**NORTH CENTRAL**

**Logistic regression**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| no\_treatment | Coef. | | St.Err. | t-value | | p-value | [95% Conf | | Interval] | | Sig |
| RECODE of v01.. 1~24 | 1 | | . | . | | . | . | | . | |  |
| 2. 25-34 | 1.107 | | .221 | 0.51 | | .608 | .75 | | 1.636 | |  |
| 3. 35-49 | 1.488 | | .397 | 1.49 | | .137 | .882 | | 2.51 | |  |
| highest educa.. no~n | 1 | | . | . | | . | . | | . | |  |
| 1. primary | .914 | | .206 | -0.40 | | .691 | .588 | | 1.423 | |  |
| 2. secondary | .97 | | .229 | -0.13 | | .898 | .611 | | 1.541 | |  |
| 3. higher | .883 | | .348 | -0.32 | | .752 | .408 | | 1.911 | |  |
| RECODE of v70.. no~n | 1 | | . | . | | . | . | | . | |  |
| 1. primary | .616 | | .156 | -1.91 | | .056 | .374 | | 1.013 | | \* |
| 2. secondary | .688 | | .152 | -1.70 | | .09 | .446 | | 1.06 | | \* |
| 3. higher | .49 | | .144 | -2.42 | | .015 | .275 | | .873 | | \*\* |
| respondent cu.. no | 1 | | . | . | | . | . | | . | |  |
| 1. yes | .98 | | .166 | -0.12 | | .903 | .703 | | 1.365 | |  |
| RECODE of v13.. ch~n | 1 | | . | . | | . | . | | . | |  |
| 2. islam | .968 | | .171 | -0.18 | | .854 | .685 | | 1.367 | |  |
| 3. others | 1.909 | | 1.809 | 0.68 | | .495 | .298 | | 12.226 | |  |
| RECODE of v19.. poor | 1 | | . | . | | . | . | | . | |  |
| 2. middle | .873 | | .172 | -0.69 | | .488 | .593 | | 1.283 | |  |
| 3. rich | .919 | | .215 | -0.36 | | .717 | .582 | | 1.452 | |  |
| RECODE of v13.. On~o | 1 | | . | . | | . | . | | . | |  |
| 2. Three-Four | .991 | | .183 | -0.05 | | .962 | .691 | | 1.422 | |  |
| 3. Five and above | 1.394 | | .479 | 0.97 | | .334 | .71 | | 2.735 | |  |
| RECODE of v21.. On~o | 1 | | . | . | | . | . | | . | |  |
| 2. Three-Four | 1.029 | | .197 | 0.15 | | .883 | .707 | | 1.497 | |  |
| 3. Five and above | 1.061 | | .255 | 0.25 | | .806 | .662 | | 1.699 | |  |
| RECODE of med.. no~e | 1 | | . | . | | . | . | | . | |  |
| 1. poor exposure | .771 | | .136 | -1.48 | | .14 | .547 | | 1.089 | |  |
| 2. good exposure | .905 | | .244 | -0.37 | | .711 | .533 | | 1.535 | |  |
| type of place.. ur~n | 1 | | . | . | | . | . | | . | |  |
| 2. rural | .887 | | .175 | -0.61 | | .544 | .603 | | 1.306 | |  |
| RECODE of no\_.. hi~d | 1 | | . | . | | . | . | | . | |  |
| 2. fairly empowered | .894 | | .372 | -0.27 | | .788 | .396 | | 2.02 | |  |
| 3. poorly empowered | 1.383 | | .579 | 0.77 | | .439 | .609 | | 3.143 | |  |
| 4. not empowered | 1.964 | | .878 | 1.51 | | .131 | .817 | | 4.718 | |  |
| RECODE of no\_empow~ | 1 | | . | . | | . | . | | . | |  |
| 1o | 1 | | . | . | | . | . | | . | |  |
| Constant | .638 | | .338 | -0.85 | | .397 | .225 | | 1.804 | |  |
|  | | | | | | | | | | | |
| Mean dependent var | | 0.359 | | | SD dependent var | | | 0.480 | |
| Pseudo r-squared | | 0.059 | | | Number of obs | | | 965 | |
| Chi-square | | 73.902 | | | Prob > chi2 | | | 0.000 | |
| Akaike crit. (AIC) | | 1233.575 | | | Bayesian crit. (BIC) | | | 1350.506 | |
| *\*\*\* p<.01, \*\* p<.05, \* p<.1* | | | | | | | | | | | |
