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BASELINE SURVEY – SCALING UP NUTRITION (SUN) 2.0 / MCDP II

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Annexes – Volume 1

13 December 2019

BASELINE SURVEY REPORT
Zambia SCALING UP NUTRITION (SUN) 2.0 /
MCDP II

Annexes – Volume 1

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Annex 1. List of SUN indicators

| Indicator Number | Indicator and Results |
|--|--|
| GOAL: Reduced stunting among children under 2 years of age | |
| 1 | Percentage of children under age 2 who are stunted |
| 2 | Percentage of women with low BMI (by age) |
| 3 | Percent of children under age 2 who are underweight |
| 4 | Number of children under age 2 reached with community-level nutrition-specific interventions |
| Objective 1: Adequate quantity and quality of dietary intake among target groups | |
| 5 | Percentage of HHs with moderate or severe hunger |
| Intermediate Result 1 : Increased reliable access to safe, nutritious foods | |
| 6 | Prevalence of HHs practicing safe food processing/preparation /improved storage practice |
| 7 | Prevalence of women of reproductive age who consume targeted nutrient-rich value chain commodities |
| 8 | Women’s dietary diversity: Mean number of food groups consumed by women of reproductive age |
| 9 | Percentage of HHs selling or bartering nutritious crops that they grew |
| 10 | Percentage of HHs producing safe and nutritious foods (crops and livestock) for consumption |
| 11 | Percentage of HHs with a recommended diet diversity |
| 14 | Percentage of HHs reporting stronger resilience to lean season and environmental shocks |
| Intermediate Result 2 : Adoption of better child feeding and household hygiene practices | |
| 15 | Percentage of HHs practicing essential hygiene actions |
| 16 | Percentage of HHs practicing essential nutrition actions |
| 17 | Percentage of children exclusively breastfed to 6 months |
| 18 | Percentage of children under age 2 meeting minimal standards for IYCF |
| Objective 2: Adequate health conditions for biological utilisation of nutrients | |
| 19 | Percentage of children under age 2 who had diarrhoea in the preceding 2 weeks. |
| Intermediate Result 3 : Improved delivery of effective, sustainable health and nutrition services | |
| 20 | Number of new family planning users |
| 21 | Percentage of children with diarrhoea in the preceding 2 weeks who received treatment from a health facility or provider |
| Intermediate Result 4 : Healthier cleaner environment | |
| 25 | Percent of HHs in target areas practicing correct use of recommended household water treatment technologies |
| 26 | Percentage of HHs practicing correct water storage of the treated water |
| 30 | Percentage of children exposed to environmental animal waste in the play areas |
| 31 | Percentage of HHs with soap and water at a handwashing station commonly used by family members |
| 32 | Number of HHs with clean latrines, including covers |

Annex 2. Number of Standard Enumeration Areas (SEAs) selected by district, constituency, and residence

| Province | District | Constituency | No. of Clusters (SEAs) | | | Total No. Households to be surveyed (@25 HHs per SEA) | |
|-----------------|------------------|----------------|------------------------|-------|-------|---|----------|
| | | | Rural | Urban | Total | SEA | District |
| Central | 1. Chibombo | Katuba | 4 | 1 | 5 | 125 | 250 |
| | | Keembe | 5 | 0 | 5 | 125 | |
| | 2. Kabwe | Bwacha | 0 | 4 | 4 | 100 | 250 |
| | | Kabwe | 0 | 6 | 6 | 150 | |
| | 3. Kapiri-Mposhi | Kapiri Mposhi | 8 | 2 | 10 | 250 | 250 |
| | 4. Mumbwa | Mumbwa | 4 | 1 | 5 | 125 | 250 |
| Nangoma | | 5 | 0 | 5 | 125 | | |
| Copperbelt | 5. Kitwe | Chimwemwe | 0 | 2 | 2 | 50 | 250 |
| | | Kamfinsa | 0 | 2 | 2 | 50 | |
| | | Kwacha | 0 | 3 | 3 | 75 | |
| | | Nkana | 0 | 2 | 2 | 50 | |
| | | Wusakile | 0 | 1 | 1 | 25 | |
| | 6. Ndola | Bwana Mkubwa | 0 | 2 | 2 | 50 | 250 |
| | | Chifubu | 0 | 2 | 2 | 50 | |
| | | Kabushi | 0 | 2 | 2 | 50 | |
| | | Ndola | 0 | 4 | 4 | 100 | |
| | Eastern | 7. Chipata | Chipangali | 3 | 0 | 3 | 75 |
| Chipata Central | | | 2 | 2 | 4 | 100 | |
| Kasenengwa | | | 2 | 0 | 2 | 50 | |
| Luangeni | | | 1 | 0 | 1 | 25 | |
| 8. Katete | | Milanzi | 4 | 0 | 4 | 100 | 250 |
| | | Mkaika | 4 | 2 | 6 | 150 | |
| 9. Lundazi | | Chasefu | 3 | 0 | 3 | 75 | 250 |
| | | Lumezi | 3 | 0 | 3 | 75 | |
| | | Lundazi | 3 | 1 | 4 | 100 | |
| 10. Petauke | | Kapoche | 2 | 0 | 2 | 50 | 250 |
| | Petauke | 4 | 1 | 5 | 125 | | |
| | Msanzala | 3 | 0 | 3 | 75 | | |
| Luapula | 11. Mansa | Bahati | 4 | 1 | 5 | 125 | 250 |
| | | Mansa | 3 | 2 | 5 | 125 | |
| | 12. Nchelenge | Nchelenge | 7 | 3 | 10 | 250 | 250 |
| | | Chifunabuli | 5 | 0 | 5 | 125 | |
| Lusaka | 14. Lusaka | Chawama | 0 | 1 | 1 | 25 | 250 |
| | | Kabwata | 0 | 1 | 1 | 25 | |
| | | Kanyama | 0 | 2 | 2 | 50 | |
| | | Lusaka Central | 0 | 1 | 1 | 25 | |
| | | Mandevu | 0 | 2 | 2 | 50 | |
| | | Matero | 0 | 2 | 2 | 50 | |
| | | Munali | 0 | 1 | 1 | 25 | |
| Muchinga | 15. Chinsali | Chinsali | 7 | 2 | 9 | 225 | 250 |
| | | Shiwang'andu | 1 | 0 | 1 | 25 | |
| | 16. Isoka | Isoka West | 7 | 3 | 10 | 250 | 250 |
| | 17. Mpika | Mpika | 6 | 4 | 10 | 250 | 250 |
| Northern | 18. Kaputa | Kaputa | 9 | 1 | 10 | 250 | 250 |
| | 19. Kasama | Kasama | 3 | 4 | 7 | 175 | 250 |

| Province | District | Constituency | No. of Clusters (SEAs) | | | Total No. Households to be surveyed (@25 HHs per SEA) | |
|--------------|----------------|-----------------|------------------------|-----------|------------|---|-------------|
| | | | Rural | Urban | Total | SEA | District |
| | 20. Luwingu | Lukashya | 2 | 1 | 3 | 75 | 250 |
| | | Lubansenshi | 3 | 1 | 4 | 100 | |
| | | Lupososhi | 6 | 0 | 6 | 150 | |
| | 21. Mbala | Mbala | 8 | 2 | 10 | 250 | 250 |
| | North-western | 22. Mwinilunga | Ikelenge | 8 | 2 | 10 | 250 |
| 23. Solwezi | | Solwezi Central | 3 | 7 | 10 | 250 | 250 |
| 24. Zambezi | | Zambezi East | 6 | 1 | 7 | 175 | 250 |
| | Zambezi West | 3 | 0 | 3 | 75 | | |
| Southern | 25. Choma | Choma | 4 | 3 | 7 | 175 | 250 |
| | | Mbabala | 2 | 1 | 3 | 75 | |
| | 26. Kalomo | Dundumwezi | 4 | 0 | 4 | 100 | 250 |
| | | Kalomo | 5 | 1 | 6 | 150 | |
| Western | 27. Kalabo | Kalabo | 7 | 0 | 7 | 175 | 250 |
| | | Liuwa | 3 | 0 | 3 | 75 | |
| | 28. Kaoma | Kaoma | 5 | 1 | 6 | 150 | 250 |
| | | Mangango | 4 | 0 | 4 | 100 | |
| | 29. Mongu | Mongu | 3 | 4 | 7 | 175 | 250 |
| | | Nalikwanda | 3 | 0 | 3 | 75 | |
| | 30. Shang'ombo | Sinjembela | 10 | 0 | 10 | 250 | 250 |
| Total | | | 205 | 95 | 300 | 7 500 | 7500 |

Annex 3. Indicator Data Tables

NB: The denominators used in several of the indicator tables below are subject to the availability of both the stratification variable and the indicator. As such, denominators and totals may not be consistent throughout all tables. For instance, the total reported for the stunted children category from Table 10 to Table 40 will not match the totals under regions due to missing anthropometric measurements. Likewise, the totals for diarrhoea in Table 31 to Table 40 may not match other totals within the same tables because of missing values.

1 Demographic results

Table 1. Household interviews by districts

| Geo-Location | Number of HHs with children under 2 years | | | | No. of Interviews with Women age 15-49 | | |
|-------------------------|---|------------|------------|--------------|--|------------|------------|
| | Targeted | Actual | | | Urban | Rural | Total |
| | | Urban | Rural | Total | | | |
| Central Province | 1,000 | 349 | 649 | 998 | 332 | 618 | 950 |
| Chibombo | 250 | 25 | 224 | 249 | 25 | 221 | 246 |
| Kabwe | 250 | 250 | 0 | 250 | 240 | 0 | 240 |
| Kapiri-Mposhi | 250 | 49 | 200 | 249 | 46 | 192 | 238 |
| Mumbwa | 250 | 25 | 225 | 250 | 21 | 205 | 226 |
| Copperbelt | 500 | 450 | 50 | 500 | 427 | 49 | 476 |
| Kitwe | 250 | 250 | 0 | 250 | 237 | 0 | 237 |
| Ndola | 250 | 200 | 50 | 250 | 190 | 49 | 239 |
| Eastern | 1,000 | 149 | 846 | 995 | 146 | 827 | 973 |
| Chipata | 250 | 49 | 198 | 247 | 48 | 192 | 240 |
| Katete | 250 | 50 | 200 | 250 | 48 | 197 | 245 |
| Lundazi | 250 | 25 | 224 | 249 | 25 | 219 | 244 |
| Petauke | 250 | 25 | 224 | 249 | 25 | 219 | 244 |
| Luapula | 750 | 200 | 549 | 749 | 177 | 525 | 702 |
| Mansa | 250 | 75 | 175 | 250 | 60 | 168 | 228 |
| Nchelenge | 250 | 100 | 149 | 249 | 93 | 146 | 239 |
| Samfya | 250 | 25 | 225 | 250 | 24 | 211 | 235 |
| Lusaka | 250 | 250 | 0 | 250 | 218 | 0 | 218 |
| Lusaka | 250 | 250 | 0 | 250 | 218 | 0 | 218 |
| Muchinga | 750 | 226 | 524 | 750 | 211 | 510 | 721 |
| Chinsali | 250 | 50 | 200 | 250 | 47 | 198 | 245 |
| Isoka | 250 | 75 | 175 | 250 | 69 | 166 | 235 |
| Mpika | 250 | 101 | 149 | 250 | 95 | 146 | 241 |
| Northern | 1,000 | 225 | 775 | 1,000 | 214 | 760 | 974 |
| Kaputa | 250 | 25 | 225 | 250 | 24 | 222 | 246 |
| Kasama | 250 | 125 | 125 | 250 | 117 | 123 | 240 |
| Luwingu | 250 | 25 | 225 | 250 | 23 | 220 | 243 |
| Mbala | 250 | 50 | 200 | 250 | 50 | 195 | 245 |
| North Western | 750 | 250 | 499 | 749 | 229 | 481 | 710 |
| Mwinilunga | 250 | 50 | 199 | 249 | 47 | 195 | 242 |
| Solwezi | 250 | 175 | 75 | 250 | 160 | 74 | 234 |
| Zambezi | 250 | 25 | 225 | 250 | 22 | 212 | 234 |

| Geo-Location | Number of HHs with children under 2 years | | | | No. of Interviews with Women age 15-49 | | |
|-------------------------|---|--------------|--------------|--------------|--|--------------|--------------|
| | Targeted | Actual | | | Urban | Rural | Total |
| | | Urban | Rural | Total | | | |
| Southern | 500 | 150 | 347 | 497 | 145 | 335 | 480 |
| Choma | 250 | 100 | 147 | 247 | 97 | 142 | 239 |
| Kalomo | 250 | 50 | 200 | 250 | 48 | 193 | 241 |
| Western | 1,000 | 124 | 874 | 998 | 112 | 850 | 962 |
| Kalabo | 250 | 0 | 249 | 249 | 0 | 244 | 244 |
| Kaoma | 250 | 25 | 225 | 250 | 23 | 217 | 240 |
| Mongu | 250 | 99 | 150 | 249 | 89 | 142 | 231 |
| Shang'ombo | 250 | 0 | 250 | 250 | 0 | 247 | 247 |
| TOTAL | 7,500 | 2,373 | 5,113 | 7,486 | 2,211 | 4,955 | 7,166 |
| Percent of Total | | 31.7% | 68.3% | 100% | 30.9% | 69.1% | 100% |

Table 2. Household characteristics

| Characteristics | Number | Percent |
|------------------------------------|--------|---------|
| No. HOUSEHOLD MEMBERS | | |
| 1 - 5 | 3,463 | 30.8% |
| 6 -10 | 3,657 | 59.4% |
| ≥ 11 | 366 | 9.8% |
| CHILDREN < 2 YEARS | | |
| < 6 | 2053 | 25.9% |
| 6-8 | 1083 | 13.7% |
| 9-11 | 1092 | 13.8% |
| 12-17 | 1898 | 24.0% |
| 18-24 | 1796 | 22.7% |
| Total | 7,922 | 100% |
| Mean Age | 11.2 | |
| AGE OF HOUSEHOLD HEAD | | |
| 15-24 | 645 | 8.6% |
| 25-34 | 2,554 | 34.1% |
| 35-44 | 2,234 | 29.8% |
| 45-54 | 1,102 | 14.7% |
| 55-64 | 600 | 8.0% |
| ≥ 65 | 351 | 4.7% |
| Mean Age | 38.9 | |
| GENDER OF HOUSEHOLD HEAD | | |
| Male | 6,114 | 81.5% |
| Female | 1,387 | 18.5% |
| EDUCATION OF HOUSEHOLD HEAD | | |
| None | 578 | 7.7% |
| Preschool | 108 | 1.4% |
| Primary | 2,971 | 39.7% |
| Junior Secondary | 1,801 | 24.1% |
| Senior secondary | 1,283 | 17.1% |
| Higher | 745 | 9.9% |

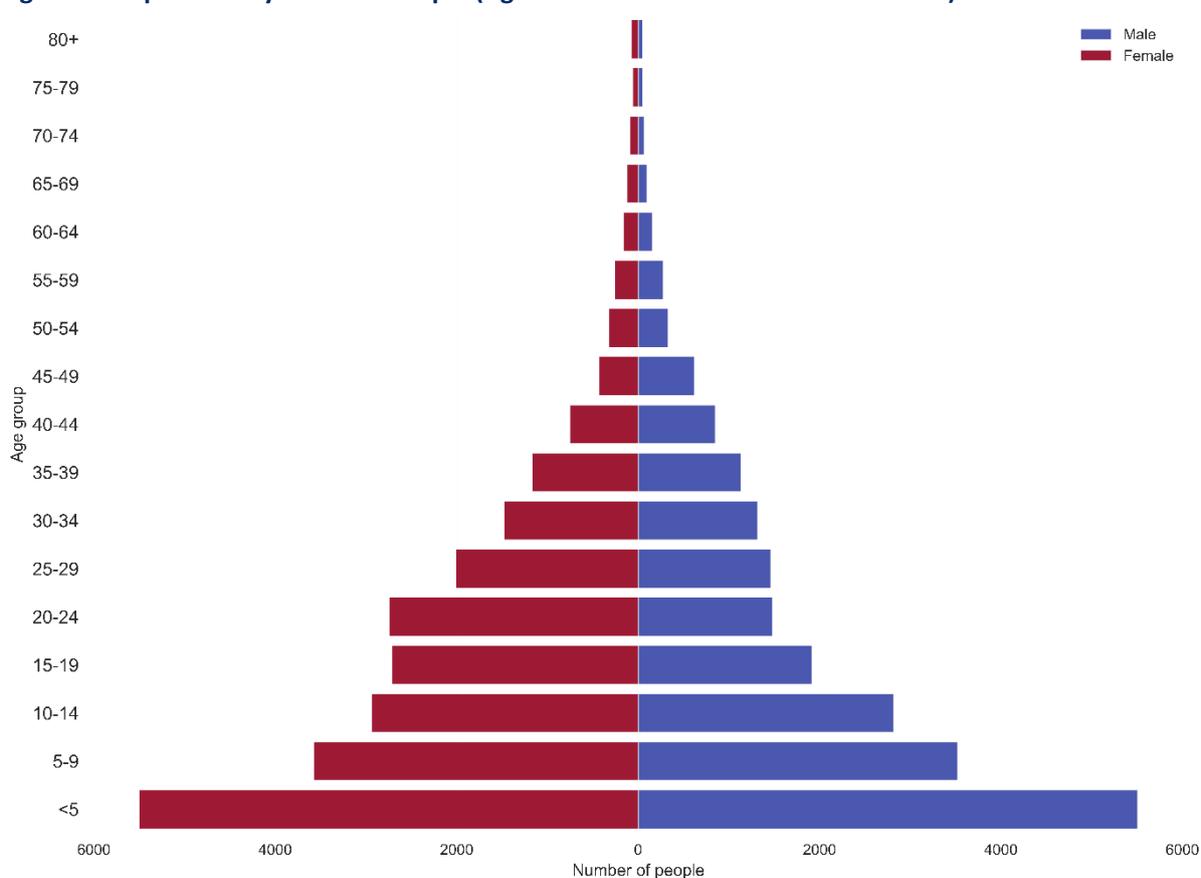
| Characteristics | Number | Percent |
|--|--------|---------|
| ECONOMIC ACTIVITY OF HOUSEHOLD HEAD | | |
| None | 3,738 | 49.9% |
| Farmer | 1,148 | 15.3% |
| Salaried | 1,135 | 15.2% |
| Self-employed | 408 | 5.4% |
| Business man/woman | 121 | 1.6% |
| Charcoal burning | 476 | 6.4% |
| Casual labour | 11 | 0.1% |
| Students | 330 | 4.4% |
| Other | 119 | 1.6% |
| RESPONDENT IS MOTHER? | | |
| Yes | 7,177 | 95.87 |
| No | 309 | 4.13 |

Table 3. Mothers' characteristics

| Characteristics | Number | Percent |
|-------------------------------------|--------|---------|
| MOTHER'S AGE GROUP | | |
| 15-19 | 919 | 12.8% |
| 20-24 | 2,050 | 28.6% |
| 25-29 | 1,654 | 23.1% |
| 30-34 | 1,211 | 16.9% |
| 35-39 | 895 | 12.5% |
| 40-44 | 367 | 5.1% |
| 45-49 | 70 | 1.0% |
| Total | 7166 | 100% |
| Mean Age | 27.3 | |
| MOTHER'S EDUCATION LEVEL | | |
| None | 679 | 9.5% |
| Preschool | 121 | 1.7% |
| Primary | 3,343 | 46.6% |
| Junior Secondary | 1,651 | 23.0% |
| Senior secondary | 999 | 13.9% |
| Higher | 383 | 5.3% |
| Total | 7,176 | 100.0% |
| MOTHER'S ECONOMIC ACTIVITIES | | |
| None | 3,333 | 46.4% |
| Farmer | 266 | 3.7% |
| Salaried | 576 | 8.0% |
| Self-employed | 364 | 5.1% |
| Business woman | 32 | 0.4% |
| Charcoal burning | 163 | 2.3% |
| Casual labour | 151 | 2.1% |
| Students | 2,234 | 31.1% |
| other | 57 | 0.8% |
| Total | 7,176 | 100.0% |

| Characteristics | Number | Percent |
|--------------------------------|--------|---------|
| MOTHER'S MARITAL STATUS | | |
| Single | 1,171 | 16.3% |
| Married (monogamous) | 4,890 | 68.1% |
| Married (polygamous) | 439 | 6.1% |
| Divorced | 343 | 4.8% |
| Widow | 98 | 1.4% |
| Separated | 228 | 3.2% |
| Cohabiting | 7 | 0.1% |
| Total | 7,176 | 100.0% |

Figure 1. Population Pyramid of Sample (Age distribution of household members)



2 Goal level indicators: Reduced stunting among children <2 years of age

Table 4. Indicators 1 and 3 - Child nutritional status by key demographic characteristics¹

| Variable or Indicator | Height-for-Age Indicator 1 | | | | Weight-for-Height Indicator 3 | | | | | Weight-for-Age Indicator 3 | | | | Overall Total | |
|--|----------------------------|-------|--------------|-----------------------|-------------------------------|-------|-------|--------------|-----------------------|----------------------------|-------|----------|--------------|---------------|-----------------------|
| | Stunted | | Mean Z Score | Total No. of children | % Wasted | | | Mean Z Score | Total No. of children | % Underweight | | % Overwt | Mean Z Score | | Total No. of children |
| | -3 SD | -2 SD | | | -3 SD | -2 SD | +2 SD | | | -3 SD | -2 SD | | | | |
| CHILD'S AGE GROUP IN MONTH (Baseline) | | | | | | | | | | | | | | | |
| < 6 | 8.0% | 22.6% | -0.9 | 1,896 | 1.4% | 3.0% | 20.4% | 0.9 | 1,877 | 1.9% | 6.6% | 3.3% | -0.1 | 1,940 | 1,945 |
| 6-8 | 5.1% | 19.5% | -0.5 | 1,030 | 0.7% | 2.4% | 6.4% | 0.3 | 1,035 | 1.4% | 7.4% | 6.1% | -0.2 | 1,037 | 1,039 |
| 9-11 | 6.2% | 23.0% | -1.0 | 1,041 | 1.0% | 3.9% | 3.8% | 0.0 | 1,040 | 1.7% | 9.8% | 1.6% | -0.5 | 1,040 | 1,044 |
| 12-17 | 12.2% | 36.1% | -1.6 | 1,780 | 1.2% | 5.0% | 3.8% | 0.0 | 1,784 | 3.4% | 14.2% | 0.8% | -0.8 | 1,786 | 1,791 |
| 18-24 | 15.0% | 43.7% | -1.8 | 1,655 | 0.2% | 2.2% | 4.0% | 0.1 | 1,662 | 2.1% | 10.5% | 0.7% | -0.8 | 1,662 | 1,667 |
| Total | 9.9% | 30.2% | -1.2 | 7,402 | 0.9% | 3.4% | 8.4% | 0.3 | 7,398 | 2.2% | 9.8% | 2.3% | -0.5 | 7,465 | 7,486 |
| SEX | | | | | | | | | | | | | | | |
| Male | 12.3% | 34.5% | -1.4 | 3,783 | 1.0% | 3.4% | 9.1% | 0.3 | 3,782 | 2.7% | 11.1% | 2.3% | -0.6 | 3,811 | 3,822 |
| Female | 7.4% | 25.7% | -1.0 | 3,619 | 0.9% | 3.3% | 7.7% | 0.3 | 3,616 | 1.7% | 8.5% | 2.2% | -0.4 | 3,654 | 3,664 |
| Total | 9.9% | 30.2% | -1.2 | 7,402 | 0.9% | 3.4% | 8.4% | 0.3 | 7,398 | 2.2% | 9.8% | 2.3% | -0.5 | 7,465 | 7,486 |
| GEO-LOCATION | | | | | | | | | | | | | | | |
| National | 9.9% | 30.2% | -1.2 | 7,402 | 0.9% | 3.4% | 8.4% | 0.3 | 7,398 | 2.2% | 9.8% | 2.3% | -0.5 | 7,465 | 7,486 |
| Central | 10.1% | 30.5% | -1.2 | 994 | 1.1% | 4.0% | 9.2% | 0.2 | 991 | 1.8% | 9.3% | 2.9% | -0.5 | 997 | 998 |
| Chibombo | 12.4% | 28.9% | -1.1 | 249 | 1.6% | 6.0% | 11.2% | 0.2 | 249 | 2.0% | 9.2% | 2.8% | -0.5 | 249 | 249 |
| Kabwe | 10.5% | 34.3% | -1.1 | 248 | 0.0% | 2.4% | 11.4% | 0.4 | 246 | 1.6% | 6.0% | 4.8% | -0.3 | 250 | 250 |
| Kapiri | 9.2% | 30.5% | -1.2 | 249 | 1.2% | 3.6% | 8.8% | 0.3 | 249 | 2.8% | 13.7% | 2.4% | -0.5 | 249 | 249 |
| Mumbwa | 8.1% | 28.2% | -1.2 | 248 | 1.6% | 4.0% | 5.3% | 0.1 | 247 | 0.8% | 8.4% | 1.6% | -0.6 | 249 | 250 |
| Copperbelt | 5.6% | 22.4% | -1.0 | 496 | 0.2% | 2.6% | 8.5% | 0.4 | 497 | 1.2% | 6.8% | 3.0% | -0.3 | 499 | 500 |
| Kitwe | 6.8% | 28.9% | -1.3 | 249 | 0.4% | 2.4% | 10.1% | 0.4 | 248 | 1.2% | 8.4% | 1.6% | -0.4 | 250 | 250 |
| Ndola | 4.5% | 15.8% | -0.6 | 247 | 0.0% | 2.8% | 6.8% | 0.4 | 249 | 1.2% | 5.2% | 4.4% | -0.1 | 249 | 250 |

¹Some cases were excluded from the calculations for stunting, wasting, and underweight due to missing values in the anthropometric data and/or extreme nutritional status scores.

| Variable or Indicator | Height-for-Age Indicator 1 | | | | Weight-for-Height Indicator 3 | | | | | Weight-for-Age Indicator 3 | | | | | Overall Total |
|-----------------------|----------------------------|-------|--------------|-----------------------|-------------------------------|-------|-------|--------------|-----------------------|----------------------------|-------|-------|--------------|-----------------------|---------------|
| | Stunted | | Mean Z Score | Total No. of children | % Wasted | | | Mean Z Score | Total No. of children | % Underweight | | | Mean Z Score | Total No. of children | |
| | -3 SD | -2 SD | | | -3 SD | -2 SD | +2 SD | | | -3 SD | -2 SD | +2 SD | | | |
| Eastern | 11.1% | 31.7% | -1.2 | 986 | 0.5% | 2.1% | 10.8% | 0.5 | 984 | 1.8% | 8.0% | 3.2% | -0.3 | 991 | 995 |
| Chipata | 10.2% | 33.1% | -1.3 | 245 | 0.8% | 1.6% | 12.3% | 0.7 | 244 | 1.6% | 6.1% | 3.3% | -0.3 | 246 | 247 |
| Katete | 9.7% | 29.4% | -1.1 | 248 | 0.8% | 2.8% | 12.1% | 0.6 | 247 | 1.6% | 7.2% | 4.8% | -0.2 | 250 | 250 |
| Lundazi | 12.7% | 34.7% | -1.5 | 245 | 0.0% | 2.0% | 10.2% | 0.5 | 246 | 3.2% | 10.1% | 1.2% | -0.5 | 247 | 249 |
| Petauke | 11.7% | 29.8% | -1.1 | 248 | 0.4% | 2.0% | 8.5% | 0.3 | 247 | 0.8% | 8.5% | 3.6% | -0.4 | 248 | 249 |
| Luapula | 13.8% | 41.2% | -1.6 | 745 | 0.9% | 2.7% | 8.6% | 0.3 | 744 | 3.2% | 13.5% | 1.3% | -0.7 | 746 | 749 |
| Mansa | 12.5% | 37.5% | -1.5 | 248 | 0.8% | 2.8% | 8.4% | 0.3 | 249 | 2.4% | 12.4% | 1.2% | -0.6 | 249 | 250 |
| Nchelenge | 14.1% | 43.1% | -1.8 | 248 | 1.2% | 3.2% | 3.6% | 0.1 | 248 | 4.4% | 15.3% | 0.8% | -0.9 | 248 | 249 |
| Samfya | 14.9% | 43.0% | -1.5 | 249 | 0.8% | 2.0% | 13.8% | 0.5 | 247 | 2.8% | 12.9% | 2.0% | -0.6 | 249 | 250 |
| Lusaka | 8.8% | 23.3% | -0.8 | 249 | 1.6% | 4.8% | 4.4% | 0.1 | 248 | 2.8% | 9.2% | 1.2% | -0.4 | 250 | 250 |
| Lusaka | 8.8% | 23.3% | -0.8 | 249 | 1.6% | 4.8% | 4.4% | 0.1 | 248 | 2.8% | 9.2% | 1.2% | -0.4 | 250 | 250 |
| Muchinga | 10.0% | 28.9% | -1.2 | 748 | 0.5% | 3.6% | 9.7% | 0.3 | 750 | 2.5% | 9.5% | 2.1% | -0.5 | 750 | 750 |
| Chinsali | 12.0% | 32.4% | -1.3 | 250 | 1.2% | 5.2% | 8.0% | 0.2 | 250 | 3.2% | 12.8% | 2.0% | -0.7 | 250 | 250 |
| Isoka | 8.0% | 24.1% | -1.2 | 249 | 0.0% | 2.8% | 10.8% | 0.5 | 250 | 2.4% | 8.4% | 2.4% | -0.3 | 250 | 250 |
| Mpika | 10.0% | 30.1% | -1.2 | 249 | 0.4% | 2.8% | 10.4% | 0.3 | 250 | 2.0% | 7.2% | 2.0% | -0.5 | 250 | 250 |
| Northern | 11.6% | 32.9% | -1.4 | 989 | 0.5% | 2.6% | 7.7% | 0.2 | 991 | 2.5% | 13.5% | 1.4% | -0.7 | 998 | 1000 |
| Kaputa | 15.3% | 39.5% | -1.6 | 248 | 0.8% | 2.4% | 4.0% | -0.0 | 249 | 4.0% | 17.7% | 1.6% | -1.0 | 249 | 250 |
| Kasama | 12.2% | 29.7% | -1.2 | 246 | 0.4% | 3.3% | 10.6% | 0.3 | 245 | 2.0% | 12.4% | 2.0% | -0.5 | 249 | 250 |
| Luwingu | 10.1% | 30.0% | -1.3 | 247 | 0.0% | 2.8% | 7.3% | 0.2 | 248 | 3.2% | 12.4% | 0.4% | -0.7 | 250 | 250 |
| Mbala | 8.9% | 32.3% | -1.4 | 248 | 0.8% | 2.0% | 8.8% | 0.2 | 249 | 0.8% | 11.6% | 1.6% | -0.7 | 250 | 250 |
| North-Western | 7.9% | 26.7% | -1.1 | 738 | 1.5% | 3.4% | 8.0% | 0.2 | 735 | 2.7% | 9.0% | 2.8% | -0.5 | 747 | 749 |
| Mwinilunga | 9.6% | 34.9% | -1.4 | 249 | 2.0% | 5.2% | 8.9% | 0.2 | 248 | 4.0% | 10.4% | 1.6% | -0.6 | 249 | 249 |
| Solwezi | 7.8% | 25.8% | -0.9 | 244 | 2.0% | 3.3% | 7.4% | 0.2 | 244 | 1.6% | 9.6% | 4.0% | -0.4 | 250 | 250 |
| Zambezi | 6.1% | 19.2% | -1.0 | 245 | 0.4% | 1.6% | 7.8% | 0.3 | 243 | 2.4% | 6.9% | 2.8% | -0.4 | 248 | 250 |
| Southern | 6.6% | 26.9% | -1.1 | 472 | 0.8% | 2.5% | 7.4% | 0.3 | 476 | 1.8% | 7.5% | 2.2% | -0.3 | 496 | 497 |
| Choma | 6.9% | 28.1% | -1.1 | 231 | 0.4% | 0.9% | 6.5% | 0.3 | 232 | 0.8% | 6.5% | 1.6% | -0.3 | 246 | 247 |
| Monze | 6.2% | 25.7% | -1.1 | 241 | 1.2% | 4.1% | 8.2% | 0.3 | 244 | 2.8% | 8.4% | 2.8% | -0.3 | 250 | 250 |

| Variable or Indicator | Height-for-Age Indicator 1 | | | | Weight-for-Height Indicator 3 | | | | | Weight-for-Age Indicator 3 | | | | Overall Total | |
|-----------------------|----------------------------|-------|--------------|-----------------------|-------------------------------|-------|----------|--------------|-----------------------|----------------------------|-------|----------|--------------|---------------|-----------------------|
| | Stunted | | Mean Z Score | Total No. of children | % Wasted | | % Overwt | Mean Z Score | Total No. of children | % Underweight | | % Overwt | Mean Z Score | | Total No. of children |
| | -3 SD | -2 SD | | | -3 SD | -2 SD | | | | +2 SD | -3 SD | | | | |
| Western | 9.4% | 28.2% | -1.1 | 985 | 1.6% | 5.4% | 6.7% | 0.1 | 982 | 1.8% | 9.6% | 1.9% | -0.5 | 991 | 998 |
| Kalabo | 11.7% | 29.1% | -1.3 | 247 | 0.8% | 3.3% | 7.0% | 0.2 | 244 | 0.8% | 7.3% | 0.8% | -0.5 | 246 | 249 |
| Kaoma | 7.7% | 34.1% | -1.4 | 246 | 2.0% | 6.9% | 9.8% | 0.3 | 245 | 2.0% | 9.7% | 3.6% | -0.5 | 248 | 250 |
| Mongu | 8.1% | 17.8% | -0.6 | 247 | 2.0% | 6.4% | 4.4% | -0.1 | 249 | 2.8% | 10.8% | 2.8% | -0.4 | 249 | 249 |
| Shangombo | 10.2% | 31.8% | -1.3 | 245 | 1.6% | 4.9% | 5.7% | 0.1 | 244 | 1.6% | 10.5% | 0.4% | -0.6 | 248 | 250 |

