Table-6:Results of fixed coefficient and random coefficient logistic regression model

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Fixed effect | | Β | | S.E. | Z-value | P-value |
| Intercept | | -2.08744 | | 0.19090 | -10.935 | < 2e-16 \*\*\* |
| Type of place of residence(ref=Urban) | | | | | | |
| Rural | | 0.19923 | | 0.12493 | 1.595 | 0.110776 |
| Smokes cigarettes(ref=No) | | | | | | |
| Yes | | 0.62640 | | 0.29294 | 2.138 | 0.032491 \* |
| Current marital status (ref= Married or Living with partner) | | | | | | |
| Widowed /divorced/separated | | 0.34914 | | 0.10355 | 3.372 | 0.000747 \*\*\* |
| Number of other wives (ref = No other wives) | | | | | | |
| 1-6 other wives | | 0.46090 | | 0.10368 | 4.446 | 8.77e-06 \*\*\* |
| Respondent's occupation (grouped) (ref = Not working) | | | | | | |
| Employed (salary paid) | | -0.52629 | | 0.23435 | -2.246 | 0.024721 \* |
| Merchant | | 0.12909 | | 0.10713 | 1.205 | 0.228219 |
| Farmer | | 0.07638 | | 0.09692 | 0.788 | 0.430616 |
| Others | | 0.08785 | | 0.11901 | 0.738 | 0.460437 |
| Husband/partner drinks alcohol (ref= No) | | | | | | |
| Yes | | 1.00979 | | 0.10101 | 9.997 | < 2e-16 \*\*\* |
| Have you ever chewed Chat? (ref= No) | | | | | | |
| Yes | | 0.30463 | | 0.11073 | 2.751 | 0.005938 \*\* |
| Number of living children (ref= 0) | | | | | | |
| 1-2 | 0.31399 | | 0.12975 | | 2.420 | 0.015521 \* |
| 3-4 | 0.26024 | | 0.13607 | | 1.913 | 0.055811. |
| 5+ | 0.51657 | | 0.13776 | | 3.750 | 0.000177 \*\*\* |
| Husband's desire for children (ref= Both want same) | | | | | | |
| Husband wants more | 0.15736 | | 0.08867 | | 1.775 | 0.075936. |
| Husband wants fewer | 0.39764 | | 0.13497 | | 2.946 | 0.003216 \*\* |
| Don't know | -0.15890 | | 0.09026 | | -1.760 | 0.078346. |
| Random part | Estimate | | S.E. | | Wald test of 95% CI | |
| Between – region variance (Intercept) | 0.04988725 | | 0.002029563 | | 0.02243430 | 0.1109345 |
| var(Reside) | 0.03109996 | | 0.001484111 | | 0.00691362 | 0.1398988 |
| var(HusDA) | 0.05286027 | | 0.003422666 | | 0.01591493 | 0.1755715 |
| cor(Intercept,Reside) | 0.44351492 | | 41.09899 | | -0.9870394 | 0.9980632 |
| cor(Intercept,aHusDA) | 0.41141831 | | 20.61896 | | -0.8666899 | 0.9754663 |
| cor(Reside,HusDA) | 0.65623186 | | 138.9003 | | -0.9730110 | 0.9988221 |

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1