**Supplemental Material 1.** Results of crude analysis and full models for the analysis of optimal breastfeeding practices, Indonesia 2017

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Characteristics** | **EIBF** | | **EBF** | | **CBF-1** | | **CBF-2** | |
| **COR (95% CI)** | **AOR (95% CI)** | **COR (95% CI)** | **AOR (95% CI)** | **COR (95% CI)** | **AOR (95% CI)** | **COR (95% CI)** | **AOR (95% CI)** |
| Infant’s agea,b  0 – 1 months  2 – 3 months  4 – 5 months | - | - | 1  0.60 (0.44-0.82)\*\*  0.32 (0.23-0.44)\*\*\* | 1  0.59 (0.42-0.82)\*\*  0.32 (0.23-0.44)\*\*\* | 0.96 (0.83-1.10) | 0.96 (0.82-1.13) | 0.85 (0.74-0.98)\* | 0.84 (0.73-0.97)\* |
| Sex of infants  Male  Female | 1  1.05 (0.93-1.19) | 1  1.00 (0.89-1.14) | 1  1.17 (0.92-1.49) | 1  1.22 (0.94-1.57) | 1  1.36 (0.98-1.90)† | 1  1.35 (0.96-1.89)† | 1  1.12 (0.83-1.51) | 1  1.16 (0.85-1.58) |
| Mother’s age at delivery  ≤ 19 years  20 – 34 years  ≥ 35 years | 1  0.93 (0.76-1.14)  0.99 (0.84-1.16) | 1  1.24 (0.98-1.57)†  0.97 (0.81-1.15) | 1  1.02 (0.68-1.51)  0.98 (0.70-1.38) | 1   * 1. (0.64-1.60)   2. (0.70-1.51) | 0.79 (0.46-1.37)  1  0.89 (0.59-1.35) | 0.91 (0.50-1.69)  1  0.71 (0.44-1.13) | 0.76 (0.44-1.32)  1  1.25 (0.84-1.85) | 0.68 (0.36-1.29)  1  1.30 (0.84-2.01) |
| Perceived birth size  Small  Average  Large | 0.64 (0.53-0.76)\*\*\*  1  0.94 (0.82-1.08) | 0.70 (0.58-0.85)\*\*\*  1  0.97 (0.84-1.13) | 0.79 (0.54-1.15)  1  0.96 (0.73-1.26 | 0.74 (0.50-1.09)  1  0.94 90.70-1.26) | 0.58 (0.35-0.95)\*  1  0.97 (0.67-1.41) | 0.61 (0.36-1.02)†  1  0.96 (0.64-1.45) | 0.76 (0.49-1.18)  1  1.24 (0.88-1.74) | 0.70 (0.44-1.11)  1  1.38 (0.96-1.97)† |
| Birth pattern  First child  Not first-child, birth interval <2 years  Not first-child, birth interval ≥2 years | 1  1.39 (1.08-1.79)\*  1.45 (1.28-1.64)\*\*\* | 1  1.50 (1.14-1.98)\*  1.55 (1.33-1.81)\*\*\* | 1  1.72 (1.04-2.85)  1.28 (0.98-1.68) | 1  1.71 (0.99-2.98)†  1.29 (0.93-1.80) | 1  1.57 (0.78-3.17)  1.84 (1.30-2.60)\*\* | 1  1.56 (0.72-3.40)  1.95 (1.12-2.96)\*\* | 1  0.83 (0.43-1.61)  1.43 (1.02-1.98)\* | 1  0.74 (0.36-1.52)  1.21 (0.82-1.78) |
| Place of residence  Urban  Rural | 1  0.98 (0.86-1.12) | 1  0.93 (0.80-1.09) | 1  1.51 (1.17-1.94) | 1  1.33 (1.00-1.78)† | 1  1.69 (1.22-2.32)\*\* | 1  1.19 (0.81-1.74) | 1  1.38 (1.01-1.88)\* | 1  1.28 (0.89-1.87) |
| *Socio-economic variables* |  |  |  |  |  |  |  |  |
| Mother’s education  No education or primary  Secondary  College or higher | 1  0.97 (00.83-1.13)  0.94 (0.78-1.14) | 1  1.03 (0.86-1.24)  1.19 (0.93-1.51) | 1  0.94 (0.70-1.26)  0.91 (0.62-1.32) | 1  1.15 (0.82-1.61)  1.46 (0.91-2.33) | 1  0.52 (0.33-0.84)\*\*  0.32 (0.19-0.56)\*\*\* | 1  0.73 (0.43-1.23)  0.66 (0.34-1.29) | 1  0.65 (0.43-0.97)\*  0.39 (0.24-0.64)\*\*\* | 1  0.72 (0.46-1.12)  0.50 (0.28-0.89)\* |
| Mother’s occupation  Not working  Agriculture  Othersc | 1  0.83 (0.66-1.04)  0.90 (0.80-1.03) | 1  0.81 (0.64-1.05)\*  0.92 (0.80-1.07) | 1  1.08 (0.66-1.76)  0.63 (0.49-0.82) | 1  0.82 (0.48-1.40)  0.62 (0.46-0.83)\*\* | 1  1.88 (0.90-3.93)†  0.61 (0.43-0.87)\*\* | 1  1.19 (0.50-2.83)  0.71 (0.49-1.02)† | 1  0.70 (0.38-1.28)  0.63 (0.46-0.87)\*\* | 1  0.48 (0.25-0.94)\*  0.76 (0.53-1.08) |