Table 5. Indicators 1 and 3 - Child nutritional status by Mean and Median birthweight

| Variable or Indicator | Height-for-Age Indicator 1 | | | Weight-for-Height Indicator 3 | | | | Weight for Age Indicator 3 | | | All children | |
|--------------------------------|----------------------------|-------|-----------------------|-------------------------------|-------|--------|-----------------------|----------------------------|-------|--------|--------------|-----------------------|
| | Stunted | | Total No. of children | Wasted | | Overwt | Total No. of children | Underweight | | Overwt | | Total No. of children |
| | -3 SD | -2 SD | | -3 SD | -2 SD | | | +2 SD | -3 SD | | | |
| MEAN BIRTHWEIGHT (kg) | | | | | | | | | | | | |
| Male | 2.8 | 2.8 | 3,783 | 2.9 | 2.8 | 3.1 | 3,782 | 2.5 | 2.7 | 3.4 | 3,811 | 3,822 |
| Female | 2.7 | 2.7 | 3,619 | 2.9 | 2.7 | 3.2 | 3,616 | 2.5 | 2.5 | 3.4 | 3,654 | 3,664 |
| Total | 2.7 | 2.8 | 7,402 | 2.9 | 2.8 | 3.1 | 7,398 | 2.5 | 2.6 | 3.4 | 7,465 | 7,486 |
| MEDIAN BIRTHWEIGHT (kg) | | | | | | | | | | | | |
| Male | 2.9 | 3.0 | 3,783 | 3.0 | 3.0 | 3.2 | 3,782 | 2.7 | 2.9 | 3.5 | 3,811 | 3,822 |
| Female | 2.9 | 3.0 | 3,619 | 3.0 | 2.9 | 3.2 | 3,616 | 2.6 | 2.6 | 3.5 | 3,654 | 3,664 |
| Total | 2.9 | 3.0 | 7,402 | 3.0 | 3.0 | 3.2 | 7,398 | 2.6 | 2.8 | 3.5 | 7,465 | 7,486 |

Table 6. Indicators 1 and 3 - Child nutritional status by key mother characteristics

| Variable or Indicator | Height-for-Age Indicator 1 | | | | Weight-for-Height Indicator 3 | | | | | Weight-for-Age Indicator 3 | | | | Overall Total | |
|-------------------------------------|----------------------------|-------|--------------|-----------------------|-------------------------------|-------|----------|--------------|-----------------------|----------------------------|-------|----------|--------------|---------------|-----------------------|
| | % Stunted | | Mean Z Score | Total No. of children | % Wasted | | % Overwt | Mean Z Score | Total No. of children | % Underweight | | % Overwt | Mean Z Score | | Total No. of children |
| | -3 SD | -2 SD | | | -3 SD | -2 SD | | | | +2 SD | -3 SD | | | | |
| MOTHER'S AGE | | | | | | | | | | | | | | | |
| 15-19 | 11.4% | 32.6% | -1.4 | 900 | 1.1% | 3.9% | 10.3% | 0.4 | 899 | 3.5% | 11.0% | 1.4% | -0.6 | 916 | 919 |
| 20-24 | 9.2% | 30.1% | -1.2 | 2,033 | 0.5% | 2.7% | 9.1% | 0.3 | 2,033 | 1.5% | 8.9% | 2.1% | -0.5 | 2,045 | 2,05 |
| 25-29 | 10.1% | 28.4% | -1.2 | 1,635 | 1.0% | 3.9% | 7.7% | 0.3 | 1,630 | 2.1% | 9.2% | 2.5% | -0.5 | 1,648 | 1,654 |
| 30-34 | 8.6% | 29.1% | -1.1 | 1,198 | 0.9% | 3.0% | 9.0% | 0.3 | 1,199 | 2.2% | 9.8% | 3.1% | -0.4 | 1,209 | 1,211 |
| 35-39 | 9.6% | 29.7% | -1.2 | 887 | 1.4% | 3.6% | 6.9% | 0.2 | 887 | 2.5% | 11.0% | 2.0% | -0.5 | 893 | 895 |
| 40-44 | 9.4% | 35.1% | -1.3 | 362 | 1.1% | 3.3% | 5.5% | 0.2 | 362 | 2.5% | 10.2% | 2.5% | -0.5 | 364 | 367 |
| 45-49 | 16.2% | 33.8% | -1.4 | 68 | 1.4% | 4.3% | 7.2% | 0.1 | 69 | 1.4% | 11.4% | 4.3% | -0.7 | 70 | 70 |
| Total | 9.7% | 30.1% | -1.2 | 7,083 | 0.9% | 3.3% | 8.4% | 0.3 | 7,079 | 2.2% | 9.7% | 2.3% | -0.5 | 7,145 | 7,166 |
| MOTHER'S EDUCATION LEVEL | | | | | | | | | | | | | | | |
| None | 12.4% | 36.0% | -1.4 | 670 | 1.0% | 3.1% | 6.4% | 0.1 | 671 | 3.0% | 12.1% | 2.2% | -0.7 | 675 | 679 |
| Preschool | 15.0% | 39.2% | -1.5 | 120 | 1.7% | 5.8% | 8.3% | 0.2 | 120 | 3.3% | 13.2% | 0.0% | -0.7 | 121 | 121 |
| Primary | 11.4% | 34.2% | -1.4 | 3,305 | 1.0% | 3.7% | 8.0% | 0.2 | 3,302 | 2.6% | 11.2% | 2.0% | -0.6 | 3,332 | 3,343 |
| Jr Secondary | 8.8% | 27.7% | -1.2 | 1,629 | 0.8% | 3.5% | 8.7% | 0.3 | 1,627 | 1.9% | 9.3% | 2.1% | -0.5 | 1,645 | 1,651 |
| Sr secondary | 5.7% | 22.0% | -1.0 | 989 | 0.6% | 2.0% | 9.5% | 0.4 | 990 | 1.0% | 6.1% | 2.8% | -0.3 | 999 | 999 |
| Higher | 3.4% | 12.6% | -0.5 | 380 | 0.8% | 2.1% | 12.4% | 0.6 | 379 | 0.5% | 3.4% | 5.5% | 0.2 | 383 | 383 |
| Total | 9.7% | 30.1% | -1.2 | 7,093 | 0.9% | 3.3% | 8.4% | 0.3 | 7,089 | 2.2% | 9.8% | 2.3% | -0.5 | 7,155 | 7,176 |
| MOTHER'S ECONOMIC ACTIVITIES | | | | | | | | | | | | | | | |
| None | 8.6% | 27.8% | -1.1 | 2,206 | 1.0% | 3.7% | 8.6% | 0.3 | 2,203 | 2.0% | 9.2% | 2.5% | -0.5 | 2,227 | 2,234 |
| Farmer | 11.1% | 33.5% | -1.4 | 3,293 | 0.9% | 3.3% | 7.5% | 0.3 | 3,294 | 2.3% | 10.8% | 1.6% | -0.6 | 3,322 | 3,333 |
| Salaried | 5.3% | 13.7% | -0.5 | 262 | 0.8% | 1.1% | 12.6% | 0.6 | 261 | 0.8% | 4.5% | 6.4% | 0.2 | 266 | 266 |
| Self-employed | 10.7% | 30.9% | -1.2 | 572 | 0.5% | 2.5% | 9.5% | 0.3 | 570 | 2.1% | 8.9% | 2.1% | -0.5 | 576 | 576 |
| Business woman | 7.7% | 26.8% | -1.0 | 362 | 0.8% | 3.3% | 10.5% | 0.4 | 361 | 1.9% | 8.5% | 3.9% | -0.3 | 363 | 364 |
| Charcoal burning | 6.9% | 27.6% | -1.5 | 29 | 0.0% | 3.3% | 3.3% | -0.2 | 30 | 3.2% | 12.9% | 3.2% | -0.8 | 31 | 32 |
| Casual labour | 11.2% | 32.9% | -1.4 | 161 | 1.8% | 8.0% | 7.4% | -0.1 | 163 | 5.5% | 15.3% | 2.5% | -0.8 | 163 | 163 |
| Students | 5.3% | 22.5% | -1.0 | 151 | 0.7% | 1.3% | 13.9% | 0.6 | 151 | 1.3% | 4.6% | 4.0% | -0.2 | 151 | 151 |

| Variable or Indicator | Height-for-Age Indicator 1 | | | | Weight-for-Height Indicator 3 | | | | | Weight-for-Age Indicator 3 | | | | Overall Total | |
|--------------------------------|----------------------------|-------|--------------|-----------------------|-------------------------------|-------|----------|--------------|-----------------------|----------------------------|-------|----------|--------------|---------------|-----------------------|
| | % Stunted | | Mean Z Score | Total No. of children | % Wasted | | % Overwt | Mean Z Score | Total No. of children | % Underweight | | % Overwt | Mean Z Score | | Total No. of children |
| | -3 SD | -2 SD | | | -3 SD | -2 SD | | | | +2 SD | -3 SD | | | | |
| Other | 7.0% | 21.1% | -1.1 | 57 | 0.0% | 0.0% | 5.4% | 0.3 | 56 | 0.0% | 8.9% | 1.8% | -0.4 | 56 | 57 |
| Total | 9.7% | 30.1% | -1.2 | 7,093 | 0.9% | 3.3% | 8.4% | 0.3 | 7,089 | 2.2% | 9.8% | 2.3% | -0.5 | 7,155 | 7,176 |
| MOTHER'S MARITAL STATUS | | | | | | | | | | | | | | | |
| Single | 9.1% | 29.3% | -1.2 | 1,156 | 0.9% | 3.0% | 9.2% | 0.3 | 1,151 | 2.7% | 8.9% | 2.2% | -0.5 | 1,168 | 1,171 |
| Married (monogamous) | 9.6% | 29.3% | -1.2 | 4,834 | 0.9% | 3.5% | 8.4% | 0.3 | 4,837 | 2.0% | 9.6% | 2.2% | -0.5 | 4,879 | 4,890 |
| Married (polygamous) | 12.0% | 36.4% | -1.3 | 434 | 0.9% | 2.8% | 8.3% | 0.2 | 434 | 2.3% | 11.7% | 3.0% | -0.6 | 437 | 439 |
| Divorced | 11.2% | 35.3% | -1.4 | 340 | 0.3% | 3.2% | 9.4% | 0.3 | 339 | 2.9% | 12.9% | 3.5% | -0.6 | 342 | 343 |
| Widow | 10.3% | 37.1% | -1.3 | 97 | 3.1% | 4.2% | 4.2% | 0.0 | 96 | 0.0% | 10.3% | 2.1% | -0.7 | 97 | 98 |
| Separated | 9.3% | 27.6% | -1.2 | 225 | 1.3% | 3.1% | 7.1% | 0.1 | 225 | 2.7% | 8.9% | 1.8% | -0.5 | 225 | 228 |
| Cohabiting | 14.3% | 28.6% | -2.1 | 7 | 0.0% | 14.3% | 0.0% | -0.0 | 7 | 14.3% | 28.6% | 0.0% | -1.2 | 7 | 7 |
| Total | 9.7% | 30.1% | -1.2 | 7,093 | 0.9% | 3.3% | 8.4% | 0.3 | 7,089 | 2.2% | 9.8% | 2.3% | -0.5 | 7,155 | 7,176 |
| MOTHER'S BMI | | | | | | | | | | | | | | | |
| Underweight (<18.5) | 11.5% | 36.4% | -1.5 | 503 | 1.0% | 5.9% | 3.4% | -0.2 | 505 | 4.2% | 17.0% | 1.6% | -1.0 | 506 | 506 |
| Average (18.5-24.9) | 10.2% | 30.9% | -1.3 | 4,967 | 0.9% | 3.2% | 8.1% | 0.3 | 4,961 | 2.2% | 9.9% | 2.0% | -0.5 | 5,008 | 5,023 |
| Overweight (>=25.0) | 7.1% | 23.3% | -0.9 | 1,460 | 1.0% | 3.2% | 11.9% | 0.5 | 1,460 | 1.3% | 6.0% | 3.5% | -0.2 | 1,476 | 1,48 |
| Total | 9.6% | 29.7% | -1.2 | 6,930 | 0.9% | 3.4% | 8.6% | 0.3 | 6,926 | 2.1% | 9.6% | 2.3% | -0.5 | 6,990 | 7,009 |

Table 7. Indicators 1 and 3 - Child nutritional status by key household characteristics

| Variable or Indicator | Height-for-age Indicator 1 | | | | Weight-for-Height Indicator 3 | | | | | Weight-for-Age Indicator 3 | | | | Overall Total | |
|-------------------------------------|----------------------------|-------|--------------|-----------------------|-------------------------------|-------|----------|--------------|-----------------------|----------------------------|-------|----------|--------------|---------------|-----------------------|
| | % Stunted | | Mean Z Score | Total No. of children | % Wasted | | % Overwt | Mean Z Score | Total No. of children | % Underweight | | % Overwt | Mean Z Score | | Total No. of children |
| | -3 SD | -2 SD | | | -3 SD | -2 SD | | | | +2 SD | -3 SD | | | | |
| HOUSEHOLD SIZE | | | | | | | | | | | | | | | |
| ≤ 5 | 10.3% | 30.5% | -1.3 | 3,418 | 0.7% | 3.2% | 8.4% | 0.3 | 3,423 | 2.0% | 9.2% | 1.9% | -0.5 | 3,450 | 3,463 |
| 5-10 | 9.3% | 30.0% | -1.2 | 3,622 | 1.1% | 3.4% | 8.3% | 0.3 | 3,614 | 2.2% | 10.3% | 2.4% | -0.5 | 3,650 | 3,657 |
| 10+ | 12.7% | 29.0% | -1.1 | 362 | 1.4% | 3.9% | 10.2% | 0.3 | 361 | 3.6% | 12.1% | 4.7% | -0.4 | 365 | 366 |
| HOUSEHOLD LOCATION | | | | | | | | | | | | | | | |
| Urban | 10.9% | 32.7% | -1.3 | 5,052 | 1.0% | 3.6% | 8.1% | 0.2 | 5,050 | 2.4% | 10.9% | 1.9% | -0.6 | 5,093 | 5,113 |
| Rural | 7.8% | 24.8% | -1.0 | 2,350 | 0.7% | 2.9% | 9.2% | 0.4 | 2,348 | 1.7% | 7.5% | 3.0% | -0.3 | 2,372 | 2,373 |
| RESPONDENT'S EDUCATION LEVEL | | | | | | | | | | | | | | | |
| None | 12.4% | 35.8% | -1.4 | 704 | 1.0% | 3.1% | 6.4% | 0.1 | 706 | 3.1% | 12.3% | 2.1% | -0.7 | 710 | 714 |
| Preschool | 15.1% | 38.9% | -1.4 | 126 | 1.6% | 5.6% | 7.9% | 0.2 | 126 | 3.1% | 13.4% | 0.0% | -0.7 | 127 | 127 |
| Primary | 11.5% | 34.3% | -1.4 | 3,432 | 1.0% | 3.7% | 7.9% | 0.2 | 3,429 | 2.7% | 11.2% | 2.0% | -0.6 | 3,459 | 3,47 |
| Jr Secondary | 9.1% | 27.8% | -1.2 | 1,696 | 0.8% | 3.7% | 8.7% | 0.3 | 1,694 | 1.9% | 9.5% | 2.0% | -0.5 | 1,712 | 1,718 |
| Sr secondary | 6.0% | 22.4% | -0.9 | 1,036 | 0.6% | 2.0% | 9.5% | 0.4 | 1,036 | 1.1% | 6.3% | 3.0% | -0.2 | 1,046 | 1,046 |
| Higher | 3.7% | 13.0% | -0.5 | 407 | 1.2% | 2.7% | 12.6% | 0.6 | 406 | 0.5% | 3.7% | 5.1% | 0.1 | 410 | 410 |
| Total ² | 9.9% | 30.2% | -1.2 | 7,401 | 0.9% | 3.4% | 8.4% | 0.3 | 7,397 | 2.2% | 9.8% | 2.3% | -0.5 | 7,464 | 7,485 |
| RESPONDENT'S MARITAL STATUS | | | | | | | | | | | | | | | |
| Single | 9.4% | 29.7% | -1.2 | 1,244 | 0.9% | 2.9% | 9.0% | 0.3 | 1,238 | 2.5% | 8.7% | 2.2% | -0.5 | 1,256 | 1,259 |
| Married (monogamous) | 9.8% | 29.4% | -1.2 | 4,949 | 0.9% | 3.5% | 8.3% | 0.3 | 4,952 | 2.0% | 9.7% | 2.2% | -0.5 | 4,994 | 5,005 |
| Married (polygamous) | 12.1% | 35.9% | -1.3 | 448 | 1.1% | 2.9% | 8.5% | 0.2 | 448 | 2.7% | 12.0% | 2.9% | -0.6 | 451 | 453 |
| Divorced | 11.5% | 36.2% | -1.4 | 365 | 0.3% | 3.3% | 9.3% | 0.3 | 364 | 3.0% | 13.1% | 3.3% | -0.6 | 367 | 368 |
| Widow | 8.1% | 34.9% | -1.2 | 149 | 2.0% | 3.4% | 6.7% | 0.2 | 149 | 1.3% | 10.0% | 2.7% | -0.5 | 150 | 151 |
| Separated | 10.0% | 27.6% | -1.2 | 239 | 1.3% | 2.9% | 6.7% | 0.1 | 239 | 2.9% | 8.8% | 1.7% | -0.5 | 239 | 242 |

² The education level of one respondent is missing leading to a difference in the row "Total" in this group

| Variable or Indicator | Height-for-age Indicator 1 | | | | Weight-for-Height Indicator 3 | | | | | Weight-for-Age Indicator 3 | | | | | Overall Total |
|---|----------------------------|-------|--------------|-----------------------|-------------------------------|-------|----------------|--------------|-----------------------|----------------------------|-------|----------------|--------------|-----------------------|---------------|
| | % Stunted | | Mean Z Score | Total No. of children | % Wasted | | % Overwt +2 SD | Mean Z Score | Total No. of children | % Underweight | | % Overwt +2 SD | Mean Z Score | Total No. of children | |
| | -3 SD | -2 SD | | | -3 SD | -2 SD | | | | -3 SD | -2 SD | | | | |
| Cohabiting | 14.3% | 28.6% | -2.1 | 7 | 0.0% | 14.3% | 0.0% | -0.0 | 7 | 14.3% | 28.6% | 0.0% | -1.2 | 7 | 7 |
| Total | 9.9% | 30.2% | -1.2 | 7,401 | 0.9% | 3.4% | 8.4% | 0.3 | 7,397 | 2.2% | 9.8% | 2.3% | -0.5 | 7,464 | 7,485 |
| HOUSEHOLD HEAD'S AGE | | | | | | | | | | | | | | | |
| 15-19 | 11.8% | 33.0% | -1.4 | 636 | 0.9% | 3.3% | 8.2% | 0.2 | 638 | 2.3% | 10.7% | 1.2% | -0.7 | 643 | 645 |
| 20-24 | 9.9% | 29.6% | -1.2 | 2,528 | 0.8% | 3.1% | 8.4% | 0.3 | 2,526 | 1.8% | 8.6% | 2.3% | -0.5 | 2,548 | 2,554 |
| 25-29 | 10.2% | 30.2% | -1.2 | 2,216 | 1.1% | 3.5% | 8.4% | 0.3 | 2,211 | 2.6% | 10.1% | 2.4% | -0.5 | 2,228 | 2,234 |
| 30-34 | 8.5% | 28.6% | -1.1 | 1,086 | 1.0% | 3.9% | 7.0% | 0.2 | 1,089 | 2.1% | 10.7% | 2.3% | -0.5 | 1,100 | 1,102 |
| 35-39 | 8.9% | 30.5% | -1.2 | 586 | 1.0% | 3.9% | 9.6% | 0.3 | 586 | 2.9% | 12.6% | 2.5% | -0.5 | 596 | 600 |
| 40+ | 10.9% | 33.4% | -1.3 | 350 | 0.6% | 1.7% | 11.8% | 0.5 | 348 | 1.4% | 8.0% | 2.6% | -0.4 | 350 | 351 |
| Total | 9.9% | 30.2% | -1.2 | 7,402 | 0.9% | 3.4% | 8.4% | 0.3 | 7,398 | 2.2% | 9.8% | 2.3% | -0.5 | 7,465 | 7,486 |
| HOUSEHOLD HEAD'S EDUCATION LEVEL | | | | | | | | | | | | | | | |
| None | 11.3% | 32.7% | -1.3 | 568 | 1.1% | 2.1% | 7.5% | 0.2 | 570 | 2.6% | 11.0% | 1.9% | -0.6 | 574 | 578 |
| Preschool | 13.9% | 32.4% | -1.2 | 108 | 0.9% | 4.6% | 3.7% | 0.1 | 108 | 0.9% | 12.0% | 2.8% | -0.7 | 108 | 108 |
| Primary | 10.7% | 34.6% | -1.4 | 2,940 | 1.0% | 4.1% | 8.9% | 0.2 | 2,935 | 2.9% | 11.6% | 2.0% | -0.6 | 2,962 | 2,971 |
| Jr Secondary | 11.0% | 31.1% | -1.3 | 1,782 | 0.8% | 3.4% | 7.7% | 0.3 | 1,784 | 2.2% | 10.3% | 2.1% | -0.5 | 1,796 | 1,801 |
| Sr secondary | 8.8% | 25.4% | -1.1 | 1,265 | 0.5% | 2.8% | 7.9% | 0.3 | 1,263 | 1.4% | 8.1% | 2.9% | -0.4 | 1,280 | 1,283 |
| Higher | 4.5% | 16.4% | -0.7 | 739 | 1.4% | 2.3% | 10.7% | 0.5 | 738 | 0.7% | 3.5% | 3.0% | -0.0 | 745 | 745 |
| Total | 9.9% | 30.2% | -1.2 | 7,402 | 0.9% | 3.4% | 8.4% | 0.3 | 7,398 | 2.2% | 9.8% | 2.3% | -0.5 | 7,465 | 7,486 |
| HOUSEHOLD HEAD'S ECONOMIC ACTIVITIES | | | | | | | | | | | | | | | |
| None | 10.5% | 30.0% | -1.1 | 323 | 0.6% | 2.2% | 9.0% | 0.3 | 321 | 1.2% | 7.3% | 4.0% | -0.4 | 327 | 330 |
| Farmer | 11.2% | 33.9% | -1.4 | 3,690 | 1.1% | 3.6% | 8.5% | 0.3 | 3,688 | 2.6% | 11.4% | 1.9% | -0.6 | 3,726 | 3,738 |
| Salaried | 6.6% | 19.9% | -0.8 | 1,141 | 1.1% | 2.9% | 9.6% | 0.4 | 1,141 | 1.2% | 5.5% | 3.1% | -0.2 | 1,148 | 1,148 |
| Self-employed | 9.2% | 29.2% | -1.2 | 1,126 | 0.7% | 3.2% | 8.0% | 0.3 | 1,125 | 2.0% | 9.8% | 2.4% | -0.5 | 1,134 | 1,135 |
| Business woman | 8.9% | 24.7% | -1.1 | 405 | 0.7% | 3.7% | 6.9% | 0.3 | 404 | 1.7% | 9.1% | 1.7% | -0.4 | 407 | 408 |
| Charcoal burning | 9.3% | 32.2% | -1.4 | 118 | 0.0% | 2.5% | 5.9% | 0.2 | 119 | 2.5% | 10.8% | 1.7% | -0.7 | 120 | 121 |
| Casual labour | 9.8% | 33.0% | -1.2 | 470 | 0.8% | 4.5% | 8.3% | 0.2 | 471 | 3.0% | 10.8% | 2.3% | -0.5 | 474 | 476 |
| Students | 10.0% | 20.0% | -0.6 | 10 | 0.0% | 0.0% | 0.0% | 0.1 | 10 | 0.0% | 0.0% | 0.0% | -0.3 | 10 | 11 |
| Other | 10.9% | 29.4% | -1.2 | 119 | 0.0% | 2.5% | 6.7% | 0.3 | 119 | 2.5% | 10.9% | 1.7% | -0.5 | 119 | 119 |

| Variable or Indicator | Height-for-age Indicator 1 | | | | Weight-for-Height Indicator 3 | | | | | Weight-for-Age Indicator 3 | | | | | Overall Total |
|--|----------------------------|-------|--------------|-----------------------|-------------------------------|-------|----------|--------------|-----------------------|----------------------------|-------|----------|--------------|-----------------------|---------------|
| | % Stunted | | Mean Z Score | Total No. of children | % Wasted | | % Overwt | Mean Z Score | Total No. of children | % Underweight | | % Overwt | Mean Z Score | Total No. of children | |
| | -3 SD | -2 SD | | | -3 SD | -2 SD | | | | -3 SD | -2 SD | | | | |
| Total | 9.9% | 30.2% | -1.2 | 7,402 | 0.9% | 3.4% | 8.4% | 0.3 | 7,398 | 2.2% | 9.8% | 2.3% | -0.5 | 7,465 | 7,486 |
| HOUSEHOLD HEAD'S MARITAL STATUS | | | | | | | | | | | | | | | |
| Single | 10.8% | 29.7% | -1.2 | 185 | 0.5% | 2.7% | 7.0% | 0.2 | 185 | 1.6% | 7.5% | 1.1% | -0.6 | 187 | 187 |
| Married (monogamous) | 9.9% | 29.5% | -1.2 | 5,650 | 1.0% | 3.5% | 8.2% | 0.3 | 5,645 | 2.1% | 9.8% | 2.1% | -0.5 | 5,691 | 5,704 |
| Married (polygamous) | 11.8% | 35.8% | -1.3 | 544 | 0.7% | 2.6% | 9.4% | 0.3 | 545 | 2.0% | 10.5% | 2.7% | -0.6 | 550 | 552 |
| Divorced | 9.3% | 32.7% | -1.2 | 398 | 0.8% | 3.8% | 9.6% | 0.3 | 397 | 3.0% | 9.7% | 4.2% | -0.5 | 403 | 404 |
| Widow | 7.3% | 31.4% | -1.2 | 507 | 0.8% | 3.3% | 8.7% | 0.3 | 508 | 2.3% | 11.2% | 2.3% | -0.5 | 516 | 518 |
| Separated | 13.2% | 25.4% | -1.2 | 114 | 0.9% | 0.9% | 10.5% | 0.3 | 114 | 2.6% | 7.0% | 2.6% | -0.5 | 114 | 117 |
| Cohabiting | 25.0% | 50.0% | -2.5 | 4 | 0.0% | 0.0% | 0.0% | 0.3 | 4 | 25.0% | 25.0% | 0.0% | -1.3 | 4 | 4 |
| Total | 9.9% | 30.2% | -1.2 | 7,402 | 0.9% | 3.4% | 8.4% | 0.3 | 7,398 | 2.2% | 9.8% | 2.3% | -0.5 | 7,465 | 7,486 |

