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| **Appendix- Table 1. Complete Case Analysis: Predictors of non-Compliance with World Health Organization Recommendations to Exclusively Breastfeed during the first 6 months of life, Lao Social Indicator Survey II, Lao People's Democratic Republic, 2017.** |
|  | **Bivariate** | **Model 1**Adjusted for Maternal Demographic Factors(N=1233) | **Model 2**Adjusted for Model 1 + Child Factors (N=1233) | **Model 3**Adjusted for Model 2 + Socioeconomic Status(N=1233) | **Fully Adjusted**(N=1139) |
| **Predictor** |  | **OR (95% CI)** |
| **Residence**Large-Urban-Vientiane CapitalSmall- Urban-Other ProvinceRural | 3.65 (1.48, 9.00)\*\*\*0.95 (0.73, 1.25)Reference | 3.39 (1.36, 8.44)\*\*\*0.93 (0.71, 1.23)Reference | 4.64 (1.77, 12.19)\*\*1.04 (0.76, 1.41)Reference | 2.75 (0.99, 7.66)0.76 (0.54, 1.09)Reference | 3.98 (1.17, 13.57)\*0.84 (0.58, 1.22)Reference |
| **Marital Status**(married vs not married) | 0.73 (0.40, 1.33) | 0.75 (0.41, 1.38) | 0.65 (0.33, 1.27) | 0.68 (0.34, 1.36) | 0.90 (0.41, 2.00) |
| **Maternal Age**<20 years20-25 years26-29 years30-35 years>35 years | 0.74 (0.45, 1.21)072 (0.46, 1.12)0.87 (0.54, 1.40)0.80 (0.49, 1.30)Reference | 0.73 (0.45, 1.21)0.72 (0.46, 1.12)0.76 (0.43, 1.37)0.78 (0.47, 1.27)Reference | 0.66 (0.38, 1.15)0.57 (0.35, 0.94)\*0.70 (0.41, 1.18)0.73 (0.42, 1.25)Reference | 0.77 (0.43, 1.36)0.63 (0.38, 1.06)0.76 (0.45, 1.31)0.76 (0.44, 1.32)Reference | 0.76 (0.41, 1.41)0.67 (0.39, 1.17)0.78 (0.44, 1.38)0.84 (0.46, 1.51)Reference |
| **Child Sex**(Male vs Female) | 0.81 (0.65, 1.01) | -- | 0.79 (0.62, 1.02) | 0.79 (0.61, 1.02) | 0.79 (0.60, 1.03) |
| **Children’s Age** 0-2 months3-4 months5-6 months | Reference2.52 (1.91, 3.32)\*\*\*12.28 (8.72, 17.30)\*\*\* | -- | Reference2.64 (1.99, 3.51)\*\*\*13.00 (9.17, 18.43)\*\*\* | Reference2.74 (2.06, 3.66)\*\*\*13.76 (9.65, 19.60)\*\*\* | Reference3.05 (2.25, 4.14)\*\*\*14.20 (10.47, 22.07)\*\*\* |
| **Maternal Education**No SchoolingPrimaryLower SecondaryUpper SecondaryPost Secondary or Higher | Reference0.92 (0.68, 1.25)1.03 (0.73, 1.46)0.97 (0.63, 1.50)1.36 (0.88, 2.09) | -- | -- | Reference0.88 (0.61, 1.27)0.82 (0.53, 1.29)0.75 (0.43, 1.32)0.77 (0.43, 1.37) | Reference0.75 (0.51, 1.12)0.73 (0.45, 1.19)0.75 (0.41, 1.38)0.66 (0.35, 1.25) |
| **Wealth Index**PoorestSecondMiddleFourthRichest  | Reference1.18 (0.87, 1.60)1.21 (0.87, 1.67)1.70 (1.20, 2.43)\*\*1.89 (1.27, 2.80)\*\* | -- | -- | Reference1.24 (0.87, 1.78)1.47 (0.98, 2.19)2.44 (1.54, 3.86)\*\*2.81 (1.60, 4.92)\*\* | Reference1.21 (0.82, 1.78)1.32 (0.85, 2.05)2.19 (1.32, 3.63)\*\*2.42 (1.31, 4.46)\*\* |
