**Sociodemographic characteristics**

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| --- | --- | --- | --- | --- | --- | --- | --- |
| Variable | | | Total  N(%) | Nyangwena  n(%) | Bundabunda  n(%) | Rufunsa  n(%) | p-Value |
| Mother-Child pairs | | 89(100.0) | 27(100.00) | 16(100.00) | 46(100.00) |  |
| Children’s age in months | | 6-8 | 17(19.10) | 3(11.11) | 4(25.00) | 10(21.74) | 0.10 |
| 9-11 | 21(23.60) | 4(14.81) | 3(18.75) | 14(30.43) |
| 12-23 | 51(57.30) | 20(74.07) | 9(56.25) | 22(47.83) |
| Children’s gender | | Male | 49(55.06) | 15(55.56) | 11(68.75) | 23(50.00) | 0.43 |
| Female | 40(44.94) | 12((44.44) | 5(31.25) | 23((50.00) |
| GMP during covid19 lockdown | | Yes | 13(14.61) | 4(14.81) | 3(18.75) | 6(13.04) | 0.94 |
| No | 76(85.39) | 23(85.19) | 13(81.25) | 40(86.96) |
| Child Vaccination status | | Full | 53(59.55) | 18(66.67) | 12(75.00) | 23(50.00) | 0.15 |
| Partial | 32(35.96) | 8(29.63) | 2(12.50) | 22(47.83) |
| Not vaccinated | 4(4.49) | 1(3.70) | 2(12.50) | 1(2.17) |
| Child place of birth | | Health facility | 87(97.75) | 25(92.59) | 16(100.00) | 46(100.00) | 0.86 |
| Home | 2(2.25 ) | 2(7.41) | 0(0.00) | 0(0.00) |
| Child days past since diarrhea | | >15 days ago | 61(68.54) | 17(62.96) | 10(62.50) | 34(74) | 0.01 |
| 15\_day\_ago | 8(8.99) | 3(11.11) | 2(12.50) | 3(6.52) |
| 10\_day\_ago | 7(7.87) | 0(0.00) | 4((25.00) | 3(6.52) |
| 5\_days\_ago | 13(14.61) | 7(25.93) | 0(0.00) | 6(13.04) |
| Child and older sibling difference | | <2years | 41(46.07) | 11(40.74) | 4(25.00) | 26(56.52) | 0.15 |
| >2 years | 48(53.93) | 16(59.26) | 12(75.00) | 20(43.48) |
| Child sick previous day | | Yes | 22 (24.72) | 9 (33.33) | 2 (12.5) | 11 (23.91) | 0.31 |
| No | 67 (75.28) | 18 (66.67) | 14 (87.5) | 35 (76.09) |
| Care givers’ age | | 18-19 | 9(10.11) | 2(7.41) | 1(6.25) | 6(13.04) | 0.01 |
| 20-24 | 27(30.34) | 14(51.85) | 0(0.00) | 13(28.26) |
| 25-29 | 27(30.34) | 6(22.22) | 5(31.25) | 16(34.78) |
| 30-34 | 16(17.98) | 3(11.11) | 8(50.00) | 5(10.87) |
| >35 | 10(11.24) | 2(7.41) | 2(12.50) | 6(13.04) |
| Care giver education | | Higher | 8 (8.99) | 2 (7.41) | 2 (12.5) | 4 (8.7) | 0.63 |
| None | 5 (5.62) | 3 (11.11) | 1 (6.25) | 1 (2.17) |
| Primary | 34 (38.2) | 9 (33.33) | 7 (43.75) | 18 (39.13) |
| secondary | 42 (47.19) | 13 (48.15) | 6 (37.5) | 23 (50) |
| Care giver physiological state | | Breastfeeding | 70 (78.65) | 20 (74.07) | 13 (81.25) | 37 (80.43) | 0.75 |
| Do not know | 1 (1.12) | 0 (0.00) | 1 (6.25) | 0 (0.00) |
| None | 15 (16.85) | 6 (22.22) | 2 (12.50) | 7 (15.22) |
| pregnant | 3 (3.37) | 1 (3.70) | 0 (0.00) | 2 (4.35) |
| Taken iron tablets 7 days prior study | | Yes | 15 (16.85) | 2 (7.41) | 1 (6.25) | 12 (26.09) | 0.06 |
| No | 74 (83.15) | 25 (92.59) | 15 (93.75) | 34 (73.91) |
| Mother Vitamin A last three months | | Yes | 20 (22.47) | 7 (25.93) | 0 (0.00) | 13 (28.26) | 0.06 |
| No | 69 (77.53) | 20 (74.07) | 16 (100) | 33 (71.74) |
| Caregiver received antenatal care | | Yes | 82(92.13) | 23(85.19) | 15(93.75) | 44(95.65) | 0.75 |
| No | 7(7.87) | 4(14.81) | 1(6.25) | 2(4.35) |
| Caregiver farmer | | Yes | 80 (89.89) | 25 (92.59) | 16 (100) | 39 (84.78) | 0.19 |
| No | 9 (10.11) | 2 (7.41) | 0 (0.00) | 7 (15.22) |
| Caregiver other activities | | Household cores | 56(62.92) | 22(81.48) | 5(31.25) | 29(63.04) | 0.02 |
| Other | 33(37.08) | 5(18.52) | 11(68.75) | 17(36.96) |
| Care giver mother crops | | Maize/groundnuts | 63(70.79) | 18(66.67) | 11(68.75) | 34(73.91) | 0.87 |
| Other | 26(29.21) | 9(33.33) | 5(31.25) | 12(26.09) |