Table 8. Indicator 2 - Women's BMI by age and geo-location

| Variable | Underweight (<18.5) | | Average (18.5-24.9) | | Overweight (>= 25.0) | | Total | |
|--------------------------|---------------------|---------|---------------------|---------|----------------------|---------|--------------------|---------|
| | Number | Percent | Number | Percent | Number | Percent | Number | Percent |
| WOMAN'S AGE GROUP | | | | | | | | |
| 15-19 | 86 | 9.5% | 739 | 81.5% | 82 | 9.0% | 907 | 12.8% |
| 20-24 | 139 | 6.9% | 1,563 | 77.6% | 311 | 15.4% | 2,013 | 28.6% |
| 25-29 | 91 | 5.7% | 1,135 | 70.8% | 376 | 23.5% | 1,602 | 23.1% |
| 30-34 | 82 | 6.9% | 765 | 64.4% | 341 | 28.7% | 1,188 | 16.9% |
| 35-39 | 71 | 8.1% | 543 | 62.1% | 261 | 29.8% | 875 | 12.49% |
| 40-44 | 32 | 9.0% | 229 | 64.3% | 95 | 26.7% | 356 | 5.12% |
| 45-49 | 5 | 7.4% | 49 | 72.1% | 14 | 20.6% | 68 | 0.98% |
| TOTAL | 506 | 7.2% | 5,023 | 71.7% | 1,480 | 21.1% | 7,009 ³ | 100% |
| GEO-LOCATION | | | | | | | | |
| National | 506 | 7.2% | 5,023 | 71.7% | 1,480 | 21.1% | 7,009 | 100% |
| Central | 57 | 6.1% | 623 | 66.7% | 254 | 27.2% | 934 | 13.3% |
| Chibombo | 16 | 6.6% | 161 | 66.3% | 66 | 27.2% | 243 | 3.5% |
| Kabwe | 13 | 5.5% | 161 | 67.9% | 63 | 26.6% | 237 | 3.4% |
| Kapiri | 12 | 5.1% | 160 | 68.1% | 63 | 26.8% | 235 | 3.4% |
| Mumbwa | 16 | 7.3% | 141 | 64.4% | 62 | 28.3% | 219 | 3.1% |
| Copperbelt | 23 | 4.9% | 246 | 52.5% | 200 | 42.6% | 469 | 6.7% |
| Kitwe | 7 | 3.0% | 138 | 59.2% | 88 | 37.8% | 233 | 3.3% |
| Ndola | 16 | 6.8% | 108 | 45.8% | 112 | 47.5% | 236 | 3.4% |
| Eastern | 40 | 4.2% | 703 | 73.3% | 216 | 22.5% | 959 | 13.7% |
| Chipata | 8 | 3.4% | 161 | 67.9% | 68 | 28.7% | 237 | 3.4% |
| Katete | 13 | 5.4% | 182 | 75.2% | 47 | 19.4% | 242 | 3.5% |
| Lundazi | 9 | 3.8% | 187 | 77.9% | 44 | 18.3% | 240 | 3.4% |
| Petauke | 10 | 4.2% | 173 | 72.1% | 57 | 23.8% | 240 | 3.4% |
| Luapula | 60 | 8.8% | 522 | 76.8% | 98 | 14.4% | 680 | 9.7% |
| Mansa | 21 | 9.2% | 163 | 71.5% | 44 | 19.3% | 228 | 3.3% |
| Nchelenge | 16 | 7.1% | 189 | 83.6% | 21 | 9.3% | 226 | 3.2% |
| Samfya | 23 | 10.2% | 170 | 75.2% | 33 | 14.6% | 226 | 3.2% |
| Lusaka | 12 | 5.6% | 113 | 52.6% | 90 | 41.9% | 215 | 3.1% |
| Lusaka | 12 | 5.6% | 113 | 52.6% | 90 | 41.9% | 215 | 3.1% |
| Muchinga | 36 | 5.1% | 552 | 78.0% | 120 | 16.9% | 708 | 10.1% |
| Chinsali | 12 | 5.0% | 203 | 84.2% | 26 | 10.8% | 241 | 3.4% |
| Isoka | 8 | 3.4% | 175 | 75.4% | 49 | 21.1% | 232 | 3.3% |
| Mpika | 16 | 6.8% | 174 | 74.0% | 45 | 19.1% | 235 | 3.4% |
| Northern | 58 | 6.1% | 747 | 78.5% | 146 | 15.4% | 951 | 13.6% |
| Kaputa | 21 | 8.8% | 196 | 82.0% | 22 | 9.2% | 239 | 3.4% |
| Kasama | 14 | 5.9% | 174 | 73.7% | 48 | 20.3% | 236 | 3.4% |
| Luwingu | 12 | 5.1% | 201 | 85.5% | 22 | 9.4% | 235 | 3.4% |
| Mbala | 11 | 4.6% | 176 | 73.0% | 54 | 22.4% | 241 | 3.4% |

³ The anthropometric measures were not captured for 157 mothers and 11 were older than 49 years bringing the total number of women taken into consideration for this indicator to 7009.

| Variable | Underweight (<18.5) | | Average (18.5-24.9) | | Overweight (>= 25.0) | | Total | |
|----------------------|---------------------|---------|---------------------|---------|----------------------|---------|--------|---------|
| | Number | Percent | Number | Percent | Number | Percent | Number | Percent |
| North-Western | 56 | 8.2% | 502 | 73.3% | 127 | 18.5% | 685 | 9.8% |
| Mwinilunga | 27 | 11.6% | 182 | 78.1% | 24 | 10.3% | 233 | 3.3% |
| Solwezi | 7 | 3.1% | 141 | 62.9% | 76 | 33.9% | 224 | 3.2% |
| Zambezi | 22 | 9.6% | 179 | 78.5% | 27 | 11.8% | 228 | 3.3% |
| Southern | 35 | 7.5% | 320 | 69.0% | 109 | 23.5% | 464 | 6.6% |
| Choma | 16 | 6.9% | 168 | 72.7% | 47 | 20.3% | 231 | 3.3% |
| Monze | 19 | 8.2% | 152 | 65.2% | 62 | 26.6% | 233 | 3.3% |
| Western | 129 | 13.7% | 695 | 73.6% | 120 | 12.7% | 944 | 13.5% |
| Kalabo | 50 | 20.8% | 167 | 69.6% | 23 | 9.6% | 240 | 3.4% |
| Kaoma | 36 | 15.5% | 173 | 74.2% | 24 | 10.3% | 233 | 3.3% |
| Mongu | 17 | 7.4% | 162 | 70.7% | 50 | 21.8% | 229 | 3.3% |
| Shangombo | 26 | 10.7% | 193 | 79.8% | 23 | 9.5% | 242 | 3.5% |

Table 9. Indicator 4 - Delivery of SUN services by child stunting status

| Intervention | Overall | | | Child Stunting Status | | | | | | | | |
|---|---------|---------|--------------|-----------------------|---------|--------------|--------------------|---------|--------------|------------------|---------|--------------|
| | | | | Not Stunted | | | Moderately Stunted | | | Severely Stunted | | |
| | Number | Percent | Total Number | Number | Percent | Total Number | Number | Percent | Total Number | Number | Percent | Total Number |
| SERVICES PROVIDED TO PREGNANT AND POST-NATAL WOMEN | | | | | | | | | | | | |
| Iron Supplementation for Pregnant Women | | | | | | | | | | | | |
| Yes | 7,027 | 97.9% | 7,177 | 4,860 | 98.0% | 4,960 | 1,407 | 97.8% | 1,438 | 678 | 97.4% | 696 |
| No | 150 | 2.1% | 7,177 | 100 | 2.0% | 4,960 | 31 | 2.2% | 1,438 | 18 | 2.6% | 696 |
| Folic Acid Supplementation for Pregnant Women | | | | | | | | | | | | |
| Yes | 7,051 | 98.2% | 7,177 | 4,880 | 98.4% | 4,960 | 1,410 | 98.1% | 1,438 | 679 | 97.6% | 696 |
| No | 126 | 1.8% | 7,177 | 80 | 1.6% | 4,960 | 28 | 1.9% | 1,438 | 17 | 2.4% | 696 |
| Social Behavioural Change Communication (SBCC) on... | | | | | | | | | | | | |
| ...Women's diet during pregnancy | 6,429 | 90.7% | 7,090 | 4,471 | 91.2% | 4,902 | 1,276 | 89.8% | 1,421 | 613 | 89.6% | 684 |
| ...Women's diet during breastfeeding | 4,822 | 67.3% | 7,161 | 3,368 | 68.1% | 4,949 | 938 | 65.4% | 1,435 | 466 | 67.1% | 694 |
| ...Exclusive breastfeeding | 3,041 | 42.4% | 7,172 | 2,167 | 43.7% | 4,957 | 558 | 38.9% | 1,436 | 280 | 40.2% | 696 |
| ...Feeding a sick child | 2,926 | 40.9% | 7,148 | 2,012 | 40.7% | 4,938 | 598 | 41.7% | 1,434 | 284 | 41.0% | 693 |
| ...Complementary feeding | 3,906 | 74.3% | 5,260 | 2,640 | 75.1% | 3,516 | 853 | 73.4% | 1,162 | 389 | 71.0% | 548 |
| Convergence of Services Provided to the Mother⁴ | | | | | | | | | | | | |
| 0 service | 21 | 0.3% | 7,177 | 14 | 0.3% | 4,960 | 5 | 0.3% | 1,438 | 1 | 0.1% | 696 |
| 1 service | 24 | 0.3% | 7,177 | 15 | 0.3% | 4,960 | 4 | 0.3% | 1,438 | 5 | 0.7% | 696 |
| 2 services | 263 | 3.7% | 7,177 | 173 | 3.5% | 4,960 | 59 | 4.1% | 1,438 | 26 | 3.7% | 696 |
| 3 services | 708 | 9.9% | 7,177 | 477 | 9.6% | 4,960 | 136 | 9.5% | 1,438 | 88 | 12.6% | 696 |
| 4 services | 1,300 | 18.1% | 7,177 | 864 | 17.4% | 4,960 | 296 | 20.6% | 1,438 | 120 | 17.2% | 696 |
| 5 services | 1,759 | 24.5% | 7,177 | 1,239 | 25.0% | 4,960 | 336 | 23.4% | 1,438 | 168 | 24.1% | 696 |

⁴ Services Provided to Mothers: 1) Iron supplementation; 2) Folic acid supplementation; 3) SBCC- diet during pregnancy; 4) SBCC - diet during breast feeding; 5) SBCC- exclusive breastfeeding; 6) SBCC feeding the sick child, and 7) SBCC complementary feeding.

| Intervention | Overall | | | Child Stunting Status | | | | | | | | |
|--|---------|---------|--------------|-----------------------|----------|--------------|--------------------|----------|--------------|------------------|----------|--------------|
| | | | | Not Stunted | | | Moderately Stunted | | | Severely Stunted | | |
| | Number | Percent | Total Number | Number | Percent | Total Number | Number | Percent | Total Number | Number | Percent | Total Number |
| 6 services | 1,969 | 27.4% | 7,177 | 1,367 | 27.6% | 4,960 | 399 | 27.7% | 1,438 | 181 | 26.0% | 696 |
| 7 services | 1,133 | 15.8% | 7,177 | 811 | 16.4% | 4,960 | 203 | 14.1% | 1,438 | 107 | 15.4% | 696 |
| 6-7 services | 3,102 | 43.2% | 7,177 | 2,178 | 44% | 4,960 | 602 | 41.8% | 1,438 | 288 | 41.4% | 696 |
| Median No. Services | 5 | | | 5.0 | 4.0, 6.0 | | 5.0 | 4.0, 6.0 | | 5.0 | 4.0, 6.0 | |
| SERVICES PROVIDED TO CHILDREN 0-24 MONTHS | | | | | | | | | | | | |
| Vitamin A in the Past 6 Months | | | | | | | | | | | | |
| 6-8 months | 588 | 56.6% | 1,039 | 473 | 57.0% | 829 | 85 | 57.4% | 148 | 26 | 49.1% | 53 |
| 9-11 months | 673 | 64.5% | 1,044 | 527 | 65.7% | 802 | 109 | 62.6% | 174 | 34 | 52.3% | 65 |
| 12-17 months | 1,259 | 70.3% | 1,791 | 805 | 70.8% | 1,137 | 296 | 70.0% | 423 | 150 | 68.2% | 220 |
| 18-23 months | 1,210 | 72.6% | 1,667 | 671 | 72.0% | 932 | 355 | 75.2% | 472 | 175 | 69.7% | 251 |
| Total | 3,730 | 67.32% | 5,541 | 2,476 | 66.9% | 3,700 | 845 | 69.4% | 1,217 | 385 | 65.4% | 589 |
| Deworming in the Past 6 Months | | | | | | | | | | | | |
| 12-17 months | 893 | 49.9% | 1,791 | 563 | 49.5% | 1,137 | 218 | 51.5% | 423 | 106 | 48.2% | 220 |
| 18-23 months | 1,020 | 61.2% | 1,667 | 586 | 62.9% | 932 | 293 | 62.1% | 472 | 136 | 54.2% | 251 |
| Total | 2,307 | 41.6% | 5,541 | 1,466 | 39.6% | 3,700 | 571 | 46.9% | 1,217 | 256 | 43.5% | 589 |
| Growth Monitoring: Growth recorded and plotted in the last 6 months | | | | | | | | | | | | |
| < 6 months | 1,442 | 74.1% | 1,945 | 1,111 | 75.7% | 1,467 | 202 | 72.7% | 278 | 101 | 66.9% | 151 |
| 6-8 months | 991 | 95.4% | 1,039 | 787 | 94.9% | 829 | 143 | 96.6% | 148 | 52 | 98.1% | 53 |
| 9-11 months | 979 | 93.8% | 1,044 | 751 | 93.6% | 802 | 168 | 96.6% | 174 | 57 | 87.7% | 65 |
| 12-17 months | 1,644 | 91.8% | 1,791 | 1,044 | 91.8% | 1,137 | 395 | 93.4% | 423 | 195 | 88.6% | 220 |
| 18-23 months | 1,505 | 90.3% | 1,667 | 841 | 90.2% | 932 | 428 | 90.7% | 472 | 225 | 89.6% | 251 |
| Total | 6,561 | 87.6% | 7,486 | 4,534 | 87.7% | 5,167 | 1,336 | 89.4% | 1,495 | 630 | 85.1% | 740 |

| Intervention | Overall | | | Child Stunting Status | | | | | | | | |
|--|---------|---------|--------------|-----------------------|---------|--------------|--------------------|---------|--------------|------------------|---------|--------------|
| | | | | Not Stunted | | | Moderately Stunted | | | Severely Stunted | | |
| | Number | Percent | Total Number | Number | Percent | Total Number | Number | Percent | Total Number | Number | Percent | Total Number |
| Convergence of Services Provided to Mother and Child Less Than 6 Months⁵ | | | | | | | | | | | | |
| No service | 14 | 0.7% | 1,945 | 8 | 0.5% | 1,467 | 5 | 1.8% | 278 | 1 | 0.7% | 151 |
| 1 service only | 37 | 1.9% | 1,945 | 31 | 2.1% | 1,467 | 3 | 1.1% | 278 | 3 | 2.0% | 151 |
| 2 services | 42 | 2.1% | 1,945 | 30 | 2.0% | 1,467 | 4 | 1.4% | 278 | 4 | 2.6% | 151 |
| 3 services | 114 | 5.9% | 1,945 | 78 | 5.3% | 1,467 | 19 | 6.8% | 278 | 13 | 8.6% | 151 |
| 4 services | 263 | 13.5% | 1,945 | 193 | 13.2% | 1,467 | 36 | 13.0% | 278 | 29 | 19.2% | 151 |
| 5 services | 416 | 21.9% | 1,945 | 306 | 20.9% | 1,467 | 75 | 27.0% | 278 | 28 | 18.5% | 151 |
| 6-8 services | 1059 | 54.5% | 1,945 | 821 | 56.0% | 1,467 | 136 | 48.9% | 278 | 73 | 58.9% | 151 |
| Median No. Services | 5 | (4,6) | | | 5 (4,6) | | | 5 (4,6) | | | 5 (4,6) | |
| Convergence of Services Provided to Mother and Child 6-11 months⁶ | | | | | | | | | | | | |
| No service | 4 | 0.2% | 2,083 | 3 | 0.2% | 1,631 | 0 | 0.0% | 322 | 1 | 0.8% | 118 |
| 1 services | 30 | 1.4% | 2,083 | 27 | 1.7% | 1,631 | 2 | 0.6% | 322 | 1 | 0.8% | 118 |
| 2 services | 42 | 2.0% | 2,083 | 32 | 2.0% | 1,631 | 6 | 1.9% | 322 | 4 | 3.4% | 118 |
| 3 services | 39 | 1.9% | 2,083 | 31 | 1.9% | 1,631 | 4 | 1.2% | 322 | 4 | 3.4% | 118 |
| 4 services | 133 | 6.4% | 2,083 | 95 | 5.8% | 1,631 | 26 | 8.1% | 322 | 12 | 10.2% | 118 |
| 5 services | 242 | 11.6% | 2,083 | 183 | 11.2% | 1,631 | 44 | 13.7% | 322 | 12 | 10.2% | 118 |
| 6-9 services | 1,593 | 76.5% | 2,083 | 1,260 | 77.3% | 1,631 | 240 | 74.5% | 322 | 84 | 71.2% | 118 |
| Median No. Services | 7 | 6,8 | | | 7 (6,8) | | | 7 (5,8) | | | 6 (5,8) | |
| Convergence of Services Provided to Mother and Child 12-24 Months⁷ | | | | | | | | | | | | |
| No service | 19 | 0.5% | 3,458 | 10 | 0.5% | 3,700 | 6 | 0.7% | 895 | 3 | 0.6% | 471 |

⁵ Services provided to mother and child less than 6 months: 1) Iron supplementation; 2) Folic acid supplementation; 3) SBCC- diet during pregnancy; 4) SBCC - diet during breast feeding; 5) SBCC- exclusive breastfeeding; 6) SBCC feeding the sick child; 7) SBCC complementary feeding, and 8) Exclusive breastfeeding until 6 months.

⁶ Services provided to mother and child 6-11 months: 1) Growth monitoring; 2) Vitamin A supplementation; 3) Iron supplementation; 4) Folic acid supplementation; 5) SBCC diet during pregnancy; 6) SBCC diet during breast feeding; 7) SBCC exclusive breastfeeding; 8) SBCC feeding the sick child, and 9) SBCC complementary feeding.

⁷ Services provided to mother and child 12-24 months: 1) Growth monitoring; 2) Deworming; 3) Vitamin A supplementation; 4) Iron supplementation; 5) Folic acid supplementation; 6) SBCC diet during pregnancy; 7) SBCC diet during breast feeding; 8) SBCC exclusive breastfeeding; 9) SBCC feeding the sick child, and 10) SBCC complementary feeding.

| Intervention | Overall | | | Child Stunting Status | | | | | | | | |
|---------------------|---------|---------|--------------|-----------------------|---------|--------------|--------------------|---------|--------------|------------------|---------|--------------|
| | | | | Not Stunted | | | Moderately Stunted | | | Severely Stunted | | |
| | Number | Percent | Total Number | Number | Percent | Total Number | Number | Percent | Total Number | Number | Percent | Total Number |
| 1 services | 53 | 1.5% | 3,458 | 34 | 1.6% | 2,069 | 12 | 1.3% | 895 | 6 | 1.3% | 471 |
| 2 services | 60 | 1.7% | 3,458 | 38 | 1.8% | 2,069 | 10 | 1.1% | 895 | 11 | 2.3% | 471 |
| 3 services | 168 | 4.9% | 3,458 | 102 | 4.9% | 2,069 | 41 | 4.6% | 895 | 24 | 5.1% | 471 |
| 4 services | 127 | 3.7% | 3,458 | 72 | 3.5% | 2,069 | 31 | 3.5% | 895 | 24 | 5.1% | 471 |
| 5 services | 285 | 8.2% | 3,458 | 166 | 8.0% | 2,069 | 70 | 7.8% | 895 | 47 | 10.0% | 471 |
| 6-10 services | 2,746 | 79.4% | 3,458 | 1,647 | 79.6% | 2,069 | 725 | 81.0% | 895 | 356 | 75.6% | 471 |
| Median No. Services | 7 | (6,8) | | | 7 (6,9) | | | 7 (6,9) | | | 7 (6,8) | |

3 Objective 1: Adequate quantity and quality of food

Table 10. Indicator 5 - % of HHs with moderate or severe hunger by demographic characteristics and child stunting status

| Variable | Total number of House Holds | Little to no hunger | | Moderate hunger | | Severe hunger | | Total HHs with moderate or severe hunger | |
|-----------------------|-----------------------------|---------------------|---------|-----------------|---------|---------------|---------|--|---------|
| | | Number | Percent | Number | Percent | Number | Percent | Number | Percent |
| REGION | | | | | | | | | |
| Rural | 5,112 | 971 | 19.0% | 1,673 | 32.7% | 2,468 | 48.3% | 4,141 | 81.0% |
| Urban | 2,373 | 853 | 35.9% | 791 | 33.3% | 729 | 30.7% | 1,520 | 64.1% |
| Total | 7,485 | 1,824 | 24.4% | 2,464 | 32.9% | 3,197 | 42.7% | 5,661 | 75.6% |
| HOUSEHOLD SIZE | | | | | | | | | |
| ≤ 5 | 3,462 | 916 | 26.5% | 1,138 | 32.9% | 1,408 | 40.7% | 2,546 | 73.5% |
| 5-10 | 3,657 | 825 | 22.6% | 1,206 | 33.0% | 1,626 | 44.5% | 2,832 | 77.4% |
| 10+ | 366 | 83 | 22.7% | 120 | 32.8% | 163 | 44.5% | 283 | 77.3% |
| Total | 7,485 | 1,824 | 24.4% | 2,464 | 32.9% | 3,197 | 42.7% | 5,661 | 75.6% |
| GEO-LOCATION | | | | | | | | | |
| National | 7,485 | 1,824 | 24.4% | 2,464 | 32.9% | 3,197 | 42.7% | 5,661 | 75.6% |
| Central | 998 | 314 | 31.5% | 397 | 39.8% | 287 | 28.8% | 684 | 68.5% |
| Chibombo | 249 | 60 | 24.1% | 107 | 43.0% | 82 | 32.9% | 189 | 75.9% |
| Kabwe | 250 | 81 | 32.4% | 101 | 40.4% | 68 | 27.2% | 169 | 67.6% |
| Kapiri | 249 | 64 | 25.7% | 113 | 45.4% | 72 | 28.9% | 185 | 74.3% |
| Mumbwa | 250 | 109 | 43.6% | 76 | 30.4% | 65 | 26.0% | 141 | 56.4% |
| Copperbelt | 500 | 204 | 40.8% | 163 | 32.6% | 133 | 26.6% | 296 | 59.2% |
| Kitwe | 250 | 94 | 37.6% | 80 | 32.0% | 76 | 30.4% | 156 | 62.4% |
| Ndola | 250 | 110 | 44.0% | 83 | 33.2% | 57 | 22.8% | 140 | 56.0% |
| Eastern | 995 | 402 | 40.4% | 372 | 37.4% | 221 | 22.2% | 593 | 59.6% |
| Chipata | 247 | 89 | 36.0% | 100 | 40.5% | 58 | 23.5% | 158 | 64.0% |
| Katete | 250 | 106 | 42.4% | 92 | 36.8% | 52 | 20.8% | 144 | 57.6% |
| Lundazi | 249 | 102 | 41.0% | 93 | 37.3% | 54 | 21.7% | 147 | 59.0% |
| Petauke | 249 | 105 | 42.2% | 87 | 34.9% | 57 | 22.9% | 144 | 57.8% |

| Variable | Total number of House Holds | Little to no hunger | | Moderate hunger | | Severe hunger | | Total HHs with moderate or severe hunger | |
|----------------------|-----------------------------|---------------------|---------|-----------------|---------|---------------|---------|--|---------|
| | | Number | Percent | Number | Percent | Number | Percent | Number | Percent |
| Luapula | 749 | 135 | 18.0% | 224 | 29.9% | 390 | 52.1% | 614 | 82.0% |
| Mansa | 250 | 60 | 24.0% | 74 | 29.6% | 116 | 46.4% | 190 | 76.0% |
| Nchelenge | 249 | 25 | 10.0% | 74 | 29.7% | 150 | 60.2% | 224 | 90.0% |
| Samfya | 250 | 50 | 20.0% | 76 | 30.4% | 124 | 49.6% | 200 | 80.0% |
| Lusaka | 250 | 115 | 46.0% | 63 | 25.2% | 72 | 28.8% | 135 | 54.0% |
| Lusaka | 250 | 115 | 46.0% | 63 | 25.2% | 72 | 28.8% | 135 | 54.0% |
| Muchinga | 750 | 183 | 24.4% | 304 | 40.5% | 263 | 35.1% | 567 | 75.6% |
| Chinsali | 250 | 60 | 24.0% | 96 | 38.4% | 94 | 37.6% | 190 | 76.0% |
| Isoka | 250 | 71 | 28.4% | 101 | 40.4% | 78 | 31.2% | 179 | 71.6% |
| Mpika | 250 | 52 | 20.8% | 107 | 42.8% | 91 | 36.4% | 198 | 79.2% |
| Northern | 999 | 177 | 17.7% | 340 | 34.0% | 482 | 48.2% | 822 | 82.3% |
| Kaputa | 250 | 11 | 4.4% | 44 | 17.6% | 195 | 78.0% | 239 | 95.6% |
| Kasama | 250 | 64 | 25.6% | 98 | 39.2% | 88 | 35.2% | 186 | 74.4% |
| Luwingu | 249 | 37 | 14.9% | 70 | 28.1% | 142 | 57.0% | 212 | 85.1% |
| Mbala | 250 | 65 | 26.0% | 128 | 51.2% | 57 | 22.8% | 185 | 74.0% |
| North-Western | 749 | 135 | 18.0% | 183 | 24.4% | 431 | 57.5% | 614 | 82.0% |
| Mwinilunga | 249 | 28 | 11.2% | 68 | 27.3% | 153 | 61.4% | 221 | 88.8% |
| Solwezi | 250 | 82 | 32.8% | 74 | 29.6% | 94 | 37.6% | 168 | 67.2% |
| Zambezi | 250 | 25 | 10.0% | 41 | 16.4% | 184 | 73.6% | 225 | 90.0% |
| Southern | 497 | 63 | 12.7% | 255 | 51.3% | 179 | 36.0% | 434 | 87.3% |
| Choma | 247 | 40 | 16.2% | 111 | 44.9% | 96 | 38.9% | 207 | 83.8% |
| Monze | 250 | 23 | 9.2% | 144 | 57.6% | 83 | 33.2% | 227 | 90.8% |
| Western | 998 | 96 | 9.6% | 163 | 16.3% | 739 | 74.0% | 902 | 90.4% |
| Kalabo | 249 | 13 | 5.2% | 22 | 8.8% | 214 | 85.9% | 236 | 94.8% |
| Kaoma | 250 | 44 | 17.6% | 68 | 27.2% | 138 | 55.2% | 206 | 82.4% |
| Mongu | 249 | 33 | 13.3% | 57 | 22.9% | 159 | 63.9% | 216 | 86.7% |
| Shangombo | 250 | 6 | 2.4% | 16 | 6.4% | 228 | 91.2% | 244 | 97.6% |

| Variable | Total number of House Holds | Little to no hunger | | Moderate hunger | | Severe hunger | | Total HHs with moderate or severe hunger | |
|------------------------------|-----------------------------|---------------------|--------------|-----------------|--------------|---------------|--------------|--|--------------|
| | | Number | Percent | Number | Percent | Number | Percent | Number | Percent |
| CHILD STUNTING STATUS | | | | | | | | | |
| Normal height | 5,167 | 1,390 | 26.9% | 1,692 | 32.7% | 2,085 | 40.4% | 3,777 | 73.1% |
| Moderately stunted | 1,495 | 273 | 18.3% | 507 | 33.9% | 715 | 47.8% | 1,222 | 81.7% |
| Severely stunted | 739 | 142 | 19.2% | 235 | 31.8% | 362 | 49.0% | 597 | 80.8% |
| Total | 7,401 | 1,805 | 24.4% | 2,434 | 32.9% | 3,162 | 42.7% | 5,596 | 75.6% |