| Household wealth index  Poor  Middle  Rich | 1  0.90 (0.77-1.05)  0.91 (0.78-1.07) | 1  0.83 (0.70-0.99)\*  0.87 (0.71-1.07) | 1  0.63 (0.47-0.85)  0.67 (0.49-0.91) | 1  0.70 (0.50-0.98)\*  0.79 (0.53-1.17) | 1  0.54 (0.37-0.81)\*\*  0.34 (0.23-0.51)\*\*\* | 1  0.51 (00.32-0.79)\*\*  0.36 (0.21-0.61)\*\*\* | 1  1.06 (0.73-1.54)  0.62 (0.44-0.89)\*\* | 1  1.05 (0.68-1.61)  0.74 (0.47-1.16) |
| *Behavioural characteristics* |  |  |  |  |  |  |  |  |
| Mother’s smoking status  Yes  No | 1  1.18 (0.77-1.80) | 1  1.22 (0.77=1.94) | 1  2.27 (0.83-6.22) | 1  2.59 (1.00-6.72)† | 1  1.32 (0.46-3.73) | 1  1.98 (0.77-5.09) | 1  2.84 (0.94-8.56)† | 1  2.85 (1.04-7.82)\* |
| Antenatal care visit  None  1 – 3 times  4 times or more | 1  0.97 (0.63-1.49)  1.18 (0.80-1.72) | 1  0.88 (0.55-1.38)  1.05 (0.69-1.58) | 1  0.64 (0.29-1.40)  0.83 (0.41-1.67) | 1  0.79 (0.36-1.72)  1.11 (0.55-2.25) | 1  0.74 (0.21-2.56)  1.15 (0.39-3.46) | 1  1.51 (0.39-5.88)  2.77 (0.81-9.48) | 1  0.57 (0.20-1.64)  0.77 (0.31-1.91) | 1  0.50 (0.16-1.53)  0.89 (0.33-2.41) |
| Caesarean delivery  Yes  No | 1  2.67 (2.25-3.16)\*\*\* | 1  2.20 (1.83-2.65)\*\*\* | 1  1.65 (1.19-2.30) | 1  1.43 (0.98-2.10)† | 1  1.96 (1.34-2.88)\*\* | 1  1.75 (1.14-2.69)\* | 1  1.04 (0.70-1.56) | 1  0.93 (0.58-1.50) |
| Place of delivery  Health facility  Non-health facility | 1  0.97 (0.83-1.14) | 1  1.10 (0.91-1.34) | 1  1.18 (0.83-1.68) | 1  0.92 (0.62-1.38) | 1  1.09 (0.71-1.67) | 1  0.69 (0.40-1.20) | 1  1.35 (0.92-2.00) | 1  1.18 (0.60-1.18) |
| Skin-to-skin contact  Yes  No | 1  2.86 (2.52-3.25)\*\*\* | 1  2.53 (2.20-2.92)\*\*\* | 1  1.04 (0.82-1.32) | 1  1.00 (0.77-1.31) | 0.98 (0.70-1.38)  1 | 0.87 (0.60-1.26)  1 | 0.88 (0.65-1.19)  1 | 0.84 (0.60-1.18)  1 |
| Time of first postnatal visit  No visit  Less than 24 hours  1 – 6 days  1 week or more | 1  1.02 (0.79-1.32)  1.20 (1.01-1.43)\*  1.08 (0.93-1.25) | 1  0.91 (0.69-1.20)  1.13 (0.94-1.36)  1.16 (0.99-1.35)† | 1  1.26 (0.78-2.03)  1.05 (0.77-1.42)  0.83 (0.60-1.13) | 1  1.23 (0.72-2.08)  1.03 (0.74-1.42)  0.99 (0.71-1.39) | 1  1.30 (0.69-2.33)  1.49 (0.96-2.29)†  1.29 (0.88-1.88) | 1  1.15 (0.53-2.50)  1.35 (0.87-2.10)  1.47 (0.99-2.18)† | 1  1.35 (0.75-2.42)  1.04 (0.71-1.53)  1.33 (0.92-1.93) | 1  1.19 (0.65-2.19)  1.02 (0.68-1.52)  1.44 (0.97-2.14)† |
| EIBF, early initiation of breastfeeding; EBF, exclusive breastfeeding; CBF-1, continued breastfeeding at 1 year; CBF-2, continued breastfeeding at 2 years; COR, crude odds ratio; AOR, adjusted odds ratio. Sample sizes of each group are different since models differed by outcome (please see **Figure 1**).  aVariable age was not included in the analyses of EIBF; bFitted as a continuous variable in the analyses of CBF-1 (values: 12, 13, 14, and 15 months) and CBF-2 (values: 20, 21, 22, and 23 months) so that the adjusted odds ratio reflects the effect of age for a ‘one month increase in age’;cIncluded those worked as a professional, technician, manager, clerical, sales, and industrial worker.  †p < 0.1. \*p < 0.05. \*\*p < 0.01. \*\*\*p < 0.001. | | | | | | | | |