Supplementary Table 1. Effects of Individual-Level and Community-Level Characteristics on Maternal Healthcare Service Utilization (2-year pooled data, 2005 and 2011)

|  |  |  |  |
| --- | --- | --- | --- |
| Characteristics | Antenatal care | Place of delivery | Postnatal care |
| AOR(95% CI) | AOR(95% CI) | AOR(95% CI) |
| Individual-level characteristics |  |  |  |
| Attitudes toward wife beating |  |  |  |
| Favorable | 1.00 | 1.00 | 1.00 |
| Opposing  | 1.05(1.02-1.07)\* | 1.04(1.02-1.05)\* | 1.00(0.99-1.01) |
| Decision-making power |  |  |  |
| Low | 1.00 | 1.00 | 1.00 |
| High | 1.01 (0.99-1.03) | 1.00(0.99-1.02) | 1.01(1.01-1.02)\* |
| Age (years) |  |  |  |
| 15–24 | 1.00 |  |  |
| 25–34 | 1.05(1.03-1.07)\* | 1.04(1.02-1.05)\* | 0.96(0.95-0.98)\* |
| 35–49 | 1.08(1.05-1.10)\* | 1.05(1.03-1.07)\* | 0.91(0.89-0.92)\* |
| Age at the first marriage (years) |  |  |  |
| <16 | 1.00 | 1.00 | 1.00 |
| 16–19 | 1.01(1.00-1.02) | 0.99(0.98-1.00) | 1.02(1.01-1.02)\* |
| ≥20 | 1.00(0.98-1.02) | 1.01(0.99-1.02) | 1.05(1.03-1.06)\* |
| Religion |  |  |  |
| Orthodox Christianity | 1.00 | 1.00 | 1.00 |
| Protestant Christianity | 0.96 (0.94-0.98)\* | 0.99(0.98-1.01) | 1.00(0.98-1.01) |
| Islam | 0.98 (0.97-0.99)\* | 1.00(0.99-1.01) | 1.01(1.00-1.01) |
| Others | 0.95 (0.92-0.98)\* | 1.06(1.02-1.09)\* | 0.99(0.97-1.00) |
| Educational level |  |  |  |
| None  | 1.00 | 1.00 | 1.00 |
| Primary | 1.05(1.03-1.07)\* | 1.03(1.01-1.04)\* | 1.01(1.00-1.02)\* |
| Secondary and higher | 1.20(1.16-1.25)\* | 1.21(1.17-1.25)\* | 1.12(1.09-1.15)\* |
| Employment status |  |  |  |
| No | 1.00 | 1.00 | 1.00 |
| Yes | 1.01(1.01-1.03)\* | 1.00(0.991.02) | 1.02(1.01-1.03)\* |
| Birth order |  |  |  |
| First | 1.00 | 1.00 | 1.00 |
| Second | 0.99(0.97-1.01) | 0.93(0.91-0.95)\* | 0.98(0.96-0.99)\* |
| Third or higher | 0.96(0.93-0.99)\* | 0.92(0.90-0.94)\* | 1.00(0.98-1.02) |
| Number of children in the household  |  |  |  |
| 1–2 | 1.00 | 1.00 | 1.00 |
| 3–4 | 0.97(0.95-1.00) | 0.97(0.95-0.99)\* | 0.99(0.97-1.00) |
| ≥5 | 0.96(0.93-0.98)\* | 0.95(0.93-0.97)\* | 1.01(1.00-1.03) |
| Spouse’s educational level |  |  |  |
| None  | 1.00 | 1.00 | 1.00 |
| Primary | 1.04(1.02-1.05)\* | 1.02(1.01-1.03)\* | 1.00(1.00-1.01) |
| Secondary and higher | 1.09(1.06-1.12)\* | 1.11(1.08-1.13)\* | 1.05(1.03-1.07)\* |
| Media exposure |  |  |  |
| No | 1.00 | 1.00 | 1.00 |
| Yes | 1.09(1.07-1.11)\* | 1.06(1.05-1.08)\* | 1.02(1.01-1.04)\* |
| Wealth index |  |  |  |
| Poorest | 1.00 | 1.00 | 1.00 |
| Poor | 1.10(1.07-1.13)\* | 1.09(1.07-1.12)\* | 1.03(1.01-1.05)\* |
| Middle | 1.12(1.09-1.15)\* | 1.11(1.08-1.13)\* | 1.05(1.03-1.06)\* |
| Rich | 1.14(1.11-1.18)\* | 1.12(1.10-1.14)\* | 1.04(1.03-1.06)\* |
| Richest | 1.15(1.12-1.19)\* | 1.11(1.08-1.14)\* | 1.04(1.02-1.06)\* |
| Place of residence |  |  |  |
| Urban | 1.00 | 1.00 | 1.00 |
| Rural | 0.89(0.86-0.92)\* | 0.77(0.75-0.80)\* | 0.93 |
| Year  | 1.01(1.00-1.03)\* | 1.00(0.99-1.02) | 1.01(1.00-1.02)\* |
| 2005 | 1.00 | 1.00 | 1.00 |
| 2011 | 1.01(1.00-1.03)\* | 1.00(0.99-1.02) | 1.01(1.00-1.02)\* |
| Community-level characteristics |  |  |  |
| Attitudes toward wife beating | 1.09 (1.05-1.12)\* | 1.04(1.03-1.05)\* | 1.01(0.99-1.03) |
| Decision-making power | 1.00(0.99-1.01) | 1.02(1.01-1.04)\* | 1.00(0.99-1.01) |
| Educational level | 1.03(1.01-1.06)\* | 1.02(1.01-1.03) | 1.01(1.00-1.02)\* |
| Employment | 1.02(0.99-1.04) | 1.04(1.02-1.06)\* | 1.02(1.00-1.03)\* |
| Contraception use | 1.02(1.00-1.03)\* | 1.01(0.99-1.03)\* | 1.01(0.99-1.03) |
| Individual attitude toward wife beating\*year | 0.99(0.96-1.02) | 1.01(0.98-1.66) | 0.99(0.97-1.01) |
| Decision-making power\*year  | 1.02(1.01-1.05)\* | 1.01(0.99-1.02) | 1.00(0.98-1.01) |
| Community attitude toward wife beating\*year  | 1.04(0.99-1.10) | 1.12(1.06-1.16)\* | 1.00(0.97-1.04) |
| Community decision making power\*year | 1.02(0.99-1.05) | 1.002(0.98-1.02) | 1.01(0.99-1.03) |

 \*P<0.05