4 Objective 1, IR 1: Increased access to safe, nutritious food

Table 11. Indicator 6 – % of HHs practicing safe food processing/preparation/improved storage practice by demographic characteristics and child stunting status

| Variable | SUBDOMAINS | | | | | | | | | Practicing all three | | |
|-----------------------|------------|-------|---------|-------------|-------|---------|---------|-------|---------|----------------------|-------|---------|
| | Processing | | | Preparation | | | Storage | | | | | |
| | Number | Total | Percent | Number | Total | Percent | Number | Total | Percent | Number | Total | Percent |
| REGION | | | | | | | | | | | | |
| Rural | 150 | 5,113 | 2.9% | 3,396 | 5,113 | 66.4% | 5,087 | 5,106 | 99.6% | 335 | 5,113 | 6.6% |
| Urban | 110 | 2,373 | 4.6% | 1,509 | 2,373 | 63.6% | 2,367 | 2,372 | 99.8% | 223 | 2,373 | 9.4% |
| Total | 260 | 7,486 | 3.5% | 4,905 | 7,486 | 65.5% | 7,454 | 7,478 | 99.7% | 558 | 7,486 | 7.5% |
| HOUSEHOLD SIZE | | | | | | | | | | | | |
| ≤ 5 | 123 | 3,463 | 3.6% | 2,250 | 3,463 | 65.0% | 3,445 | 3,460 | 99.6% | 255 | 3,463 | 7.4% |
| 5-10 | 129 | 3,657 | 3.5% | 2,409 | 3,657 | 65.9% | 3,646 | 3,654 | 99.8% | 278 | 3,657 | 7.6% |
| 10+ | 8 | 366 | 2.2% | 246 | 366 | 67.2% | 363 | 364 | 99.7% | 25 | 366 | 6.8% |
| Total | 260 | 7,486 | 3.5% | 4,905 | 7,486 | 65.5% | 7,454 | 7,478 | 99.7% | 558 | 7,486 | 7.5% |
| GEO-LOCATION | | | | | | | | | | | | |
| National | 260 | 7,486 | 3.5% | 4,905 | 7,486 | 65.5% | 7,454 | 7,478 | 99.7% | 558 | 7,486 | 7.5% |
| Central | 50 | 998 | 5.0% | 643 | 998 | 64.4% | 998 | 998 | 100.0% | 70 | 998 | 7.0% |
| Chibombo | 15 | 249 | 6.0% | 160 | 249 | 64.3% | 249 | 249 | 100.0% | 25 | 249 | 10.0% |
| Kabwe | 28 | 250 | 11.2% | 162 | 250 | 64.8% | 250 | 250 | 100.0% | 20 | 250 | 8.0% |
| Kapiri | 6 | 249 | 2.4% | 166 | 249 | 66.7% | 249 | 249 | 100.0% | 22 | 249 | 8.8% |
| Mumbwa | 1 | 250 | 0.4% | 155 | 250 | 62.0% | 250 | 250 | 100.0% | 3 | 250 | 1.2% |
| Copperbelt | 16 | 500 | 3.2% | 305 | 500 | 61.0% | 500 | 500 | 100.0% | 50 | 500 | 10.0% |
| Kitwe | 8 | 250 | 3.2% | 143 | 250 | 57.2% | 250 | 250 | 100.0% | 19 | 250 | 7.6% |
| Ndola | 8 | 250 | 3.2% | 162 | 250 | 64.8% | 250 | 250 | 100.0% | 31 | 250 | 12.4% |
| Eastern | 14 | 995 | 1.4% | 843 | 995 | 84.7% | 986 | 993 | 99.3% | 77 | 995 | 7.7% |
| Chipata | 5 | 247 | 2.0% | 204 | 247 | 82.6% | 247 | 247 | 100.0% | 29 | 247 | 11.7% |
| Katete | 5 | 250 | 2.0% | 224 | 250 | 89.6% | 248 | 250 | 99.2% | 19 | 250 | 7.6% |
| Lundazi | 3 | 249 | 1.2% | 195 | 249 | 78.3% | 247 | 248 | 99.6% | 13 | 249 | 5.2% |
| Petauke | 1 | 249 | 0.4% | 220 | 249 | 88.4% | 244 | 248 | 98.4% | 16 | 249 | 6.4% |

| Variable | SUBDOMAINS | | | | | | | | | Practicing all three | | |
|----------------------|------------|-------|---------|-------------|-------|---------|---------|-------|---------|----------------------|-------|---------|
| | Processing | | | Preparation | | | Storage | | | | | |
| | Number | Total | Percent | Number | Total | Percent | Number | Total | Percent | Number | Total | Percent |
| Luapula | 5 | 749 | 0.7% | 440 | 749 | 58.7% | 746 | 749 | 99.6% | 56 | 749 | 7.5% |
| Mansa | 2 | 250 | 0.8% | 170 | 250 | 68.0% | 249 | 250 | 99.6% | 20 | 250 | 8.0% |
| Nchelenge | 3 | 249 | 1.2% | 109 | 249 | 43.8% | 247 | 249 | 99.2% | 12 | 249 | 4.8% |
| Samfya | 0 | 250 | 0.0% | 161 | 250 | 64.4% | 250 | 250 | 100.0% | 24 | 250 | 9.6% |
| Lusaka | 1 | 250 | 0.4% | 184 | 250 | 73.6% | 250 | 250 | 100.0% | 8 | 250 | 3.2% |
| Lusaka | 1 | 250 | 0.4% | 184 | 250 | 73.6% | 250 | 250 | 100.0% | 8 | 250 | 3.2% |
| Muchinga | 38 | 750 | 5.1% | 368 | 750 | 49.1% | 749 | 750 | 99.9% | 42 | 750 | 5.6% |
| Chinsali | 12 | 250 | 4.8% | 111 | 250 | 44.4% | 249 | 250 | 99.6% | 13 | 250 | 5.2% |
| Isoka | 12 | 250 | 4.8% | 119 | 250 | 47.6% | 250 | 250 | 100.0% | 21 | 250 | 8.4% |
| Mpika | 14 | 250 | 5.6% | 138 | 250 | 55.2% | 250 | 250 | 100.0% | 8 | 250 | 3.2% |
| Northern | 29 | 1,000 | 2.9% | 522 | 1,000 | 52.2% | 996 | 999 | 99.7% | 54 | 1,000 | 5.4% |
| Kaputa | 4 | 250 | 1.6% | 114 | 250 | 45.6% | 247 | 249 | 99.2% | 3 | 250 | 1.2% |
| Kasama | 2 | 250 | 0.8% | 137 | 250 | 54.8% | 249 | 250 | 99.6% | 14 | 250 | 5.6% |
| Luwingu | 3 | 250 | 1.2% | 167 | 250 | 66.8% | 250 | 250 | 100.0% | 9 | 250 | 3.6% |
| Mbala | 20 | 250 | 8.0% | 104 | 250 | 41.6% | 250 | 250 | 100.0% | 28 | 250 | 11.2% |
| North-Western | 28 | 749 | 3.7% | 422 | 749 | 56.3% | 746 | 749 | 99.6% | 30 | 749 | 4.0% |
| Mwinilunga | 10 | 249 | 4.0% | 139 | 249 | 55.8% | 248 | 249 | 99.6% | 9 | 249 | 3.6% |
| Solwezi | 10 | 250 | 4.0% | 144 | 250 | 57.6% | 250 | 250 | 100.0% | 13 | 250 | 5.2% |
| Zambezi | 8 | 250 | 3.2% | 139 | 250 | 55.6% | 248 | 250 | 99.2% | 8 | 250 | 3.2% |
| Southern | 68 | 497 | 13.7% | 432 | 497 | 86.9% | 495 | 495 | 100.0% | 144 | 497 | 29.0% |
| Choma | 30 | 247 | 12.1% | 207 | 247 | 83.8% | 246 | 246 | 100.0% | 51 | 247 | 20.6% |
| Monze | 38 | 250 | 15.2% | 225 | 250 | 90.0% | 249 | 249 | 100.0% | 93 | 250 | 37.2% |
| Western | 11 | 998 | 1.1.4% | 74 | 998 | 7.6% | 988 | 995 | 99.2% | 0 | 998 | 0.0% |
| Kalabo | 6 | 249 | 2.4% | 19 | 249 | 15.2% | 246 | 248 | 99.3% | 3 | 249 | 1.2% |
| Kaoma | 17 | 250 | 6.8% | 38 | 250 | 2.8% | 249 | 250 | 99.6% | 0 | 250 | 0.0% |
| Mongu | 1 | 249 | 0.4% | 7 | 249 | 4.0% | 248 | 248 | 100.0% | 1 | 249 | 0.4% |
| Shangombo | 3 | 250 | 1.2% | 10 | 250 | 7.6% | 245 | 249 | 98.4% | 0 | 250 | 1.2% |

| Variable | SUBDOMAINS | | | | | | | | | Practicing all three | | |
|------------------------------|------------|-------|---------|-------------|-------|---------|---------|-------|---------|----------------------|-------|---------|
| | Processing | | | Preparation | | | Storage | | | | | |
| | Number | Total | Percent | Number | Total | Percent | Number | Total | Percent | Number | Total | Percent |
| CHILD STUNTING STATUS | | | | | | | | | | | | |
| Normal height | 196 | 5,167 | 3.8% | 3,381 | 5,167 | 65.4% | 5,146 | 5,167 | 99.7% | 409 | 5,167 | 7.9% |
| Moderately stunted | 45 | 1,495 | 3.0% | 975 | 1,495 | 65.2% | 1,488 | 1,494 | 99.6% | 92 | 1,495 | 6.2% |
| Severely stunted | 12 | 740 | 1.6% | 484 | 740 | 65.4% | 736 | 739 | 99.6% | 46 | 740 | 6.2% |
| Total | 253 | 7,402 | 3.4% | 4,840 | 7,402 | 65.4% | 7,370 | 7,394 | 99.7% | 547 | 7,402 | 7.4% |

Table 12. Indicator 7 – % of women of reproductive age who consume targeted nutrient rich value chain commodities by demographic characteristics and child stunting status

| Variable | Women who consume nutrient-rich value commodities | | Total No. women |
|------------------------------|---|---------|-----------------|
| | Number | Percent | |
| REGION | | | |
| Rural | 1,568 | 31.6% | 4,955 |
| Urban | 892 | 40.3% | 2,211 |
| Total | 2,460 | 34.3% | 7,166 |
| HOUSEHOLD SIZE | | | |
| ≤ 5 | 1,146 | 33.9% | 3,376 |
| 5-10 | 1,174 | 34.0% | 3,456 |
| 10+ | 140 | 41.9% | 334 |
| Total | 2,460 | 34.3% | 7,166 |
| GEO-LOCATION | | | |
| National | 2,460 | 34.3% | 7,166 |
| Central | 323 | 34.0% | 950 |
| Chibombo | 72 | 29.3% | 246 |
| Kabwe | 84 | 35.0% | 240 |
| Kapiri | 88 | 37.0% | 238 |
| Mumbwa | 79 | 35.0% | 226 |
| Copperbelt | 183 | 38.4% | 476 |
| Kitwe | 98 | 41.4% | 237 |
| Ndola | 85 | 35.6% | 239 |
| Eastern | 430 | 44.2% | 973 |
| Chipata | 103 | 42.9% | 240 |
| Katete | 105 | 42.9% | 245 |
| Lundazi | 111 | 45.5% | 244 |
| Petauke | 111 | 45.5% | 244 |
| Luapula | 262 | 37.3% | 702 |
| Mansa | 100 | 40.0% | 250 |
| Nchelenge | 98 | 39.4% | 249 |
| Samfya | 78 | 31.2% | 250 |
| Lusaka | 72 | 33.0% | 218 |
| Lusaka | 72 | 33.0% | 218 |
| Muchinga | 290 | 40.2% | 721 |
| Chinsali | 91 | 39.9% | 228 |
| Isoka | 95 | 39.7% | 239 |
| Mpika | 76 | 32.3% | 235 |
| Northern | 394 | 40.5% | 974 |
| Kaputa | 72 | 29.3% | 246 |
| Kasama | 102 | 42.5% | 240 |
| Luwingu | 88 | 36.2% | 243 |
| Mbala | 132 | 53.9% | 245 |
| North-Western | 243 | 34.2% | 710 |
| Mwinilunga | 91 | 37.6% | 242 |
| Solwezi | 102 | 43.6% | 234 |
| Zambezi | 50 | 21.4% | 234 |
| Southern | 172 | 35.8% | 480 |
| Choma | 73 | 30.5% | 239 |
| Monze | 99 | 41.1% | 241 |
| Western | 91 | 9.5% | 962 |
| Kalabo | 14 | 5.7% | 244 |
| Kaoma | 37 | 15.4% | 240 |
| Mongu | 28 | 12.1% | 231 |
| Shangombo | 12 | 4.9% | 247 |
| CHILD STUNTING STATUS | | | |
| Normal height | 1,726 | 34.8% | 4,953 |

| Variable | Women who consume nutrient-rich value commodities | | Total No. women |
|--------------------|---|---------|-----------------|
| | Number | Percent | |
| Moderately stunted | 499 | 34.8% | 1,435 |
| Severely stunted | 202 | 29.1% | 695 |
| Total | 2,427 | 34.3% | 7,083 |

Table 13. Indicator 8 – Women’s Dietary Diversity (MDD-W): No. of food groups consumed by demographic characteristics and child stunting status

| Variable | Total | < 5 Food Groups | | 5+ Food Groups | | Overall Mean No. Food Groups |
|-----------------------|-------|-----------------|---------|----------------|---------|------------------------------|
| | | Number | Percent | Number | Percent | |
| REGION | | | | | | |
| Rural | 4,955 | 2,833 | 55.4% | 2,280 | 44.6% | 4 |
| Urban | 2,211 | 614 | 25.9% | 1,759 | 74.1% | 5 |
| Total | 7,166 | 3,447 | 46.0% | 4,039 | 54.0% | 5 |
| HOUSEHOLD SIZE | | | | | | |
| ≤ 5 | 3,376 | 1,584 | 45.7% | 1,879 | 54.3% | 5 |
| 5-10 | 3,456 | 1,720 | 47.0% | 1,937 | 53.0% | 5 |
| 10+ | 334 | 143 | 39.1% | 223 | 60.9% | 5 |
| Total | 7,166 | 3,447 | 46.0% | 4,039 | 54.0% | 5 |
| GEO-LOCATION | | | | | | |
| National | 7,166 | 3,447 | 46.0% | 4,039 | 54.0% | 5 |
| Central | 950 | 352 | 35.3% | 646 | 64.7% | 5 |
| Chibombo | 246 | 114 | 45.8% | 135 | 54.2% | 5 |
| Kabwe | 240 | 58 | 23.2% | 192 | 76.8% | 5 |
| Kapiri | 238 | 91 | 36.5% | 158 | 63.5% | 5 |
| Mumbwa | 226 | 89 | 35.6% | 161 | 64.4% | 5 |
| Copperbelt | 476 | 96 | 19.2% | 404 | 80.8% | 6 |
| Kitwe | 237 | 46 | 18.4% | 204 | 81.6% | 6 |
| Ndola | 239 | 50 | 20.0% | 200 | 80.0% | 6 |
| Eastern | 973 | 280 | 28.1% | 715 | 71.9% | 5 |
| Chipata | 240 | 71 | 28.7% | 176 | 71.3% | 5 |
| Katete | 245 | 66 | 26.4% | 184 | 73.6% | 5 |
| Lundazi | 244 | 55 | 22.1% | 194 | 77.9% | 5 |
| Petauke | 244 | 88 | 35.3% | 161 | 64.7% | 5 |
| Luapula | 702 | 343 | 45.8% | 406 | 54.2% | 5 |
| Mansa | 228 | 94 | 37.6% | 156 | 62.4% | 5 |
| Nchelenge | 239 | 111 | 44.6% | 138 | 55.4% | 5 |
| Samfya | 235 | 138 | 55.2% | 112 | 44.8% | 4 |
| Lusaka | 218 | 46 | 18.4% | 204 | 81.6% | 6 |
| Lusaka | 218 | 46 | 18.4% | 204 | 81.6% | 6 |
| Muchinga | 721 | 351 | 46.8% | 399 | 53.2% | 5 |
| Chinsali | 245 | 127 | 50.8% | 123 | 49.2% | 5 |
| Isoka | 235 | 97 | 38.8% | 153 | 61.2% | 5 |
| Mpika | 241 | 127 | 50.8% | 123 | 49.2% | 5 |
| Northern | 974 | 492 | 49.2% | 508 | 50.8% | 5 |
| Kaputa | 246 | 185 | 74.0% | 65 | 26.0% | 4 |
| Kasama | 240 | 96 | 38.4% | 154 | 61.6% | 5 |
| Luwingu | 243 | 143 | 57.2% | 107 | 42.8% | 4 |
| Mbala | 245 | 68 | 27.2% | 182 | 72.8% | 5 |
| North-Western | 710 | 386 | 51.5% | 363 | 48.5% | 5 |
| Mwinilunga | 242 | 131 | 52.6% | 118 | 47.4% | 5 |
| Solwezi | 234 | 79 | 31.6% | 171 | 68.4% | 5 |
| Zambezi | 234 | 176 | 70.4% | 74 | 29.6% | 4 |

| Variable | Total | < 5 Food Groups | | 5+ Food Groups | | Overall Mean No. Food Groups |
|------------------------------|-------|-----------------|---------|----------------|---------|------------------------------|
| | | Number | Percent | Number | Percent | |
| Southern | 480 | 251 | 50.5% | 246 | 49.5% | 5 |
| Choma | 239 | 119 | 48.2% | 128 | 51.8% | 5 |
| Monze | 241 | 132 | 52.8% | 118 | 47.2% | 5 |
| Western | 962 | 850 | 85.2% | 148 | 14.8% | 3 |
| Kalabo | 244 | 226 | 90.8% | 23 | 9.2% | 3 |
| Kaoma | 240 | 201 | 80.4% | 49 | 19.6% | 3 |
| Mongu | 231 | 186 | 74.7% | 63 | 25.3% | 4 |
| Shangombo | 247 | 237 | 94.8% | 13 | 5.2% | 2 |
| CHILD STUNTING STATUS | | | | | | |
| Normal height | 4,953 | 2,224 | 44.5% | 2,729 | 55.5% | 5 |
| Moderately stunted | 1,435 | 692 | 48.2% | 743 | 51.8% | 5 |
| Severely stunted | 695 | 363 | 52.0% | 332 | 48.0% | 4 |
| Total | 7,083 | 3,279 | 46.3% | 3,804 | 53.7% | 5 |

Table 14. Indicator 9 – % of HHs that sold or bartered nutritious crops (and/or livestock) that they grew by demographic characteristics and child stunting status

| Variable | Crops | | | Livestock | | | Total At least 1 | | |
|-----------------------|--------|-------|---------|-----------|-------|---------|------------------|-------|---------|
| | Number | Total | Percent | Number | Total | Percent | Number | Total | Percent |
| REGION | | | | | | | | | |
| Rural | 2,139 | 4,128 | 51.8% | 2,156 | 3,721 | 57.9% | 3,136 | 4,623 | 67.8% |
| Urban | 389 | 1,036 | 37.5% | 285 | 673 | 42.3% | 561 | 1,251 | 44.8% |
| Total | 2,528 | 5,164 | 49.0% | 2,441 | 4,394 | 55.6% | 3,697 | 5,874 | 62.9% |
| HOUSEHOLD SIZE | | | | | | | | | |
| ≤ 5 | 1,018 | 2,131 | 47.8% | 866 | 1,690 | 51.2% | 1,448 | 2,455 | 59.0% |
| 5-10 | 1,349 | 2,725 | 49.5% | 1,385 | 2,417 | 57.3% | 2,005 | 3,083 | 65.0% |
| 10+ | 161 | 308 | 52.3% | 190 | 287 | 66.2% | 244 | 366 | 72.6% |
| Total | 2,528 | 5,164 | 49.0% | 2,441 | 4,394 | 55.6% | 3,697 | 5,874 | 62.9% |
| GEO-LOCATION | | | | | | | | | |
| National | 2,528 | 5,164 | 49.0% | 2,441 | 4,394 | 55.6% | 3,697 | 5,874 | 62.9% |
| Central | 269 | 592 | 45.4% | 376 | 587 | 64.1% | 474 | 725 | 65.4% |
| Chibombo | 62 | 144 | 43.1% | 105 | 170 | 61.8% | 125 | 194 | 64.4% |
| Kabwe | 20 | 101 | 19.8% | 26 | 56 | 46.4% | 40 | 121 | 33.1% |
| Kapiri | 95 | 155 | 61.3% | 96 | 154 | 62.3% | 136 | 187 | 72.7% |
| Mumbwa | 92 | 192 | 47.9% | 149 | 207 | 72.0% | 173 | 223 | 77.6% |
| Copperbelt | 80 | 220 | 36.4% | 55 | 126 | 43.7% | 110 | 253 | 43.5% |
| Kitwe | 39 | 99 | 39.4% | 25 | 59 | 42.4% | 54 | 116 | 46.6% |
| Ndola | 41 | 121 | 33.9% | 30 | 67 | 44.8% | 56 | 137 | 40.9% |
| Eastern | 467 | 878 | 53.2% | 469 | 785 | 59.7% | 660 | 921 | 71.7% |
| Chipata | 105 | 204 | 51.5% | 112 | 170 | 65.9% | 149 | 215 | 69.3% |
| Katete | 88 | 221 | 39.8% | 114 | 205 | 55.6% | 154 | 237 | 65.0% |
| Lundazi | 149 | 228 | 65.4% | 133 | 205 | 64.9% | 190 | 234 | 81.2% |
| Petauke | 125 | 225 | 55.6% | 110 | 205 | 53.7% | 167 | 235 | 71.1% |
| Luapula | 274 | 599 | 45.7% | 183 | 428 | 42.8% | 357 | 648 | 55.1% |
| Mansa | 102 | 190 | 53.7% | 52 | 118 | 44.1% | 124 | 205 | 60.5% |
| Nchelenge | 85 | 215 | 39.5% | 73 | 166 | 44.0% | 123 | 227 | 54.2% |
| Samfya | 87 | 194 | 44.8% | 58 | 144 | 40.3% | 110 | 216 | 50.9% |
| Lusaka | 8 | 22 | 36.4% | 3 | 11 | 27.3% | 10 | 31 | 32.3% |
| Lusaka | 8 | 22 | 36.4% | 3 | 11 | 27.3% | 10 | 31 | 32.3% |
| Muchinga | 267 | 524 | 51.0% | 273 | 493 | 55.4% | 403 | 620 | 65.0% |
| Chinsali | 93 | 177 | 52.5% | 90 | 185 | 48.6% | 134 | 213 | 62.9% |

| Variable | Crops | | | Livestock | | | Total At least 1 | | |
|------------------------------|--------|-------|---------|-----------|-------|---------|------------------|-------|---------|
| | Number | Total | Percent | Number | Total | Percent | Number | Total | Percent |
| Isoka | 60 | 158 | 38.0% | 87 | 156 | 55.8% | 117 | 198 | 59.1% |
| Mpika | 114 | 189 | 60.3% | 96 | 152 | 63.2% | 152 | 209 | 72.7% |
| Northern | 437 | 801 | 54.6% | 289 | 646 | 44.7% | 556 | 885 | 62.8% |
| Kaputa | 102 | 217 | 47.0% | 64 | 169 | 37.9% | 127 | 228 | 55.7% |
| Kasama | 123 | 197 | 62.4% | 72 | 146 | 49.3% | 145 | 217 | 66.8% |
| Luwingu | 137 | 223 | 61.4% | 60 | 159 | 37.7% | 153 | 232 | 65.9% |
| Mbala | 75 | 164 | 45.7% | 93 | 172 | 54.1% | 131 | 208 | 63.0% |
| North-Western | 276 | 585 | 47.2% | 207 | 392 | 52.8% | 367 | 617 | 59.5% |
| Mwinilunga | 124 | 222 | 55.9% | 83 | 164 | 50.6% | 154 | 231 | 66.7% |
| Solwezi | 73 | 148 | 49.3% | 43 | 80 | 53.8% | 88 | 156 | 56.4% |
| Zambezi | 79 | 215 | 36.7% | 81 | 148 | 54.7% | 125 | 230 | 54.3% |
| Southern | 238 | 369 | 64.5% | 268 | 339 | 79.1% | 345 | 416 | 82.9% |
| Choma | 118 | 172 | 68.6% | 105 | 136 | 77.2% | 152 | 187 | 81.3% |
| Monze | 120 | 197 | 60.9% | 163 | 203 | 80.3% | 193 | 229 | 84.3% |
| Western | 212 | 574 | 36.9% | 318 | 587 | 54.2% | 415 | 758 | 54.7% |
| Kalabo | 27 | 148 | 18.2% | 64 | 133 | 48.1% | 75 | 189 | 39.7% |
| Kaoma | 96 | 182 | 52.7% | 106 | 178 | 59.6% | 151 | 217 | 69.6% |
| Mongu | 36 | 114 | 31.6% | 75 | 134 | 56.0% | 91 | 171 | 53.2% |
| Shangombo | 53 | 130 | 40.8% | 73 | 142 | 51.4% | 98 | 181 | 54.1% |
| CHILD STUNTING STATUS | | | | | | | | | |
| Normal height | 1,700 | 3,505 | 48.5% | 1,662 | 3,016 | 55.1% | 2,480 | 3,991 | 62.1% |
| Moderately stunted | 544 | 1,071 | 50.8% | 505 | 900 | 56.1% | 793 | 1,218 | 65.1% |
| Severely stunted | 253 | 530 | 47.7% | 243 | 431 | 56.4% | 378 | 596 | 63.4% |
| Total | 2,497 | 5,106 | 48.9% | 2,410 | 4,347 | 55.4% | 3,651 | 5,805 | 62.9% |

Table 15. Indicator 10 – % of HHs producing safe and nutritious crops and livestock for consumption by demographic characteristics and child stunting status

| Variable | Micronutrients | | | Protein | | | HHs that produced and consumed Both Micronutrients and Protein | | |
|-----------------------|----------------|------------------|---------|---------|------------------|---------|---|------------------|---------|
| | Number | Total households | Percent | Number | Total households | Percent | Number | Total households | Percent |
| REGION | | | | | | | | | |
| Rural | 3,757 | 3,884 | 96.7% | 3,577 | 4,190 | 85.4% | 2,947 | 4,664 | 63.2% |
| Urban | 949 | 969 | 97.9% | 732 | 861 | 85.0% | 503 | 1,262 | 39.9% |
| Total | 4,706 | 4,853 | 97.0% | 4,309 | 5,051 | 85.3% | 3,450 | 5,926 | 58.2% |
| HOUSEHOLD SIZE | | | | | | | | | |
| ≤ 5 | 1,935 | 2,007 | 96.4% | 1,677 | 2,021 | 83.0% | 1,310 | 2,488 | 52.7% |
| 5-10 | 2,488 | 2,558 | 97.3% | 2,345 | 2,727 | 86.0% | 1,900 | 3,101 | 61.3% |
| 10+ | 283 | 288 | 98.3% | 287 | 303 | 94.7% | 240 | 337 | 71.2% |
| Total | 4,706 | 4,853 | 97.0% | 4,309 | 5,051 | 85.3% | 3,450 | 5,926 | 58.2% |
| GEO-LOCATION | | | | | | | | | |
| National | 4,706 | 4,853 | 97.0% | 4,309 | 5,051 | 85.3% | 3,450 | 5,926 | 58.2% |
| Central | 501 | 519 | 96.5% | 554 | 635 | 87.2% | 380 | 726 | 52.3% |
| Chibombo | 115 | 116 | 99.1% | 150 | 180 | 83.3% | 89 | 194 | 45.9% |
| Kabwe | 90 | 90 | 100.0% | 55 | 68 | 80.9% | 31 | 121 | 25.6% |
| Kapiri | 126 | 126 | 100.0% | 145 | 169 | 85.8% | 100 | 187 | 53.5% |
| Mumbwa | 170 | 187 | 90.9% | 204 | 218 | 93.6% | 160 | 224 | 71.4% |
| Copperbelt | 202 | 206 | 98.1% | 149 | 171 | 87.1% | 109 | 256 | 42.6% |
| Kitwe | 96 | 97 | 99.0% | 68 | 79 | 86.1% | 54 | 116 | 46.6% |
| Ndola | 106 | 109 | 97.2% | 81 | 92 | 88.0% | 55 | 140 | 39.3% |
| Eastern | 852 | 857 | 99.4% | 812 | 867 | 93.7% | 762 | 995 | 76.6% |
| Chipata | 202 | 203 | 99.5% | 181 | 193 | 93.8% | 174 | 215 | 80.9% |
| Katete | 214 | 214 | 100.0% | 205 | 222 | 92.3% | 187 | 237 | 78.9% |
| Lundazi | 224 | 225 | 99.6% | 218 | 227 | 96.0% | 210 | 235 | 89.4% |
| Petauke | 212 | 215 | 98.6% | 208 | 225 | 92.4% | 191 | 235 | 81.3% |
| Luapula | 571 | 574 | 99.5% | 438 | 524 | 83.6% | 384 | 651 | 59.0% |
| Mansa | 175 | 177 | 98.9% | 146 | 163 | 89.6% | 121 | 206 | 58.7% |
| Nchelenge | 210 | 210 | 100.0% | 156 | 186 | 83.9% | 144 | 227 | 63.4% |
| Samfya | 186 | 187 | 99.5% | 136 | 175 | 77.7% | 119 | 218 | 54.6% |
| Lusaka | 21 | 21 | 100.0% | 11 | 13 | 84.6% | 3 | 31 | 9.7% |
| Lusaka | 21 | 21 | 100.0% | 11 | 13 | 84.6% | 3 | 31 | 9.7% |

| Variable | Micronutrients | | | Protein | | | HHs that produced and consumed Both Micronutrients and Protein | | |
|------------------------------|----------------|------------------|---------|---------|------------------|---------|--|------------------|---------|
| | Number | Total households | Percent | Number | Total households | Percent | Number | Total households | Percent |
| Muchinga | 465 | 470 | 98.9% | 492 | 551 | 89.3% | 364 | 620 | 58.7% |
| Chinsali | 153 | 154 | 99.4% | 181 | 200 | 90.5% | 130 | 213 | 61.0% |
| Isoka | 133 | 135 | 98.5% | 152 | 178 | 85.4% | 100 | 198 | 50.5% |
| Mpika | 179 | 181 | 98.9% | 159 | 173 | 91.9% | 134 | 209 | 64.1% |
| Northern | 713 | 721 | 98.9% | 665 | 766 | 86.8% | 528 | 888 | 59.5% |
| Kaputa | 213 | 216 | 98.6% | 151 | 185 | 81.6% | 139 | 229 | 60.7% |
| Kasama | 171 | 175 | 97.7% | 172 | 186 | 92.5% | 132 | 217 | 60.8% |
| Luwingu | 193 | 193 | 100.0% | 187 | 207 | 90.3% | 157 | 234 | 67.1% |
| Mbala | 136 | 137 | 99.3% | 155 | 188 | 82.4% | 100 | 208 | 48.1% |
| North-Western | 551 | 560 | 98.4% | 414 | 485 | 85.4% | 365 | 619 | 59.0% |
| Mwinilunga | 211 | 211 | 100.0% | 175 | 200 | 87.5% | 160 | 231 | 69.3% |
| Solwezi | 135 | 137 | 98.5% | 94 | 104 | 90.4% | 77 | 157 | 49.0% |
| Zambezi | 205 | 212 | 96.7% | 145 | 181 | 80.1% | 128 | 231 | 55.4% |
| Southern | 301 | 307 | 98.0% | 313 | 383 | 81.7% | 226 | 417 | 54.2% |
| Choma | 150 | 155 | 96.8% | 117 | 161 | 72.7% | 92 | 188 | 48.9% |
| Monze | 151 | 152 | 99.3% | 196 | 222 | 88.3% | 134 | 229 | 58.5% |
| Western | 529 | 618 | 85.6% | 461 | 656 | 70.3% | 329 | 796 | 41.3% |
| Kalabo | 144 | 162 | 88.9% | 87 | 142 | 61.3% | 65 | 198 | 32.8% |
| Kaoma | 157 | 167 | 94.0% | 180 | 209 | 86.1% | 132 | 219 | 60.3% |
| Mongu | 108 | 151 | 71.5% | 94 | 146 | 64.4% | 60 | 187 | 32.1% |
| Shangombo | 120 | 138 | 87.0% | 100 | 159 | 62.9% | 72 | 192 | 37.5% |
| CHILD STUNTING STATUS | | | | | | | | | |
| Normal height | 3,193 | 3,291 | 97.0% | 2,939 | 3,438 | 85.5% | 2,336 | 4,027 | 58.0% |
| Moderately stunted | 976 | 1,009 | 96.7% | 894 | 1,047 | 85.4% | 730 | 1,225 | 59.6% |
| Severely stunted | 490 | 504 | 97.2% | 426 | 507 | 84.0% | 350 | 605 | 57.9% |
| Total | 4,659 | 4,804 | 97.0% | 4,259 | 4,992 | 85.3% | 3,416 | 5,857 | 58.3% |

