

Table 1. Descriptive statistics of the study sample (N=4074)

| | Overall n (wt. %) |
|-------------------------------------|-------------------|
| Mother's age | |
| 15-24 | 1276(29.2) |
| 25-34 | 2031(50.8) |
| 35-49 | 767(19.9) |
| Marital status | |
| Never married | 32(0.7) |
| Married/Living together | 4099(95.2) |
| Div/sep/widowed | 165(3.9) |
| Education | |
| No education | 2413(60.4) |
| Primary | 1137(30.6) |
| Secondary or above | 524(8.8) |
| Parity | |
| One child | 878(20.3) |
| 2-4 children | 1762(42.2) |
| More than 2-4 children | 1414(37.3) |
| Respondent currently working | |
| Not working | 3044(75.1) |
| Working | 1030(24.8) |
| Wealth Index Combined | |
| Poor | 2113(45.3) |
| Middle | 566(20.6) |
| Rich | 1395(33.9) |
| Health insurance | |
| No | 3937(96.2) |
| Yes | 137(3.7) |
| Type of residence | |
| Rural | 3245(88.0) |

| | |
|---|------------|
| Urban | 829(11.9) |
| Number of antenatal visits during pregnancy | |
| None | 1327(35.1) |
| 1-3 visits | 1239(34.1) |
| Received recommended antenatal care | 1508(33.3) |
| Place of delivery | |
| Public Facility | 1527(34.6) |
| Private Facility | 106(1.1) |
| Home | 2346(61.9) |
| Other | 95(2.2) |
| Delivery by caesarean section | |
| Delivery is not by C section | 3929(97.2) |
| Delivery is by C section | 145(2.7) |
| Skilled provider during delivery | |
| Skilled Provider | 979(19.6) |
| Unskilled Provider | 2681(65.5) |
| No one | 414(14.8) |
| Sex of the child | |
| Female | 2040(51.4) |
| Male | 2034(48.5) |
| Nutritional counseling during antenatal care | |
| No antenatal care and no nutritional counseling; | |
| Did not receive nutritional counseling | 2246(56.6) |
| Received nutritional counseling | 1828(43.3) |
| Start breastfeeding within 1 hr | |
| No | 1192(26.6) |
| Yes | 2882(73.3) |

Abbreviations: Wt.% : Weighted percent

Table 2. Characteristics of the study sample by timely initiation of breastfeeding (N=4074)

| | Recommended Timely Initiation of Breastfeeding | | |
|-------------------------------------|--|------------|-------|
| | Yes n | | p |
| | No n (Wt. %) | (Wt.%) | |
| Mother's age | | | 0.038 |
| 15-24 | 397(27.9) | 879(72) | |
| 24-34 | 569(24.3) | 1462(75.6) | |
| 35-49 | 226(30.6) | 541(69.3) | |
| Marital status | | | 0.138 |
| Never married | 10(43.4) | 22 (56.5) | |
| Married/Living together | 1130(26.2) | 2747(73.7) | |
| Div/sep/widowed | 52(33.3) | 113(66.6) | |
| Education | | | 0.525 |
| No education | 742(26.5) | 1671(73.4) | |
| Primary | 306(25.8) | 831(74.1) | |
| Secondary or above | 144(30.1) | 380(69.8) | |
| Parity | | | 0.015 |
| One child | 295(32.4) | 583(67.5) | |
| 2-4 children | 498(25.2) | 1284(74.7) | |
| More than 2-4 children | 399(25.1) | 1015(74.8) | |
| Respondent currently working | | | 0.905 |
| Not working | 910(26.7) | 2134(73.2) | |
| Working | 282(26.4) | 748(73.5) | |
| Wealth Index Combined | | | 0.4 |
| Poor | 689(25.2) | 1424(74.7) | |
| Middle | 146(26.5) | 420(73.4) | |
| Rich | 357(28.5) | 1038(71.4) | |
| Health insurance | | | 0.303 |
| No | 1150(26.4) | 2787(73.5) | |
| Yes | 42(31.5) | 95(68.4) | |

| | | | |
|---|------------|------------|---------|
| Type of residence | | | 0.75 |
| Rural | 984(26.5) | 2261(73.4) | |
| Urban | 208(27.5) | 621(72.4) | |
| Number of antenatal visits during pregnancy | | | 0.619 |
| None | 420(25.2) | 907(74.7) | |
| 1-3 visits | 353(27.3) | 886(72.6) | |
| Received recommended antenatal care | 419(27.4) | 1089(72.5) | |
| Place of delivery | | | 0.217 |
| Public Facility | 380(25.9) | 1147(74.0) | |
| Private Facility | 36(37.1) | 70(62.8) | |
| Home | 744(26.4) | 1602(73.5) | |
| Other | 32(37.8) | 63(62.1) | |
| Delivery by caesarean section | | | <0.0001 |
| Delivery is not by C section | 1109(25.6) | 2820(74.3) | |
| Delivery is by C section | 83(62.6) | 62(37.3) | |
| Skilled provider during delivery | | | 0.846 |
| Skilled Provider | 251(26.7) | 728(73.2) | |
| Unskilled Provider | 830(26.9) | 1851(73.0) | |
| No one | 111(25.1) | 303(74.8) | |
| Sex of the child | | | 0.078 |
| Female | 557(24.7) | 1483(75.2) | |
| Male | 635(28.6) | 1399(71.3) | |
| Nutritional counseling during antenatal care | | | 0.419 |
| No antenatal care and no nutritional counseling; | 681(25.9) | 1585(74.0) | |
| Did not receive nutritional counseling | 511(27.6) | 1317(72.3) | |
| Received nutritional counseling | | | |

