**Frequencies**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Ever heard of AIDS** | | | | | |
|  | | Frequency | Percent | Valid Percent | Cumulative Percent |
| Valid | Yes | 28924 | 55.8 | 55.8 | 55.8 |
| No | 22865 | 44.1 | 44.1 | 100.0 |
| Missing | 2 | .0 | .0 | 100.0 |
| Total | 51791 | 100.0 | 100.0 |  |

**Frequencies**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **heard\_HIV** | | | | | |
|  | | Frequency | Percent | Valid Percent | Cumulative Percent |
| Valid | Yes | 28924 | 55.8 | 55.8 | 55.8 |
| No | 22867 | 44.2 | 44.2 | 100.0 |
| Total | 51791 | 100.0 | 100.0 |  |

**Frequencies**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Area** | | | | | |
|  | | Frequency | Percent | Valid Percent | Cumulative Percent |
| Valid | Urban | 11856 | 22.9 | 22.9 | 22.9 |
| Rural | 39935 | 77.1 | 77.1 | 100.0 |
| Total | 51791 | 100.0 | 100.0 |  |

**Crosstabs**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Area \* heard\_HIV Crosstabulation** | | | | | |
|  | | | heard\_HIV | | Total |
| Yes | No |
| Area | Urban | Count | 8624 | 3232 | 11856 |
| % within Area | 72.7% | 27.3% | 100.0% |
| Rural | Count | 20300 | 19635 | 39935 |
| % within Area | 50.8% | 49.2% | 100.0% |
| Total | | Count | 28924 | 22867 | 51791 |
| % within Area | 55.8% | 44.2% | 100.0% |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Chi-Square Tests** | | | | | |
|  | Value | df | Asymptotic Significance (2-sided) | Exact Sig. (2-sided) | Exact Sig. (1-sided) |
| Pearson Chi-Square | 1779.271a | 1 | .000 |  |  |
| Continuity Correctionb | 1778.382 | 1 | .000 |  |  |
| Likelihood Ratio | 1845.731 | 1 | .000 |  |  |
| Fisher's Exact Test |  |  |  | .000 | .000 |
| Linear-by-Linear Association | 1779.236 | 1 | .000 |  |  |
| N of Valid Cases | 51791 |  |  |  |  |
| a. 0 cells (0.0%) have expected count less than 5. The minimum expected count is 5234.72. | | | | | |
| b. Computed only for a 2x2 table | | | | | |

**Frequencies**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Division** | | | | | |
|  | | Frequency | Percent | Valid Percent | Cumulative Percent |
| Valid | Barisal | 3083 | 6.0 | 6.0 | 6.0 |
| Chittagong | 9794 | 18.9 | 18.9 | 24.9 |
| Dhaka | 16411 | 31.7 | 31.7 | 56.6 |
| Khulna | 6046 | 11.7 | 11.7 | 68.2 |
| Rajshahi | 7088 | 13.7 | 13.7 | 81.9 |
| Rangpur | 6156 | 11.9 | 11.9 | 93.8 |
| Sylhet | 3212 | 6.2 | 6.2 | 100.0 |
| Total | 51791 | 100.0 | 100.0 |  |

**Crosstabs**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Division \* heard\_HIV Crosstabulation** | | | | | |
|  | | | heard\_HIV | | Total |
| Yes | No |
| Division | Barishal | Count | 1548 | 1535 | 3083 |
| % within Division | 50.2% | 49.8% | 100.0% |
| Chattogram | Count | 5688 | 4106 | 9794 |
| % within Division | 58.1% | 41.9% | 100.0% |
| Dhaka | Count | 9614 | 6798 | 16412 |
| % within Division | 58.6% | 41.4% | 100.0% |
| Khulna | Count | 4629 | 1417 | 6046 |
| % within Division | 76.6% | 23.4% | 100.0% |
| Rajshahi | Count | 3711 | 3377 | 7088 |
| % within Division | 52.4% | 47.6% | 100.0% |
| Rangpur | Count | 2360 | 3796 | 6156 |
| % within Division | 38.3% | 61.7% | 100.0% |
| Sylhet | Count | 1374 | 1839 | 3213 |
| % within Division | 42.8% | 57.2% | 100.0% |
| Total | | Count | 28924 | 22868 | 51792 |
| % within Division | 55.8% | 44.2% | 100.0% |

|  |  |  |  |
| --- | --- | --- | --- |
| **Chi-Square Tests** | | | |
|  | Value | df | Asymptotic Significance (2-sided) |
| Pearson Chi-Square | 2184.933a | 6 | .000 |
| Likelihood Ratio | 2251.307 | 6 | .000 |
| Linear-by-Linear Association | 618.768 | 1 | .000 |
| N of Valid Cases | 51792 |  |  |
| a. 0 cells (0.0%) have expected count less than 5. The minimum expected count is 1361.25. | | | |

**Frequencies**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Age** | | | | | |
|  | | Frequency | Percent | Valid Percent | Cumulative Percent |
| Valid | 15-19 | 9071 | 17.5 | 17.5 | 17.5 |
| 20-24 | 8831 | 17.1 | 17.1 | 34.6 |
| 25-29 | 9354 | 18.1 | 18.1 | 52.6 |
| 30-34 | 7432 | 14.4 | 14.4 | 67.0 |
| 35-39 | 6950 | 13.4 | 13.4 | 80.4 |
| 40-44 | 5697 | 11.0 | 11.0 | 91.4 |
| 45-49 | 4456 | 8.6 | 8.6 | 100.0 |
| Total | 51791 | 100.0 | 100.0 |  |

**Crosstabs**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Age \* heard\_HIV Crosstabulation** | | | | | |
|  | | | heard\_HIV | | Total |
| Yes | No |
| Age | 15-19 | Count | 6544 | 2527 | 9071 |
| % within Age | 72.1% | 27.9% | 100.0% |
| 20-24 | Count | 5882 | 2949 | 8831 |
| % within Age | 66.6% | 33.4% | 100.0% |
| 25-29 | Count | 5680 | 3674 | 9354 |
| % within Age | 60.7% | 39.3% | 100.0% |
| 30-34 | Count | 4019 | 3413 | 7432 |
| % within Age | 54.1% | 45.9% | 100.0% |
| 35-39 | Count | 3019 | 3931 | 6950 |
| % within Age | 43.4% | 56.6% | 100.0% |
| 40-44 | Count | 2273 | 3424 | 5697 |
| % within Age | 39.9% | 60.1% | 100.0% |
| 45-49 | Count | 1507 | 2949 | 4456 |
| % within Age | 33.8% | 66.2% | 100.0% |
| Total | | Count | 28924 | 22867 | 51791 |
| % within Age | 55.8% | 44.2% | 100.0% |

|  |  |  |  |
| --- | --- | --- | --- |
| **Chi-Square Tests** | | | |
|  | Value | df | Asymptotic Significance (2-sided) |
| Pearson Chi-Square | 3389.469a | 6 | .000 |
| Likelihood Ratio | 3437.360 | 6 | .000 |
| Linear-by-Linear Association | 3353.808 | 1 | .000 |
| N of Valid Cases | 51791 |  |  |
| a. 0 cells (0.0%) have expected count less than 5. The minimum expected count is 1967.43. | | | |

**Crosstabs**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **women\_age \* heard\_HIV Crosstabulation** | | | | | |
|  | | | heard\_HIV | | Total |
| Yes | No |
| women\_age | 15-24 | Count | 12426 | 5476 | 17902 |
| % within women\_age | 69.4% | 30.6% | 100.0% |
| 25-34 | Count | 9699 | 7087 | 16786 |
| % within women\_age | 57.8% | 42.2% | 100.0% |
| 35-44 | Count | 5292 | 7355 | 12647 |
| % within women\_age | 41.8% | 58.2% | 100.0% |
| 44+ | Count | 1507 | 2949 | 4456 |
| % within women\_age | 33.8% | 66.2% | 100.0% |
| Total | | Count | 28924 | 22867 | 51791 |
| % within women\_age | 55.8% | 44.2% | 100.0% |

|  |  |  |  |
| --- | --- | --- | --- |
| **Chi-Square Tests** | | | |
|  | Value | df | Asymptotic Significance (2-sided) |
| Pearson Chi-Square | 3243.764a | 3 | .000 |
| Likelihood Ratio | 3281.672 | 3 | .000 |
| Linear-by-Linear Association | 3200.709 | 1 | .000 |
| N of Valid Cases | 51791 |  |  |
| a. 0 cells (0.0%) have expected count less than 5. The minimum expected count is 1967.43. | | | |

**Frequencies**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Education** | | | | | |
|  | | Frequency | Percent | Valid Percent | Cumulative Percent |
| Valid | None | 13544 | 26.2 | 26.2 | 26.2 |
| Primary incomplete | 6735 | 13.0 | 13.0 | 39.2 |
| Primary complete | 6882 | 13.3 | 13.3 | 52.4 |
| Secondary incomplete | 16420 | 31.7 | 31.7 | 84.1 |
| Secondary complete or higher | 8210 | 15.9 | 15.9 | 100.0 |
| Total | 51791 | 100.0 | 100.0 |  |

**Crosstabs**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Education \* heard\_HIV Crosstabulation** | | | | | |
|  | | | heard\_HIV | | Total |
| Yes | No |
| Education | None | Count | 2833 | 10711 | 13544 |
| % within Education | 20.9% | 79.1% | 100.0% |
| Primary incomplete | Count | 2680 | 4056 | 6736 |
| % within Education | 39.8% | 60.2% | 100.0% |
| Primary complete | Count | 3184 | 3698 | 6882 |
| % within Education | 46.3% | 53.7% | 100.0% |
| Secondary incomplete | Count | 12370 | 4051 | 16421 |
| % within Education | 75.3% | 24.7% | 100.0% |
| Secondary complete or higher | Count | 7858 | 351 | 8209 |
| % within Education | 95.7% | 4.3% | 100.0% |
| Total | | Count | 28925 | 22867 | 51792 |
| % within Education | 55.8% | 44.2% | 100.0% |

|  |  |  |  |
| --- | --- | --- | --- |
| **Chi-Square Tests** | | | |
|  | Value | df | Asymptotic Significance (2-sided) |
| Pearson Chi-Square | 15484.548a | 4 | .000 |
| Likelihood Ratio | 17391.793 | 4 | .000 |
| Linear-by-Linear Association | 15157.149 | 1 | .000 |
| N of Valid Cases | 51792 |  |  |
| a. 0 cells (0.0%) have expected count less than 5. The minimum expected count is 2974.05. | | | |