Table 16. Indicator 11 – % of HHs with minimum dietary diversity (proxy indicator per definitions)

| Variable | Number | Percent | Total No. of HHs |
|-----------------------|--------|---------|------------------|
| REGION | | | |
| Rural | 805 | 15.8% | 5,106 |
| Urban | 646 | 27.2% | 2,372 |
| Total | 1,451 | 19.4% | 7,478 |
| HOUSEHOLD SIZE | | | |
| ≤ 5 | 652 | 18.8% | 3,459 |
| 5-10 | 712 | 19.5% | 3,654 |
| 10+ | 87 | 23.8% | 365 |
| Total | 1,451 | 19.4% | 7,478 |
| GEO-LOCATION | | | |
| National | 1,451 | 19.4% | 7,478 |
| Central | 278 | 27.9% | 998 |
| Chibombo | 47 | 18.9% | 249 |
| Kabwe | 92 | 36.8% | 250 |
| Kapiri | 60 | 24.1% | 249 |
| Mumbwa | 79 | 31.6% | 250 |
| Copperbelt | 157 | 31.4% | 500 |
| Kitwe | 73 | 29.2% | 250 |
| Ndola | 84 | 33.6% | 250 |
| Eastern | 256 | 25.7% | 995 |
| Chipata | 73 | 29.6% | 247 |
| Katete | 68 | 27.2% | 250 |
| Lundazi | 72 | 28.9% | 249 |
| Petauke | 43 | 17.3% | 249 |
| Luapula | 135 | 18.1% | 747 |
| Mansa | 62 | 24.8% | 250 |
| Nchelenge | 34 | 13.7% | 248 |
| Samfya | 39 | 15.7% | 249 |
| Lusaka | 64 | 25.6% | 250 |
| Lusaka | 64 | 25.6% | 250 |
| Muchinga | 108 | 14.5% | 747 |
| Chinsali | 28 | 11.2% | 249 |
| Isoka | 53 | 21.2% | 250 |
| Mpika | 27 | 10.9% | 248 |
| Northern | 159 | 15.9% | 999 |
| Kaputa | 16 | 6.4% | 249 |
| Kasama | 42 | 16.8% | 250 |
| Luwingu | 40 | 16.0% | 250 |
| Mbala | 61 | 24.4% | 250 |
| North-Western | 128 | 17.1% | 747 |
| Mwinilunga | 44 | 17.7% | 249 |
| Solwezi | 55 | 22.1% | 249 |
| Zambezi | 29 | 11.6% | 249 |
| Southern | 108 | 21.7% | 497 |
| Choma | 57 | 23.1% | 247 |
| Monze | 51 | 20.4% | 250 |

| Variable | Number | Percent | Total No. of HHs |
|------------------------------|--------|---------|------------------|
| Western | 58 | 5.8% | 998 |
| Kalabo | 15 | 6.0% | 249 |
| Kaoma | 19 | 7.6% | 250 |
| Mongu | 20 | 8.0% | 249 |
| Shangombo | 4 | 1.6% | 250 |
| CHILD STUNTING STATUS | | | |
| Normal height | 1,056 | 20.4% | 5,164 |
| Moderately stunted | 259 | 17.4% | 1,492 |
| Severely stunted | 114 | 15.4% | 739 |
| Total | 1,429 | 19.3% | 7,395 |

Table 17. Indicator 14 – % of HHs reporting stronger resilience to lean season and environmental shocks

| Variable | Number | Percent | Total No. of HHs with limited access to food in the past 12 months |
|-----------------------|--------|---------|--|
| REGION | | | |
| Rural | 1,438 | 32.1% | 4,486 |
| Urban | 973 | 58.9% | 1,652 |
| Total | 2,411 | 39.3% | 6,138 |
| HOUSEHOLD SIZE | | | |
| ≤ 5 | 1,189 | 42.7% | 2,783 |
| 5-10 | 1,101 | 36.2% | 3,044 |
| 10+ | 121 | 38.9% | 311 |
| Total | 2,411 | 39.3% | 6,138 |
| GEO-LOCATION | | | |
| National | 2,411 | 39.3% | 6,138 |
| Central | 467 | 56.7% | 823 |
| Chibombo | 123 | 55.4% | 222 |
| Kabwe | 150 | 69.4% | 216 |
| Kapiri | 109 | 54.8% | 199 |
| Mumbwa | 85 | 45.7% | 186 |
| Copperbelt | 185 | 64.0% | 289 |
| Kitwe | 77 | 56.2% | 137 |
| Ndola | 108 | 71.1% | 152 |
| Eastern | 329 | 40.3% | 817 |
| Chipata | 78 | 39.0% | 200 |
| Katete | 97 | 44.1% | 220 |
| Lundazi | 89 | 40.6% | 219 |
| Petauke | 65 | 36.5% | 178 |
| Luapula | 198 | 31.2% | 635 |
| Mansa | 74 | 38.3% | 193 |
| Nchelenge | 47 | 21.2% | 222 |
| Samfya | 77 | 35.0% | 220 |
| Lusaka | 109 | 66.1% | 165 |
| Lusaka | 109 | 66.1% | 165 |
| Muchinga | 221 | 35.4% | 625 |
| Chinsali | 50 | 23.8% | 210 |

| Variable | Number | Percent | Total No. of HHs with limited access to food in the past 12 months |
|------------------------------|--------|---------|--|
| Isoka | 103 | 47.5% | 217 |
| Mpika | 68 | 34.3% | 198 |
| Northern | 297 | 34.5% | 860 |
| Kaputa | 43 | 18.7% | 230 |
| Kasama | 100 | 52.6% | 190 |
| Luwingu | 55 | 25.1% | 219 |
| Mbala | 99 | 44.8% | 221 |
| North-Western | 193 | 32.7% | 590 |
| Mwinilunga | 57 | 27.5% | 207 |
| Solwezi | 99 | 58.2% | 170 |
| Zambezi | 37 | 17.4% | 213 |
| Southern | 232 | 52.0% | 446 |
| Choma | 121 | 55.3% | 219 |
| Monze | 111 | 48.9% | 227 |
| Western | 180 | 20.3% | 888 |
| Kalabo | 25 | 10.6% | 235 |
| Kaoma | 71 | 34.3% | 207 |
| Mongu | 61 | 29.5% | 207 |
| Shangombo | 23 | 9.6% | 239 |
| CHILD STUNTING STATUS | | | |
| Normal height | 1,690 | 41.0% | 4,122 |
| Moderately stunted | 468 | 35.9% | 1,305 |
| Severely stunted | 214 | 33.4% | 640 |
| Total | 2,372 | 39.1% | 6,067 |

Table 18. Indicator 14 – Reported HH coping strategies

| Variable | Number of HHs | Total No. HHs | Percent of HHs |
|---|---------------|---------------|----------------|
| Rely on less preferred and less expensive foods | 5,717 | 7,486 | 76.4% |
| Borrow food from a friend or relative | 4,136 | 7,486 | 55.2% |
| Purchase food on credit | 3,587 | 7,486 | 47.9% |
| Gather wild food, hunt, or harvest immature crops | 2,901 | 7,486 | 38.8% |
| Consume seed stock held for next season | 2,682 | 7,486 | 35.8% |
| Send children to eat with neighbours | 1,892 | 7,486 | 25.3% |
| Send household members to beg | 1,573 | 7,486 | 21.0% |
| Limit portion size at mealtimes | 4,576 | 7,486 | 61.1% |
| Restrict consumption by adults in order for small children to eat | 3,066 | 7,486 | 41.0% |
| Feed working members of HH at the expense of non-working members | 633 | 7,486 | 8.5% |
| Reduce number of meals eaten in a day | 4,674 | 7,486 | 62.4% |
| Skip entire days without eating | 2,206 | 7,486 | 29.5% |

5 Objective 1, IR 2: Adoption of better feeding and HH Hygiene practices

Table 19. Indicator 15 – % of HH practicing essential hygiene actions by demographic characteristics and child stunting status

| Variable | Number | Percent | Total No. |
|-----------------------|--------|---------|-----------|
| REGION | | | |
| Rural | 45 | 0.9% | 5,113 |
| Urban | 376 | 15.8% | 2,373 |
| Total | 421 | 5.6% | 7,486 |
| HOUSEHOLD SIZE | | | |
| ≤ 5 | 203 | 5.9% | 3,463 |
| 5-10 | 198 | 5.4% | 3,657 |
| 10+ | 20 | 5.5% | 366 |
| Total | 421 | 5.6% | 7,486 |
| GEO-LOCATION | | | |
| National | 421 | 5.6% | 7,486 |
| Central | 82 | 8.2% | 998 |
| Chibombo | 13 | 5.2% | 249 |
| Kabwe | 49 | 19.6% | 250 |
| Kapiri | 16 | 6.4% | 249 |
| Mumbwa | 4 | 1.6% | 250 |
| Copperbelt | 137 | 27.4% | 500 |
| Kitwe | 47 | 18.8% | 250 |
| Ndola | 90 | 36.0% | 250 |
| Eastern | 22 | 2.2% | 995 |
| Chipata | 8 | 3.2% | 247 |
| Katete | 8 | 3.2% | 250 |
| Lundazi | 4 | 1.6% | 249 |
| Petauke | 2 | 0.8% | 249 |
| Luapula | 14 | 1.9% | 749 |
| Mansa | 9 | 3.6% | 250 |
| Nchelenge | 4 | 1.6% | 249 |
| Samfya | 1 | 0.4% | 250 |
| Lusaka | 49 | 19.6% | 250 |
| Lusaka | 49 | 19.6% | 250 |
| Muchinga | 22 | 2.9% | 750 |
| Chinsali | 8 | 3.2% | 250 |
| Isoka | 12 | 4.8% | 250 |
| Mpika | 2 | 0.8% | 250 |
| Northern | 15 | 1.5% | 1,000 |
| Kaputa | 5 | 2.0% | 250 |
| Kasama | 1 | 0.4% | 250 |
| Luwingu | 1 | 0.4% | 250 |
| Mbala | 8 | 3.2% | 250 |
| North-Western | 36 | 4.8% | 749 |
| Mwinilunga | 3 | 1.2% | 249 |
| Solwezi | 28 | 11.2% | 250 |

| Variable | Number | Percent | Total No. |
|------------------------------|--------|---------|-----------|
| Zambezi | 5 | 2.0% | 250 |
| Southern | 32 | 6.4% | 497 |
| Choma | 19 | 7.7% | 247 |
| Monze | 13 | 5.2% | 250 |
| Western | 12 | 1.2% | 998 |
| Kalabo | 3 | 1.2% | 249 |
| Kaoma | 2 | 0.8% | 250 |
| Mongu | 7 | 2.8% | 249 |
| Shangombo | 0 | 0.0% | 250 |
| CHILD STUNTING STATUS | | | |
| Normal height | 352 | 6.8% | 5,167 |
| Moderately stunted | 47 | 3.1% | 1,495 |
| Severely stunted | 20 | 2.7% | 740 |
| Total | 419 | 5.7% | 7,402 |

Table 20. Indicator 16 – % of HHs practicing essential nutrition actions by demographic characteristics and child stunting status

| Variable | SUB-DOMAINS | | | | | | | | | | | | | | | Total No. of HHs (Received all actions based on age group) | | |
|-----------------------|--------------------------------|-------|---------|----------------------------------|-------|---------|--------------------------------|-------|---------|-------------------------------------|-------|---------|-----------------------|-------|---------|---|-------|---------|
| | Adequate diet during pregnancy | | | Adequate diet when breastfeeding | | | Early Breastfeeding initiation | | | Exclusive breastfeeding to 6 months | | | Complementary feeding | | | Number | Total | Percent |
| | Number | Total | Percent | Number | Total | Percent | Number | Total | Percent | Number | Total | Percent | Number | Total | Percent | | | |
| REGION | | | | | | | | | | | | | | | | | | |
| Rural | 1,888 | 5,044 | 37.4% | 3,796 | 5,036 | 75.4% | 3,831 | 5,088 | 75.3% | 922 | 1,329 | 69.4% | 637 | 724 | 88.0% | 926 | 5,113 | 18.1% |
| Urban | 1,003 | 2,309 | 43.4% | 1,620 | 2,302 | 70.4% | 1,638 | 2,345 | 69.9% | 400 | 610 | 65.6% | 300 | 315 | 95.2% | 451 | 2,373 | 19.0% |
| Total | 2,891 | 7,353 | 39.3% | 5,416 | 7,338 | 73.8% | 5,469 | 7,433 | 73.6% | 1,322 | 1,939 | 68.2% | 937 | 1,039 | 90.2% | 1,377 | 7,486 | 18.4% |
| HOUSEHOLD SIZE | | | | | | | | | | | | | | | | | | |
| ≤ 5 | 1,385 | 3,410 | 40.6% | 2,501 | 3,403 | 73.5% | 2,505 | 3,437 | 72.9% | 544 | 820 | 66.3% | 417 | 461 | 90.5% | 680 | 3,463 | 19.6% |
| 5-10 | 1,359 | 3,590 | 37.9% | 2,663 | 3,583 | 74.3% | 2,684 | 3,633 | 73.9% | 702 | 1,003 | 70.0% | 476 | 528 | 90.2% | 634 | 3,657 | 17.3% |
| 10+ | 147 | 353 | 41.6% | 252 | 352 | 71.6% | 280 | 363 | 77.1% | 76 | 116 | 65.5% | 44 | 50 | 88.0% | 63 | 366 | 17.2% |
| Total | 2,891 | 7,353 | 39.3% | 5,416 | 7,338 | 73.8% | 5,469 | 7,433 | 73.6% | 1,322 | 1,939 | 68.2% | 937 | 1,039 | 90.2% | 1,377 | 7,486 | 18.4% |
| GEO-LOCATION | | | | | | | | | | | | | | | | | | |
| National | 2,891 | 7,353 | 39.3% | 5,416 | 7,338 | 73.8% | 5,469 | 7,433 | 73.6% | 1,322 | 1,939 | 68.2% | 937 | 1,039 | 90.2% | 1,377 | 7,486 | 18.4% |
| Central | 427 | 973 | 43.9% | 696 | 972 | 71.6% | 700 | 996 | 70.3% | 207 | 279 | 74.2% | 98 | 104 | 94.2% | 172 | 998 | 17.2% |
| Chibombo | 125 | 248 | 50.4% | 168 | 248 | 67.7% | 189 | 248 | 76.2% | 40 | 64 | 62.5% | 23 | 24 | 95.8% | 45 | 249 | 18.1% |
| Kabwe | 112 | 236 | 47.5% | 174 | 236 | 73.7% | 191 | 250 | 76.4% | 55 | 71 | 77.5% | 22 | 22 | 100.0% | 49 | 250 | 19.6% |
| Kapiri mposhi | 113 | 244 | 46.3% | 171 | 244 | 70.1% | 185 | 248 | 74.6% | 56 | 77 | 72.7% | 27 | 29 | 93.1% | 53 | 249 | 21.3% |
| Mumbwa | 77 | 245 | 31.4% | 183 | 244 | 75.0% | 135 | 250 | 54.0% | 56 | 67 | 83.6% | 26 | 29 | 89.7% | 25 | 250 | 10.0% |
| Copperbelt | 236 | 489 | 48.3% | 321 | 484 | 66.3% | 326 | 492 | 66.3% | 78 | 109 | 71.6% | 69 | 72 | 95.8% | 86 | 500 | 17.2% |
| Kitwe | 119 | 246 | 48.4% | 168 | 245 | 68.6% | 171 | 248 | 69.0% | 42 | 57 | 73.7% | 37 | 38 | 97.4% | 43 | 250 | 17.2% |
| Ndola | 117 | 243 | 48.1% | 153 | 239 | 64.0% | 155 | 244 | 63.5% | 36 | 52 | 69.2% | 32 | 34 | 94.1% | 43 | 250 | 17.2% |
| Eastern | 482 | 989 | 48.7% | 773 | 986 | 78.4% | 692 | 994 | 69.6% | 182 | 259 | 70.3% | 154 | 161 | 95.7% | 221 | 995 | 22.2% |
| Chipata | 133 | 247 | 53.8% | 200 | 246 | 81.3% | 176 | 247 | 71.3% | 57 | 74 | 77.0% | 35 | 35 | 100.0% | 73 | 247 | 29.6% |
| Katete | 115 | 249 | 46.2% | 189 | 249 | 75.9% | 154 | 250 | 61.6% | 46 | 60 | 76.7% | 46 | 48 | 95.8% | 40 | 250 | 16.0% |
| Lundazi | 122 | 248 | 49.2% | 198 | 248 | 79.8% | 189 | 249 | 75.9% | 42 | 65 | 64.6% | 34 | 35 | 97.1% | 60 | 249 | 24.1% |
| Petauke | 112 | 245 | 45.7% | 186 | 243 | 76.5% | 173 | 248 | 69.8% | 37 | 60 | 61.7% | 39 | 43 | 90.7% | 48 | 249 | 19.3% |
| Luapula | 288 | 738 | 39.0% | 567 | 736 | 77.0% | 515 | 745 | 69.1% | 105 | 195 | 53.8% | 98 | 109 | 89.9% | 163 | 749 | 21.8% |
| Mansa | 89 | 245 | 36.3% | 178 | 245 | 72.7% | 186 | 250 | 74.4% | 36 | 62 | 58.1% | 29 | 31 | 93.5% | 50 | 250 | 20.0% |
| Nchelenge | 101 | 248 | 40.7% | 210 | 248 | 84.7% | 158 | 248 | 63.7% | 28 | 62 | 45.2% | 32 | 36 | 88.9% | 55 | 249 | 22.1% |
| Samfya | 98 | 245 | 40.0% | 179 | 243 | 73.7% | 171 | 247 | 69.2% | 41 | 71 | 57.7% | 37 | 42 | 88.1% | 58 | 250 | 23.2% |

| Variable | SUB-DOMAINS | | | | | | | | | | | | | | | Total No. of HHs (Received all actions based on age group) | | |
|------------------------------|--------------------------------|-------|---------|----------------------------------|-------|---------|--------------------------------|-------|---------|-------------------------------------|-------|---------|-----------------------|-------|---------|---|-------|---------|
| | Adequate diet during pregnancy | | | Adequate diet when breastfeeding | | | Early Breastfeeding initiation | | | Exclusive breastfeeding to 6 months | | | Complementary feeding | | | Number | Total | Percent |
| | Number | Total | Percent | Number | Total | Percent | Number | Total | Percent | Number | Total | Percent | Number | Total | Percent | | | |
| Lusaka | 85 | 237 | 35.9% | 151 | 237 | 63.7% | 135 | 250 | 54.0% | 43 | 65 | 66.2% | 32 | 32 | 100.0% | 30 | 250 | 12.0% |
| Lusaka | 85 | 237 | 35.9% | 151 | 237 | 63.7% | 135 | 250 | 54.0% | 43 | 65 | 66.2% | 32 | 32 | 100.0% | 30 | 250 | 12.0% |
| Muchinga | 289 | 727 | 39.8% | 530 | 727 | 72.9% | 574 | 738 | 77.8% | 126 | 223 | 56.5% | 127 | 138 | 92.0% | 149 | 750 | 19.9% |
| Chinsali | 99 | 246 | 40.2% | 165 | 246 | 67.1% | 201 | 249 | 80.7% | 50 | 82 | 61.0% | 39 | 44 | 88.6% | 45 | 250 | 18.0% |
| Isoka | 99 | 244 | 40.6% | 196 | 244 | 80.3% | 189 | 241 | 78.4% | 49 | 74 | 66.2% | 43 | 46 | 93.5% | 60 | 250 | 24.0% |
| Mpika | 91 | 237 | 38.4% | 169 | 237 | 71.3% | 184 | 248 | 74.2% | 27 | 67 | 40.3% | 45 | 48 | 93.8% | 44 | 250 | 17.6% |
| Northern | 346 | 986 | 35.1% | 702 | 985 | 71.3% | 734 | 991 | 74.1% | 171 | 259 | 66.0% | 118 | 138 | 85.5% | 174 | 1,000 | 17.4% |
| Kaputa | 87 | 245 | 35.5% | 179 | 245 | 73.1% | 167 | 248 | 67.3% | 32 | 64 | 50.0% | 26 | 37 | 70.3% | 35 | 250 | 14.0% |
| Kasama | 79 | 243 | 32.5% | 171 | 242 | 70.7% | 174 | 248 | 70.2% | 39 | 60 | 65.0% | 27 | 29 | 93.1% | 40 | 250 | 16.0% |
| Luwingu | 79 | 250 | 31.6% | 145 | 250 | 58.0% | 191 | 248 | 77.0% | 62 | 78 | 79.5% | 24 | 30 | 80.0% | 33 | 250 | 13.2% |
| Mbala | 101 | 248 | 40.7% | 207 | 248 | 83.5% | 202 | 247 | 81.8% | 38 | 57 | 66.7% | 41 | 42 | 97.6% | 66 | 250 | 26.4% |
| North-Western | 262 | 730 | 35.9% | 497 | 729 | 68.2% | 555 | 743 | 74.7% | 112 | 183 | 61.2% | 91 | 99 | 91.9% | 112 | 749 | 15.0% |
| Mwinilunga | 87 | 241 | 36.1% | 164 | 240 | 68.3% | 195 | 247 | 78.9% | 39 | 59 | 66.1% | 38 | 40 | 95.0% | 37 | 249 | 14.9% |
| Solwezi | 95 | 245 | 38.8% | 168 | 245 | 68.6% | 177 | 246 | 72.0% | 32 | 59 | 54.2% | 24 | 25 | 96.0% | 44 | 250 | 17.6% |
| Zambezi | 80 | 244 | 32.8% | 165 | 244 | 67.6% | 183 | 250 | 73.2% | 41 | 65 | 63.1% | 29 | 34 | 85.3% | 31 | 250 | 12.4% |
| Southern | 204 | 493 | 41.4% | 403 | 492 | 81.9% | 414 | 493 | 84.0% | 114 | 137 | 83.2% | 53 | 58 | 91.4% | 105 | 497 | 21.1% |
| Choma | 96 | 246 | 39.0% | 199 | 245 | 81.2% | 205 | 244 | 84.0% | 61 | 70 | 87.1% | 25 | 29 | 86.2% | 51 | 247 | 20.6% |
| Monze | 108 | 247 | 43.7% | 204 | 247 | 82.6% | 209 | 249 | 83.9% | 53 | 67 | 79.1% | 28 | 29 | 96.6% | 54 | 250 | 21.6% |
| Western | 272 | 991 | 27.4% | 776 | 990 | 78.4% | 824 | 991 | 83.1% | 184 | 230 | 80.0% | 97 | 128 | 75.8% | 165 | 998 | 16.5% |
| Kalabo | 76 | 248 | 30.6% | 197 | 248 | 79.4% | 210 | 249 | 84.3% | 49 | 62 | 79.0% | 19 | 30 | 63.3% | 51 | 249 | 20.5% |
| Kaoma | 74 | 249 | 29.7% | 201 | 249 | 80.7% | 220 | 249 | 88.4% | 53 | 67 | 79.1% | 26 | 30 | 86.7% | 51 | 250 | 20.4% |
| Mongu | 56 | 248 | 22.6% | 174 | 247 | 70.4% | 188 | 243 | 77.4% | 35 | 43 | 81.4% | 34 | 40 | 85.0% | 23 | 249 | 9.2% |
| Shang'ombo | 66 | 246 | 26.8% | 204 | 246 | 82.9% | 206 | 250 | 82.4% | 47 | 58 | 81.0% | 18 | 28 | 64.3% | 40 | 250 | 16.0% |
| CHILD STUNTING STATUS | | | | | | | | | | | | | | | | | | |
| Normal height | 2,029 | 5,069 | 40.0% | 3,718 | 5,057 | 73.5% | 3,788 | 5,134 | 73.8% | 983 | 1,461 | 67.3% | 747 | 829 | 90.1% | 950 | 5,167 | 18.4% |
| Moderately stunted | 595 | 1,473 | 40.4% | 1,103 | 1,471 | 75.0% | 1,098 | 1,485 | 73.9% | 188 | 278 | 67.6% | 136 | 148 | 91.9% | 305 | 1,495 | 20.4% |
| Severely stunted | 240 | 727 | 33.0% | 533 | 726 | 73.4% | 516 | 730 | 70.7% | 110 | 151 | 72.8% | 46 | 53 | 86.8% | 111 | 740 | 15.0% |
| Total | 2,864 | 7,269 | 39.4% | 5,354 | 7,254 | 73.8% | 5,402 | 7,349 | 73.5% | 1,281 | 1,890 | 67.8% | 929 | 1,030 | 90.2% | 1,366 | 7,402 | 18.5% |

Table 21. Indicator 17 - % of children exclusively breastfed to 6 months by key demographic characteristics and child stunting status

| Variable | Number | Percent | Total No. of HHs with children 0-5 months |
|-----------------------|--------|---------|---|
| GENDER | | | |
| Male | 622 | 65.8% | 945 |
| Female | 700 | 70.4% | 994 |
| Total | 1,322 | 68.2% | 1,939 |
| REGION | | | |
| Rural | 922 | 69.4% | 1,329 |
| Urban | 400 | 65.6% | 610 |
| Total | 1,322 | 68.2% | 1,939 |
| HOUSEHOLD SIZE | | | |
| ≤ 5 | 544 | 66.3% | 820 |
| 5-10 | 702 | 70.0% | 1,003 |
| 10+ | 76 | 65.5% | 116 |
| Total | 1,322 | 68.2% | 1,939 |
| GEO-LOCATION | | | |
| National | 1,322 | 68.2% | 1,939 |
| Central | 207 | 74.2% | 279 |
| Chibombo | 40 | 62.5% | 64 |
| Kabwe | 55 | 77.5% | 71 |
| Kapiri | 56 | 72.7% | 77 |
| Mumbwa | 56 | 83.6% | 67 |
| Copperbelt | 78 | 71.6% | 109 |
| Kitwe | 42 | 73.7% | 57 |
| Ndola | 36 | 69.2% | 52 |
| Eastern | 182 | 70.3% | 259 |
| Chipata | 57 | 77.0% | 74 |
| Katete | 46 | 76.7% | 60 |
| Lundazi | 42 | 64.6% | 65 |
| Petauke | 37 | 61.7% | 60 |
| Luapula | 105 | 53.8% | 195 |
| Mansa | 36 | 58.1% | 62 |
| Nchelenge | 28 | 45.2% | 62 |
| Samfya | 41 | 57.7% | 71 |
| Lusaka | 43 | 66.2% | 65 |
| Lusaka | 43 | 66.2% | 65 |
| Muchinga | 126 | 56.5% | 223 |
| Chinsali | 50 | 61.0% | 82 |
| Isoka | 49 | 66.2% | 74 |
| Mpika | 27 | 40.3% | 67 |
| Northern | 171 | 66.0% | 259 |
| Kaputa | 32 | 50.0% | 64 |
| Kasama | 39 | 65.0% | 60 |
| Luwingu | 62 | 79.5% | 78 |
| Mbala | 38 | 66.7% | 57 |

| Variable | Number | Percent | Total No. of HHs with children 0-5 months |
|------------------------------|--------|---------|---|
| North-Western | 112 | 61.2% | 183 |
| Mwinilunga | 39 | 66.1% | 59 |
| Solwezi | 32 | 54.2% | 59 |
| Zambezi | 41 | 63.1% | 65 |
| Southern | 114 | 83.2% | 137 |
| Choma | 61 | 87.1% | 70 |
| Monze | 53 | 79.1% | 67 |
| Western | 184 | 80.0% | 230 |
| Kalabo | 49 | 79.0% | 62 |
| Kaoma | 53 | 79.1% | 67 |
| Mongu | 35 | 81.4% | 43 |
| Shangombo | 47 | 81.0% | 58 |
| CHILD STUNTING STATUS | | | |
| Normal height | 983 | 67.3% | 1,461 |
| Moderately stunted | 188 | 67.6% | 278 |
| Severely stunted | 110 | 72.8% | 151 |
| Total | 1,281 | 67.8% | 1,890 |

