**Association between meeting MDD and Sociodemographic characteristics**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Category |  | Dietary Diversity | | | |  |
|  | Adequate | | Not adequate | | p-value |
|  | N=89 | Percent (%) | N=89 | Percent (%) |
| Total children aged 6-23 months | Total | 8 | 100.00 | 81 | 100.00 |  |
| Age of children in months | 6 – 8 | 1 | 12.50 | 16 | 19.75 | 0.57 |
| 9 – 11 | 1 | 12.50 | 20 | 24.69 |
| 12-23 | 6 | 75.00 | 45 | 55.56 |
| Children’s gender | Female | 2 | 25.00 | 37 | 45.68 | 0.26 |
| Male | 6 | 75.00 | 44 | 54.32 |
| GMP during covid19 lockdown |  | 2 | 25.00 | 11 | 14.00 | 0.38 |
| Child Vaccination status | Full | 6 | 75.00 | 47 | 58.02 | 0.003 |
| Partial | 0 | 0.00 | 32 | 39.51 |
| not\_vaccinated | 2 | 25.00 | 2 | 2.47 |
| Child place of birth | health\_facility | 8 | 100.00 | 79 | 97.53 | 0.65 |
| Home | 0 | 0.00 | 2 | 2.47 |
| Child days past since diarrhea | within\_10\_days\_ago | 0 | 0.00 | 7 | 8.64 | 0.55 |
| within\_15\_day\_ago | 0 | 0.00 | 8 | 9.88 |
| within\_5\_days\_ago | 1 | 12.50 | 12 | 14.81 |
| Child and older sibling difference | <2years | 3 | 37.50 | 38 | 46.91 | 0.61 |
| >2 years | 5 | 62.50 | 43 | 53.09 |
| Child sick previous day | Yes | 3 | 37.50 | 19 | 23.46 | 0.38 |
| No | 5 | 62.50 | 62 | 76.54 |
| Care givers’ age | 18-19 | 2 | 25.00 | 7 | 8.64 | 0.20 |
| 20-24 | 1 | 12.50 | 26 | 32.10 |
| 25-29 | 3 | 37.50 | 24 | 29.63 |
| 30-34 | 0 | 0.00 | 16 | 19.75 |
| >35 | 2 | 25.00 | 8 | 9.88 |
| Care giver education | Higher | 0 | 0.00 | 8 | 9.88 | 0.08 |
| None | 2 | 25.00 | 3 | 3.70 |
| Primary | 3 | 37.50 | 31 | 38.27 |
| Secondary | 3 | 37.50 | 39 | 48.15 |
| Care giver physiological state | breast\_feeding | 7 | 87.50 | 64 | 79.01 | 0.01 |
| do\_not\_know\_1 | 1 | 12.50 | 0 | 0.00 |
| None | 0 | 0.00 | 14 | 17.28 |
| Pregnant | 0 | 0.00 | 3 | 3.70 |
| Taken iron tablets 7 days prior study | Yes | 2 | 25.00 | 13 | 16.05 | 0.52 |
| No | 6 | 75.00 | 68 | 83.95 |
| Mother Vitamin A last three months | Yes | 2 | 25.00 | 18 | 22.22 | 0.86 |
| No | 6 | 75.00 | 63 | 77.78 |
| Caregiver received antenatal care | Yes | 7 | 87.50 | 75 | 92.59 | 0.61 |
| No | 1 | 12.50 | 6 | 7.41 |
| Caregiver farmer | Yes | 8 | 100.00 | 72 | 88.89 | 0.32 |
| No | 0 | 0.00 | 9 | 11.11 |
| Caregiver other activities | household chores | 7 | 87.50 | 49 | 60.49 | 0.13 |
| Other | 1 | 12.50 | 32 | 39.51 |
| Care giver mother crops | Maize and groundnuts | 3 | 37.50 | 60 | 74.07 | 0.03 |
| Other | 5 | 62.50 | 21 | 25.93 |

**Association between meeting MDD and WHO Feeding indicators**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Category |  | Dietary Diversity | | | | |
|  | Adequate | | Not adequate | | p-value |
|  | N=89 | Percent (%) | N=89 | Percent (%) |
| Total children aged 6-23 months | Total | 8 | 100.00 | 81 | 100.00 |  |
| Met Minimum Meal Frequency | yes | 4 | 50.00 | 24 | 29.63 | 0.237 |
| no | 4 | 50.00 | 57 | 70.37 |
| Met Minimum Acceptable Diet | yes | 4 | 50.00 | 4 | 4.94 | <0.001 |
| no | 4 | 50.00 | 77 | 95.06 |
| Consumed micronutrients (iron) | yes | 3 | 37.50 | 6 | 7.41 | 0.007 |
| no | 5 | 62.50 | 75 | 92.59 |
| Consumed cowpea meal | yes | 3 | 37.50 | 28 | 34.57 | 0.868 |
| no | 5 | 62.50 | 53 | 65.43 |
| Consumed Soybean meal | yes | 3 | 37.50 | 28 | 34.57 | 0.868 |
| no | 5 | 62.50 | 53 | 65.43 |
| Consumed ASF | yes | 1 | 12.50 | 13 | 16.05 | 0.793 |
| no | 7 | 87.50 | 68 | 83.95 |
| Infants 6-8 months received complementary foods | Total | 1 | 100.00 | 16 | 100.00 | 0.163 |
| yes | 1 | 100.00 | 5 | 31.25 |
| no | 0 | 0.00 | 11 | 68.75 |