**Frequencies**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Currently married** | | | | | |
|  | | Frequency | Percent | Valid Percent | Cumulative Percent |
| Valid | Married | 42263 | 81.6 | 81.6 | 81.6 |
| Unmarried | 9528 | 18.4 | 18.4 | 100.0 |
| Total | 51791 | 100.0 | 100.0 |  |

**Crosstabs**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Currently married \* heard\_HIV Crosstabulation** | | | | | |
|  | | | heard\_HIV | | Total |
| Yes | No |
| Currently married | Married | Count | 22213 | 20049 | 42262 |
| % within Currently married | 52.6% | 47.4% | 100.0% |
| Unmarried | Count | 6711 | 2817 | 9528 |
| % within Currently married | 70.4% | 29.6% | 100.0% |
| Total | | Count | 28924 | 22866 | 51790 |
| % within Currently married | 55.8% | 44.2% | 100.0% |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Chi-Square Tests** | | | | | |
|  | Value | df | Asymptotic Significance (2-sided) | Exact Sig. (2-sided) | Exact Sig. (1-sided) |
| Pearson Chi-Square | 1007.411a | 1 | .000 |  |  |
| Continuity Correctionb | 1006.686 | 1 | .000 |  |  |
| Likelihood Ratio | 1039.609 | 1 | .000 |  |  |
| Fisher's Exact Test |  |  |  | .000 | .000 |
| Linear-by-Linear Association | 1007.392 | 1 | .000 |  |  |
| N of Valid Cases | 51790 |  |  |  |  |
| a. 0 cells (0.0%) have expected count less than 5. The minimum expected count is 4206.74. | | | | | |
| b. Computed only for a 2x2 table | | | | | |

**Frequencies**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Wealth index quintile** | | | | | |
|  | | Frequency | Percent | Valid Percent | Cumulative Percent |
| Valid | Poorest | 9467 | 18.3 | 18.3 | 18.3 |
| Second | 9872 | 19.1 | 19.1 | 37.3 |
| Middle | 10264 | 19.8 | 19.8 | 57.2 |
| Fourth | 10699 | 20.7 | 20.7 | 77.8 |
| Richest | 11490 | 22.2 | 22.2 | 100.0 |
| Total | 51791 | 100.0 | 100.0 |  |

**Crosstabs**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Wealth index quintile \* heard\_HIV Crosstabulation** | | | | | |
|  | | | heard\_HIV | | Total |
| Yes | No |
| Wealth index quintile | Poorest | Count | 2645 | 6822 | 9467 |
| % within Wealth index quintile | 27.9% | 72.1% | 100.0% |
| Second | Count | 3985 | 5887 | 9872 |
| % within Wealth index quintile | 40.4% | 59.6% | 100.0% |
| Middle | Count | 5533 | 4731 | 10264 |
| % within Wealth index quintile | 53.9% | 46.1% | 100.0% |
| Fourth | Count | 7093 | 3607 | 10700 |
| % within Wealth index quintile | 66.3% | 33.7% | 100.0% |
| Richest | Count | 9669 | 1821 | 11490 |
| % within Wealth index quintile | 84.2% | 15.8% | 100.0% |
| Total | | Count | 28925 | 22868 | 51793 |
| % within Wealth index quintile | 55.8% | 44.2% | 100.0% |

|  |  |  |  |
| --- | --- | --- | --- |
| **Chi-Square Tests** | | | |
|  | Value | df | Asymptotic Significance (2-sided) |
| Pearson Chi-Square | 8171.623a | 4 | .000 |
| Likelihood Ratio | 8669.010 | 4 | .000 |
| Linear-by-Linear Association | 8128.632 | 1 | .000 |
| N of Valid Cases | 51793 |  |  |
| a. 0 cells (0.0%) have expected count less than 5. The minimum expected count is 4179.93. | | | |

**Frequencies**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Religion of household head** | | | | | |
|  | | Frequency | Percent | Valid Percent | Cumulative Percent |
| Valid | Islam | 46567 | 89.9 | 89.9 | 89.9 |
| Hinduism | 4649 | 9.0 | 9.0 | 98.9 |
| Buddhism | 309 | .6 | .6 | 99.5 |
| Christianity | 224 | .4 | .4 | 99.9 |
| Others | 38 | .1 | .1 | 100.0 |
| No religion | 5 | .0 | .0 | 100.0 |
| Total | 51791 | 100.0 | 100.0 |  |

**Crosstabs**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **religion\_cat \* heard\_HIV Crosstabulation** | | | | | |
|  | | | heard\_HIV | | Total |
| Yes | No |
| religion\_cat | Islam | Count | 25773 | 20794 | 46567 |
| % within religion\_cat | 55.3% | 44.7% | 100.0% |
| Others | Count | 3151 | 2072 | 5223 |
| % within religion\_cat | 60.3% | 39.7% | 100.0% |
| Total | | Count | 28924 | 22866 | 51790 |
| % within religion\_cat | 55.8% | 44.2% | 100.0% |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Chi-Square Tests** | | | | | |
|  | Value | df | Asymptotic Significance (2-sided) | Exact Sig. (2-sided) | Exact Sig. (1-sided) |
| Pearson Chi-Square | 47.296a | 1 | .000 |  |  |
| Continuity Correctionb | 47.094 | 1 | .000 |  |  |
| Likelihood Ratio | 47.656 | 1 | .000 |  |  |
| Fisher's Exact Test |  |  |  | .000 | .000 |
| Linear-by-Linear Association | 47.295 | 1 | .000 |  |  |
| N of Valid Cases | 51790 |  |  |  |  |
| a. 0 cells (0.0%) have expected count less than 5. The minimum expected count is 2306.03. | | | | | |
| b. Computed only for a 2x2 table | | | | | |

**Frequencies**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Education of household head** | | | | | |
|  | | Frequency | Percent | Valid Percent | Cumulative Percent |
| Valid | Pre-primary or none | 13833 | 26.7 | 35.5 | 35.5 |
| Primary | 10588 | 20.4 | 27.2 | 62.7 |
| Secondary | 10087 | 19.5 | 25.9 | 88.6 |
| Higher+ | 4460 | 8.6 | 11.4 | 100.0 |
| Total | 38967 | 75.2 | 100.0 |  |
| Missing | System | 12824 | 24.8 |  |  |
| Total | | 51791 | 100.0 |  |  |

**Crosstabs**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Education of household head \* heard\_HIV Crosstabulation** | | | | | |
|  | | | heard\_HIV | | Total |
| Yes | No |
| Education of household head | Pre-primary or none | Count | 6999 | 6834 | 13833 |
| % within Education of household head | 50.6% | 49.4% | 100.0% |
| Primary | Count | 5422 | 5166 | 10588 |
| % within Education of household head | 51.2% | 48.8% | 100.0% |
| Secondary | Count | 5335 | 4752 | 10087 |
| % within Education of household head | 52.9% | 47.1% | 100.0% |
| Higher+ | Count | 2248 | 2212 | 4460 |
| % within Education of household head | 50.4% | 49.6% | 100.0% |
| Total | | Count | 20004 | 18964 | 38968 |
| % within Education of household head | 51.3% | 48.7% | 100.0% |

|  |  |  |  |
| --- | --- | --- | --- |
| **Chi-Square Tests** | | | |
|  | Value | df | Asymptotic Significance (2-sided) |
| Pearson Chi-Square | 14.398a | 3 | .002 |
| Likelihood Ratio | 14.404 | 3 | .002 |
| Linear-by-Linear Association | 3.017 | 1 | .082 |
| N of Valid Cases | 38968 |  |  |
| a. 0 cells (0.0%) have expected count less than 5. The minimum expected count is 2170.48. | | | |

**Frequencies**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Sex of household head** | | | | | |
|  | | Frequency | Percent | Valid Percent | Cumulative Percent |
| Valid | Male | 33702 | 65.1 | 86.5 | 86.5 |
| Female | 5266 | 10.2 | 13.5 | 100.0 |
| Total | 38967 | 75.2 | 100.0 |  |
| Missing | System | 12824 | 24.8 |  |  |
| Total | | 51791 | 100.0 |  |  |

**Crosstabs**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Sex of household head \* heard\_HIV Crosstabulation** | | | | | |
|  | | | heard\_HIV | | Total |
| Yes | No |
| Sex of household head | Male | Count | 17228 | 16474 | 33702 |
| % within Sex of household head | 51.1% | 48.9% | 100.0% |
| Female | Count | 2776 | 2489 | 5265 |
| % within Sex of household head | 52.7% | 47.3% | 100.0% |
| Total | | Count | 20004 | 18963 | 38967 |
| % within Sex of household head | 51.3% | 48.7% | 100.0% |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Chi-Square Tests** | | | | | |
|  | Value | df | Asymptotic Significance (2-sided) | Exact Sig. (2-sided) | Exact Sig. (1-sided) |
| Pearson Chi-Square | 4.707a | 1 | .030 |  |  |
| Continuity Correctionb | 4.643 | 1 | .031 |  |  |
| Likelihood Ratio | 4.709 | 1 | .030 |  |  |
| Fisher's Exact Test |  |  |  | .030 | .016 |
| Linear-by-Linear Association | 4.707 | 1 | .030 |  |  |
| N of Valid Cases | 38967 |  |  |  |  |
| a. 0 cells (0.0%) have expected count less than 5. The minimum expected count is 2562.17. | | | | | |
| b. Computed only for a 2x2 table | | | | | |

**Frequencies**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Ethnicity of household head** | | | | | |
|  | | Frequency | Percent | Valid Percent | Cumulative Percent |
| Valid | Bengali | 37941 | 73.3 | 97.4 | 97.4 |
| Other | 1027 | 2.0 | 2.6 | 100.0 |
| Total | 38967 | 75.2 | 100.0 |  |
| Missing | System | 12824 | 24.8 |  |  |
| Total | | 51791 | 100.0 |  |  |