Abbreviations: Wt.% : Weighted percent

P -values are derived from Rao-Scott- Chi square test

Table 3. Association between maternal characteristics and timely initiation of breastfeeding (N=4074)

| | Unadjusted OR (95% CI) | p | Adjusted OR (95% CI) | p |
|--|---------------------------|-------|-------------------------|-------|
| Mother's age | | | | |
| 15-24 | Reference | | Reference | |
| 24-34 | 1.209(0.96,1.51) | 0.102 | 0.972(0.70,1.33) | 0.861 |
| 35-49 | 0.877(0.66,1.16) | 0.36 | 0.651(0.42,0.90) | 0.012 |
| Marital status | | | | |
| Never married | Reference | | Reference | |
| Married/Living together | 2.163(0.87,5.33) | 0.093 | 1.469(0.54,3.94) | 0.445 |
| Div/sep/widowed | 1.538(0.53,4.44) | 0.426 | 1.096(0.34,3.5) | 0.877 |
| Education | | | | |
| No education | Reference | | Reference | |
| Primary | 1.036(0.82,1.30) | 0.763 | 1.195(0.92,1.54) | 0.174 |
| Secondary or above | 0.838(0.59,1.17) | 0.308 | 1.085(0.73,1.60) | 0.684 |
| Parity | | | | |
| One child | Reference | | Reference | |
| 2-4 children | 1.427(1.09,1.86) | 0.009 | 1.52(1.09,2.11) | 0.012 |
| More than 2-4 children | 1.435(1.09,1.91) | 0.014 | 1.876(1.27,2.75) | 0.001 |
| Respondent currently working | | | | |
| Not working | Reference | | Reference | |
| Working | 1.016(0.78,1.31) | 0.905 | 1.023(0.77,1.34) | 0.867 |
| Wealth Index Combined | | | | |
| Poor | Reference | | Reference | |
| Middle | 0.934(0.7,1.24) | 0.636 | 0.931(0.69,1.25) | 0.633 |
| Rich | 0.845(0.65,1.09) | 0.199 | 0.802(0.58,1.09) | 0.161 |
| Type of residence | | | | |
| Rural | Reference | | Reference | |
| Urban | 0.947(0.67,1.32) | 0.751 | 1.369(0.86,2.17) | 0.181 |
| Number of antenatal visits during pregnancy | | | | |

| | | | | |
|---|------------------|-------------|---------------------------|-------------|
| None | Reference | Reference | | |
| 1-3 visits | 0.895(0.68,1.16) | 0.414 | 0.845(0.62,1.13) | 0.266 |
| Received recommended antenatal care | 0.893(0.68,1.16) | 0.397 | 0.895(0.64,1.25) | 0.514 |
| Place of delivery | | | | |
| Public Facility | Reference | Reference | | |
| Private Facility | 0.591(0.30,1.16) | 0.127 | 0.694(0.30,1.60) | 0.392 |
| Home | 0.972(0.76,1.23) | 0.815 | 0.828(0.59,1.15) | 0.26 |
| Other | 0.574(0.30,1.07) | 0.08 | 0.561(0.28,1.08) | 0.086 |
| Delivery by caesarean section | | | | |
| Delivery is not by C section | Reference | Reference | | |
| Delivery is by C section | 0.205(0.11,0.36) | <0.00 01 | <0.00 0.161(0.86,0.29) | <0.00 01 |
| Skilled provider during delivery | | | | |
| Skilled Provider | Reference | Reference | | |
| Unskilled Provider | 0.99(0.76,1.26) | 0.94 | 0.795(0.57,1.09) | 0.154 |
| No one | 1.088(0.73,1.61) | 0.677 | 0.862(0.53,1.38) | 0.538 |
| Sex of the child | | | | |
| Female | Reference | Reference | | |
| Male | 0.816(0.65,1.02) | 0.079 | 0.823(0.65,1.03) | 0.095 |
| Nutritional counseling during antenatal care | | | | |
| Did not receive nutritional counseling | Reference | Reference | | |
| Received nutritional counseling | 0.916(0.73,1.13) | 0.419 | 1.005(0.76,1.31) | 0.972 |

Abbreviations: Wt.% : Weighted percent; OR: Odds Ratio;CI: Confidence Interval