Table 22. Indicator 18 - % of children meeting minimal standards for child feeding (IYCF) by key demographic characteristics and child stunting status

| Variable | Number | Percent | Total No. of children |
|------------------------------|--------|---------|-----------------------|
| GENDER | | | |
| Male | 1,061 | 27.8% | 3,817 |
| Female | 1,073 | 29.3% | 3,660 |
| Total | 2,134 | 28.5% | 7,477 |
| CHILD AGE | | | |
| < 6 months | 1,077 | 55.4% | 1,945 |
| 6-8 months | 162 | 15.6% | 1,038 |
| 9-11 months | 187 | 17.9% | 1,043 |
| 12-17 months | 390 | 21.8% | 1,785 |
| 18-23 months | 318 | 19.1% | 1,666 |
| Total | 2,134 | 28.5% | 7,477 |
| IYCF Standards | | | |
| Breastfeeding | | | |
| < 6 months | 1,077 | 100% | 1,077 |
| 6-8 months | 146 | 90.1% | 162 |
| 9-11 months | 172 | 92.0% | 187 |
| 12-17 months | 345 | 88.5% | 390 |
| 18-24 months | 118 | 37.1% | 318 |
| Total | 1,858 | 87.1% | 2,314 |
| Complementary Feeding | | | |
| 6-8 months | 162 | 100% | 162 |
| 9-11 months | 187 | 100% | 187 |
| 12-17 months | 389 | 99.8% | 390 |
| 18-24 months | 315 | 99.1% | 318 |

| Variable | Number | Percent | Total No. of children |
|-----------------------|--------|---------|-----------------------|
| Total | 1,053 | 99.6% | 1,057 |
| REGION | | | |
| Rural | 1,343 | 26.3% | 5,105 |
| Urban | 791 | 33.3% | 2,372 |
| Total | 2,134 | 28.5% | 7,477 |
| HOUSEHOLD SIZE | | | |
| ≤ 5 | 934 | 27.0% | 3,458 |
| 5-10 | 1,082 | 29.6% | 3,654 |
| 10+ | 118 | 32.3% | 365 |
| Total | 2,134 | 28.5% | 7,477 |
| GEO-LOCATION | | | |
| National | 2,134 | 28.5% | 7,477 |
| Central | 364 | 36.5% | 998 |
| Chibombo | 65 | 26.1% | 249 |
| Kabwe | 110 | 44.0% | 250 |
| Kapiri | 85 | 34.1% | 249 |
| Mumbwa | 104 | 41.6% | 250 |
| Copperbelt | 182 | 36.4% | 500 |
| Kitwe | 91 | 36.4% | 250 |
| Ndola | 91 | 36.4% | 250 |
| Eastern | 309 | 31.1% | 995 |
| Chipata | 86 | 34.8% | 247 |
| Katete | 78 | 31.2% | 250 |
| Lundazi | 85 | 34.1% | 249 |
| Petauke | 60 | 24.1% | 249 |
| Luapula | 201 | 26.9% | 747 |
| Mansa | 84 | 33.6% | 250 |
| Nchelenge | 53 | 21.4% | 248 |
| Samfya | 64 | 25.7% | 249 |
| Lusaka | 77 | 30.8% | 250 |
| Lusaka | 77 | 30.8% | 250 |
| Muchinga | 168 | 22.5% | 747 |
| Chinsali | 54 | 21.7% | 249 |
| Isoka | 72 | 28.8% | 250 |
| Mpika | 42 | 16.9% | 248 |
| Northern | 246 | 24.6% | 999 |
| Kaputa | 39 | 15.7% | 249 |
| Kasama | 60 | 24.0% | 250 |
| Luwingu | 74 | 29.6% | 250 |
| Mbala | 73 | 29.2% | 250 |
| North-Western | 191 | 25.6% | 747 |
| Mwinilunga | 67 | 26.9% | 249 |
| Solwezi | 65 | 26.1% | 249 |
| Zambezi | 59 | 23.7% | 249 |
| Southern | 185 | 37.2% | 497 |
| Choma | 93 | 37.7% | 247 |
| Monze | 92 | 36.8% | 250 |

| Variable | Number | Percent | Total No. of children |
|------------------------------|--------------|--------------|-----------------------|
| Western | 211 | 21.2% | 997 |
| Kalabo | 54 | 21.7% | 249 |
| Kaoma | 54 | 21.6% | 250 |
| Mongu | 57 | 23.0% | 248 |
| Shangombo | 46 | 18.4% | 250 |
| CHILD STUNTING STATUS | | | |
| Normal height | 1,542 | 29.9% | 5,163 |
| Moderately stunted | 373 | 25.0% | 1,492 |
| Severely stunted | 175 | 23.7% | 739 |
| Total | 2,090 | 28.3% | 7,394 |

6 Objective 2: Improved health conditions

Table 23. Indicator 19 - % of children who had diarrhoea in the preceding 2 weeks by key demographic characteristics and child stunting status

| Variable | Number | Percent | Total No. Children |
|-----------------------|--------------|--------------|--------------------|
| GENDER | | | |
| Male | 1,371 | 35.9% | 3,818 |
| Female | 1,212 | 33.1% | 3,661 |
| Total | 2,583 | 34.5% | 7,479 |
| CHILD AGE | | | |
| < 6 months | 317 | 16.3% | 1,940 |
| 6-8 months | 405 | 39.0% | 1,039 |
| 9-11 months | 478 | 45.8% | 1,043 |
| 12-17 months | 807 | 45.1% | 1,791 |
| 18-23 months | 576 | 34.6% | 1,666 |
| Total | 2,583 | 34.5% | 7,479 |
| REGION | | | |
| Rural | 1,839 | 36.0% | 5,109 |
| Urban | 744 | 31.4% | 2,370 |
| Total | 2,583 | 34.5% | 7,479 |
| HOUSEHOLD SIZE | | | |
| ≤ 5 | 1,237 | 35.7% | 3,461 |
| 5-10 | 1,232 | 33.7% | 3,653 |
| 10+ | 114 | 31.2% | 365 |
| Total | 2,583 | 34.5% | 7,479 |
| GEO-LOCATION | | | |
| National | 2,583 | 34.5% | 7,479 |
| Central | 323 | 32.4% | 997 |
| Chibombo | 84 | 33.7% | 249 |
| Kabwe | 78 | 31.2% | 250 |
| Kapiri | 74 | 29.8% | 248 |
| Mumbwa | 87 | 34.8% | 250 |
| Copperbelt | 156 | 31.2% | 500 |
| Kitwe | 86 | 34.4% | 250 |

| Variable | Number | Percent | Total No. Children |
|------------------------------|--------|---------|--------------------|
| Ndola | 70 | 28.0% | 250 |
| Eastern | 389 | 39.1% | 994 |
| Chipata | 93 | 37.7% | 247 |
| Katete | 102 | 41.0% | 249 |
| Lundazi | 99 | 39.8% | 249 |
| Petauke | 95 | 38.2% | 249 |
| Luapula | 287 | 38.3% | 749 |
| Mansa | 90 | 36.0% | 250 |
| Nchelenge | 116 | 46.6% | 249 |
| Samfya | 81 | 32.4% | 250 |
| Lusaka | 79 | 31.6% | 250 |
| Lusaka | 79 | 31.6% | 250 |
| Muchinga | 222 | 29.7% | 748 |
| Chinsali | 67 | 26.8% | 250 |
| Isoka | 71 | 28.5% | 249 |
| Mpika | 84 | 33.7% | 249 |
| Northern | 362 | 36.2% | 999 |
| Kaputa | 143 | 57.4% | 249 |
| Kasama | 77 | 30.8% | 250 |
| Luwingu | 75 | 30.0% | 250 |
| Mbala | 67 | 26.8% | 250 |
| North-Western | 241 | 32.3% | 747 |
| Mwinilunga | 77 | 30.9% | 249 |
| Solwezi | 79 | 31.9% | 248 |
| Zambezi | 85 | 34.0% | 250 |
| Southern | 161 | 32.4% | 497 |
| Choma | 73 | 29.6% | 247 |
| Monze | 88 | 35.2% | 250 |
| Western | 363 | 36.4% | 998 |
| Kalabo | 77 | 30.9% | 249 |
| Kaoma | 70 | 28.0% | 250 |
| Mongu | 102 | 41.0% | 249 |
| Shangombo | 114 | 45.6% | 250 |
| CHILD STUNTING STATUS | | | |
| Normal height | 1,716 | 33.2% | 5,161 |
| Moderately stunted | 560 | 37.5% | 1,495 |
| Severely stunted | 288 | 39.0% | 739 |
| Total | 2,564 | 34.7% | 7,395 |

7 Objective 2, IR 3: Improved delivery of health and nutrition services

Table 24. Indicator 20 - % of women of reproductive age practicing family planning by key demographic characteristics and child stunting status

| Variable | Number | Percent | Total No. of Women using a family planning method |
|---------------------------------|--------|---------|---|
| FAMILY PLANNING METHOD | | | |
| Yes | 3,981 | 71.50% | 5,567 |
| No | 1,586 | 28.50% | 5,567 |
| Total | 5,567 | 100% | 5,567 |
| METHOD USED | | | |
| Pills | 535 | 13.40% | 3,981 |
| Intra-uterine device | 49 | 1.20% | 3,981 |
| Injectable | 2,305 | 57.90% | 3,981 |
| Implants | 416 | 10.40% | 3,981 |
| Male condoms | 157 | 3.90% | 3,981 |
| Female condoms | 10 | 0.30% | 3,981 |
| Diaphragm | 1 | 0.03% | 3,981 |
| Foam/jelly | - | - | - |
| Lactational amenorrhea method | 253 | 6.40% | 3,981 |
| Standard days method/cyclebeads | 59 | 1.5 | 3,981 |
| Female sterilization | 21 | 0.50% | 3,981 |
| Abstinence | 64 | 1.60% | 3,981 |
| Traditional | 17 | 0.40% | 3,981 |
| Withdrawal | 94 | 2.40% | 3,981 |
| REGION | | | |
| Rural | 2,529 | 51.00% | 4,955 |
| Urban | 1,274 | 57.60% | 2,211 |
| Total | 3,803 | 53.10% | 7,166 |
| HOUSEHOLD SIZE | | | |
| ≤ 5 | 2,042 | 60.50% | 3,376 |
| 5-10 | 1,638 | 47.40% | 3,456 |
| 10+ | 123 | 36.80% | 334 |
| Total | 3,803 | 53.10% | 7,166 |
| GEO-LOCATION | | | |
| National | 3,803 | 53.10% | 7,166 |
| Central | 514 | 54.10% | 950 |
| Chibombo | 137 | 55.70% | 246 |
| Kabwe | 146 | 60.80% | 240 |
| Kapiri | 132 | 55.50% | 238 |
| Mumbwa | 99 | 43.80% | 226 |
| Copperbelt | 309 | 64.90% | 476 |
| Kitwe | 148 | 62.40% | 237 |
| Ndola | 161 | 67.40% | 239 |
| Eastern | 663 | 68.10% | 973 |
| Chipata | 178 | 74.20% | 240 |
| Katete | 172 | 70.20% | 245 |
| Lundazi | 168 | 68.90% | 244 |
| Petauke | 145 | 59.40% | 244 |
| Luapula | 377 | 53.70% | 702 |
| Mansa | 146 | 64.00% | 228 |
| Nchelenge | 117 | 49.00% | 239 |
| Samfya | 114 | 48.50% | 235 |
| Lusaka | 102 | 46.80% | 218 |

| Variable | Number | Percent | Total No. of Women using a family planning method |
|------------------------------|--------|---------|---|
| Lusaka | 102 | 46.80% | 218 |
| Muchinga | 450 | 62.40% | 721 |
| Chinsali | 145 | 59.20% | 245 |
| Isoka | 164 | 69.80% | 235 |
| Mpika | 141 | 58.50% | 241 |
| Northern | 457 | 46.90% | 974 |
| Kaputa | 79 | 32.10% | 246 |
| Kasama | 116 | 48.30% | 240 |
| Luwingu | 114 | 46.90% | 243 |
| Mbala | 148 | 60.40% | 245 |
| North-Western | 261 | 36.80% | 710 |
| Mwinilunga | 85 | 35.10% | 242 |
| Solwezi | 101 | 43.20% | 234 |
| Zambezi | 75 | 32.10% | 234 |
| Southern | 322 | 67.10% | 480 |
| Choma | 149 | 62.30% | 239 |
| Monze | 173 | 71.80% | 241 |
| Western | 348 | 36.20% | 962 |
| Kalabo | 72 | 29.50% | 244 |
| Kaoma | 90 | 37.50% | 240 |
| Mongu | 100 | 43.30% | 231 |
| Shangombo | 86 | 34.80% | 247 |
| CHILD STUNTING STATUS | | | |
| Normal height | 2,630 | 53.10% | 4,953 |
| Moderately stunted | 765 | 53.30% | 1,435 |
| Severely stunted | 380 | 54.70% | 695 |
| Total | 3,775 | 53.30% | 7,083 |

Table 25. Indicator 21 - % of children who had diarrhoea in the preceding 2 weeks who received treatment from a health facility or a provider

| Variable | Number | Percent | Total No. of Children with Diarrhoea in The Preceding 2 Weeks |
|-----------------------|--------|---------|---|
| GENDER | | | |
| Male | 906 | 66.2% | 1,369 |
| Female | 767 | 63.4% | 1,210 |
| Total | 1,673 | 64.9% | 2,579 |
| REGION | | | |
| Rural | 1,254 | 68.3% | 1,837 |
| Urban | 419 | 56.5% | 742 |
| Total | 1,673 | 64.9% | 2,579 |
| HOUSEHOLD SIZE | | | |
| <5 | 781 | 63.3% | 1,234 |
| 5-10 | 818 | 66.5% | 1,231 |
| 10+ | 74 | 64.9% | 114 |
| Total | 1,673 | 64.9% | 2,579 |
| GEO-LOCATION | | | |
| National | 1,673 | 64.9% | 2,579 |
| Central | 191 | 59.3% | 322 |
| Chibombo | 47 | 56.0% | 84 |
| Kabwe | 42 | 53.8% | 78 |
| Kapiri mposhi | 44 | 60.3% | 73 |
| Mumbwa | 58 | 66.7% | 87 |
| Copperbelt | 94 | 60.6% | 155 |
| Kitwe | 58 | 68.2% | 85 |
| Ndola | 36 | 51.4% | 70 |
| Eastern | 290 | 74.6% | 389 |
| Chipata | 61 | 65.6% | 93 |
| Katete | 78 | 76.5% | 102 |
| Lundazi | 80 | 80.8% | 99 |
| Petauke | 71 | 74.7% | 95 |
| Luapula | 203 | 70.7% | 287 |
| Mansa | 64 | 71.1% | 90 |
| Nchelenge | 86 | 74.1% | 116 |
| Samfya | 53 | 65.4% | 81 |
| Lusaka | 34 | 43.0% | 79 |
| Lusaka | 34 | 43.0% | 79 |
| Muchinga | 147 | 66.2% | 222 |
| Chinsali | 43 | 64.2% | 67 |
| Isoka | 55 | 77.5% | 71 |
| Mpika | 49 | 58.3% | 84 |
| Northern | 230 | 63.5% | 362 |
| Kaputa | 105 | 73.4% | 143 |
| Kasama | 33 | 42.9% | 77 |
| Luwingu | 49 | 65.3% | 75 |
| Mbala | 43 | 64.2% | 67 |
| North-Western | 153 | 63.5% | 241 |
| Mwinilunga | 49 | 63.6% | 77 |
| Solwezi | 44 | 55.7% | 79 |
| Zambezi | 60 | 70.6% | 85 |
| Southern | 84 | 52.2% | 161 |
| Choma | 39 | 53.4% | 73 |
| Monze | 45 | 51.1% | 88 |
| Western | 247 | 68.4% | 361 |

| Variable | Number | Percent | Total No. of Children with Diarrhoea in The Preceding 2 Weeks |
|----------------------------------|--------|---------|---|
| Kalabo | 49 | 63.6% | 77 |
| Kaoma | 48 | 68.6% | 70 |
| Mongu | 71 | 69.6% | 102 |
| Shang'ombo | 79 | 70.5% | 112 |
| CHILD STUNTING CATEGORIES | | | |
| Normal height | 1,095 | 63.9% | 1,714 |
| Moderately stunted | 365 | 65.3% | 559 |
| Severely stunted | 203 | 70.7% | 287 |
| Total | 1,663 | 65.0% | 2,560 |

Table 26. Indicator 21 - % of children who had diarrhoea in the preceding 2 weeks who received therapeutic Zinc supplements or ORS by key demographic characteristics and child stunting status

| Variable | Zinc from health facility (verified in health card) | | Zinc from health facility (reported by mother) | | Pre-packaged ORS (reported by mother) | | Homemade ORS (reported by mother) | | Total No. Children with diarrhoea |
|-----------------------|---|---------|--|---------|---------------------------------------|---------|-----------------------------------|---------|-----------------------------------|
| | Number | Percent | Number | Percent | Number | Percent | Number | Percent | |
| GENDER | | | | | | | | | |
| Male | 63 | 4.6% | 334 | 24.4% | 153 | 11.2% | 38 | 2.8% | 1,369 |
| Female | 54 | 4.5% | 269 | 22.2% | 125 | 10.3% | 41 | 3.4% | 1,210 |
| Total | 117 | 4.5% | 603 | 23.4% | 278 | 10.8% | 79 | 3.1% | 2,579 |
| REGION | | | | | | | | | |
| Rural | 78 | 4.2% | 426 | 23.2% | 175 | 9.5% | 50 | 2.7% | 1,837 |
| Urban | 39 | 5.3% | 177 | 23.9% | 103 | 13.9% | 29 | 3.9% | 742 |
| Total | 117 | 4.5% | 603 | 23.4% | 278 | 10.8% | 79 | 3.1% | 2,579 |
| HOUSEHOLD SIZE | | | | | | | | | |
| ≤ 5 | 61 | 4.9% | 287 | 23.3% | 125 | 10.1% | 38 | 3.1% | 1,234 |
| 5-10 | 51 | 4.1% | 282 | 22.9% | 144 | 11.7% | 34 | 2.8% | 1,231 |
| 10+ | 5 | 4.4% | 34 | 29.8% | 9 | 7.9% | 7 | 6.1% | 114 |
| Total | 117 | 4.5% | 603 | 23.4% | 278 | 10.8% | 79 | 3.1% | 2,579 |
| GEO-LOCATION | | | | | | | | | |
| National | 117 | 4.5% | 603 | 23.4% | 278 | 10.8% | 79 | 3.1% | 2,579 |
| Central | 28 | 8.7% | 51 | 15.8% | 44 | 13.7% | 12 | 3.7% | 322 |
| Chibombo | 8 | 9.5% | 9 | 10.7% | 10 | 11.9% | 2 | 2.4% | 84 |
| Kabwe | 12 | 15.4% | 12 | 15.4% | 8 | 10.3% | 2 | 2.6% | 78 |
| Kapiri | 7 | 9.6% | 8 | 11.0% | 11 | 15.1% | 2 | 2.7% | 73 |
| Mumbwa | 1 | 1.1% | 22 | 25.3% | 15 | 17.2% | 6 | 6.9% | 87 |
| Copperbelt | 8 | 5.2% | 37 | 23.9% | 27 | 17.4% | 3 | 1.9% | 155 |
| Kitwe | 1 | 1.2% | 29 | 34.1% | 11 | 12.9% | 1 | 1.2% | 85 |
| Ndola | 7 | 10.0% | 8 | 11.4% | 16 | 22.9% | 2 | 2.9% | 70 |
| Eastern | 7 | 1.8% | 114 | 29.3% | 12 | 3.1% | 14 | 3.6% | 389 |
| Chipata | 2 | 2.2% | 19 | 20.4% | 2 | 2.2% | 6 | 6.5% | 93 |
| Katete | 0 | 0.0% | 38 | 37.3% | 5 | 4.9% | 2 | 2.0% | 102 |
| Lundazi | 1 | 1.0% | 32 | 32.3% | 1 | 1.0% | 2 | 2.0% | 99 |
| Petauke | 4 | 4.2% | 25 | 26.3% | 4 | 4.2% | 4 | 4.2% | 95 |
| Luapula | 6 | 2.1% | 73 | 25.4% | 32 | 11.1% | 6 | 2.1% | 287 |
| Mansa | 3 | 3.3% | 19 | 21.1% | 13 | 14.4% | 0 | 0.0% | 90 |
| Nchelenge | 1 | 0.9% | 32 | 27.6% | 11 | 9.5% | 4 | 3.4% | 116 |
| Samfya | 2 | 2.5% | 22 | 27.2% | 8 | 9.9% | 2 | 2.5% | 81 |
| Lusaka | 2 | 2.5% | 22 | 27.8% | 20 | 25.3% | 6 | 7.6% | 79 |
| Lusaka | 2 | 2.5% | 22 | 27.8% | 20 | 25.3% | 6 | 7.6% | 79 |
| Muchinga | 11 | 5.0% | 41 | 18.5% | 26 | 11.7% | 3 | 1.4% | 222 |
| Chinsali | 4 | 6.0% | 13 | 19.4% | 8 | 11.9% | 0 | 0.0% | 67 |
| Isoka | 5 | 7.0% | 16 | 22.5% | 6 | 8.5% | 0 | 0.0% | 71 |
| Mpika | 2 | 2.4% | 12 | 14.3% | 12 | 14.3% | 3 | 3.6% | 84 |

| Variable | Zinc from health facility (verified in health card) | | Zinc from health facility (reported by mother) | | Pre-packaged ORS (reported by mother) | | Homemade ORS (reported by mother) | | Total No. Children with diarrhoea |
|------------------------------|---|---------|--|---------|---------------------------------------|---------|-----------------------------------|---------|-----------------------------------|
| | Number | Percent | Number | Percent | Number | Percent | Number | Percent | |
| Northern | 8 | 2.2% | 62 | 17.1% | 51 | 14.1% | 5 | 1.4% | 362 |
| Kaputa | 2 | 1.4% | 36 | 25.2% | 16 | 11.2% | 3 | 2.1% | 143 |
| Kasama | 0 | 0.0% | 10 | 13.0% | 15 | 19.5% | 2 | 2.6% | 77 |
| Luwingu | 2 | 2.7% | 11 | 14.7% | 13 | 17.3% | 0 | 0.0% | 75 |
| Mbala | 4 | 6.0% | 5 | 7.5% | 7 | 10.4% | 0 | 0.0% | 67 |
| North-Western | 6 | 2.5% | 80 | 33.2% | 27 | 11.2% | 3 | 1.2% | 241 |
| Mwinilunga | 1 | 1.3% | 27 | 35.1% | 9 | 11.7% | 1 | 1.3% | 77 |
| Solwezi | 2 | 2.5% | 23 | 29.1% | 8 | 10.1% | 1 | 1.3% | 79 |
| Zambezi | 3 | 3.5% | 30 | 35.3% | 10 | 11.8% | 1 | 1.2% | 85 |
| Southern | 13 | 8.1% | 25 | 15.5% | 15 | 9.3% | 19 | 11.8% | 161 |
| Choma | 8 | 11.0% | 7 | 9.6% | 12 | 16.4% | 5 | 6.8% | 73 |
| Monze | 5 | 5.7% | 18 | 20.5% | 3 | 3.4% | 14 | 15.9% | 88 |
| Western | 28 | 7.8% | 98 | 27.1% | 24 | 6.6% | 8 | 2.2% | 361 |
| Kalabo | 8 | 10.4% | 21 | 27.3% | 8 | 10.4% | 1 | 1.3% | 77 |
| Kaoma | 12 | 17.1% | 11 | 15.7% | 3 | 4.3% | 0 | 0.0% | 70 |
| Mongu | 2 | 2.0% | 39 | 38.2% | 8 | 7.8% | 6 | 5.9% | 102 |
| Shangombo | 6 | 5.4% | 27 | 24.1% | 5 | 4.5% | 1 | 0.9% | 112 |
| CHILD STUNTING STATUS | | | | | | | | | |
| Normal height | 78 | 4.6% | 411 | 24.0% | 193 | 11.3% | 55 | 3.2% | 1,714 |
| Moderately stunted | 24 | 4.3% | 116 | 20.8% | 57 | 10.2% | 14 | 2.5% | 559 |
| Severely stunted | 14 | 4.9% | 73 | 25.4% | 27 | 9.4% | 10 | 3.5% | 287 |
| Total | 116 | 4.5% | 600 | 23.4% | 277 | 10.8% | 79 | 3.1% | 2,560 |

8 Objective 2, IR 4: Healthier and cleaner environment

Table 27. Indicator 24 – % HH with access to basic drinking water by demographic characteristics and child stunting and diarrhoea status

| Variable | Total No. in sample | Number | Percent |
|-----------------------|---------------------|--------|---------|
| REGION | | | |
| Rural | 5,113 | 1,393 | 27.2% |
| Urban | 2,373 | 1,427 | 60.1% |
| Total | 7,486 | 2,820 | 37.7% |
| HOUSEHOLD SIZE | | | |
| ≤ 5 | 3,463 | 1,376 | 39.7% |
| 5-10 | 3,657 | 1,309 | 35.8% |
| 10+ | 366 | 135 | 36.9% |
| Total | 7,486 | 2,820 | 37.7% |
| GEO-LOCATION | | | |
| National | 7,486 | 2,820 | 37.7% |
| Central | 998 | 627 | 62.8% |
| Chibombo | 249 | 169 | 67.9% |
| Kabwe | 250 | 188 | 75.2% |
| Kapiri | 249 | 123 | 49.4% |
| Mumbwa | 250 | 147 | 58.8% |
| Copperbelt | 500 | 376 | 75.2% |
| Kitwe | 250 | 187 | 74.8% |
| Ndola | 250 | 189 | 75.6% |
| Eastern | 995 | 409 | 41.1% |
| Chipata | 247 | 107 | 43.3% |
| Katete | 250 | 110 | 44.0% |
| Lundazi | 249 | 76 | 30.5% |
| Petauke | 249 | 116 | 46.6% |
| Luapula | 749 | 141 | 18.8% |
| Mansa | 250 | 46 | 18.4% |
| Nchelenge | 249 | 74 | 29.7% |
| Samfya | 250 | 21 | 8.4% |
| Lusaka | 250 | 201 | 80.4% |
| Lusaka | 250 | 201 | 80.4% |
| Muchinga | 750 | 158 | 21.1% |
| Chinsali | 250 | 44 | 17.6% |
| Isoka | 250 | 69 | 27.6% |
| Mpika | 250 | 45 | 18.0% |
| Northern | 1,000 | 229 | 22.9% |
| Kaputa | 250 | 45 | 18.0% |
| Kasama | 250 | 72 | 28.8% |
| Luwingu | 250 | 47 | 18.8% |
| Mbala | 250 | 65 | 26.0% |
| North-Western | 749 | 216 | 28.8% |
| Mwinilunga | 249 | 63 | 25.3% |
| Solwezi | 250 | 115 | 46.0% |
| Zambezi | 250 | 38 | 15.2% |

| Variable | Total No. in sample | Number | Percent |
|---|---------------------|--------|---------|
| Southern | 497 | 239 | 48.1% |
| Choma | 247 | 128 | 51.8% |
| Monze | 250 | 111 | 44.4% |
| Western | 998 | 224 | 22.4% |
| Kalabo | 249 | 41 | 16.5% |
| Kaoma | 250 | 61 | 24.4% |
| Mongu | 249 | 81 | 32.5% |
| Shangombo | 250 | 41 | 16.4% |
| CHILD STUNTING STATUS | | | |
| Normal height | 5,167 | 2,031 | 39.3% |
| Moderately stunted | 1,495 | 522 | 34.9% |
| Severely stunted | 740 | 235 | 31.8% |
| Total | 7,402 | 2,788 | 37.7% |
| CHILDREN WITH DIARRHEA IN LAST 2 WEEKS** | | | |
| Yes | 2,583 | 895 | 34.6% |
| No | 4,896 | 1,923 | 39.3% |
| Total | 7,479 | 2818 | 37.7% |

Table 28. Indicator 24 – No. people with access to basic drinking water (based on Table 27 and HH size) by demographic characteristics

| Variable | Number of People | Percent | Total Population in Sample |
|-----------------------|------------------|---------|----------------------------|
| REGION | | | |
| Rural | 8683 | 27.3% | 31,787 |
| Urban | 8310 | 58.9% | 14,102 |
| Total | 16,993 | 37.0% | 45,889 |
| HOUSEHOLD SIZE | | | |
| ≤ 5 | 5649 | 39.9% | 14,146 |
| 5-10 | 9678 | 35.5% | 27,232 |
| 10+ | 1666 | 36.9% | 4,511 |
| Total | 16,993 | 37.0% | 45,889 |
| GEO-LOCATION | | | |
| National | 16,993 | 37.0% | 45,889 |
| Central | 3878 | 62.1% | 6,247 |
| Chibombo | 1,034 | 66.2% | 1,562 |
| Kabwe | 1,095 | 76.1% | 1,438 |
| Kapiri | 740 | 48.3% | 1,531 |
| Mumbwa | 1,009 | 58.8% | 1,716 |
| Copperbelt | 2149 | 74.5% | 2,883 |
| Kitwe | 1,083 | 73.8% | 1,467 |
| Ndola | 1,066 | 75.3% | 1,416 |
| Eastern | 2,385 | 39.8% | 5,987 |
| Chipata | 599 | 41.5% | 1,442 |
| Katete | 667 | 44.6% | 1,494 |
| Lundazi | 409 | 27.1% | 1,508 |

| Variable | Number of People | Percent | Total Population in Sample |
|----------------------|------------------|---------|----------------------------|
| REGION | | | |
| Petauke | 710 | 46.0% | 1,543 |
| Luapula | 865 | 18.3% | 4,727 |
| Mansa | 274 | 17.6% | 1,558 |
| Nchelenge | 477 | 29.5% | 1,615 |
| Samfya | 114 | 7.3% | 1,554 |
| Lusaka | 1,110 | 79.2% | 1,401 |
| Lusaka | 1,110 | 79.2% | 1,401 |
| Muchinga | 948 | 21.5% | 4,405 |
| Chinsali | 254 | 17.5% | 1,449 |
| Isoka | 392 | 28.0% | 1,398 |
| Mpika | 302 | 19.4% | 1,558 |
| Northern | 1,336 | 21.7% | 6,152 |
| Kaputa | 276 | 16.2% | 1,706 |
| Kasama | 413 | 27.4% | 1,509 |
| Luwingu | 272 | 18.5% | 1,472 |
| Mbala | 375 | 25.6% | 1,465 |
| North-Western | 1,406 | 29.2% | 4,816 |
| Mwinilunga | 414 | 25.2% | 1,645 |
| Solwezi | 734 | 46.4% | 1,581 |
| Zambezi | 258 | 16.2% | 1,590 |
| Southern | 1,490 | 47.5% | 3,140 |
| Choma | 782 | 51.3% | 1,525 |
| Monze | 708 | 43.8% | 1,615 |
| Western | 1,426 | 23.3% | 6,131 |
| Kalabo | 260 | 17.0% | 1,528 |
| Kaoma | 397 | 24.4% | 1,626 |
| Mongu | 507 | 33.6% | 1,511 |
| Shangombo | 262 | 17.9% | 1,466 |