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**NORTH EAST  
Logistic regression**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| no\_treatment | Coef. | | St.Err. | t-value | | p-value | [95% Conf | | Interval] | | Sig |
| RECODE of v01.. 1~24 | 1 | | . | . | | . | . | | . | |  |
| 2. 25-34 | .975 | | .137 | -0.18 | | .858 | .74 | | 1.285 | |  |
| 3. 35-49 | 1.007 | | .19 | 0.03 | | .972 | .695 | | 1.458 | |  |
| highest educa.. no~n | 1 | | . | . | | . | . | | . | |  |
| 1. primary | .984 | | .149 | -0.11 | | .913 | .731 | | 1.324 | |  |
| 2. secondary | .741 | | .141 | -1.57 | | .116 | .509 | | 1.077 | |  |
| 3. higher | .69 | | .335 | -0.76 | | .445 | .266 | | 1.789 | |  |
| RECODE of v70.. no~n | 1 | | . | . | | . | . | | . | |  |
| 1. primary | 1.06 | | .161 | 0.38 | | .703 | .787 | | 1.427 | |  |
| 2. secondary | .784 | | .11 | -1.73 | | .084 | .595 | | 1.033 | | \* |
| 3. higher | .699 | | .154 | -1.63 | | .104 | .454 | | 1.076 | |  |
| respondent cu.. no | 1 | | . | . | | . | . | | . | |  |
| 1. yes | .712 | | .078 | -3.11 | | .002 | .574 | | .882 | | \*\*\* |
| RECODE of v13.. ch~n | 1 | | . | . | | . | . | | . | |  |
| 2. islam | .407 | | .07 | -5.19 | | 0 | .29 | | .572 | | \*\*\* |
| RECODE of v19.. poor | 1 | | . | . | | . | . | | . | |  |
| 2. middle | 1.097 | | .158 | 0.64 | | .521 | .827 | | 1.455 | |  |
| 3. rich | .838 | | .194 | -0.76 | | .445 | .532 | | 1.319 | |  |
| RECODE of v13.. yo~a | 1 | | . | . | | . | . | | . | |  |
| 2. igbo | 2.402 | | 3.078 | 0.68 | | .494 | .195 | | 29.594 | |  |
| 3. hausa/fulani | 1.547 | | .167 | 4.03 | | 0 | 1.251 | | 1.911 | | \*\*\* |
| 4o | 1 | | . | . | | . | . | | . | |  |
| RECODE of v13.. On~o | 1 | | . | . | | . | . | | . | |  |
| 2. Three-Four | 1.318 | | .143 | 2.54 | | .011 | 1.065 | | 1.631 | | \*\* |
| 3. Five and above | 1.236 | | .228 | 1.15 | | .251 | .861 | | 1.776 | |  |
| RECODE of v21.. On~o | 1 | | . | . | | . | . | | . | |  |
| 2. Three-Four | 1.076 | | .152 | 0.52 | | .603 | .816 | | 1.419 | |  |
| 3. Five and above | .806 | | .139 | -1.25 | | .21 | .575 | | 1.13 | |  |
| RECODE of med.. no~e | 1 | | . | . | | . | . | | . | |  |
| 1. poor exposure | .676 | | .074 | -3.56 | | 0 | .545 | | .838 | | \*\*\* |
| 2. good exposure | .367 | | .109 | -3.36 | | .001 | .204 | | .658 | | \*\*\* |
| type of place.. ur~n | 1 | | . | . | | . | . | | . | |  |
| 2. rural | 1.961 | | .357 | 3.70 | | 0 | 1.373 | | 2.803 | | \*\*\* |
| RECODE of no\_.. hi~d | 1 | | . | . | | . | . | | . | |  |
| 2. fairly empowered | .797 | | .419 | -0.43 | | .667 | .285 | | 2.234 | |  |
| 3. poorly empowered | .744 | | .394 | -0.56 | | .576 | .264 | | 2.098 | |  |
| 4. not empowered | .823 | | .443 | -0.36 | | .718 | .287 | | 2.365 | |  |
| RECODE of no\_empow~ | 1 | | . | . | | . | . | | . | |  |
| 1o | 1 | | . | . | | . | . | | . | |  |
| Constant | 1.2 | | .713 | 0.31 | | .759 | .374 | | 3.848 | |  |
|  | | | | | | | | | | | |
| Mean dependent var | | 0.380 | | | SD dependent var | | | 0.485 | |
| Pseudo r-squared | | 0.068 | | | Number of obs | | | 2131 | |