| **Attitude that domestic violence is not acceptable** (no vs yes) | 0.87 (0.69, 1.11) | -- | -- | -- | 0.93 (0.70, 1.23) |
| **Prenatal Care**(no vs yes) | 0.94 (0.70, 1.26) | -- | -- | -- | 0.97 (0.63, 1.50) |
| **Baby put directly on bare skin of mothers chest after birth**(no vs yes) | 0.93 (0.74, 1.18) | -- | -- | -- | 1.33 (0.95, 1.85) |
| **Healthcare provider observed child’s breastfeeding within 2 days after birth**(no vs yes)  | 0.62 (0.42, 0.90)\* | -- | -- | -- | 0.89 (0.46, 1.73) |
| **Healthcare provider counseled on breastfeeding within 2 days after birth**(no vs yes) | 0.72 (0.51, 1.00) | -- | -- | -- | 0.85 (0.46, 1.57) |
| **Place of Birth**Public SectorPrivate Medical SectorHome | Reference1.26 (0.21, 7.60)0.77 (0.61, 0.98)\* | -- | -- | -- | Reference0.70 (0.07, 6.82)0.76 (0.52, 1.11) |

\**p*-value <0.05 \*\**p*-value <0.01 \*\*\**p*-value <0.001; OR= odds ratio; CI= confidence interval

**Appendix- Table 2. Complete Case Analysis: Predictors of Non-Compliance with World Health Organization Recommendations to Complementary Breastfeed between 6 and 23 months, Lao Social Indicator Survey II, Lao People's Democratic Republic, 2017.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Bivariate** | **Model 1**Adjusted for Maternal Demographic Factors(N=3029) | **Model 2**Adjusted for Model 1 + Child Factors (N=3029) | **Model 3**Adjusted for Model 2 + Socioeconomic Status(N=3026) | **Fully Adjusted**(N=2752) |
| **Predictor** | **OR (95% CI)** |
| **Residence**Large-Urban-Vientiane CapitalSmall- Urban-Other ProvinceRural | 4.23 (2.82, 6.34)\*\*\*2.04 (1.73, 2.42)\*\*\*Reference | 3.98 (2.64, 6.02)\*\*\*2.03 (1.71, 2.41)\*\*\*Reference | 6.06 (3.73, 9.85)\*\*\*2.46 (2.01, 3.02)\*\*\*Reference | 1.90 (1.12, 3.24)\*1.15 (0.90, 1.46)Reference | 2.02 (1.14, 3.56)\*1.19 (0.92, 1.54)Reference |
| **Marital Status**(married vs not married) | 1.06 (0.70, 1.60) | 0.98 (0.65, 1.50) | 0.99 (0.61, 1.62) | 0.97 (0.59, 1.62) | 1.19 (0.68, 2.07) |
| **Maternal Age**<20 years20-25 years26-29 years30-35 years>35 years | 0.54 (0.39, 0.76)\*\*0.83 (0.64, 1.07)0.94 (0.71, 1.23)0.91 (0.69, 1.20)Reference | 0.62 (0.45, 0.87)\*\*0.92 (0.70, 1.20)0.91 (0.69, 1.21)0.89 (0.67, 1.18)Reference | 0.67 (0.46, 0.99)\*0.91 (0.67, 1.24)0.93 (0.68, 1.29)0.87 (0.63, 1.20)Reference | 0.75 (0.50, 1.13)0.86 (0.62, 1.20)0.76 (0.53, 1.07)0.70 (0.50, 1.00)Reference | 1.06 (0.67, 1.69)1.11 (0.76, 1.63)0.98 (0.65, 1.46)0.88 (0.59, 1.32)Reference |
| **Child Sex**(Female vs Male) | 1.04 (0.90, 1.20) | -- | 1.01 (0.85, 1.20) | 0.99 (0.83, 1.19) | 1.02 (0.84, 1.24) |
