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

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| --- | --- | --- | --- | --- |
| **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,b0 – 1 months2 – 3 months4 – 5 months | - | - | 10.60 (0.44-0.82)\*\*0.32 (0.23-0.44)\*\*\* | 10.59 (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 infantsMaleFemale | 11.05 (0.93-1.19) | 11.00 (0.89-1.14) | 11.17 (0.92-1.49) | 11.22 (0.94-1.57) | 11.36 (0.98-1.90)† | 11.35 (0.96-1.89)† | 11.12 (0.83-1.51) | 11.16 (0.85-1.58) |
| Mother’s age at delivery≤ 19 years20 – 34 years≥ 35 years | 10.93 (0.76-1.14)0.99 (0.84-1.16) | 11.24 (0.98-1.57)†0.97 (0.81-1.15) | 11.02 (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)10.89 (0.59-1.35) | 0.91 (0.50-1.69)10.71 (0.44-1.13) | 0.76 (0.44-1.32)11.25 (0.84-1.85) | 0.68 (0.36-1.29)11.30 (0.84-2.01) |
| Perceived birth sizeSmallAverageLarge | 0.64 (0.53-0.76)\*\*\*10.94 (0.82-1.08) | 0.70 (0.58-0.85)\*\*\*10.97 (0.84-1.13) | 0.79 (0.54-1.15)10.96 (0.73-1.26 | 0.74 (0.50-1.09)10.94 90.70-1.26) | 0.58 (0.35-0.95)\*10.97 (0.67-1.41) | 0.61 (0.36-1.02)†10.96 (0.64-1.45) | 0.76 (0.49-1.18)11.24 (0.88-1.74) | 0.70 (0.44-1.11)11.38 (0.96-1.97)† |
| Birth patternFirst childNot first-child, birth interval <2 yearsNot first-child, birth interval ≥2 years | 11.39 (1.08-1.79)\*1.45 (1.28-1.64)\*\*\* | 11.50 (1.14-1.98)\*1.55 (1.33-1.81)\*\*\* | 11.72 (1.04-2.85)1.28 (0.98-1.68) | 11.71 (0.99-2.98)†1.29 (0.93-1.80) | 11.57 (0.78-3.17)1.84 (1.30-2.60)\*\* | 11.56 (0.72-3.40)1.95 (1.12-2.96)\*\* | 10.83 (0.43-1.61)1.43 (1.02-1.98)\* | 10.74 (0.36-1.52)1.21 (0.82-1.78) |
| Place of residenceUrbanRural | 10.98 (0.86-1.12) | 10.93 (0.80-1.09) | 11.51 (1.17-1.94) | 11.33 (1.00-1.78)† | 11.69 (1.22-2.32)\*\* | 11.19 (0.81-1.74) | 11.38 (1.01-1.88)\* | 11.28 (0.89-1.87) |
| *Socio-economic variables* |  |  |  |  |  |  |  |  |
| Mother’s educationNo education or primarySecondaryCollege or higher | 10.97 (00.83-1.13)0.94 (0.78-1.14) | 11.03 (0.86-1.24)1.19 (0.93-1.51) | 10.94 (0.70-1.26)0.91 (0.62-1.32) | 11.15 (0.82-1.61)1.46 (0.91-2.33) | 10.52 (0.33-0.84)\*\*0.32 (0.19-0.56)\*\*\* | 10.73 (0.43-1.23)0.66 (0.34-1.29) | 10.65 (0.43-0.97)\*0.39 (0.24-0.64)\*\*\* | 10.72 (0.46-1.12)0.50 (0.28-0.89)\* |