| Chi-square | | 193.182 | | | Prob > chi2 | | | 0.000 | |
| Akaike crit. (AIC) | | 2686.294 | | | Bayesian crit. (BIC) | | | 2827.903 | |
| *\*\*\* p<.01, \*\* p<.05, \* p<.1* | | | | | | | | | | | |
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**NORTH WEST  
Logistic regression**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| no\_treatment | Coef. | | St.Err. | t-value | | p-value | [95% Conf | | Interval] | | Sig |
| RECODE of v01.. 1~24 | 1 | | . | . | | . | . | | . | |  |
| 2. 25-34 | 1.201 | | .142 | 1.55 | | .122 | .953 | | 1.513 | |  |
| 3. 35-49 | 1.12 | | .153 | 0.83 | | .406 | .858 | | 1.463 | |  |
| highest educa.. no~n | 1 | | . | . | | . | . | | . | |  |
| 1. primary | .745 | | .127 | -1.73 | | .083 | .533 | | 1.04 | | \* |
| 2. secondary | .611 | | .138 | -2.19 | | .029 | .393 | | .95 | | \*\* |
| 3. higher | .528 | | .276 | -1.22 | | .221 | .19 | | 1.468 | |  |
| RECODE of v70.. no~n | 1 | | . | . | | . | . | | . | |  |
| 1. primary | .65 | | .101 | -2.76 | | .006 | .479 | | .883 | | \*\*\* |
| 2. secondary | .577 | | .091 | -3.49 | | 0 | .423 | | .786 | | \*\*\* |
| 3. higher | .602 | | .135 | -2.27 | | .023 | .388 | | .933 | | \*\* |
| RECODE of v19.. poor | 1 | | . | . | | . | . | | . | |  |
| 2. middle | .934 | | .134 | -0.48 | | .634 | .705 | | 1.237 | |  |
| 3. rich | .776 | | .171 | -1.15 | | .25 | .504 | | 1.195 | |  |
| RECODE of v13.. yo~a | 1 | | . | . | | . | . | | . | |  |
| 2. igbo | 2.089 | | 3.012 | 0.51 | | .609 | .124 | | 35.271 | |  |
| 3. hausa/fulani | .479 | | .093 | -3.78 | | 0 | .327 | | .702 | | \*\*\* |
| 4o | 1 | | . | . | | . | . | | . | |  |
| RECODE of med.. no~e | 1 | | . | . | | . | . | | . | |  |
| 1. poor exposure | 1.073 | | .113 | 0.66 | | .507 | .872 | | 1.319 | |  |
| 2. good exposure | 1.041 | | .245 | 0.17 | | .863 | .656 | | 1.653 | |  |
| type of place.. ur~n | 1 | | . | . | | . | . | | . | |  |
| 2. rural | .938 | | .135 | -0.45 | | .654 | .707 | | 1.243 | |  |
| RECODE of no\_.. hi~d | 1 | | . | . | | . | . | | . | |  |
| 2. fairly empowered | .536 | | .384 | -0.87 | | .383 | .132 | | 2.18 | |  |
| 3. poorly empowered | .259 | | .185 | -1.89 | | .058 | .064 | | 1.049 | | \* |
| 4. not empowered | .427 | | .306 | -1.19 | | .235 | .105 | | 1.736 | |  |
| Constant | 2.617 | | 1.941 | 1.30 | | .194 | .612 | | 11.196 | |  |
|  | | | | | | | | | | | |
| Mean dependent var | | 0.277 | | | SD dependent var | | | 0.448 | |
| Pseudo r-squared | | 0.044 | | | Number of obs | | | 2205 | |
| Chi-square | | 115.182 | | | Prob > chi2 | | | 0.000 | |
| Akaike crit. (AIC) | | 2525.560 | | | Bayesian crit. (BIC) | | | 2633.831 | |
| *\*\*\* p<.01, \*\* p<.05, \* p<.1* | | | | | | | | | | | |
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**SOUTH EAST  
Logistic regression**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| no\_treatment | Coef. | | St.Err. | t-value | | p-value | [95% Conf | | Interval] | | Sig |
| RECODE of v01.. 1~24 | 1 | | . | . | | . | . | | . | |  |