**Crosstabs**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Ethnicity of household head \* heard\_HIV Crosstabulation** | | | | | |
|  | | | heard\_HIV | | Total |
| Yes | No |
| Ethnicity of household head | Bengali | Count | 19497 | 18443 | 37940 |
| % within Ethnicity of household head | 51.4% | 48.6% | 100.0% |
| Other | Count | 506 | 520 | 1026 |
| % within Ethnicity of household head | 49.3% | 50.7% | 100.0% |
| Total | | Count | 20003 | 18963 | 38966 |
| % within Ethnicity of household head | 51.3% | 48.7% | 100.0% |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Chi-Square Tests** | | | | | |
|  | Value | df | Asymptotic Significance (2-sided) | Exact Sig. (2-sided) | Exact Sig. (1-sided) |
| Pearson Chi-Square | 1.716a | 1 | .190 |  |  |
| Continuity Correctionb | 1.634 | 1 | .201 |  |  |
| Likelihood Ratio | 1.715 | 1 | .190 |  |  |
| Fisher's Exact Test |  |  |  | .194 | .101 |
| Linear-by-Linear Association | 1.716 | 1 | .190 |  |  |
| N of Valid Cases | 38966 |  |  |  |  |
| a. 0 cells (0.0%) have expected count less than 5. The minimum expected count is 499.31. | | | | | |
| b. Computed only for a 2x2 table | | | | | |

**Frequencies**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Frequency of reading newspaper or magazine** | | | | | |
|  | | Frequency | Percent | Valid Percent | Cumulative Percent |
| Valid | Almost every day | 1927 | 3.7 | 5.5 | 5.5 |
| At least once a week | 2063 | 4.0 | 5.8 | 11.3 |
| Less than once a week | 3242 | 6.3 | 9.2 | 20.5 |
| Not at all | 28019 | 54.1 | 79.3 | 99.7 |
| Missing | 102 | .2 | .3 | 100.0 |
| Total | 35353 | 68.3 | 100.0 |  |
| Missing | System | 16438 | 31.7 |  |  |
| Total | | 51791 | 100.0 |  |  |

**Frequencies**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Newspaper** | | | | | |
|  | | Frequency | Percent | Valid Percent | Cumulative Percent |
| Valid | No | 44559 | 86.0 | 86.0 | 86.0 |
| Yes | 7232 | 14.0 | 14.0 | 100.0 |
| Total | 51791 | 100.0 | 100.0 |  |

**Frequencies**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Frequency of listening to the radio** | | | | | |
|  | | Frequency | Percent | Valid Percent | Cumulative Percent |
| Valid | Almost every day | 1445 | 2.8 | 2.8 | 2.8 |
| At least once a week | 1186 | 2.3 | 2.3 | 5.1 |
| Less than once a week | 1274 | 2.5 | 2.5 | 7.5 |
| Not at all | 47853 | 92.4 | 92.4 | 99.9 |
| Missing | 34 | .1 | .1 | 100.0 |
| Total | 51791 | 100.0 | 100.0 |  |

**Frequencies**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Radio** | | | | | |
|  | | Frequency | Percent | Valid Percent | Cumulative Percent |
| Valid | No | 47886 | 92.5 | 92.5 | 92.5 |
| Yes | 3905 | 7.5 | 7.5 | 100.0 |
| Total | 51791 | 100.0 | 100.0 |  |

**Frequencies**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Frequency of watching TV** | | | | | |
|  | | Frequency | Percent | Valid Percent | Cumulative Percent |
| Valid | Almost every day | 21456 | 41.4 | 41.4 | 41.4 |
| At least once a week | 4481 | 8.7 | 8.7 | 50.1 |
| Less than once a week | 3220 | 6.2 | 6.2 | 56.3 |
| Not at all | 22591 | 43.6 | 43.6 | 99.9 |
| Missing | 42 | .1 | .1 | 100.0 |
| Total | 51791 | 100.0 | 100.0 |  |

**Frequencies**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **TV** | | | | | |
|  | | Frequency | Percent | Valid Percent | Cumulative Percent |
| Valid | No | 22634 | 43.7 | 43.7 | 43.7 |
| Yes | 29157 | 56.3 | 56.3 | 100.0 |
| Total | 51791 | 100.0 | 100.0 |  |

**Frequencies**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **MassMedia** | | | | | |
|  | | Frequency | Percent | Valid Percent | Cumulative Percent |
| Valid | .00 | 21161 | 40.9 | 40.9 | 40.9 |
| 1.00 | 22648 | 43.7 | 43.7 | 84.6 |
| 2.00 | 6298 | 12.2 | 12.2 | 96.8 |
| 3.00 | 1683 | 3.2 | 3.2 | 100.0 |
| Total | 51791 | 100.0 | 100.0 |  |

**Frequencies**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **MMA** | | | | | |
|  | | Frequency | Percent | Valid Percent | Cumulative Percent |
| Valid | No | 21161 | 40.9 | 40.9 | 40.9 |
| Yes | 30630 | 59.1 | 59.1 | 100.0 |
| Total | 51791 | 100.0 | 100.0 |  |

**Crosstabs**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **MMA \* heard\_HIV Crosstabulation** | | | | | |
|  | | | heard\_HIV | | Total |
| Yes | No |
| MMA | No | Count | 6917 | 14244 | 21161 |
| % within MMA | 32.7% | 67.3% | 100.0% |
| Yes | Count | 22008 | 8622 | 30630 |
| % within MMA | 71.9% | 28.1% | 100.0% |
| Total | | Count | 28925 | 22866 | 51791 |
| % within MMA | 55.8% | 44.2% | 100.0% |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Chi-Square Tests** | | | | | |
|  | Value | df | Asymptotic Significance (2-sided) | Exact Sig. (2-sided) | Exact Sig. (1-sided) |
| Pearson Chi-Square | 7784.665a | 1 | .000 |  |  |
| Continuity Correctionb | 7783.076 | 1 | .000 |  |  |
| Likelihood Ratio | 7931.880 | 1 | .000 |  |  |
| Fisher's Exact Test |  |  |  | .000 | .000 |
| Linear-by-Linear Association | 7784.514 | 1 | .000 |  |  |
| N of Valid Cases | 51791 |  |  |  |  |
| a. 0 cells (0.0%) have expected count less than 5. The minimum expected count is 9342.69. | | | | | |
| b. Computed only for a 2x2 table | | | | | |

**Frequencies**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Can avoid AIDS virus by having one uninfected partner** | | | | | |
|  | | Frequency | Percent | Valid Percent | Cumulative Percent |
| Valid | Yes | 16748 | 32.3 | 57.9 | 57.9 |
| No | 5547 | 10.7 | 19.2 | 77.1 |
| DK | 6623 | 12.8 | 22.9 | 100.0 |
| Missing | 6 | .0 | .0 | 100.0 |
| Total | 28924 | 55.8 | 100.0 |  |
| Missing | System | 22867 | 44.2 |  |  |
| Total | | 51791 | 100.0 |  |  |

**Frequencies**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **uninfected\_partner** | | | | | |
|  | | Frequency | Percent | Valid Percent | Cumulative Percent |
| Valid | No | 35043 | 67.7 | 67.7 | 67.7 |
| Yes | 16748 | 32.3 | 32.3 | 100.0 |
| Total | 51791 | 100.0 | 100.0 |  |

**Frequencies**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Can get AIDS virus from mosquito bites** | | | | | |
|  | | Frequency | Percent | Valid Percent | Cumulative Percent |
| Valid | Yes | 11170 | 21.6 | 38.6 | 38.6 |
| No | 13323 | 25.7 | 46.1 | 84.7 |
| DK | 4412 | 8.5 | 15.3 | 99.9 |
| Missing | 18 | .0 | .1 | 100.0 |
| Total | 28924 | 55.8 | 100.0 |  |
| Missing | System | 22867 | 44.2 |  |  |
| Total | | 51791 | 100.0 |  |  |

**Frequencies**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **mosquito\_bites** | | | | | |
|  | | Frequency | Percent | Valid Percent | Cumulative Percent |
| Valid | No | 38468 | 74.3 | 74.3 | 74.3 |
| Yes | 13323 | 25.7 | 25.7 | 100.0 |
| Total | 51791 | 100.0 | 100.0 |  |

**Frequencies**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Can avoid AIDS virus by using a condom correctly every time** | | | | | |
|  | | Frequency | Percent | Valid Percent | Cumulative Percent |
| Valid | Yes | 15168 | 29.3 | 52.4 | 52.4 |
| No | 5642 | 10.9 | 19.5 | 71.9 |
| DK | 8090 | 15.6 | 28.0 | 99.9 |
| Missing | 24 | .0 | .1 | 100.0 |
| Total | 28924 | 55.8 | 100.0 |  |
| Missing | System | 22867 | 44.2 |  |  |
| Total | | 51791 | 100.0 |  |  |

**Frequencies**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **condom\_correctly** | | | | | |
|  | | Frequency | Percent | Valid Percent | Cumulative Percent |
| Valid | No | 36623 | 70.7 | 70.7 | 70.7 |
| Yes | 15168 | 29.3 | 29.3 | 100.0 |
| Total | 51791 | 100.0 | 100.0 |  |

**Frequencies**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Can get AIDS virus by sharing food with a person who has AIDS** | | | | | |
|  | | Frequency | Percent | Valid Percent | Cumulative Percent |
| Valid | Yes | 8458 | 16.3 | 29.2 | 29.2 |
| No | 16040 | 31.0 | 55.5 | 84.7 |
| DK | 4397 | 8.5 | 15.2 | 99.9 |
| Missing | 29 | .1 | .1 | 100.0 |
| Total | 28924 | 55.8 | 100.0 |  |
| Missing | System | 22867 | 44.2 |  |  |
| Total | | 51791 | 100.0 |  |  |

**Frequencies**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **sharing\_food** | | | | | |
|  | | Frequency | Percent | Valid Percent | Cumulative Percent |
| Valid | No | 35751 | 69.0 | 69.0 | 69.0 |
| Yes | 16040 | 31.0 | 31.0 | 100.0 |
| Total | 51791 | 100.0 | 100.0 |  |

**Frequencies**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Can get AIDS virus through supernatural means** | | | | | |
|  | | Frequency | Percent | Valid Percent | Cumulative Percent |
| Valid | Yes | 2288 | 4.4 | 7.9 | 7.9 |
| No | 21077 | 40.7 | 72.9 | 80.8 |
| DK | 5543 | 10.7 | 19.2 | 99.9 |
| Missing | 16 | .0 | .1 | 100.0 |
| Total | 28924 | 55.8 | 100.0 |  |
| Missing | System | 22867 | 44.2 |  |  |
| Total | | 51791 | 100.0 |  |  |