| Mother’s occupationNot workingAgricultureOthersc | 10.83 (0.66-1.04)0.90 (0.80-1.03) | 10.81 (0.64-1.05)\*0.92 (0.80-1.07) | 11.08 (0.66-1.76)0.63 (0.49-0.82) | 10.82 (0.48-1.40)0.62 (0.46-0.83)\*\* | 11.88 (0.90-3.93)†0.61 (0.43-0.87)\*\* | 11.19 (0.50-2.83)0.71 (0.49-1.02)† | 10.70 (0.38-1.28)0.63 (0.46-0.87)\*\* | 10.48 (0.25-0.94)\*0.76 (0.53-1.08) |
| Household wealth indexPoorMiddleRich | 10.90 (0.77-1.05)0.91 (0.78-1.07) | 10.83 (0.70-0.99)\*0.87 (0.71-1.07) | 10.63 (0.47-0.85)0.67 (0.49-0.91) | 10.70 (0.50-0.98)\*0.79 (0.53-1.17) | 10.54 (0.37-0.81)\*\*0.34 (0.23-0.51)\*\*\* | 10.51 (00.32-0.79)\*\*0.36 (0.21-0.61)\*\*\* | 11.06 (0.73-1.54)0.62 (0.44-0.89)\*\* | 11.05 (0.68-1.61)0.74 (0.47-1.16) |
| *Behavioural characteristics* |  |  |  |  |  |  |  |  |
| Mother’s smoking statusYesNo | 11.18 (0.77-1.80) | 11.22 (0.77=1.94) | 12.27 (0.83-6.22) | 12.59 (1.00-6.72)† | 11.32 (0.46-3.73) | 11.98 (0.77-5.09) | 12.84 (0.94-8.56)† | 12.85 (1.04-7.82)\* |
| Antenatal care visit None1 – 3 times4 times or more | 10.97 (0.63-1.49)1.18 (0.80-1.72) | 10.88 (0.55-1.38)1.05 (0.69-1.58) | 10.64 (0.29-1.40)0.83 (0.41-1.67) | 10.79 (0.36-1.72)1.11 (0.55-2.25) | 10.74 (0.21-2.56)1.15 (0.39-3.46) | 11.51 (0.39-5.88)2.77 (0.81-9.48) | 10.57 (0.20-1.64)0.77 (0.31-1.91) | 10.50 (0.16-1.53)0.89 (0.33-2.41) |
| Caesarean deliveryYesNo | 12.67 (2.25-3.16)\*\*\* | 12.20 (1.83-2.65)\*\*\* | 11.65 (1.19-2.30) | 11.43 (0.98-2.10)† | 11.96 (1.34-2.88)\*\* | 11.75 (1.14-2.69)\* | 11.04 (0.70-1.56) | 10.93 (0.58-1.50) |
| Place of deliveryHealth facilityNon-health facility | 10.97 (0.83-1.14) | 11.10 (0.91-1.34) | 11.18 (0.83-1.68) | 10.92 (0.62-1.38) | 11.09 (0.71-1.67) | 10.69 (0.40-1.20) | 11.35 (0.92-2.00) | 11.18 (0.60-1.18) |
| Skin-to-skin contactYesNo | 12.86 (2.52-3.25)\*\*\* | 12.53 (2.20-2.92)\*\*\* | 11.04 (0.82-1.32) | 11.00 (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 visitNo visitLess than 24 hours1 – 6 days1 week or more | 11.02 (0.79-1.32)1.20 (1.01-1.43)\*1.08 (0.93-1.25) | 10.91 (0.69-1.20)1.13 (0.94-1.36)1.16 (0.99-1.35)† | 11.26 (0.78-2.03)1.05 (0.77-1.42)0.83 (0.60-1.13) | 11.23 (0.72-2.08)1.03 (0.74-1.42)0.99 (0.71-1.39) | 11.30 (0.69-2.33)1.49 (0.96-2.29)†1.29 (0.88-1.88) | 11.15 (0.53-2.50)1.35 (0.87-2.10)1.47 (0.99-2.18)† | 11.35 (0.75-2.42)1.04 (0.71-1.53)1.33 (0.92-1.93) | 11.19 (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. |