| 2. 25-34 | .547 | | .159 | -2.08 | | .037 | .31 | | .965 | | \*\* |
| 3. 35-49 | .638 | | .203 | -1.41 | | .158 | .342 | | 1.191 | |  |
| RECODE of v70.. no~n | 1 | | . | . | | . | . | | . | |  |
| 1. primary | .233 | | .138 | -2.45 | | .014 | .073 | | .747 | | \*\* |
| 2. secondary | .231 | | .135 | -2.50 | | .012 | .073 | | .728 | | \*\* |
| 3. higher | .253 | | .169 | -2.06 | | .039 | .068 | | .935 | | \*\* |
| current marit.. ma~d | 1 | | . | . | | . | . | | . | |  |
| 2. living with par~r | 1.432 | | .563 | 0.91 | | .362 | .662 | | 3.096 | |  |
| RECODE of v19.. poor | 1 | | . | . | | . | . | | . | |  |
| 2. middle | .71 | | .202 | -1.20 | | .229 | .406 | | 1.241 | |  |
| 3. rich | .649 | | .196 | -1.43 | | .152 | .359 | | 1.173 | |  |
| RECODE of med.. no~e | 1 | | . | . | | . | . | | . | |  |
| 1. poor exposure | 1.028 | | .312 | 0.09 | | .928 | .567 | | 1.862 | |  |
| 2. good exposure | .502 | | .181 | -1.91 | | .056 | .247 | | 1.019 | | \* |
| RECODE of no\_.. hi~d | 1 | | . | . | | . | . | | . | |  |
| 2. fairly empowered | 1.073 | | .368 | 0.21 | | .837 | .548 | | 2.1 | |  |
| 3. poorly empowered | 1.796 | | .672 | 1.57 | | .117 | .863 | | 3.738 | |  |
| 4. not empowered | 3.637 | | 3.496 | 1.34 | | .179 | .553 | | 23.934 | |  |
| RECODE of no\_empow~ | 1 | | . | . | | . | . | | . | |  |
| 1o | 1 | | . | . | | . | . | | . | |  |
| Constant | 3.594 | | 2.632 | 1.75 | | .081 | .855 | | 15.101 | | \* |
|  | | | | | | | | | | | |
| Mean dependent var | | 0.294 | | | SD dependent var | | | 0.456 | |
| Pseudo r-squared | | 0.064 | | | Number of obs | | | 541 | |
| Chi-square | | 41.924 | | | Prob > chi2 | | | 0.000 | |
| Akaike crit. (AIC) | | 641.343 | | | Bayesian crit. (BIC) | | | 701.451 | |
| *\*\*\* p<.01, \*\* p<.05, \* p<.1* | | | | | | | | | | | |
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**SOUTH SOUTH  
Logistic regression**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| no\_treatment | Coef. | | St.Err. | t-value | | p-value | [95% Conf | | Interval] | | Sig |
| highest educa.. no~n | 1 | | . | . | | . | . | | . | |  |
| 1. primary | .651 | | .405 | -0.69 | | .491 | .192 | | 2.206 | |  |
| 2. secondary | .635 | | .39 | -0.74 | | .459 | .191 | | 2.113 | |  |
| 3. higher | .429 | | .353 | -1.03 | | .304 | .085 | | 2.155 | |  |
| RECODE of v70.. no~n | 1 | | . | . | | . | . | | . | |  |
| 1. primary | .926 | | .571 | -0.12 | | .901 | .277 | | 3.099 | |  |
| 2. secondary | .944 | | .551 | -0.10 | | .922 | .301 | | 2.964 | |  |
| 3. higher | .537 | | .371 | -0.90 | | .368 | .138 | | 2.08 | |  |
| respondent cu.. no | 1 | | . | . | | . | . | | . | |  |
| 1. yes | .578 | | .154 | -2.06 | | .039 | .343 | | .974 | | \*\* |
| RECODE of v13.. ch~n | 1 | | . | . | | . | . | | . | |  |
| 2. islam | 1.986 | | 1.228 | 1.11 | | .267 | .591 | | 6.671 | |  |
| 3. others | 12.034 | | 15.466 | 1.94 | | .053 | .969 | | 149.398 | | \* |
| RECODE of v19.. poor | 1 | | . | . | | . | . | | . | |  |
| 2. middle | 1.202 | | .392 | 0.57 | | .572 | .635 | | 2.277 | |  |