**Frequencies**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **supernatural\_means** | | | | | |
|  | | Frequency | Percent | Valid Percent | Cumulative Percent |
| Valid | No | 30714 | 59.3 | 59.3 | 59.3 |
| Yes | 21077 | 40.7 | 40.7 | 100.0 |
| Total | 51791 | 100.0 | 100.0 |  |

**Frequencies**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Healthy-looking person may have AIDS virus** | | | | | |
|  | | Frequency | Percent | Valid Percent | Cumulative Percent |
| Valid | Yes | 16528 | 31.9 | 57.1 | 57.1 |
| No | 7392 | 14.3 | 25.6 | 82.7 |
| DK | 4968 | 9.6 | 17.2 | 99.9 |
| Missing | 37 | .1 | .1 | 100.0 |
| Total | 28924 | 55.8 | 100.0 |  |
| Missing | System | 22867 | 44.2 |  |  |
| Total | | 51791 | 100.0 |  |  |

**Frequencies**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Healthy\_looking** | | | | | |
|  | | Frequency | Percent | Valid Percent | Cumulative Percent |
| Valid | No | 35263 | 68.1 | 68.1 | 68.1 |
| Yes | 16528 | 31.9 | 31.9 | 100.0 |
| Total | 51791 | 100.0 | 100.0 |  |

**Frequencies**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **AIDS virus from mother to child during pregnancy** | | | | | |
|  | | Frequency | Percent | Valid Percent | Cumulative Percent |
| Valid | Yes | 20618 | 39.8 | 71.3 | 71.3 |
| No | 2970 | 5.7 | 10.3 | 81.5 |
| DK | 5328 | 10.3 | 18.4 | 100.0 |
| Missing | 9 | .0 | .0 | 100.0 |
| Total | 28924 | 55.8 | 100.0 |  |
| Missing | System | 22867 | 44.2 |  |  |
| Total | | 51791 | 100.0 |  |  |

**Frequencies**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **pregnancy** | | | | | |
|  | | Frequency | Percent | Valid Percent | Cumulative Percent |
| Valid | No | 31173 | 60.2 | 60.2 | 60.2 |
| Yes | 20618 | 39.8 | 39.8 | 100.0 |
| Total | 51791 | 100.0 | 100.0 |  |

**Frequencies**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **AIDS virus from mother to child during delivery** | | | | | |
|  | | Frequency | Percent | Valid Percent | Cumulative Percent |
| Valid | Yes | 12160 | 23.5 | 42.0 | 42.0 |
| No | 8208 | 15.8 | 28.4 | 70.4 |
| DK | 8519 | 16.4 | 29.5 | 99.9 |
| Missing | 38 | .1 | .1 | 100.0 |
| Total | 28924 | 55.8 | 100.0 |  |
| Missing | System | 22867 | 44.2 |  |  |
| Total | | 51791 | 100.0 |  |  |

**Frequencies**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **delivery** | | | | | |
|  | | Frequency | Percent | Valid Percent | Cumulative Percent |
| Valid | No | 39631 | 76.5 | 76.5 | 76.5 |
| Yes | 12160 | 23.5 | 23.5 | 100.0 |
| Total | 51791 | 100.0 | 100.0 |  |

**Frequencies**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **AIDS virus from mother to child through breastfeeding** | | | | | |
|  | | Frequency | Percent | Valid Percent | Cumulative Percent |
| Valid | Yes | 19107 | 36.9 | 66.1 | 66.1 |
| No | 3337 | 6.4 | 11.5 | 77.6 |
| DK | 6466 | 12.5 | 22.4 | 100.0 |
| Missing | 14 | .0 | .0 | 100.0 |
| Total | 28924 | 55.8 | 100.0 |  |
| Missing | System | 22867 | 44.2 |  |  |
| Total | | 51791 | 100.0 |  |  |

**Frequencies**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **breastfeeding** | | | | | |
|  | | Frequency | Percent | Valid Percent | Cumulative Percent |
| Valid | No | 32684 | 63.1 | 63.1 | 63.1 |
| Yes | 19107 | 36.9 | 36.9 | 100.0 |
| Total | 51791 | 100.0 | 100.0 |  |

FREQUENCIES VARIABLES=correct\_response

/STATISTICS=RANGE MINIMUM MAXIMUM MODE Median

/ORDER=ANALYSIS.

**Frequencies**

|  |  |  |
| --- | --- | --- |
| **Notes** | | |
| Output Created | | 16-NOV-2020 16:53:29 |
| Comments | |  |
| Input | Data | F:\ResearchProject\Jamal Sir\Shumi\Bangladesh MICS 2012-13 SPSS Datasets\wm.sav |
| Filter | <none> |
| Weight | Women's sample weight |
| Split File | <none> |
| N of Rows in Working Data File | 20727 |
| Missing Value Handling | Definition of Missing | User-defined missing values are treated as missing. |
| Cases Used | Statistics are based on all cases with valid data. |
| Syntax | | FREQUENCIES VARIABLES=correct\_response  /STATISTICS=RANGE MINIMUM MAXIMUM MODE Median  /ORDER=ANALYSIS. |
| Resources | Processor Time | 00:00:00.25 |
| Elapsed Time | 00:00:00.24 |

|  |  |  |
| --- | --- | --- |
| **Statistics** | | |
| correct\_response | | |
| N | Valid | 22213 |
| Missing | 0 |
| Median | | 5.0000 |
| Mode | | 6.00 |
| Range | | 9.00 |
| Minimum | | .00 |
| Maximum | | 9.00 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **correct\_response** | | | | | |
|  | | Frequency | Percent | Valid Percent | Cumulative Percent |
| Valid | .00 | 1365 | 6.1 | 6.1 | 6.1 |
| 1.00 | 741 | 3.3 | 3.3 | 9.5 |
| 2.00 | 1111 | 5.0 | 5.0 | 14.5 |
| 3.00 | 1944 | 8.8 | 8.8 | 23.2 |
| 4.00 | 2629 | 11.8 | 11.8 | 35.1 |
| 5.00 | 3508 | 15.8 | 15.8 | 50.9 |
| 6.00 | 3840 | 17.3 | 17.3 | 68.1 |
| 7.00 | 3587 | 16.1 | 16.1 | 84.3 |
| 8.00 | 2544 | 11.5 | 11.5 | 95.8 |
| 9.00 | 944 | 4.2 | 4.2 | 100.0 |
| Total | 22213 | 100.0 | 100.0 |  |

|  |  |  |
| --- | --- | --- |
| **Statistics** | | |
| score | | |
| N | Valid | 22213 |
| Missing | 0 |
| Median | | 2.0000 |
| Mode | | 2.00 |
| Range | | 1.00 |
| Minimum | | 1.00 |
| Maximum | | 2.00 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **score** | | | | | |
|  | | Frequency | Percent | Valid Percent | Cumulative Percent |
| Valid | Low | 7791 | 35.1 | 35.1 | 35.1 |
| High | 14423 | 64.9 | 64.9 | 100.0 |
| Total | 22213 | 100.0 | 100.0 |  |

**Crosstabs**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Area \* score Crosstabulation** | | | | | |
|  | | | score | | Total |
| Low | High |
| Area | Urban | Count | 1832 | 4723 | 6555 |
| % within Area | 27.9% | 72.1% | 100.0% |
| Rural | Count | 5959 | 9700 | 15659 |
| % within Area | 38.1% | 61.9% | 100.0% |
| Total | | Count | 7791 | 14423 | 22214 |
| % within Area | 35.1% | 64.9% | 100.0% |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Chi-Square Tests** | | | | | |
|  | Value | df | Asymptotic Significance (2-sided) | Exact Sig. (2-sided) | Exact Sig. (1-sided) |
| Pearson Chi-Square | 207.267a | 1 | .000 |  |  |
| Continuity Correctionb | 206.823 | 1 | .000 |  |  |
| Likelihood Ratio | 211.913 | 1 | .000 |  |  |
| Fisher's Exact Test |  |  |  | .000 | .000 |
| Linear-by-Linear Association | 207.258 | 1 | .000 |  |  |
| N of Valid Cases | 22214 |  |  |  |  |
| a. 0 cells (0.0%) have expected count less than 5. The minimum expected count is 2299.00. | | | | | |
| b. Computed only for a 2x2 table | | | | | |

**Crosstabs**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Division \* score Crosstabulation** | | | | | |
|  | | | score | | Total |
| Low | High |
| Division | Barishal | Count | 377 | 805 | 1182 |
| % within Division | 31.9% | 68.1% | 100.0% |
| Chattogram | Count | 1734 | 2524 | 4258 |
| % within Division | 40.7% | 59.3% | 100.0% |
| Dhaka | Count | 2310 | 5033 | 7343 |
| % within Division | 31.5% | 68.5% | 100.0% |
| Khulna | Count | 1475 | 2351 | 3826 |
| % within Division | 38.6% | 61.4% | 100.0% |
| Rajshahi | Count | 997 | 1990 | 2987 |
| % within Division | 33.4% | 66.6% | 100.0% |
| Rangpur | Count | 497 | 1266 | 1763 |
| % within Division | 28.2% | 71.8% | 100.0% |
| Sylhet | Count | 401 | 453 | 854 |
| % within Division | 47.0% | 53.0% | 100.0% |
| Total | | Count | 7791 | 14422 | 22213 |
| % within Division | 35.1% | 64.9% | 100.0% |

|  |  |  |  |
| --- | --- | --- | --- |
| **Chi-Square Tests** | | | |
|  | Value | df | Asymptotic Significance (2-sided) |
| Pearson Chi-Square | 220.792a | 6 | .000 |
| Likelihood Ratio | 219.263 | 6 | .000 |
| Linear-by-Linear Association | 1.534 | 1 | .215 |
| N of Valid Cases | 22213 |  |  |
| a. 0 cells (0.0%) have expected count less than 5. The minimum expected count is 299.53. | | | |

