, *blank* | Could be converted to Boolean after cleaning |
| 70 | q1009s | Food consumption – did the child consume salt yesterday? | Character (categorical) |  | No, yes, 98, *blank* | Could be converted to Boolean after cleaning |
| 71 | q1010 | How many times did the child eat solid, semi-solid, or soft foods yesterday (day and night) | Integer |  |  |  |
| 72 | q1102 | Copy child age | Integer | Months |  | Could be removed |
| 73 | q1103 | Weight | Numeric | Kg |  | Will require cleaning, can see errors and inconsistencies re decimal points |
| 74 | q1104\_1 | Length (children under two years) | Numeric | cm |  | q1104\_1 and q1104\_2 could be combined  Will require cleaning, can see errors and inconsistencies re decimal points |
| 75 | q1104\_2 | Height (children two years and older) | Numeric | cm |  | q1104\_1 and q1104\_2 could be combined  Will require cleaning, can see errors and inconsistencies re decimal points |
| 76 | q1105 | Presence of oedema | Character |  | true, false, *blank* | To be converted to Boolean |
| 77 | q1106 | Results of measurement | Character (categorical) |  | Measured both ht & wt, measured only one (ht or wt), child not present, refused, other, *blank* |  |
| 78 | anon\_child\_code |  | Integer |  |  |  |
| 79 | anon\_child\_qnum |  | Integer |  |  |  |
| 80 | Treatment |  | Integer |  | 0, 1 | Could be converted to Boolean |