Table 29. Indicator 24 – HH water characteristics

| | Number | Total No. HH in Sample | Percent |
|--|--------|------------------------|---------|
| HOUSEHOLD MAIN SOURCE OF DRINKING WATER | | | |
| Safe Sources | | | |
| Borehole | 2,224 | 7,486 | 29.7% |
| Protected shallow well | 1,004 | 7,486 | 13.4% |
| Harvested rain water | 1 | 7,486 | 0.0% |
| Public tap | 258 | 7,486 | 3.4% |
| Piped water | 1,459 | 7,486 | 19.5% |
| Protected spring | 23 | 7,486 | 0.3% |
| Mineral water | 25 | 7,486 | 0.3% |
| Total | 4,994 | 7,486 | 66.7% |
| Unsafe Sources | | | |
| Tanker-truck | - | - | - |

| | Number | Total No. HH in Sample | Percent |
|--|--------|------------------------|---------|
| Surface water | 691 | 7,486 | 9.2% |
| Unprotected /open shallow well | 1,799 | 7,486 | 24.0% |
| Cart with small tank/drum | 1 | 7,486 | 0.0% |
| Don't know | 1 | 7,486 | 0.0% |
| Total | 2,492 | 7486 | 33.3% |
| WATER ACCESSIBLE EVERYTIME | | | |
| Yes | 6,165 | 7,486 | 82.4% |
| No | 1,316 | 7,486 | 17.6% |
| Don't know | 5 | 7,486 | 0.1% |
| TIME TO MAIN WATER SOURCE | | | |
| ≤ 30 minutes | 6,249 | 7,486 | 83.5% |
| > 30 minutes | 1,233 | 7,486 | 16.5% |
| MAIN WATER POINT USERS | | | |
| Household only | 760 | 7,479 | 10.2% |
| A few household | 2,288 | 7,479 | 30.6% |
| Communal use only | 4,173 | 7,479 | 55.8% |
| Communal and institutional use | 252 | 7,479 | 3.4% |
| Other | - | - | - |
| Don't know | 6 | 7,479 | 0.1% |
| HOUSEHOLDS HAS ALTERNATIVE WATER SOURCE | | | |
| Yes | 3,163 | 7,486 | 42.3% |
| No | 4,323 | 7,486 | 57.7% |
| ALTERNATIVE WATER SOURCE IS SAFE | | | |
| Yes | 1,557 | 3,163 | 49.2% |
| No | 1,606 | 3,163 | 50.8% |
| TIME TO ALTERNATIVE WATER SOURCE | | | |
| ≤ 30 minutes | 1,251 | 3,157 ⁸ | 39.6% |
| > 30 minutes | 1,906 | 3,157 | 60.4% |

Table 30. Indicator 25 – % HHs practicing correct use of water treatment technologies by demographic characteristics and stunting status

| Variable | Number | Percent | Total No. of HHs using an unsafe water source |
|-----------------------|--------|---------|---|
| REGION | | | |
| Rural | 255 | 8.3% | 3,055 |
| Urban | 71 | 18.5% | 383 |
| Total | 326 | 9.5% | 3,438 |
| HOUSEHOLD SIZE | | | |
| ≤ 5 | 145 | 9.4% | 1,535 |
| 5-10 | 167 | 9.6% | 1,744 |
| 10+ | 14 | 8.8% | 159 |
| Total | 326 | 9.5% | 3,438 |
| GEO-LOCATION | | | |
| National | 326 | 9.5% | 3,438 |

⁸ Number of households that indicated having an alternative

| Variable | Number | Percent | Total No. of HHs using an unsafe water source |
|------------------------------|--------|---------|---|
| REGION | | | |
| Central | 24 | 14.8% | 162 |
| Chibombo | 4 | 9.3% | 43 |
| Kabwe | 1 | 14.3% | 7 |
| Kapiri | 16 | 16.7% | 96 |
| Mumbwa | 3 | 18.8% | 16 |
| Copperbelt | 12 | 41.4% | 29 |
| Kitwe | 2 | 18.2% | 11 |
| Ndola | 10 | 55.6% | 18 |
| Eastern | 46 | 9.9% | 466 |
| Chipata | 7 | 6.7% | 104 |
| Katete | 11 | 9.7% | 113 |
| Lundazi | 15 | 10.3% | 146 |
| Petauke | 13 | 12.6% | 103 |
| Luapula | 47 | 9.8% | 480 |
| Mansa | 26 | 13.5% | 192 |
| Nchelenge | 4 | 6.8% | 59 |
| Samfya | 17 | 7.4% | 229 |
| Lusaka | 0 | 0.0% | 2 |
| Lusaka | 0 | 0.0% | 2 |
| Muchinga | 64 | 12.5% | 514 |
| Chinsali | 24 | 12.3% | 195 |
| Isoka | 12 | 7.8% | 153 |
| Mpika | 28 | 16.9% | 166 |
| Northern | 83 | 14.4% | 575 |
| Kaputa | 5 | 4.5% | 111 |
| Kasama | 20 | 17.1% | 117 |
| Luwingu | 23 | 12.2% | 189 |
| Mbala | 35 | 22.2% | 158 |
| North-Western | 27 | 5.9% | 457 |
| Mwinilunga | 9 | 6.0% | 151 |
| Solwezi | 15 | 14.2% | 106 |
| Zambezi | 3 | 1.5% | 200 |
| Southern | 4 | 4.7% | 86 |
| Choma | 2 | 3.9% | 51 |
| Monze | 2 | 5.7% | 35 |
| Western | 19 | 2.8% | 667 |
| Kalabo | 5 | 2.6% | 193 |
| Kaoma | 6 | 3.8% | 157 |
| Mongu | 5 | 4.0% | 125 |
| Shangombo | 3 | 1.6% | 192 |
| CHILD STUNTING STATUS | | | |
| Normal height | 229 | 10.0% | 2,283 |
| Moderately stunted | 65 | 8.9% | 733 |
| Severely stunted | 28 | 7.3% | 386 |
| Total | 322 | 9.5% | 3,402 |

Table 31. Indicator 25 – % of HHs practicing correct use of water treatment technologies

| | Number | Total No. HHs treating water | Percent |
|---|--------|------------------------------|---------|
| SAFE WATER TREATMENT PROCEDURE | | | |
| Boil it | 250 | 445 | 56.2% |
| Ceramic/Sand/other water filter | 4 | 445 | 0.9% |
| Add bleach or chlorine | 229 | 445 | 51.5% |
| Use disinfectant powder | 1 | 445 | 0.2% |
| Use solar disinfection | 2 | 445 | 0.5% |
| UNSAFE WATER TREATMENT PROCEDURE | | | |
| Let it stand and settle | 17 | 445 | 3.8% |
| Pour it through a cloth | 11 | 445 | 2.5% |
| Other | 0 | 445 | 0 |

Table 32. Indicator 26 – % of HHs practicing correct storage of treated water by demographic characteristics and stunting and diarrhoea status

| Variable | Number | Total No. in sample | Percent |
|-----------------------|--------|---------------------|---------|
| REGION | | | |
| Rural | 245 | 254 | 96.5% |
| Urban | 69 | 70 | 98.6% |
| Total | 314 | 324 | 96.9% |
| HOUSEHOLD SIZE | | | |
| ≤ 5 | 141 | 145 | 97.2% |
| 5-10 | 159 | 165 | 96.4% |
| 10+ | 14 | 14 | 100.0% |
| Total | 314 | 324 | 96.9% |
| GEO-LOCATION | | | |
| National | 314 | 324 | 96.9% |
| Central | 23 | 24 | 95.8% |
| Chibombo | 4 | 4 | 100.0% |
| Kabwe | 1 | 1 | 100.0% |
| Kapiri | 16 | 16 | 100.0% |
| Mumbwa | 2 | 3 | 66.7% |
| Copperbelt | 12 | 12 | 100.0% |
| Kitwe | 2 | 2 | 100.0% |
| Ndola | 10 | 10 | 100.0% |
| Eastern | 44 | 46 | 95.7% |
| Chipata | 7 | 7 | 100% |
| Katete | 9 | 11 | 81.8% |
| Lundazi | 15 | 15 | 100.0% |
| Petauke | 13 | 13 | 100.0% |
| Luapula | 46 | 47 | 97.9% |
| Mansa | 26 | 26 | 100.0% |
| Nchelenge | 4 | 4 | 100.0% |
| Samfya | 16 | 17 | 94.1% |
| Lusaka | - | - | - |
| Lusaka | - | - | - |

| Variable | Number | Total No. in sample | Percent |
|---|--------|---------------------|---------|
| Muchinga | 60 | 63 | 95.2% |
| Chinsali | 21 | 23 | 91.3% |
| Isoka | 12 | 12 | 100.0% |
| Mpika | 27 | 28 | 96.4% |
| Northern | 82 | 83 | 98.8% |
| Kaputa | 5 | 5 | 100.0% |
| Kasama | 20 | 20 | 100.0% |
| Luwingu | 23 | 23 | 100.0% |
| Mbala | 34 | 35 | 97.1% |
| North-Western | 26 | 26 | 100.0% |
| Mwinilunga | 9 | 9 | 100.0% |
| Solwezi | 14 | 14 | 100.0% |
| Zambezi | 3 | 3 | 100.0% |
| Southern | 4 | 4 | 100.0% |
| Choma | 2 | 2 | 100.0% |
| Monze | 2 | 2 | 100.0% |
| Western | 17 | 19 | 89.5% |
| Kalabo | 4 | 5 | 80.0% |
| Kaoma | 5 | 6 | 83.3% |
| Mongu | 5 | 5 | 100.0% |
| Shangombo | 3 | 3 | 100.0% |
| CHILD STUNTING STATUS | | | |
| Normal height | 219 | 227 | 96.5% |
| Moderately stunted | 63 | 65 | 96.9% |
| Severely stunted | 28 | 28 | 100.0% |
| Total | 310 | 320 | 96.9% |
| CHILD HAD DIARRHEA IN LAST 2 WEEKS | | | |
| Yes | 91 | 93 | 97.8% |
| No | 223 | 231 | 96.5% |
| Total | 314 | 324 | 96.9% |

Table 33. Indicator 26 – % of HH practicing correct storage of treated water

| | Number | Total No. HH in Sample | Percent |
|--|--------|------------------------|---------|
| SAFE STORAGE OF TREATED WATER | | | |
| Bucket/container with a lid | 314 | 324 | 96.9% |
| UNSAFE STORAGE OF TREATED WATER | | | |
| Bucket/container without a lid | 10 | 324 | 3.1% |

Table 34. Indicator 29 – % of HHs with access to basic sanitation by demographic characteristics and stunting and diarrhoea status

| Variable | Number | Total No. in sample | Percent |
|---------------|--------|---------------------|---------|
| REGION | | | |
| Rural | 581 | 5,113 | 11.4% |

| Variable | Number | Total No. in sample | Percent |
|-----------------------|--------|---------------------|---------|
| Urban | 956 | 2,373 | 40.3% |
| Total | 1,537 | 7,486 | 20.5% |
| HOUSEHOLD SIZE | | | |
| ≤ 5 | 725 | 3,463 | 20.9% |
| 5-10 | 734 | 3,657 | 20.1% |
| 10+ | 78 | 366 | 21.3% |
| Total | 1,537 | 7,486 | 20.5% |
| GEO-LOCATION | | | |
| National | 1,537 | 7,486 | 20.5% |
| Central | 231 | 998 | 23.1% |
| Chibombo | 51 | 249 | 20.5% |
| Kabwe | 110 | 250 | 44.0% |
| Kapiri | 56 | 249 | 22.5% |
| Mumbwa | 14 | 250 | 5.6% |
| Copperbelt | 322 | 500 | 64.4% |
| Kitwe | 164 | 250 | 65.6% |
| Ndola | 158 | 250 | 63.2% |
| Eastern | 182 | 995 | 18.3% |
| Chipata | 51 | 247 | 20.6% |
| Katete | 62 | 250 | 24.8% |
| Lundazi | 42 | 249 | 16.9% |
| Petauke | 27 | 249 | 10.8% |
| Luapula | 97 | 749 | 13.0% |
| Mansa | 45 | 250 | 18.0% |
| Nchelenge | 17 | 249 | 6.8% |
| Samfya | 35 | 250 | 14.0% |
| Lusaka | 108 | 250 | 43.2% |
| Lusaka | 108 | 250 | 43.2% |
| Muchinga | 91 | 750 | 12.1% |
| Chinsali | 20 | 250 | 8.0% |
| Isoka | 56 | 250 | 22.4% |
| Mpika | 15 | 250 | 6.0% |
| Northern | 163 | 1,000 | 16.3% |
| Kaputa | 66 | 250 | 26.4% |
| Kasama | 29 | 250 | 11.6% |
| Luwingu | 26 | 250 | 10.4% |
| Mbala | 42 | 250 | 16.8% |
| North-Western | 104 | 749 | 13.9% |
| Mwinilunga | 13 | 249 | 5.2% |
| Solwezi | 63 | 250 | 25.2% |
| Zambezi | 28 | 250 | 11.2% |
| Southern | 124 | 497 | 24.9% |
| Choma | 67 | 247 | 27.1% |
| Monze | 57 | 250 | 22.8% |
| Western | 115 | 998 | 11.5% |
| Kalabo | 24 | 249 | 9.6% |
| Kaoma | 49 | 250 | 19.6% |

| Variable | Number | Total No. in sample | Percent |
|---|--------|---------------------|---------|
| Mongu | 35 | 249 | 14.1% |
| Shangombo | 7 | 250 | 2.8% |
| CHILD STUNTING STATUS | | | |
| Normal height | 1,169 | 5,167 | 22.6% |
| Moderately stunted | 248 | 1,495 | 16.6% |
| Severely stunted | 104 | 740 | 14.1% |
| Total | 1,521 | 7,402 | 20.5% |
| CHILD HAD DIARRHEA IN LAST 2 WEEKS | | | |
| Yes | 454 | 2,583 | 17.6% |
| No | 1,081 | 4,896 | 22.1% |
| Total | 1535 | 7,479 | 20.5% |

Table 35. Indicator 29 – No. people with access to basic sanitation (based on Table 34 and HH size) by demographic characteristics

| Variable | Number | Total Population in Sample | Percent of Total Population in Sample |
|-----------------------|--------|----------------------------|---------------------------------------|
| REGION | | | |
| Rural | 3,637 | 31,787 | 11.4% |
| Urban | 5,715 | 14,102 | 40.5% |
| Total | 9,352 | 45,889 | 20.4% |
| HOUSEHOLD SIZE | | | |
| ≤ 5 | 2,992 | 14,146 | 21.2% |
| 5-10 | 5,406 | 27,232 | 19.9% |
| 10+ | 954 | 4,511 | 21.1% |
| Total | 9,352 | 45,889 | 20.4% |
| GEO-LOCATION | | | |
| National | 9,352 | 45,889 | 20.4% |
| Central | 1,417 | 6,247 | 22.7% |
| Chibombo | 323 | 1,562 | 20.7% |
| Kabwe | 683 | 1,438 | 47.5% |
| Kapiri | 328 | 1,531 | 21.4% |
| Mumbwa | 83 | 1,716 | 4.8% |
| Copperbelt | 1,866 | 2,883 | 64.7% |
| Kitwe | 980 | 1,467 | 66.8% |
| Ndola | 886 | 1,416 | 62.6% |
| Eastern | 1,117 | 5,987 | 18.7% |
| Chipata | 304 | 1,442 | 21.1% |
| Katete | 386 | 1,494 | 25.8% |
| Lundazi | 250 | 1,508 | 16.6% |
| Petauke | 177 | 1,543 | 11.5% |
| Luapula | 610 | 4,727 | 12.9% |
| Mansa | 273 | 1,558 | 17.5% |
| Nchelenge | 111 | 1,615 | 6.9% |
| Samfya | 226 | 1,554 | 14.5% |
| Lusaka | 600 | 1,401 | 42.8% |

| Variable | Number | Total Population in Sample | Percent of Total Population in Sample |
|----------------------|--------|----------------------------|---------------------------------------|
| Lusaka | 600 | 1,401 | 42.8% |
| Muchinga | 536 | 4,405 | 12.2% |
| Chinsali | 112 | 1,449 | 7.7% |
| Isoka | 320 | 1,398 | 22.9% |
| Mpika | 104 | 1,558 | 6.7% |
| Northern | 1,028 | 6,152 | 16.7% |
| Kaputa | 422 | 1,706 | 24.7% |
| Kasama | 183 | 1,509 | 12.1% |
| Luwingu | 178 | 1,472 | 12.1% |
| Mbala | 245 | 1,465 | 16.7% |
| North-Western | 658 | 4,816 | 13.7% |
| Mwinilunga | 94 | 1,645 | 5.7% |
| Solwezi | 389 | 1,581 | 24.6% |
| Zambezi | 175 | 1,590 | 11.0% |
| Southern | 748 | 3,140 | 23.8% |
| Choma | 412 | 1,525 | 27.0% |
| Monze | 336 | 1,615 | 20.8% |
| Western | 772 | 6,131 | 12.6% |
| Kalabo | 168 | 1,528 | 11.0% |
| Kaoma | 313 | 1,626 | 19.2% |
| Mongu | 237 | 1,511 | 15.7% |
| Shangombo | 54 | 1,466 | 3.7% |

Table 36. Indicator 29 – HH sanitation services

| | Number of HH | Total No. in sample | Percent of HH |
|---|--------------|---------------------|---------------|
| ACCESS TO SANITATION | | | |
| Flush or pour toilet connected to a sewage system/septic tank | 835 | 7,486 | 11.2% |
| Pit latrines with slab | 2,192 | 7,486 | 29.3% |
| Ventilated improved pit latrine with slab | 80 | 7,486 | 1.1% |
| Composting toilet | 8 | 7,486 | 0.1% |
| NO ACCESS TO SANITATION | | | |
| Bucket | 2 | 7,486 | 0.0% |
| Open defecation | 1,114 | 7,486 | 14.9% |
| Pit latrines without slab | 3,343 | 7,486 | 44.7% |
| Other | 90 | 7,486 | 1.2% |

Table 37. Indicator 30 – % of children exposed to environmental animal waste in play areas by key demographic characteristics and child stunting and diarrhoea status

| Variable | Number | Total No. in sample | Percent |
|---------------|--------|---------------------|---------|
| GENDER | | | |
| Male | 1,472 | 3,053 | 48.2% |
| Female | 1,415 | 2,862 | 49.4% |
| Total | 2,887 | 5,915 | 48.8% |

| Variable | Number | Total No. in sample | Percent |
|-----------------------|--------|---------------------|---------|
| REGION | | | |
| Rural | 2,560 | 4,014 | 63.8% |
| Urban | 327 | 1,901 | 17.2% |
| Total | 2,887 | 5,915 | 48.8% |
| HOUSEHOLD SIZE | | | |
| ≤ 5 | 1,249 | 2,793 | 44.7% |
| 5-10 | 1,473 | 2,849 | 51.7% |
| 10+ | 165 | 273 | 60.4% |
| Total | 2,887 | 5,915 | 48.8% |
| GEO-LOCATION | | | |
| National | 2,887 | 5,915 | 48.8% |
| Central | 347 | 698 | 49.7% |
| Chibombo | 100 | 177 | 56.5% |
| Kabwe | 25 | 175 | 14.3% |
| Kapiri | 86 | 167 | 51.5% |
| Mumbwa | 136 | 179 | 76.0% |
| Copperbelt | 67 | 422 | 15.9% |
| Kitwe | 31 | 229 | 13.5% |
| Ndola | 36 | 193 | 18.7% |
| Eastern | 424 | 682 | 62.2% |
| Chipata | 91 | 164 | 55.5% |
| Katete | 122 | 178 | 68.5% |
| Lundazi | 106 | 171 | 62.0% |
| Petauke | 105 | 169 | 62.1% |
| Luapula | 326 | 681 | 47.9% |
| Mansa | 92 | 234 | 39.3% |
| Nchelenge | 122 | 212 | 57.5% |
| Samfya | 112 | 235 | 47.7% |
| Lusaka | 5 | 178 | 2.8% |
| Lusaka | 5 | 178 | 2.8% |
| Muchinga | 256 | 579 | 44.2% |
| Chinsali | 91 | 196 | 46.4% |
| Isoka | 84 | 185 | 45.4% |
| Mpika | 81 | 198 | 40.9% |
| Northern | 356 | 867 | 41.1% |
| Kaputa | 94 | 197 | 47.7% |
| Kasama | 76 | 234 | 32.5% |
| Luwingu | 95 | 238 | 39.9% |
| Mbala | 91 | 198 | 46.0% |
| North-Western | 328 | 695 | 47.2% |
| Mwinilunga | 142 | 230 | 61.7% |
| Solwezi | 37 | 234 | 15.8% |
| Zambezi | 149 | 231 | 64.5% |
| Southern | 267 | 359 | 74.4% |
| Choma | 112 | 176 | 63.6% |
| Monze | 155 | 183 | 84.7% |

| Variable | Number | Total No. in sample | Percent |
|---|--------|---------------------|---------|
| Western | 511 | 754 | 67.8% |
| Kalabo | 138 | 188 | 73.4% |
| Kaoma | 133 | 185 | 71.9% |
| Mongu | 90 | 185 | 48.6% |
| Shangombo | 150 | 196 | 76.5% |
| CHILD STUNTING STATUS | | | |
| Normal height | 1,879 | 4,001 | 47.0% |
| Moderately stunted | 681 | 1,264 | 53.9% |
| Severely stunted | 311 | 614 | 50.7% |
| Total | 2,871 | 5,879 | 48.8% |
| CHILD HAD DIARRHEA IN LAST 2 WEEKS | | | |
| Yes | 1,219 | 2,270 | 53.7% |
| No | 1,667 | 3,641 | 45.8% |
| Total | 2,886 | 5,911 | 48.8% |

Table 38. Indicator 31 – % of HHs with soap and water at a handwashing station used by family members by demographic characteristics and child stunting and diarrhoea status

| Variable | Number | Total No. in sample | Percent |
|-----------------------|--------|---------------------|---------|
| REGION | | | |
| Rural | 406 | 5,113 | 7.9% |
| Urban | 690 | 2,373 | 29.1% |
| Total | 1,096 | 7,486 | 14.6% |
| HOUSEHOLD SIZE | | | |
| ≤ 5 | 503 | 3,463 | 14.5% |
| 5-10 | 547 | 3,657 | 15.0% |
| 10+ | 46 | 366 | 12.6% |
| Total | 1,096 | 7,486 | 14.6% |
| GEO-LOCATION | | | |
| National | 1,096 | 7,486 | 14.6% |
| Central | 204 | 998 | 20.4% |
| Chibombo | 46 | 249 | 18.5% |
| Kabwe | 82 | 250 | 32.8% |
| Kapiri | 58 | 249 | 23.3% |
| Mumbwa | 18 | 250 | 7.2% |
| Copperbelt | 188 | 500 | 37.6% |
| Kitwe | 64 | 250 | 25.6% |
| Ndola | 124 | 250 | 49.6% |
| Eastern | 86 | 995 | 8.6% |
| Chipata | 22 | 247 | 8.9% |
| Katete | 17 | 250 | 6.8% |
| Lundazi | 30 | 249 | 12.0% |
| Petauke | 17 | 249 | 6.8% |
| Luapula | 101 | 749 | 13.5% |
| Mansa | 27 | 250 | 10.8% |
| Nchelenge | 64 | 249 | 25.7% |

| Variable | Number | Total No. in sample | Percent |
|---|--------|---------------------|---------|
| Samfya | 10 | 250 | 4.0% |
| Lusaka | 76 | 250 | 30.4% |
| Lusaka | 76 | 250 | 30.4% |
| Muchinga | 68 | 750 | 9.1% |
| Chinsali | 21 | 250 | 8.4% |
| Isoka | 33 | 250 | 13.2% |
| Mpika | 14 | 250 | 5.6% |
| Northern | 85 | 1,000 | 8.5% |
| Kaputa | 37 | 250 | 14.8% |
| Kasama | 13 | 250 | 5.2% |
| Luwingu | 15 | 250 | 6.0% |
| Mbala | 20 | 250 | 8.0% |
| North-Western | 123 | 749 | 16.4% |
| Mwinilunga | 11 | 249 | 4.4% |
| Solwezi | 79 | 250 | 31.6% |
| Zambezi | 33 | 250 | 13.2% |
| Southern | 77 | 497 | 15.5% |
| Choma | 43 | 247 | 17.4% |
| Monze | 34 | 250 | 13.6% |
| Western | 88 | 998 | 8.8% |
| Kalabo | 13 | 249 | 5.2% |
| Kaoma | 16 | 250 | 6.4% |
| Mongu | 51 | 249 | 20.5% |
| Shangombo | 8 | 250 | 3.2% |
| CHILD STUNTING STATUS | | | |
| Normal height | 822 | 5,167 | 15.9% |
| Moderately stunted | 182 | 1,495 | 12.2% |
| Severely stunted | 82 | 740 | 11.1% |
| Total | 1,086 | 7,402 | 14.7% |
| CHILD HAD DIARRHEA IN LAST 2 WEEKS | | | |
| Yes | 341 | 2,583 | 13.2% |
| No | 754 | 4,896 | 15.4% |
| Total | 1095 | 7,479 | 14.6% |

Table 39. Indicator 31 – Handwashing station characteristics

| | Number of HH | Total No. HH in Sample | Percent of HH in sample |
|---|--------------|------------------------|-------------------------|
| HANDWASHING INFRASTRUCTURES | | | |
| Tippy tap | 494 | 2,823 | 17.5% |
| Bucket with tap | 182 | 2,823 | 6.4% |
| Jug | 655 | 2,823 | 23.2% |
| Basin | 1,981 | 2,823 | 70.2% |
| Sink | 398 | 2,823 | 14.1% |
| ALTERNATIVE HANDWASHING STATIONS | | | |
| Yes | 368 | 2,823 | 13.0% |
| No | 2,455 | 2,823 | 87.0% |
| WATER AVAILABLE | | | |
| Yes | 2,024 | 2,823 | 71.7% |
| No | 799 | 2,823 | 28.3% |
| SOAP AVAILABLE | | | |
| Within 1 minute | 1,438 | 2,823 | 50.9% |
| More than 1 minutes | 147 | 2,823 | 5.2% |
| Not available | 1,238 | 2,823 | 43.8% |

Table 40. Indicator 32 – % of HHs with clean latrines, including covers, by demographic characteristics and child stunting and diarrhoea status

| Variable | Number | Total No. with latrines | Percent |
|-----------------------|--------|-------------------------|---------|
| REGION | | | |
| Rural | 541 | 3,878 | 14.0% |
| Urban | 201 | 1,536 | 13.1% |
| Total | 742 | 5,414 | 13.7% |
| HOUSEHOLD SIZE | | | |
| ≤ 5 | 317 | 2,409 | 13.2% |
| 5-10 | 381 | 2,712 | 14.0% |
| 10+ | 44 | 293 | 15.0% |
| Total | 742 | 5,414 | 13.7% |
| GEO-LOCATION | | | |
| National | 742 | 5,414 | 13.7% |
| Central | 112 | 785 | 14.3% |
| Chibombo | 44 | 203 | 21.7% |
| Kabwe | 36 | 167 | 21.6% |
| Kapiri | 22 | 189 | 11.6% |
| Mumbwa | 10 | 226 | 4.4% |
| Copperbelt | 19 | 193 | 9.8% |
| Kitwe | 11 | 97 | 11.3% |
| Ndola | 8 | 96 | 8.3% |
| Eastern | 154 | 812 | 19.0% |
| Chipata | 36 | 205 | 17.6% |
| Katete | 53 | 207 | 25.6% |
| Lundazi | 41 | 200 | 20.5% |
| Petauke | 24 | 200 | 12.0% |

| Variable | Number | Total No. with latrines | Percent |
|---|--------|-------------------------|---------|
| Luapula | 71 | 630 | 11.3% |
| Mansa | 27 | 211 | 12.8% |
| Nchelenge | 9 | 197 | 4.6% |
| Samfya | 35 | 222 | 15.8% |
| Lusaka | 10 | 145 | 6.9% |
| Lusaka | 10 | 145 | 6.9% |
| Muchinga | 49 | 610 | 8.0% |
| Chinsali | 11 | 192 | 5.7% |
| Isoka | 30 | 196 | 15.3% |
| Mpika | 8 | 222 | 3.6% |
| Northern | 124 | 877 | 14.1% |
| Kaputa | 66 | 240 | 27.5% |
| Kasama | 12 | 215 | 5.6% |
| Luwingu | 24 | 220 | 10.9% |
| Mbala | 22 | 202 | 10.9% |
| North-Western | 35 | 606 | 5.8% |
| Mwinilunga | 5 | 222 | 2.3% |
| Solwezi | 9 | 189 | 4.8% |
| Zambezi | 21 | 195 | 10.8% |
| Southern | 81 | 333 | 24.3% |
| Choma | 42 | 172 | 24.4% |
| Monze | 39 | 161 | 24.2% |
| Western | 87 | 423 | 20.6% |
| Kalabo | 14 | 54 | 25.9% |
| Kaoma | 49 | 188 | 26.1% |
| Mongu | 18 | 114 | 15.8% |
| Shangombo | 6 | 67 | 9.0% |
| CHILD STUNTING STATUS | | | |
| Normal height | 507 | 3,648 | 13.9% |
| Moderately stunted | 157 | 1,142 | 13.7% |
| Severely stunted | 69 | 566 | 12.2% |
| Total | 733 | 5,356 | 13.7% |
| CHILD HAD DIARRHEA IN LAST 2 WEEKS | | | |
| Yes | 243 | 1,882 | 12.9% |
| No | 497 | 3,525 | 14.1% |
| Total | 740 | 5,407 | 13.7% |