**Crosstabs**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **women\_age \* score Crosstabulation** | | | | | |
|  | | | score | | Total |
| Low | High |
| women\_age | 15-24 | Count | 2232 | 4388 | 6620 |
| % within women\_age | 33.7% | 66.3% | 100.0% |
| 25-34 | Count | 2999 | 6193 | 9192 |
| % within women\_age | 32.6% | 67.4% | 100.0% |
| 35-44 | Count | 1992 | 3038 | 5030 |
| % within women\_age | 39.6% | 60.4% | 100.0% |
| 44+ | Count | 568 | 804 | 1372 |
| % within women\_age | 41.4% | 58.6% | 100.0% |
| Total | | Count | 7791 | 14423 | 22214 |
| % within women\_age | 35.1% | 64.9% | 100.0% |

|  |  |  |  |
| --- | --- | --- | --- |
| **Chi-Square Tests** | | | |
|  | Value | df | Asymptotic Significance (2-sided) |
| Pearson Chi-Square | 98.950a | 3 | .000 |
| Likelihood Ratio | 97.872 | 3 | .000 |
| Linear-by-Linear Association | 62.055 | 1 | .000 |
| N of Valid Cases | 22214 |  |  |
| a. 0 cells (0.0%) have expected count less than 5. The minimum expected count is 481.19. | | | |

**Crosstabs**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Education \* score Crosstabulation** | | | | | |
|  | | | score | | Total |
| Low | High |
| Education | None | Count | 1449 | 1151 | 2600 |
| % within Education | 55.7% | 44.3% | 100.0% |
| Primary incomplete | Count | 1249 | 1135 | 2384 |
| % within Education | 52.4% | 47.6% | 100.0% |
| Primary complete | Count | 1271 | 1558 | 2829 |
| % within Education | 44.9% | 55.1% | 100.0% |
| Secondary incomplete | Count | 2992 | 6203 | 9195 |
| % within Education | 32.5% | 67.5% | 100.0% |
| Secondary complete or higher | Count | 829 | 4375 | 5204 |
| % within Education | 15.9% | 84.1% | 100.0% |
| Total | | Count | 7790 | 14422 | 22212 |
| % within Education | 35.1% | 64.9% | 100.0% |

|  |  |  |  |
| --- | --- | --- | --- |
| **Chi-Square Tests** | | | |
|  | Value | df | Asymptotic Significance (2-sided) |
| Pearson Chi-Square | 1785.271a | 4 | .000 |
| Likelihood Ratio | 1853.743 | 4 | .000 |
| Linear-by-Linear Association | 1667.442 | 1 | .000 |
| N of Valid Cases | 22212 |  |  |
| a. 0 cells (0.0%) have expected count less than 5. The minimum expected count is 836.10. | | | |

**Crosstabs**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Wealth index quintile \* score Crosstabulation** | | | | | |
|  | | | score | | Total |
| Low | High |
| Wealth index quintile | Poorest | Count | 1037 | 1103 | 2140 |
| % within Wealth index quintile | 48.5% | 51.5% | 100.0% |
| Second | Count | 1311 | 1745 | 3056 |
| % within Wealth index quintile | 42.9% | 57.1% | 100.0% |
| Middle | Count | 1736 | 2489 | 4225 |
| % within Wealth index quintile | 41.1% | 58.9% | 100.0% |
| Fourth | Count | 1871 | 3516 | 5387 |
| % within Wealth index quintile | 34.7% | 65.3% | 100.0% |
| Richest | Count | 1835 | 5569 | 7404 |
| % within Wealth index quintile | 24.8% | 75.2% | 100.0% |
| Total | | Count | 7790 | 14422 | 22212 |
| % within Wealth index quintile | 35.1% | 64.9% | 100.0% |

|  |  |  |  |
| --- | --- | --- | --- |
| **Chi-Square Tests** | | | |
|  | Value | df | Asymptotic Significance (2-sided) |
| Pearson Chi-Square | 662.207a | 4 | .000 |
| Likelihood Ratio | 670.957 | 4 | .000 |
| Linear-by-Linear Association | 621.049 | 1 | .000 |
| N of Valid Cases | 22212 |  |  |
| a. 0 cells (0.0%) have expected count less than 5. The minimum expected count is 750.52. | | | |

**Crosstabs**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **religion\_cat \* score Crosstabulation** | | | | | |
|  | | | score | | Total |
| Low | High |
| religion\_cat | Islam | Count | 6987 | 12836 | 19823 |
| % within religion\_cat | 35.2% | 64.8% | 100.0% |
| Others | Count | 804 | 1587 | 2391 |
| % within religion\_cat | 33.6% | 66.4% | 100.0% |
| Total | | Count | 7791 | 14423 | 22214 |
| % within religion\_cat | 35.1% | 64.9% | 100.0% |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Chi-Square Tests** | | | | | |
|  | Value | df | Asymptotic Significance (2-sided) | Exact Sig. (2-sided) | Exact Sig. (1-sided) |
| Pearson Chi-Square | 2.462a | 1 | .117 |  |  |
| Continuity Correctionb | 2.391 | 1 | .122 |  |  |
| Likelihood Ratio | 2.476 | 1 | .116 |  |  |
| Fisher's Exact Test |  |  |  | .118 | .061 |
| Linear-by-Linear Association | 2.461 | 1 | .117 |  |  |
| N of Valid Cases | 22214 |  |  |  |  |
| a. 0 cells (0.0%) have expected count less than 5. The minimum expected count is 838.58. | | | | | |
| b. Computed only for a 2x2 table | | | | | |

**Crosstabs**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Education of household head \* score Crosstabulation** | | | | | |
|  | | | score | | Total |
| Low | High |
| Education of household head | Pre-primary or none | Count | 2330 | 4064 | 6394 |
| % within Education of household head | 36.4% | 63.6% | 100.0% |
| Primary | Count | 1736 | 3200 | 4936 |
| % within Education of household head | 35.2% | 64.8% | 100.0% |
| Secondary | Count | 1706 | 3121 | 4827 |
| % within Education of household head | 35.3% | 64.7% | 100.0% |
| Higher+ | Count | 769 | 1295 | 2064 |
| % within Education of household head | 37.3% | 62.7% | 100.0% |
| Total | | Count | 6541 | 11680 | 18221 |
| % within Education of household head | 35.9% | 64.1% | 100.0% |

|  |  |  |  |
| --- | --- | --- | --- |
| **Chi-Square Tests** | | | |
|  | Value | df | Asymptotic Significance (2-sided) |
| Pearson Chi-Square | 4.259a | 3 | .235 |
| Likelihood Ratio | 4.253 | 3 | .235 |
| Linear-by-Linear Association | .007 | 1 | .936 |
| N of Valid Cases | 18221 |  |  |
| a. 0 cells (0.0%) have expected count less than 5. The minimum expected count is 740.94. | | | |

**Crosstabs**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Sex of household head \* score Crosstabulation** | | | | | |
|  | | | score | | Total |
| Low | High |
| Sex of household head | Male | Count | 5585 | 10087 | 15672 |
| % within Sex of household head | 35.6% | 64.4% | 100.0% |
| Female | Count | 957 | 1593 | 2550 |
| % within Sex of household head | 37.5% | 62.5% | 100.0% |
| Total | | Count | 6542 | 11680 | 18222 |
| % within Sex of household head | 35.9% | 64.1% | 100.0% |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Chi-Square Tests** | | | | | |
|  | Value | df | Asymptotic Significance (2-sided) | Exact Sig. (2-sided) | Exact Sig. (1-sided) |
| Pearson Chi-Square | 3.414a | 1 | .065 |  |  |
| Continuity Correctionb | 3.332 | 1 | .068 |  |  |
| Likelihood Ratio | 3.395 | 1 | .065 |  |  |
| Fisher's Exact Test |  |  |  | .068 | .034 |
| Linear-by-Linear Association | 3.414 | 1 | .065 |  |  |
| N of Valid Cases | 18222 |  |  |  |  |
| a. 0 cells (0.0%) have expected count less than 5. The minimum expected count is 915.49. | | | | | |
| b. Computed only for a 2x2 table | | | | | |

**Crosstabs**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Ethnicity of household head \* score Crosstabulation** | | | | | |
|  | | | score | | Total |
| Low | High |
| Ethnicity of household head | Bengali | Count | 6372 | 11393 | 17765 |
| % within Ethnicity of household head | 35.9% | 64.1% | 100.0% |
| Other | Count | 170 | 287 | 457 |
| % within Ethnicity of household head | 37.2% | 62.8% | 100.0% |
| Total | | Count | 6542 | 11680 | 18222 |
| % within Ethnicity of household head | 35.9% | 64.1% | 100.0% |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Chi-Square Tests** | | | | | |
|  | Value | df | Asymptotic Significance (2-sided) | Exact Sig. (2-sided) | Exact Sig. (1-sided) |
| Pearson Chi-Square | .343a | 1 | .558 |  |  |
| Continuity Correctionb | .288 | 1 | .592 |  |  |
| Likelihood Ratio | .341 | 1 | .559 |  |  |
| Fisher's Exact Test |  |  |  | .555 | .296 |
| Linear-by-Linear Association | .343 | 1 | .558 |  |  |
| N of Valid Cases | 18222 |  |  |  |  |
| a. 0 cells (0.0%) have expected count less than 5. The minimum expected count is 164.07. | | | | | |
| b. Computed only for a 2x2 table | | | | | |

**Crosstabs**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **MMA \* score Crosstabulation** | | | | | |
|  | | | score | | Total |
| Low | High |
| MMA | No | Count | 2702 | 3123 | 5825 |
| % within MMA | 46.4% | 53.6% | 100.0% |
| Yes | Count | 5088 | 11300 | 16388 |
| % within MMA | 31.0% | 69.0% | 100.0% |
| Total | | Count | 7790 | 14423 | 22213 |
| % within MMA | 35.1% | 64.9% | 100.0% |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Chi-Square Tests** | | | | | |
|  | Value | df | Asymptotic Significance (2-sided) | Exact Sig. (2-sided) | Exact Sig. (1-sided) |
| Pearson Chi-Square | 444.057a | 1 | .000 |  |  |
| Continuity Correctionb | 443.384 | 1 | .000 |  |  |
| Likelihood Ratio | 433.855 | 1 | .000 |  |  |
| Fisher's Exact Test |  |  |  | .000 | .000 |
| Linear-by-Linear Association | 444.037 | 1 | .000 |  |  |
| N of Valid Cases | 22213 |  |  |  |  |
| a. 0 cells (0.0%) have expected count less than 5. The minimum expected count is 2042.80. | | | | | |
| b. Computed only for a 2x2 table | | | | | |

LOGISTIC REGRESSION VARIABLES score

/METHOD=BSTEP(LR) HH6 Division women\_age welevel MA1 windex5 helevel HHSEX ethnicity religion\_cat MMA

/SAVE=PRED

/CONTRAST (HH6)=Indicator (2)

/CONTRAST (Division)=Indicator

/CONTRAST (women\_age)=Indicator (4)

/CONTRAST (welevel)=Indicator (1)

/CONTRAST (MA1)=Indicator (2)

/CONTRAST (windex5)=Indicator (1)

/CONTRAST (helevel)=Indicator (1)

/CONTRAST (HHSEX)=Indicator (2)

/CONTRAST (ethnicity)=Indicator (2)

/CONTRAST (religion\_cat)=Indicator (2)

/CONTRAST (MMA)=Indicator (1)

/PRINT=GOODFIT CI(95)

/CRITERIA=PIN(0.05) POUT(0.10) ITERATE(20) CUT(0.5).