| 3. rich | .857 | | .288 | -0.46 | | .646 | .443 | | 1.657 | |  |
| RECODE of med.. no~e | 1 | | . | . | | . | . | | . | |  |
| 1. poor exposure | .827 | | .273 | -0.58 | | .564 | .433 | | 1.578 | |  |
| 2. good exposure | .776 | | .302 | -0.65 | | .514 | .361 | | 1.665 | |  |
| type of place.. ur~n | 1 | | . | . | | . | . | | . | |  |
| 2. rural | 1.59 | | .434 | 1.70 | | .089 | .932 | | 2.714 | | \* |
| RECODE of no\_.. hi~d | 1 | | . | . | | . | . | | . | |  |
| 2. fairly empowered | .608 | | .24 | -1.26 | | .207 | .28 | | 1.317 | |  |
| 3. poorly empowered | .771 | | .33 | -0.61 | | .542 | .333 | | 1.782 | |  |
| 4. not empowered | .861 | | .658 | -0.20 | | .845 | .192 | | 3.853 | |  |
| RECODE of no\_empow~ | 1 | | . | . | | . | . | | . | |  |
| 1o | 1 | | . | . | | . | . | | . | |  |
| Constant | .91 | | .816 | -0.10 | | .916 | .157 | | 5.276 | |  |
|  | | | | | | | | | | | |
| Mean dependent var | | 0.213 | | | SD dependent var | | | 0.410 | |
| Pseudo r-squared | | 0.063 | | | Number of obs | | | 516 | |
| Chi-square | | 33.635 | | | Prob > chi2 | | | 0.009 | |
| Akaike crit. (AIC) | | 537.083 | | | Bayesian crit. (BIC) | | | 613.513 | |
| *\*\*\* p<.01, \*\* p<.05, \* p<.1* | | | | | | | | | | | |
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**SOUTH WEST  
Logistic regression**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| no\_treatment | Coef. | | St.Err. | t-value | | p-value | [95% Conf | | Interval] | | Sig |
| highest educa.. no~n | 1 | | . | . | | . | . | | . | |  |
| 1. primary | .674 | | .351 | -0.76 | | .449 | .242 | | 1.872 | |  |
| 2. secondary | 1.188 | | .587 | 0.35 | | .727 | .451 | | 3.13 | |  |
| 3. higher | 1.12 | | .687 | 0.19 | | .853 | .337 | | 3.727 | |  |
| RECODE of v70.. no~n | 1 | | . | . | | . | . | | . | |  |
| 1. primary | 1.1 | | .584 | 0.18 | | .857 | .389 | | 3.115 | |  |
| 2. secondary | 1.282 | | .572 | 0.56 | | .578 | .534 | | 3.074 | |  |
| 3. higher | .609 | | .315 | -0.96 | | .338 | .221 | | 1.681 | |  |
| RECODE of v19.. poor | 1 | | . | . | | . | . | | . | |  |
| 2. middle | .905 | | .353 | -0.25 | | .799 | .421 | | 1.946 | |  |
| 3. rich | .696 | | .247 | -1.02 | | .306 | .347 | | 1.394 | |  |
| RECODE of v21.. On~o | 1 | | . | . | | . | . | | . | |  |
| 2. Three-Four | 1.217 | | .325 | 0.74 | | .462 | .721 | | 2.053 | |  |
| 3. Five and above | 1.448 | | .489 | 1.10 | | .273 | .747 | | 2.806 | |  |
| RECODE of med.. no~e | 1 | | . | . | | . | . | | . | |  |
| 1. poor exposure | .64 | | .26 | -1.10 | | .272 | .288 | | 1.421 | |  |
| 2. good exposure | .448 | | .2 | -1.80 | | .072 | .187 | | 1.073 | | \* |
| Constant | .857 | | .477 | -0.28 | | .782 | .288 | | 2.55 | |  |
|  | | | | | | | | | | | |
| Mean dependent var | | 0.328 | | | SD dependent var | | | 0.470 | |
| Pseudo r-squared | | 0.043 | | | Number of obs | | | 351 | |
| Chi-square | | 19.037 | | | Prob > chi2 | | | 0.088 | |
| Akaike crit. (AIC) | | 450.972 | | | Bayesian crit. (BIC) | | | 501.162 | |
| *\*\*\* p<.01, \*\* p<.05, \* p<.1* | | | | | | | | | | | |
|  | | | | | | | | | | | |