Association between MDD and other Feeding Indicators

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Category |  | Dietary Diversity | | | |  |
|  | Adequate | | Not adequate | | p-value |
|  | N=89 | Percent (%) | N=89 | Percent (%) |
| Total children aged 6-23 months | Total | 8 | 100.00 | 81 | 100.00 |  |
| Child Food Consumption | Ate more than ususal | 0 | 0.00 | 3 | 3.70 | 0.85 |
|  | Ate less than usual | 3 | 37.50 | 28 | 34.57 |  |
|  | Ate as usual | 5 | 62.50 | 50 | 61.73 |  |
| Ate less than usual | Sick yesterday | 2 | 25.00 | 10 | 12.35 | 0.99 |
|  | Did not like the reli | 0 | 0.00 | 1 | 1.23 |  |
|  | Mother was busy | 0 | 0.00 | 1 | 1.23 |  |
|  | Sick few days ago | 0 | 0.00 | .1 | 1.23 |  |
|  | No appetite | 0 | 0.00 | 3 | 3.70 |  |
|  | Not at home | 0 | 0.00 | 8 | 9.88 |  |
|  | Does not usually eat | 0 | 0.00 | 1 | 1.23 |  |
|  | Did not prepare food | 0 | 0.00 | 1 | 1.23 |  |
|  | Mother not home | 0 | 0.00 | 1 | 1.23 |  |
|  | No food | 0 | 0.00 | 1 | 1.23 |  |
|  | N/A | 6 | 75.00 | 53 | 65.43 |  |
| Child had breakfast | yes | 6 | 75.00 | 65 | 80.25 | 0.72 |
|  | no | 2 | 25.00 | 16 | 19.75 |  |
| Child had mid-morning snack | yes | 2 | 25.00 | 20 | 24.69 | 0.99 |
|  | no | 6 | 75.00 | 61 | 75.31 |  |
| Child had lunch | yes | 4 | 50.00 | 24 | 29.63 | 0.24 |
|  | no | 4 | 50.00 | 57 | 70.37 |  |
| Child had afternoon snack | yes | 4 | 50 | 16 | 19.75 | 0.05 |
|  | no | 4 | 50 | 65 | 80.25 |  |
| Child Dinner | yes | 5 | 62.5 | 27 | 33.33 | 0.10 |
|  | no | 3 | 37.5 | 54 | 66.67 |  |
| Child had evening snack | yes | 3 | 37.5 | 12 | 14.81 | 0.10 |
|  | no | 5 | 62.5 | 69 | 85.19 |  |
| Reference care giver met MDD-W | Yes | 0 | 0.00 | 2 | 2.47 | 0.65 |
|  | No | 8 | 100.00 | 79 | 97.53 |  |

Association between MDD and nutrition status of mother-child pairs

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Category |  | Dietary Diversity | | | |  |
|  | Adequate | | Not adequate | | p-value |
|  | N=89 | Percent (%) | N=89 | Percent (%) |
| Total children aged 6-23 months | Total | 8 | 100.00 | 81 | 100.00 |  |
| Child’s birthweight | Less than 2.5kg | 0 | 0.00 | 5 | 6.17 | 0.47 |
| 2.5kg and above | 8 | 100.00 | 76 | 93.83 |
| Child Underweight | moderate underweight | 0 | 0.00 | 8 | 9.88 | 0.61 |
| Normal | 8 | 100.00 | 72 | 88.89 |
| Obese | 0 | 0.00 | 1 | 1.23 |
| Child stunting | Stunted | 0 | 0.00 | 6 | 7.41 | 0.73 |
| moderately stunted | 1 | 12.50 | 10 | 12.35 |
| Normal | 7 | 87.50 | 65 | 80.25 |
| Child Wasting | SAM | 1 | 12.50 | 1 | 1.23 | 0.20 |
| MAM | 1 | 12.50 | 3 | 3.70 |
| Normal | 6 | 75.00 | 72 | 88.89 |
| Overweight | 0 | 0.00 | 1 | 1.23 |
| Obese | 0 | 0.00 | 4 | 4.94 |
| Child Oedema | Yes | 0 | 0.00 | 3 | 3.70 | 0.58 |
| No | 8 | 100.00 | 78 | 96.30 |
| Caregiver height | 145 com and above | 7 | 87.50 | 80 | 98.77 | 0.04 |
| Less than 145 cm | 1 | 12.50 | 1 | 1.23 |