**Logistic Regression**

|  |  |  |
| --- | --- | --- |
| **Notes** | | |
| Output Created | | 16-NOV-2020 18:15:43 |
| Comments | |  |
| Input | Data | F:\ResearchProject\Jamal Sir\Shumi\Bangladesh MICS 2012-13 SPSS Datasets\wm.sav |
| Filter | <none> |
| Weight | Women's sample weight |
| Split File | <none> |
| N of Rows in Working Data File | 20727 |
| Missing Value Handling | Definition of Missing | User-defined missing values are treated as missing |
| Syntax | | LOGISTIC REGRESSION VARIABLES score  /METHOD=BSTEP(LR) HH6 Division women\_age welevel MA1 windex5 helevel HHSEX ethnicity religion\_cat MMA  /SAVE=PRED  /CONTRAST (HH6)=Indicator (2)  /CONTRAST (Division)=Indicator  /CONTRAST (women\_age)=Indicator (4)  /CONTRAST (welevel)=Indicator (1)  /CONTRAST (MA1)=Indicator (2)  /CONTRAST (windex5)=Indicator (1)  /CONTRAST (helevel)=Indicator (1)  /CONTRAST (HHSEX)=Indicator (2)  /CONTRAST (ethnicity)=Indicator (2)  /CONTRAST (religion\_cat)=Indicator (2)  /CONTRAST (MMA)=Indicator (1)  /PRINT=GOODFIT CI(95)  /CRITERIA=PIN(0.05) POUT(0.10) ITERATE(20) CUT(0.5). |
| Resources | Processor Time | 00:00:03.14 |
| Elapsed Time | 00:00:03.14 |
| Variables Created or Modified | PRE\_3 | Predicted probability |

|  |  |  |  |
| --- | --- | --- | --- |
| **Case Processing Summary** | | | |
| Unweighted Casesa | | N | Percent |
| Selected Cases | Included in Analysis | 16940 | 81.7 |
| Missing Cases | 3787 | 18.3 |
| Total | 20727 | 100.0 |
| Unselected Cases | | 0 | .0 |
| Total | | 20727 | 100.0 |
| a. If weight is in effect, see classification table for the total number of cases. | | | |

|  |  |
| --- | --- |
| **Dependent Variable Encoding** | |
| Original Value | Internal Value |
| Low | 0 |
| High | 1 |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Categorical Variables Codings** | | | | | | | | |
|  | | Frequency | Parameter coding | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) |
| Division | Barishal | 1486 | 1.000 | .000 | .000 | .000 | .000 | .000 |
| Chattogram | 2565 | .000 | 1.000 | .000 | .000 | .000 | .000 |
| Dhaka | 4273 | .000 | .000 | 1.000 | .000 | .000 | .000 |
| Khulna | 4189 | .000 | .000 | .000 | 1.000 | .000 | .000 |
| Rajshahi | 2113 | .000 | .000 | .000 | .000 | 1.000 | .000 |
| Rangpur | 1534 | .000 | .000 | .000 | .000 | .000 | 1.000 |
| Sylhet | 780 | .000 | .000 | .000 | .000 | .000 | .000 |
| Wealth index quintile | Poorest | 2176 | .000 | .000 | .000 | .000 |  |  |
| Second | 2801 | 1.000 | .000 | .000 | .000 |  |  |
| Middle | 3515 | .000 | 1.000 | .000 | .000 |  |  |
| Fourth | 4070 | .000 | .000 | 1.000 | .000 |  |  |
| Richest | 4378 | .000 | .000 | .000 | 1.000 |  |  |
| Education | None | 2302 | .000 | .000 | .000 | .000 |  |  |
| Primary incomplete | 2107 | 1.000 | .000 | .000 | .000 |  |  |
| Primary complete | 2293 | .000 | 1.000 | .000 | .000 |  |  |
| Secondary incomplete | 6954 | .000 | .000 | 1.000 | .000 |  |  |
| Secondary complete or higher | 3284 | .000 | .000 | .000 | 1.000 |  |  |
| women\_age | 15-24 | 4003 | 1.000 | .000 | .000 |  |  |  |
| 25-34 | 7428 | .000 | 1.000 | .000 |  |  |  |
| 35-44 | 4348 | .000 | .000 | 1.000 |  |  |  |
| 44+ | 1161 | .000 | .000 | .000 |  |  |  |
| Education of household head | Pre-primary or none | 5926 | .000 | .000 | .000 |  |  |  |
| Primary | 4500 | 1.000 | .000 | .000 |  |  |  |
| Secondary | 4469 | .000 | 1.000 | .000 |  |  |  |
| Higher+ | 2045 | .000 | .000 | 1.000 |  |  |  |
| MMA | No | 5201 | .000 |  |  |  |  |  |
| Yes | 11739 | 1.000 |  |  |  |  |  |
| Sex of household head | Male | 14873 | 1.000 |  |  |  |  |  |
| Female | 2067 | .000 |  |  |  |  |  |
| religion\_cat | Islam | 14971 | 1.000 |  |  |  |  |  |
| Others | 1969 | .000 |  |  |  |  |  |
| Ethnicity of household head | Bengali | 16502 | 1.000 |  |  |  |  |  |
| Other | 438 | .000 |  |  |  |  |  |
| Area | Urban | 3854 | 1.000 |  |  |  |  |  |
| Rural | 13086 | .000 |  |  |  |  |  |

**Block 0: Beginning Block**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Classification Tablea,b** | | | | | |
|  | Observed | | Predicted | | |
|  | score | | Percentage Correct |
|  | Low | High |
| Step 0 | score | Low | 0 | 6541 | .0 |
| High | 0 | 11680 | 100.0 |
| Overall Percentage | |  |  | 64.1 |
| a. Constant is included in the model. | | | | | |
| b. The cut value is .500 | | | | | |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Variables in the Equation** | | | | | | | |
|  | | B | S.E. | Wald | df | Sig. | Exp(B) |
| Step 0 | Constant | .580 | .015 | 1409.291 | 1 | .000 | 1.786 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Variables not in the Equation** | | | | | |
|  | | | Score | df | Sig. |
| Step 0 | Variables | Area(1) | 178.312 | 1 | .000 |
| Division | 180.819 | 6 | .000 |
| Division(1) | 1.898 | 1 | .168 |
| Division(2) | 60.199 | 1 | .000 |
| Division(3) | 50.653 | 1 | .000 |
| Division(4) | 17.879 | 1 | .000 |
| Division(5) | 4.129 | 1 | .042 |
| Division(6) | 33.353 | 1 | .000 |
| women\_age | 80.285 | 3 | .000 |
| women\_age(1) | 3.165 | 1 | .075 |
| women\_age(2) | 45.387 | 1 | .000 |
| women\_age(3) | 51.361 | 1 | .000 |
| Education | 1430.382 | 4 | .000 |
| Education(1) | 270.261 | 1 | .000 |
| Education(2) | 92.518 | 1 | .000 |
| Education(3) | 61.381 | 1 | .000 |
| Education(4) | 851.667 | 1 | .000 |
| Wealth index quintile | 537.006 | 4 | .000 |
| Wealth index quintile(1) | 68.846 | 1 | .000 |
| Wealth index quintile(2) | 68.751 | 1 | .000 |
| Wealth index quintile(3) | .046 | 1 | .830 |
| Wealth index quintile(4) | 434.416 | 1 | .000 |
| Education of household head | 4.192 | 3 | .242 |
| Education of household head(1) | 1.548 | 1 | .213 |
| Education of household head(2) | .863 | 1 | .353 |
| Education of household head(3) | 1.816 | 1 | .178 |
| Sex of household head(1) | 3.391 | 1 | .066 |
| Ethnicity of household head(1) | .337 | 1 | .562 |
| religion\_cat(1) | 2.370 | 1 | .124 |
| MMA(1) | 357.972 | 1 | .000 |
| Overall Statistics | | 1747.336 | 25 | .000 |