Table 41. Indicator 32 – Latrine characteristics

| Variable | Number | Total No. HH in Sample | Percent |
|----------------------------|--------|------------------------|---------|
| LATRINE IS CLEAN | | | |
| Yes | 3,485 | 6,215 | 56.1% |
| No | 2,730 | 6,215 | 43.9% |
| LATRINE HAS A COVER | | | |
| Yes | 1,381 | 6,215 | 22.2% |
| No | 4,834 | 6,215 | 77.8% |

| Variable | Number | Total No. HH in Sample | Percent |
|--|--------|------------------------|---------|
| LATRINE IS USED | | | |
| Yes | 6,155 | 6,215 | 99.0% |
| No | 60 | 6,215 | 1.0% |
| LATRINE IS ACCESSIBLE | | | |
| Yes | 5,677 | 6,215 | 91.3% |
| No | 538 | 6,215 | 8.7% |
| LATRINE AFFORDS PRIVACY | | | |
| Yes | 4,469 | 6,215 | 71.9% |
| No | 1,746 | 6,215 | 28.1% |
| LATRINE IS FULL | | | |
| Yes | 560 | 6,215 | 9.0% |
| No | 5,655 | 6,215 | 91.0% |
| HANDWASHING WITHIN 3 METERS OF THE TOILET | | | |
| Yes | 1,299 | 6,215 | 20.9% |
| No | 4,916 | 6,215 | 79.1% |

Annex 4. KII Data Tables

Table 42. Sampled Districts

| District | Province | SUN Phase | Number of participants |
|----------|------------|-----------|------------------------|
| Chinsali | Muchinga | 1 | 6 |
| Kasama | Northern | 1 | 8 |
| Lundazi | Eastern | 1 | 6 |
| Chibombo | Central | 2 | 7 |
| Choma | Southern | 2 | 11 |
| Chongwe | Lusaka | 2 | 2 |
| Kitwe | Copperbelt | 2 | 4 |
| Ndola | Copperbelt | 2 | 7 |

Table 43. Respondent Characteristics

| Participant Characteristics (n=51) | | # | % |
|------------------------------------|---|----|----|
| Sector | Agriculture | 9 | 18 |
| | Livestock and fisheries | 6 | 12 |
| | Community development & social services | 10 | 19 |
| | Health | 8 | 16 |
| | Education | 5 | 10 |
| | WASH | 5 | 10 |
| | Local government | 4 | 8 |
| | Multi-sectoral (NGO) | 4 | 8 |
| Level | District | 31 | 61 |
| | Provincial | 20 | 39 |
| SUN Phase | Two | 31 | 61 |
| | One | 20 | 39 |
| Gender | Male | 26 | 51 |
| | Female | 25 | 49 |

Table 44. Respondent perceptions of nutrition coordinating committee

| Partnership and coordination | Sun 1.0 (n=20) | Sun 2.0 (n=31) | Total (n=51) |
|--|-------------------|-------------------|-----------------|
| Percent of respondents who agree with each statement | | | |
| There is a coordinating committee in their geographic area | 75% | 61% | 67% |
| With a secretariat | 90% | 59% | 71% |
| Meetings are held regularly | 45% | 46% | 46% |
| Meeting minutes are shared | 85% | 52% | 65% |
| There is a shared work plan | 40% | 48% | 45% |
| Committee has terms of reference | 65% | 55% | 59% |
| Understand their institution's role | 80% | 52% | 63% |
| Very or somewhat satisfied with how decisions made by the committee | 77% | 45% | 57% |
| One integrated nutrition plan for nutrition in their geographic area | 65% | 29% | 43% |
| Active in the development of nutrition plan | 65% | 32% | 45% |
| Meets quarterly with others about nutrition | 70% | 54% | 61% |
| Rate committee positively for effect on women's and children's nutrition** | 40% | 33% | 36% |

Table 45. Mean respondent rating of nutrition intervention implementation

| Nutrition Interventions | Sun 1.0 (n=20) | Sun 2.0 (n=31) |
|---|-------------------|-------------------|
| Mean (SE): Scale of 1-5 (1: Excellent, 5: Poor) | | |
| Vitamin A Supplementation | 1.83 (0.51) | 2.12 (1.05) |
| Iron/Folic Acid Supplementation for Pregnant Women | 1.80 (0.77) | 2.08 (1.10) |
| Breastfeeding Promotion | 1.82 (0.88) | 2.17 (1.07) |
| Complementary Feeding Promotion | 2.19 (0.98) | 2.72 (1.21) |
| Growth Monitoring and Promotion | 2.25 (1.24) | 2.31 (1.05) |
| Promotion of Diverse Diets including Fish and Livestock Consumption | 2.65 (0.86) | 2.79 (1.25) |
| Promotion of Consumption of Nutrient Dense Crops | 2.94 (1.24) | 3.29 (1.20) |
| Water and Sanitation Programs (WASH) | 2.39 (1.09) | 3.26 (1.20) |

Table 46. Respondent rating of implementation of nutrition interventions

| Nutrition Interventions | Rating | Sun 1.0 (n=20) | Sun 2.0 (n=31) | Total (n=51) |
|--|----------------|-------------------|-------------------|-----------------|
| Respondent ratings of implementation of nutrition interventions | | | | |
| Vitamin A Supplementation | Excellent/Good | 85% | 59% | 69% |
| | Poor | 0% | 3% | 2% |
| | Don't Know | 10% | 14% | 12% |
| Iron/Folic Acid Supplementation for Pregnant Women | Excellent/Good | 70% | 60% | 64% |
| | Poor | 0% | 3% | 2% |
| | Don't Know | 25% | 20% | 21% |
| Breastfeeding Promotion | Excellent/Good | 70% | 57% | 62% |
| | Poor | 0% | 3% | 2% |
| | Don't Know | 15% | 23% | 20% |
| Complementary Feeding Promotion | Excellent/Good | 60% | 40% | 48% |
| | Poor | 5% | 7% | 6% |
| | Don't Know | 20% | 17% | 18% |
| Growth Monitoring and Promotion | Excellent/Good | 60% | 58% | 59% |
| | Poor | 10% | 3% | 6% |
| | Don't Know | 20% | 16% | 18% |
| Promotion of Diverse Diets (including animal source foods) | Excellent/Good | 45% | 33% | 38% |
| | Poor | 5% | 10% | 8% |
| | Don't Know | 15% | 20% | 18% |
| Water, Sanitation and Hygiene Programs (WASH) | Excellent/Good | 65% | 27% | 42% |
| | Poor | 10% | 20% | 16% |
| | Don't Know | 10% | 10% | 10% |
| Promotion of Consumption of Nutrient Dense Crops | Excellent/Good | 45% | 23% | 32% |
| | Poor | 15% | 17% | 16% |
| | Don't Know | 20% | 20% | 20% |

Table 47. National nutrition program, nutrition policies, and support

| Nutrition program, policies and support | Sun 1.0 (n=20) | Sun 2.0 (n=31) | Total (n=51) |
|--|-------------------|-------------------|-----------------|
| Percent of respondents who agree | | | |
| Nutrition program receives at least some political support | 90% | 61% | 73% |
| National nutrition program has a clear vision | 60% | 55% | 57% |
| Guidelines, operating procedures are available for implementation of nutrition interventions | 60% | 35% | 45% |
| There are adequate policies to address nutrition | 50% | 29% | 37% |
| Have access to advocacy and communication materials on the nutrition policy | 60% | 23% | 37% |

Table 48. Funds needed for nutrition interventions in order for nutrition policies to reduce stunting

| Recommendation on financial and human resources to improve SUN implementation | Sun 1.0 (n=20) | Sun 2.0 (n=31) | Total (n=51) |
|--|-------------------|-------------------|-----------------|
| Percent of respondents who agree | | | |
| Increase the accountability of resources allocated to nutrition | 90% | 68% | 76% |
| Increase the allocation of resources to nutrition | 65% | 74% | 71% |
| Increase the staffing of nutrition officers at the service delivery point | 70% | 61% | 65% |
| Improve the targeting of funds to specific vulnerable groups (i.e. women and children) | 70% | 63% | 63% |

Table 49. Ways MCDP I could have been better implemented

| | Sun 1.0 (n=20) | Sun 2.0 (n=31) | Total (n=51) |
|---|-------------------|-------------------|-----------------|
| Ways MCDP I could have been better implemented | | | |
| Improved funding | 85% | 29% | 51% |
| Improved coordination | 50% | 39% | 43% |
| Improved planning | 60% | 29% | 41% |
| Improved nutrition intervention delivery | 55% | 26% | 37% |
| Don't know | 5% | 32% | 22% |

Annex 5. Indicator Definitions and Calculation Methods

Table 50. - List of indicator definitions

| Ind. # | Indicator name | Variable name | Analytical approach | Indicator calculation |
|--------|--|------------------------------|---|--|
| 1 | Percentage of children under age two who are stunted | Height-for age Z-score (HAZ) | <p>Responses and measurements from these questions were imported into the WHO AnthroPlus software and used for calculating HAZ scores. These scores were further categorized as follows:</p> <p>0=Normal – not stunted 1=Moderate stunting (-2SD > HAZ ≥ -3SD) 2=Severe stunting (HAZ < -3SD)</p> <p>Also, a binary variable was created for global stunting (0 for not stunted and 1 for stunted)</p> | <p>Numerator: Number of children with moderate and severe stunting (HAZ < -2SD)</p> <p>Denominator: Number of children under 24 months old</p> |
| 2 | Percentage of women with low BMI (by age) | Body Mass Index | <p>The heights collected in cm were converted to meters by dividing by 10. BMI was calculated using the formula below:</p> $BMI = \frac{Weight(kg)}{Height(m)^2}$ <p>BMI was further categorized as follows:</p> <p>1=Moderate/severe thinness (BMI <17.0) 2=Underweight (17 ≤ BMI < 18.5) 3= Normal (18.5 ≤ BMI < 24.99) 4=Overweight (25 ≤ BMI < 30) 5=Obese (BMI ≥ 30)</p> | <p>Numerator: Number of women of reproductive age with BMI less than 18.5</p> <p>Denominator: Number of women of reproductive age (15- 49 years old)</p> |

| Ind. # | Indicator name | Variable name | Analytical approach | Indicator calculation |
|--------|---|------------------------------|--|---|
| 3 | % of children 0-24 months who are underweight | Weight-for-age Z-score (WAZ) | <p>Responses and measurements from these questions were imported into the WHO AnthroPlus software and used for calculating WAZ scores. These scores were further categorized as follows:</p> <p>0=Overweight ($WAZ > +2SD$) 1=Normal ($+2SD \geq WAZ \geq -2SD$) 2=Moderate underweight ($-2SD > WAZ \geq -3SD$) 3=Severe underweight ($WAZ < -3SD$)</p> <p>A binary variable was also created for global stunting (0 for normal weight and 1 for underweight)</p> <p>Subsequently, a new variable recording the number of children severely malnourished with oedema was generated.</p> | <p>Numerator: Number of children with moderate and severe underweight ($WAZ < -2SD$)</p> <p>Denominator: Number of children 0-24 months old</p> |
| 3 | % of children 0-24 months who are wasted | Weigh-for-height (WHZ) | <p>Responses and measurements from these questions were imported into the WHO AnthroPlus software and used for calculating WHZ scores. These scores were further categorized as follows:</p> <p>0=Overweight ($WHZ > +2SD$) 1=Normal ($+2SD \geq WHZ \geq -2SD$) 2=Moderate underweight ($-2SD > WHZ \geq -3SD$) 3=Severe underweight ($WHZ < -3SD$)</p> <p>Also, a binary variable was created for global stunting (0 for normal weight and 1 for wasting)</p> | <p>Numerator: Number of children with moderate and severe underweight ($WHZ < -2SD$)</p> <p>Denominator: Number of children 0-24 months old</p> |

| Ind. # | Indicator name | Variable name | Analytical approach | Indicator calculation |
|--------|--|---|---|---|
| 4 | Number of children under age 2 reached with community-level nutrition-specific interventions | The reach of community-level nutrition-specific interventions | <p>A child was counted for this indicator if:</p> <ul style="list-style-type: none"> • The child was less than 6 months and had received 90% of the following: <ul style="list-style-type: none"> ○ Growth monitoring; ○ The mother received iron and folic acid during pregnancy as well as SBCC messages on diet during pregnancy, diet while breastfeeding, feeding the sick child and exclusive breastfeeding • The child was 6-24 months and had received 90% of the following: <ul style="list-style-type: none"> ○ Growth monitoring ○ Deworming ○ Vitamin A ○ The mother received iron and folic acid during pregnancy as well as SBCC messages on diet during pregnancy, diet while breastfeeding, feeding the sick child, exclusive breastfeeding and complementary feeding | Number of children reached with 90% of community level nutrition-specific interventions based on their age group. |
| 5 | Percentage of HHs with moderate or severe hunger | Household hunger scale (HHS) | <p>All HHs who responded "no" to the question on occurrence of a hunger measure assigned a score of "0" for the frequency of occurrence of that measure. The guidelines provided in page 21 of the <i>Household Food Insecurity Access Scale (HFIAS) for Measurement of Food Access: Indicator Guide</i>⁹ was used to classify households as:</p> <p>1=Food secure 2=Mildly food secure 3=Moderately food insecure 4=Severely food insecure</p> | <p>Numerator: Number of households with moderate and severe hunger</p> <p>Denominator: Number of households</p> |

⁹ http://www.fao.org/fileadmin/user_upload/eufao-fsi4dm/doc-training/hfias.pdf

| Ind. # | Indicator name | Variable name | Analytical approach | Indicator calculation |
|--------|--|---|--|--|
| 6 | Prevalence of HHS practicing safe food processing/preparation/improved storage practice | Food handling | <p>A score of “0 = unsafe” or “1 = safe” was generated for each sub-domain (processing, preparation and storage) based on USDA’s Basics for Handling Food safely¹⁰.</p> <ul style="list-style-type: none"> • Food processing includes steps required before cooking and/or eating food and fruits, such as washing fruits, dealing with mouldy food and washing hands and kitchen utensils before cooking. • Preparation includes cooking methods for tender meat products. • Storage was considered in terms of where the food was stored and whether or not it was heated before eating. (Those who report not storing food were not considered for this sub-domain.) <p>For a household to be counted as safely handling food, it had to observe safe practices at all steps of food handling (i.e. food processing, preparation, and storage).</p> | <p>Numerator: Number of households meeting the criteria for handling food safely</p> <p>Denominator: Number of households</p> |
| 7 | Prevalence of women of reproductive age who consume targeted nutrient-rich value chain commodities | Value chain commodity consumption - women | <p>Women were counted if, based on the 24-hour dietary recall, she had eaten any of the following foods:</p> <ul style="list-style-type: none"> ▪ Legumes (e.g. pulses, nuts and seeds) ▪ Animal products (e.g. milk and milk products, organ meat, fish, eggs, insects and other small animal proteins) ▪ Fruits and vegetables (dark green leafy vegetables, vitamin A rich vegetables, other vegetables or fruits, and palm oil) <p>A variable was created for each food group. A woman was assigned a score of “1” for each food group she consumed and a score of “0” for each food group she did not consume. A woman was counted towards this indicator if she consumed at least one nutrient-rich value chain commodity.</p> | <p>Numerator: Number of women of reproductive age who consumed one or more nutrient-rich value chain commodity.</p> <p>Denominator: Number of women of reproductive age (15- 49 years old)</p> |
| 8 | Women's dietary diversity: mean number of food groups consumed by women of reproductive age | Women’s dietary diversity | <p>Foods with similar nutritional characteristics were grouped together as presented in Table 51. A variable was created for each food group. A woman was assigned a score of “1” for each food group she consumed and a score of “0” for each food group she did not consume. Subsequently, a variable with the total number of food groups consumed by the woman the previous day or night (maximum 10 items) was generated.</p> | <p>Numerator: Sum of all food groups consumed by women of reproductive age</p> <p>Denominator: Number of women of reproductive age (15- 49 years old)</p> |

¹⁰ https://www.fsis.usda.gov/wps/portal/fsis/topics/food-safety-education/get-answers/food-safety-fact-sheets/safe-food-handling/basics-for-handling-food-safely/ct_index

| Ind. # | Indicator name | Variable name | Analytical approach | Indicator calculation |
|--------|---|---|--|---|
| 9 | Percentage of HHs selling or bartering nutritious crops and livestock that they grew | Household production of nutritious crops/livestock for sale | A household was counted towards this indicator if they grew (and then sold or bartered) at least one nutritious food (crops and/or livestock) - as shown in Table 52 below. | Numerator: Number of households who sold/bartered nutritious food in the past 12 months Denominator: Number of households that grew food in the last 12 months |
| 10 | Percentage of households producing safe and nutritious foods (crops and livestock) for consumption | Household production of nutritious crops for consumption | The nutritious crops were grouped into two main groups – protein-rich food and micronutrient-rich vegetables and fruits - as shown in Table 52 below. A household was counted towards this indicator if it grew, and then consumed, at least one type of food from each main group (i.e. at least two nutritious foods). | Numerator: Number of households producing safe and nutritious food for consumption Denominator: Number of households |
| 11 | Percentage of HHs with a recommended diet diversity | Household Dietary Diversity Score (HDDS) | A household will be counted towards this indicator if the respondent reports that both she and the child (12-23 months) consumed a minimum of 4 different food groups the previous day. | Numerator: Number of households with recommended diet diversity Denominator: Number of households |
| 14 | Percentage of HHs reporting stronger resilience to lean season and environmental shocks (in the past 12 months) | Resilience to lean seasons and environmental shocks | This indicator was measured using FAO’s HH Coping Strategy Index (CSI) ¹¹ referencing the previous 12 months. The responses to each question are weighed as follows: 1. Using the universal weights assigned for five (5) of the 12 original hunger coping strategies 2. Comparing the remaining seven (7) CSI scores for their similarity in severity to the strategies in 1 above and assigning equivalent weights A total score was then generated at the level of each household by: • Summing up all the weights for the coping strategies used • Dividing this total by 10 (the maximum possible “reduced” CSI score) and multiplying the result by 100 Scores were then categorized as follows: • More Resilient (0-40%) • Not resilient (greater than 41%) | Numerator: Number of households with a “reduced” CSI score of 40% or less Denominator: Number of interviewed households |

¹¹ <http://www.fao.org/3/a-ae513e.pdf>

| Ind. # | Indicator name | Variable name | Analytical approach | Indicator calculation |
|--------|--|---------------------------------------|---|--|
| 15 | Percentage of HHs practicing essential hygiene actions | Essential hygiene actions | A household was counted as implementing essential hygiene actions if they had: <ol style="list-style-type: none"> 1. Access to clean drinking water (safe sources, correct treatment and storage, and adequate quantity) 2. Access to hand washing facilities, (e.g. Tippy Tap, availability of soap) 3. Access to clean latrines and environment (should include safe disposal of faeces through use of latrine, promotion of “open defecation free” (ODF) communities, safe play areas for children) | Numerator: Number of households practicing essential hygiene actions Denominator: Number of households |
| 16 | Percentage of HHs practicing essential nutrition actions | Essential nutrition actions | A household was counted as implementing essential nutrition actions if all of the following were reported: <ol style="list-style-type: none"> 1. Adequate diet during pregnancy and lactation (increased consumption during pregnancy) 2. Early initiation of breast feeding 3. Exclusive breastfeeding for 6 months 4. Continued breastfeeding 5. Introducing adequate complementary foods through diversified diet (children 6-23 months) | Numerator: Number of households practicing essential nutrition actions Denominator: Number of households where mothers were respondents |
| 17 | Percentage of children exclusively breastfed to 6 months | Exclusive breastfeeding to six months | A child was counted towards this indicator if: <ul style="list-style-type: none"> • S/he was less than 6 months and the dietary recall indicates that the s/he did not take other foods or liquids for the past 24 hours • An alternative computation was done for children less than who have not been fed with any other food or liquids, other than breast milk, since birth | Numerator: Number of children exclusively breastfed to six months Denominator: Number of children less than 6 months |

| Ind. # | Indicator name | Variable name | Analytical approach | Indicator calculation |
|--------|--|--|---|--|
| 18 | Percentage of children under 2 meeting minimal standards for infant and young child feeding (IYCF) | Standard for children and young child feeding (IYCF) | <p>Foods (from the 24-hour recall questions) were grouped into food groups as per WHO indicator assessment guidelines 2010. A variable was created for each food group. A child was assigned a score of “1” for each food group s/he consumed and a score of “0” for each group s/he did not consume.</p> <p>Children feeding practices were assessed using WHO IYCF (2010)¹² guideline. A child was considered to have reached minimal IYCF under the WHO IYCF guideline if :</p> <ul style="list-style-type: none"> • S/he was between the ages of 0-6 months and was exclusively breastfed; • S/he was between the ages of 6-23 months and consumed at least 4 food groups AND • S/he was between the ages of 6-8months, was breastfed and had at least 2 meals • S/he was between the ages of 9-23 months, was breastfed and had at least 3 meals • S/he was between the ages of 6-23 months, was not breastfed, and had at least 4 meals. | <p>Numerator: Number of children meeting minimal standards for IYCF by age category</p> <p>Denominator: Number of children under 24 months old</p> |
| 19 | Percentage of children under age 2 who had diarrhoea in the preceding two weeks. | Childhood illness (diarrhoea) | A count of the number of children with "yes" to question 96 was used to calculate the indicator. | <p>Numerator: Number of children who had diarrhoea in the past 2 weeks</p> <p>Denominator: Number of children under 24 months old</p> |
| 20 | Number of new family planning users ¹³ | Family planning | A woman was considered as a new family planning user if she reported using a modern family planning method ¹⁴ at the time of interview. Those who said “no” and those with missing values were considered as not using any family planning method. | Number of women of reproductive age (15- 49 years old) who report using family planning method(s) |

¹² World Health Organization, UNICEF, USAID, AED, UCDAVIS, IFPRI (2010). Indicators for assessing infant and young child feeding practices: Part II Measurement. Available at <https://www.who.int/nutrition/publications/infantfeeding/9789241599290/en/> accessed on 14 august 2019.

¹³ https://www.measureevaluation.org/prh/rh_indicators/family-planning/fp/number-of-acceptors-new-to-modern-contraception

¹⁴ <https://www.who.int/news-room/fact-sheets/detail/family-planning-contraception>

| Ind. # | Indicator name | Variable name | Analytical approach | Indicator calculation |
|--------|--|---|--|--|
| 21 | Percentage of children with diarrhoea in the preceding two weeks who received treatment from a health facility or provider | Adequate treatment of Childhood illness (diarrhoea) | A count of the number of children with "yes" to questions 97 was be used to calculate the indicator. | Numerator: Number of children who received treatment for diarrhoea from a health facility Denominator: Number of children who reported having diarrhoea in the past 2 weeks |
| 24 | Number of people gaining access to basic drinking water services as a result of USG assistance | Access to basic drinking water services | The baseline survey focused on access to basic drinking water irrespective of who supported the water source. A household was counted towards this indicator if its primary and alternative water sources were: <ul style="list-style-type: none"> ○ borehole ○ protected shallow well ○ harvested rainwater ○ piped water/water from public tap ○ water from protected spring, and ○ less than 30 minutes for a round trip. <p>Program data from USAID on USG water assistance, together with the baseline results, will be analysed to establish USG support to basic drinking water. However, this is not to be reported with the findings of the baseline survey.</p> | Number of people with access to basic drinking water services |
| 25 | Percent of households in target areas practicing correct use of recommended household water treatment technologies | Use of water treatment technologies | A household was counted towards this indicator if: <ol style="list-style-type: none"> 1. They reported an unsafe source of water as their primary or alternative source of drinking water; 2. They reported that they did one of the following to treat water <ul style="list-style-type: none"> ○ Boiled it ○ Used ceramic/sand/other water filter ○ Added bleach/chlorine ○ Used disinfectant powder ○ Used solar disinfection 3. The respondent was able to show the treatment materials and used them correctly. | Numerator: Number of households reporting correct treatment of water Denominator: Number of HHs who report using water from an unsafe source |

| Ind. # | Indicator name | Variable name | Analytical approach | Indicator calculation |
|--------|---|---|---|--|
| 26 | Percentage of households practicing correct water storage of the treated water | Storage of treated water | <p>A household was considered as following correct water storage practices for treated water if:</p> <ol style="list-style-type: none"> 1. There was a specific place for storing treated water 2. The water containers were clean 3. Water containers had narrow necks/protective covers 4. Water containers had a tap or narrow mouth for drawing the water | <p>Numerator: Number of households practicing correct water storage of treated water</p> <p>Denominator: Number of households who report storing treated water</p> |
| 29 | Number of people gaining access to a basic sanitation service as a result of USG assistance | | <p>The baseline survey focused on access to basic sanitation services irrespective of who supported the water source.</p> <p>A household was categorised as having access to basic sanitation service if it had access to sanitation facilities designed to hygienically separate human excreta from human contact. Any of the following facilities qualified:</p> <ul style="list-style-type: none"> ○ Flush and pour flush toilets connected to a sewage system or septic tanks ○ Pit latrines with slabs ○ Ventilated pit latrines with slabs ○ Composting toilets <p>Program data from USAID on USG water assistance, together with the baseline results, will be analysed to establish USG support to basic sanitation services. However, this is not to be reported with the findings of the baseline survey.</p> | Number of people with access to basic sanitation |
| 30 | Percentage of children exposed to environmental animal waste in the play areas | Infant exposure to environmental animal waste | A child will be counted towards this indicator if a specific place where the child plays was shown and there was evidence of animal presence such as feathers, faeces, etc. and/or respondent indicates that animals play there at least once a week. | <p>Numerator: Number of children exposed to environmental animal waste in play areas</p> <p>Denominator: Number of children 0-24 months old</p> |
| 31 | Percentage of households with soap and water at a handwashing station commonly used by family members | Soap and water at handwashing station | A household was counted towards this indicator if the household showed a place where household members usually washed their hands and there was soap and water within 1 minute reach | <p>Numerator: Number of households with soap and water at hand washing station</p> <p>Denominator: Number of households</p> |

| Ind. # | Indicator name | Variable name | Analytical approach | Indicator calculation |
|--------|--|--|--|---|
| 32 | Number of households with clean latrines, including covers | Households with clean latrines and cover | A household was counted towards this indicator if the HH showed the toilet/latrine and upon observation: <ol style="list-style-type: none"> 1. There were visible signs of the toilet being used 2. The toilet had a cover | Numerator: Number of households with clean latrines including covers Denominator: Number of households who reported that household members defecate on: <ul style="list-style-type: none"> • Pit latrine with a slab • Ventilated improved pit latrine • Pit latrine without a slab |

Table 51. Food groupings for dietary recall

| Indicator # | Questions Number(s) | Food Groups | Source |
|--|---------------------|---|---|
| Minimum women dietary diversity | | | |
| 8, 11 | 74(1) | Cereals | https://www.indikit.net/document/4-guidelines-for-measuring-household-and-individual-dietary-diversity |
| | 74(2) | White tubers and roots | |
| | 74(10, 11, 13) | Vegetables | |
| | 74(12, 14) | Fruits | |
| | 74(6,7) | Meat | |
| | 74(10) | Eggs | |
| | 74(11) | Fish and other seafood | |
| | 74(3,4) | Legumes, nuts and seeds | |
| | 74(5) | Milk and milk products | |
| | 74(16,17) | Oils and fats | |
| | 74(19,20) | Sweets | |
| | 74(22,23) | Spices, condiments and beverages | |
| Women's dietary diversity | | | |
| 7 | 74(1,2) | Grains, white roots and tubers, and plantains | http://www.fao.org/3/a-i5486e.pdf |
| | 74(3) | Pulses | |
| | 74(4) | Nuts and seeds | |
| | 74(5) | Dairy | |
| | 74(6,7,8) | Meat , poultry and fish | |
| | 74(9) | Eggs | |
| | 74(10) | Dark green leafy vegetables | |
| | 74(11,12,16) | Other vitamin A rich fruits and vegetables | |
| | 74(13) | Other vegetables | |
| | 74(14) | Other fruits | |
| Infant and Young Child Feeding | | | |
| 18 | 94(11, 12,14) | Grains, roots and tubers | https://www.indikit.net/document/60-indicators-for-assessing-iycf-practices-part-2-measurement-english-version |
| | 94(22) | Legumes and nuts | |
| | 94(5, 7,10,23) | Dairy products (milk, yogurt, cheese) | |
| | 94(18, 19, 21) | Flesh foods (meat, fish, poultry and liver/organ meats) | |
| | 94(20) | Eggs | |
| | 94(13, 15, 16) | Vitamin-A rich fruits and vegetables | |
| | 94(17) | Other fruits and vegetables | |

Table 52. Grouping of food produced for sale or consumption

| Crops and livestock | Sub-groups | Main Groups |
|------------------------------------|--------------------------------------|--|
| Orange fleshed sweet potatoes | Vitamin A rich fruits and vegetables | Micronutrient-rich fruits and vegetables |
| Carrots | | |
| Squash | | |
| Pumpkin | | |
| Yellow maize | | |
| Fruits (papaya, oranges and mango) | | |
| Dark green leafy vegetables | Dark green leafy vegetables | |
| Groundnuts | Plant Protein | Protein rich fruits |
| Lentils | | |
| Iron rich beans | | |
| Peas | | |
| Pig | Animal protein | |
| Chicken | | |
| Ducks | | |
| Goats | | |
| Cattle | | |
| Rabbits | | |
| Sheep | | |
| Guinea | | |
| Fowls | | |
| Fish | | |