| **Child Age At Interview**7-8 Months 9-10 Months11-12 Months13-14 Months15-16 Months17-18 Months19-20 Months21-22 Months23-24 Months | Reference0.98 (0.64, 1.49)1.64 (1.11, 2.42)\*2.60 (1.79, 3.79)\*\*\*5.70 (3.97, 8.19)\*\*\*10.25 (7.13, 14.74)\*\*\*12.82 (8.89, 18.48)\*\*\*15.95 (11.03, 23.05)\*\*\*24.78 (15.46, 39.69)\*\*\* | -- | Reference1.06 (0.68, 1.65)1.73 (1.14, 2.62)\*2.80 (1.87, 4.18)\*\*\*6.88 (4.67, 10.13)\*\*\*12.19 (8.27, 18.00)\*\*\*15.13 (10.25, 22.32)\*\*\*19.30 (13.04, 28.56)\*\*\*31.12 (18.95, 51.09)\*\*\* | Reference1.05 (0.67, 1.66)1.76 (1.15, 2.70)\*\*3.12 (2.05, 4.75)\*\*\*8.69 (5.78, 13.07)\*\*\*14.27 (9.49, 21.48)\*\*\*19.08 (12.67, 28.73)\*\*\*24.76 (16.38, 37.41)\*\*\*45.04 (26.78, 75.75)\*\*\* | Reference1.02 (0.62, 1.67)1.73 (1.09, 2.75)\*3.42 (2.19, 5.34)\*\*9.29 (6.00, 14.36)\*\*\*14.94 )9.66, 23.12)\*\*\*20.81 (13.45, 32.20)\*\*\*27.69 (17.80, 43.06)\*\*\*60.10 (34.06, 106.03)\*\*\* |
| **Maternal Education**No SchoolingPrimaryLower SecondaryUpper SecondaryPost Secondary or Higher | Reference1.18 (0.87, 1.60)1.21 (0.87, 1.67)1.70 (1.20, 2.43)\*\*1.89 (1.27, 2.80)\*\* | -- | -- | Reference1.65 (1.26, 2.16)\*\*1.55 (1.14, 2.12)\*\*1.55 (1.01, 2.36)\*3.01 (2.00, 4.55)\*\*\* | Reference1.64 (1.21, 2.21)\*\*1.46 (1.04, 2.07)\*1.42 (0.90, 2.24)3.11 (1.99, 4.87)\*\* |
| **Wealth Index**PoorestSecondMiddleFourthRichest  | Reference1.55 (1.24, 1.93)\*\*\*2.64 (2.11, 3.31)\*\*\*4.21 (3.32, 5.35)\*\*\*5.64 (4.38, 7.27)\*\*\* | -- | -- | Reference1.61 (1.24, 2.09)\*\*2.86 (2.15, 3.81)\*\*\*4.73 (3.42, 6.54)\*\*\*5.32 (3.56, 7.94)\*\*\* | Reference1.50 (1.12, 2.00)\*2.68 (1.95, 3.70)\*\*\*4.29 (2.97, 6.20)\*\*\*5.12 (3.27, 8.01)\*\*\* |
| **Attitude that domestic violence is not acceptable** (no vs yes) | 1.10 (0.84, 1.29) | -- | -- | -- | 1.12 (0.91, 1.37) |
| **Prenatal Care**(no vs yes) | 0.46 (0.38, 0.57)\*\*\* | -- | -- | -- | 0.59 (0.43, 0.80)\*\* |
| **Baby put directly on bare skin of mothers chest after birth**(no vs yes) | 0.74 (0.64, 0.87)\*\* | -- | -- | -- | 1.02 (0.81, 1.29) |
| **Healthcare provider observed child’s breastfeeding within 2 days after birth**(no vs yes)  | 0.63 (0.50, 0.80)\*\* | -- | -- | -- | 0.95 (0.58, 1.55) |
| **Healthcare provider counseled on breastfeeding within 2 days after birth**(no vs yes) | 0.64 (0.51, 0.79)\*\*\* | -- | -- | -- | 1.04 (0.66, 1.63) |
| **Place of Birth**Public SectorPrivate Medical SectorHome | Reference1.84 (1.04, 3.24)\*0.58 (0.49, 0.68)\*\*\* |  |  |  | Reference1.05 (0.50, 2.20)1.26 (0.97, 1.64) |
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\**p*-value <0.05 \*\**p*-value <0.01 \*\*\**p*-value <0.001; OR= odds ratio; CI= confidence interval

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