**Block 1: Method = Backward Stepwise (Likelihood Ratio)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Omnibus Tests of Model Coefficients** | | | | |
|  | | Chi-square | df | Sig. |
| Step 1 | Step | 1827.925 | 25 | .000 |
| Block | 1827.925 | 25 | .000 |
| Model | 1827.925 | 25 | .000 |
| Step 2a | Step | -.198 | 1 | .656 |
| Block | 1827.726 | 24 | .000 |
| Model | 1827.726 | 24 | .000 |
| Step 3a | Step | -.628 | 1 | .428 |
| Block | 1827.098 | 23 | .000 |
| Model | 1827.098 | 23 | .000 |
| Step 4a | Step | -2.850 | 3 | .415 |
| Block | 1824.248 | 20 | .000 |
| Model | 1824.248 | 22 | .000 |
| a. A negative Chi-squares value indicates that the Chi-squares value has decreased from the previous step. | | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Model Summary** | | | |
| Step | -2 Log likelihood | Cox & Snell R Square | Nagelkerke R Square |
| 1 | 21963.410a | .095 | .131 |
| 2 | 21963.608a | .095 | .131 |
| 3 | 21964.236a | .095 | .131 |
| 4 | 21967.086a | .095 | .131 |
| a. Estimation terminated at iteration number 4 because parameter estimates changed by less than .001. | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Hosmer and Lemeshow Test** | | | |
| Step | Chi-square | df | Sig. |
| 1 | 9.168 | 8 | .328 |
| 2 | 9.219 | 8 | .324 |
| 3 | 11.377 | 8 | .181 |
| 4 | 15.203 | 8 | .055 |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Contingency Table for Hosmer and Lemeshow Test** | | | | | | |
|  | | score = Low | | score = High | | Total |
| Observed | Expected | Observed | Expected |
| Step 1 | 1 | 1111 | 1119.144 | 706 | 698.419 | 1818 |
| 2 | 966 | 972.189 | 856 | 850.401 | 1823 |
| 3 | 882 | 866.399 | 939 | 955.201 | 1822 |
| 4 | 790 | 767.467 | 1032 | 1054.432 | 1822 |
| 5 | 631 | 677.267 | 1180 | 1134.596 | 1812 |
| 6 | 597 | 595.862 | 1206 | 1207.684 | 1804 |
| 7 | 543 | 527.728 | 1279 | 1294.201 | 1822 |
| 8 | 468 | 449.639 | 1359 | 1377.971 | 1828 |
| 9 | 326 | 327.537 | 1511 | 1509.600 | 1837 |
| 10 | 226 | 238.151 | 1610 | 1597.631 | 1836 |
| Step 2 | 1 | 1113 | 1121.742 | 709 | 700.374 | 1822 |
| 2 | 967 | 971.707 | 855 | 850.477 | 1822 |
| 3 | 884 | 866.621 | 939 | 955.986 | 1823 |
| 4 | 787 | 767.268 | 1035 | 1054.976 | 1822 |
| 5 | 637 | 681.891 | 1189 | 1144.219 | 1826 |
| 6 | 606 | 605.054 | 1229 | 1230.610 | 1836 |
| 7 | 551 | 524.940 | 1268 | 1294.578 | 1820 |
| 8 | 450 | 446.341 | 1374 | 1377.427 | 1824 |
| 9 | 326 | 323.227 | 1503 | 1506.400 | 1830 |
| 10 | 219 | 232.593 | 1578 | 1565.089 | 1798 |
| Step 3 | 1 | 1112 | 1122.416 | 712 | 701.681 | 1824 |
| 2 | 977 | 972.691 | 848 | 851.777 | 1824 |
| 3 | 872 | 866.603 | 951 | 955.696 | 1822 |
| 4 | 790 | 767.181 | 1033 | 1055.008 | 1822 |
| 5 | 632 | 680.392 | 1190 | 1141.588 | 1822 |
| 6 | 605 | 599.654 | 1214 | 1218.505 | 1818 |
| 7 | 562 | 527.828 | 1267 | 1300.636 | 1828 |
| 8 | 446 | 446.648 | 1376 | 1375.794 | 1822 |
| 9 | 327 | 322.905 | 1496 | 1500.410 | 1823 |
| 10 | 220 | 235.066 | 1594 | 1579.041 | 1814 |
| Step 4 | 1 | 1113 | 1121.961 | 710 | 701.474 | 1823 |
| 2 | 979 | 970.069 | 842 | 850.790 | 1821 |
| 3 | 881 | 866.543 | 941 | 954.656 | 1821 |
| 4 | 783 | 767.787 | 1040 | 1054.545 | 1822 |
| 5 | 613 | 679.405 | 1207 | 1140.811 | 1820 |
| 6 | 632 | 612.810 | 1226 | 1245.114 | 1858 |
| 7 | 535 | 526.271 | 1293 | 1302.007 | 1828 |
| 8 | 469 | 446.081 | 1356 | 1378.842 | 1825 |
| 9 | 320 | 320.485 | 1505 | 1504.482 | 1825 |
| 10 | 216 | 229.972 | 1561 | 1547.415 | 1777 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Classification Tablea** | | | | | |
|  | Observed | | Predicted | | |
|  | score | | Percentage Correct |
|  | Low | High |
| Step 1 | score | Low | 2138 | 4403 | 32.7 |
| High | 1602 | 10079 | 86.3 |
| Overall Percentage | |  |  | 67.0 |
| Step 2 | score | Low | 2133 | 4409 | 32.6 |
| High | 1598 | 10082 | 86.3 |
| Overall Percentage | |  |  | 67.0 |
| Step 3 | score | Low | 2134 | 4407 | 32.6 |
| High | 1599 | 10081 | 86.3 |
| Overall Percentage | |  |  | 67.0 |
| Step 4 | score | Low | 2151 | 4391 | 32.9 |
| High | 1609 | 10071 | 86.2 |
| Overall Percentage | |  |  | 67.1 |
| a. The cut value is .500 | | | | | |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Variables in the Equation** | | | | | | | | | |
|  | | B | S.E. | Wald | df | Sig. | Exp(B) | 95% C.I.for EXP(B) | |
| Lower | Upper |
| Step 1a | Area(1) | .136 | .042 | 10.672 | 1 | .001 | 1.146 | 1.056 | 1.244 |
| Division |  |  | 155.055 | 6 | .000 |  |  |  |
| Division(1) | .691 | .111 | 38.866 | 1 | .000 | 1.995 | 1.606 | 2.479 |
| Division(2) | .230 | .091 | 6.347 | 1 | .012 | 1.258 | 1.052 | 1.504 |
| Division(3) | .602 | .088 | 46.721 | 1 | .000 | 1.826 | 1.537 | 2.171 |
| Division(4) | .562 | .092 | 37.591 | 1 | .000 | 1.755 | 1.466 | 2.100 |
| Division(5) | .681 | .094 | 51.987 | 1 | .000 | 1.976 | 1.642 | 2.378 |
| Division(6) | .862 | .104 | 69.121 | 1 | .000 | 2.368 | 1.932 | 2.901 |
| women\_age |  |  | 31.530 | 3 | .000 |  |  |  |
| women\_age(1) | .016 | .072 | .050 | 1 | .824 | 1.016 | .882 | 1.170 |
| women\_age(2) | .206 | .067 | 9.362 | 1 | .002 | 1.228 | 1.077 | 1.401 |
| women\_age(3) | .030 | .069 | .190 | 1 | .663 | 1.030 | .901 | 1.179 |
| Education |  |  | 790.670 | 4 | .000 |  |  |  |
| Education(1) | .128 | .061 | 4.405 | 1 | .036 | 1.137 | 1.009 | 1.281 |
| Education(2) | .409 | .060 | 45.734 | 1 | .000 | 1.505 | 1.337 | 1.694 |
| Education(3) | .882 | .053 | 272.796 | 1 | .000 | 2.415 | 2.175 | 2.681 |
| Education(4) | 1.628 | .066 | 602.000 | 1 | .000 | 5.092 | 4.471 | 5.799 |
| Wealth index quintile |  |  | 27.054 | 4 | .000 |  |  |  |
| Wealth index quintile(1) | .072 | .063 | 1.324 | 1 | .250 | 1.075 | .950 | 1.216 |
| Wealth index quintile(2) | -.001 | .061 | .001 | 1 | .981 | .999 | .885 | 1.126 |
| Wealth index quintile(3) | .126 | .063 | 3.973 | 1 | .046 | 1.134 | 1.002 | 1.284 |
| Wealth index quintile(4) | .271 | .070 | 15.025 | 1 | .000 | 1.311 | 1.143 | 1.503 |
| Education of household head |  |  | 2.829 | 3 | .419 |  |  |  |
| Education of household head(1) | .060 | .042 | 2.029 | 1 | .154 | 1.061 | .978 | 1.152 |
| Education of household head(2) | .054 | .042 | 1.631 | 1 | .202 | 1.055 | .972 | 1.146 |
| Education of household head(3) | .008 | .055 | .023 | 1 | .880 | 1.008 | .904 | 1.124 |
| Sex of household head(1) | .084 | .047 | 3.167 | 1 | .075 | 1.088 | .992 | 1.193 |
| Ethnicity of household head(1) | .084 | .105 | .637 | 1 | .425 | 1.087 | .886 | 1.335 |
| religion\_cat(1) | -.024 | .054 | .198 | 1 | .656 | .976 | .878 | 1.086 |
| MMA(1) | .266 | .041 | 42.716 | 1 | .000 | 1.305 | 1.205 | 1.413 |
| Constant | -1.295 | .172 | 56.934 | 1 | .000 | .274 |  |  |
| Step 2a | Area(1) | .137 | .042 | 10.780 | 1 | .001 | 1.147 | 1.057 | 1.244 |
| Division |  |  | 154.956 | 6 | .000 |  |  |  |
| Division(1) | .689 | .111 | 38.747 | 1 | .000 | 1.992 | 1.604 | 2.475 |
| Division(2) | .228 | .091 | 6.280 | 1 | .012 | 1.256 | 1.051 | 1.502 |
| Division(3) | .600 | .088 | 46.528 | 1 | .000 | 1.822 | 1.533 | 2.164 |
| Division(4) | .561 | .092 | 37.465 | 1 | .000 | 1.752 | 1.464 | 2.097 |
| Division(5) | .678 | .094 | 51.794 | 1 | .000 | 1.970 | 1.638 | 2.370 |
| Division(6) | .860 | .104 | 68.959 | 1 | .000 | 2.364 | 1.930 | 2.897 |
| women\_age |  |  | 31.572 | 3 | .000 |  |  |  |
| women\_age(1) | .015 | .072 | .042 | 1 | .838 | 1.015 | .881 | 1.169 |
| women\_age(2) | .205 | .067 | 9.312 | 1 | .002 | 1.228 | 1.076 | 1.401 |
| women\_age(3) | .030 | .069 | .187 | 1 | .665 | 1.030 | .900 | 1.179 |
| Education |  |  | 794.010 | 4 | .000 |  |  |  |
| Education(1) | .128 | .061 | 4.384 | 1 | .036 | 1.136 | 1.008 | 1.281 |
| Education(2) | .408 | .060 | 45.663 | 1 | .000 | 1.504 | 1.336 | 1.693 |
| Education(3) | .882 | .053 | 273.177 | 1 | .000 | 2.416 | 2.176 | 2.682 |
| Education(4) | 1.629 | .066 | 603.462 | 1 | .000 | 5.097 | 4.476 | 5.805 |
| Wealth index quintile |  |  | 26.879 | 4 | .000 |  |  |  |
| Wealth index quintile(1) | .072 | .063 | 1.294 | 1 | .255 | 1.074 | .950 | 1.215 |
| Wealth index quintile(2) | -.002 | .061 | .001 | 1 | .971 | .998 | .885 | 1.125 |
| Wealth index quintile(3) | .125 | .063 | 3.904 | 1 | .048 | 1.133 | 1.001 | 1.283 |
| Wealth index quintile(4) | .269 | .070 | 14.872 | 1 | .000 | 1.309 | 1.141 | 1.500 |
| Education of household head |  |  | 2.836 | 3 | .418 |  |  |  |
| Education of household head(1) | .060 | .042 | 2.031 | 1 | .154 | 1.061 | .978 | 1.152 |
| Education of household head(2) | .054 | .042 | 1.636 | 1 | .201 | 1.055 | .972 | 1.146 |
| Education of household head(3) | .008 | .055 | .022 | 1 | .882 | 1.008 | .904 | 1.124 |
| Sex of household head(1) | .084 | .047 | 3.165 | 1 | .075 | 1.088 | .991 | 1.193 |
| Ethnicity of household head(1) | .083 | .105 | .632 | 1 | .427 | 1.087 | .885 | 1.334 |
| MMA(1) | .267 | .041 | 43.308 | 1 | .000 | 1.306 | 1.206 | 1.414 |
| Constant | -1.314 | .166 | 62.483 | 1 | .000 | .269 |  |  |
| Step 3a | Area(1) | .138 | .042 | 10.994 | 1 | .001 | 1.148 | 1.058 | 1.246 |
| Division |  |  | 157.026 | 6 | .000 |  |  |  |
| Division(1) | .689 | .111 | 38.739 | 1 | .000 | 1.992 | 1.603 | 2.475 |
| Division(2) | .224 | .091 | 6.062 | 1 | .014 | 1.251 | 1.047 | 1.495 |
| Division(3) | .597 | .088 | 46.137 | 1 | .000 | 1.816 | 1.529 | 2.157 |
| Division(4) | .561 | .092 | 37.502 | 1 | .000 | 1.753 | 1.465 | 2.098 |
| Division(5) | .679 | .094 | 51.844 | 1 | .000 | 1.971 | 1.639 | 2.371 |
| Division(6) | .860 | .104 | 68.953 | 1 | .000 | 2.364 | 1.930 | 2.896 |
| women\_age |  |  | 31.560 | 3 | .000 |  |  |  |
| women\_age(1) | .014 | .072 | .038 | 1 | .846 | 1.014 | .881 | 1.168 |
| women\_age(2) | .205 | .067 | 9.269 | 1 | .002 | 1.227 | 1.076 | 1.400 |
| women\_age(3) | .030 | .069 | .185 | 1 | .667 | 1.030 | .900 | 1.179 |
| Education |  |  | 794.256 | 4 | .000 |  |  |  |
| Education(1) | .128 | .061 | 4.375 | 1 | .036 | 1.136 | 1.008 | 1.281 |
| Education(2) | .408 | .060 | 45.532 | 1 | .000 | 1.503 | 1.335 | 1.692 |
| Education(3) | .881 | .053 | 272.912 | 1 | .000 | 2.414 | 2.175 | 2.681 |
| Education(4) | 1.629 | .066 | 603.716 | 1 | .000 | 5.099 | 4.477 | 5.806 |
| Wealth index quintile |  |  | 26.714 | 4 | .000 |  |  |  |
| Wealth index quintile(1) | .072 | .063 | 1.297 | 1 | .255 | 1.074 | .950 | 1.215 |
| Wealth index quintile(2) | -.003 | .061 | .002 | 1 | .967 | .997 | .884 | 1.125 |
| Wealth index quintile(3) | .123 | .063 | 3.799 | 1 | .051 | 1.131 | .999 | 1.280 |
| Wealth index quintile(4) | .268 | .070 | 14.754 | 1 | .000 | 1.307 | 1.140 | 1.498 |
| Education of household head |  |  | 2.850 | 3 | .415 |  |  |  |
| Education of household head(1) | .060 | .042 | 2.085 | 1 | .149 | 1.062 | .979 | 1.153 |
| Education of household head(2) | .054 | .042 | 1.652 | 1 | .199 | 1.055 | .972 | 1.146 |
| Education of household head(3) | .010 | .055 | .036 | 1 | .851 | 1.010 | .907 | 1.126 |
| Sex of household head(1) | .082 | .047 | 3.031 | 1 | .082 | 1.086 | .990 | 1.191 |
| MMA(1) | .267 | .041 | 43.183 | 1 | .000 | 1.306 | 1.206 | 1.414 |
| Constant | -1.228 | .127 | 94.162 | 1 | .000 | .293 |  |  |
| Step 4a | Area(1) | .139 | .042 | 11.144 | 1 | .001 | 1.149 | 1.059 | 1.247 |
| Division |  |  | 157.406 | 6 | .000 |  |  |  |
| Division(1) | .698 | .111 | 39.892 | 1 | .000 | 2.010 | 1.619 | 2.497 |
| Division(2) | .230 | .091 | 6.444 | 1 | .011 | 1.259 | 1.054 | 1.504 |
| Division(3) | .602 | .088 | 47.084 | 1 | .000 | 1.826 | 1.537 | 2.169 |
| Division(4) | .569 | .092 | 38.592 | 1 | .000 | 1.766 | 1.476 | 2.113 |
| Division(5) | .682 | .094 | 52.432 | 1 | .000 | 1.978 | 1.645 | 2.379 |
| Division(6) | .864 | .104 | 69.628 | 1 | .000 | 2.374 | 1.938 | 2.908 |
| women\_age |  |  | 31.494 | 3 | .000 |  |  |  |
| women\_age(1) | .016 | .072 | .046 | 1 | .829 | 1.016 | .882 | 1.170 |
| women\_age(2) | .206 | .067 | 9.363 | 1 | .002 | 1.228 | 1.077 | 1.401 |
| women\_age(3) | .031 | .069 | .201 | 1 | .654 | 1.031 | .901 | 1.180 |
| Education |  |  | 793.515 | 4 | .000 |  |  |  |
| Education(1) | .127 | .061 | 4.339 | 1 | .037 | 1.136 | 1.008 | 1.280 |
| Education(2) | .405 | .060 | 44.975 | 1 | .000 | 1.499 | 1.332 | 1.688 |
| Education(3) | .880 | .053 | 272.246 | 1 | .000 | 2.411 | 2.172 | 2.677 |
| Education(4) | 1.627 | .066 | 602.819 | 1 | .000 | 5.090 | 4.470 | 5.796 |
| Wealth index quintile |  |  | 27.049 | 4 | .000 |  |  |  |
| Wealth index quintile(1) | .072 | .063 | 1.295 | 1 | .255 | 1.074 | .950 | 1.215 |
| Wealth index quintile(2) | -.002 | .061 | .001 | 1 | .969 | .998 | .884 | 1.125 |
| Wealth index quintile(3) | .124 | .063 | 3.870 | 1 | .049 | 1.132 | 1.000 | 1.282 |
| Wealth index quintile(4) | .269 | .070 | 14.954 | 1 | .000 | 1.309 | 1.142 | 1.501 |
| Sex of household head(1) | .082 | .047 | 3.044 | 1 | .081 | 1.085 | .990 | 1.190 |
| MMA(1) | .266 | .041 | 43.048 | 1 | .000 | 1.305 | 1.205 | 1.413 |
| Constant | -1.203 | .125 | 92.058 | 1 | .000 | .300 |  |  |
| a. Variable(s) entered on step 1: Area, Division, women\_age, Education, Wealth index quintile, Education of household head, Sex of household head, Ethnicity of household head, religion\_cat, MMA. | | | | | | | | | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Model if Term Removed** | | | | | |
| Variable | | Model Log Likelihood | Change in -2 Log Likelihood | df | Sig. of the Change |
| Step 1 | Area | -10987.051 | 10.692 | 1 | .001 |
| Division | -11059.292 | 155.174 | 6 | .000 |
| women\_age | -10997.512 | 31.614 | 3 | .000 |
| Education | -11403.153 | 842.897 | 4 | .000 |
| Wealth index quintile | -10995.245 | 27.080 | 4 | .000 |
| Education of household head | -10983.119 | 2.829 | 3 | .419 |
| Sex of household head | -10983.282 | 3.155 | 1 | .076 |
| Ethnicity of household head | -10982.022 | .634 | 1 | .426 |
| religion\_cat | -10981.804 | .198 | 1 | .656 |
| MMA | -11003.003 | 42.596 | 1 | .000 |
| Step 2 | Area | -10987.205 | 10.801 | 1 | .001 |
| Division | -11059.334 | 155.060 | 6 | .000 |
| women\_age | -10997.632 | 31.656 | 3 | .000 |
| Education | -11405.152 | 846.696 | 4 | .000 |
| Wealth index quintile | -10995.257 | 26.906 | 4 | .000 |
| Education of household head | -10983.221 | 2.835 | 3 | .418 |
| Sex of household head | -10983.380 | 3.153 | 1 | .076 |
| Ethnicity of household head | -10982.118 | .628 | 1 | .428 |
| MMA | -11003.396 | 43.183 | 1 | .000 |
| Step 3 | Area | -10987.626 | 11.015 | 1 | .001 |
| Division | -11060.707 | 157.177 | 6 | .000 |
| women\_age | -10997.940 | 31.643 | 3 | .000 |
| Education | -11405.662 | 847.087 | 4 | .000 |
| Wealth index quintile | -10995.489 | 26.741 | 4 | .000 |
| Education of household head | -10983.543 | 2.850 | 3 | .415 |
| Sex of household head | -10983.628 | 3.019 | 1 | .082 |
| MMA | -11003.647 | 43.058 | 1 | .000 |
| Step 4 | Area | -10989.126 | 11.166 | 1 | .001 |
| Division | -11062.313 | 157.540 | 6 | .000 |
| women\_age | -10999.332 | 31.577 | 3 | .000 |
| Education | -11406.666 | 846.246 | 4 | .000 |
| Wealth index quintile | -10997.082 | 27.077 | 4 | .000 |
| Sex of household head | -10985.059 | 3.032 | 1 | .082 |
| MMA | -11005.004 | 42.922 | 1 | .000 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Variables not in the Equation** | | | | | |
|  | | | Score | df | Sig. |
| Step 2a | Variables | religion\_cat(1) | .198 | 1 | .656 |
| Overall Statistics | | .198 | 1 | .656 |
| Step 3b | Variables | Ethnicity of household head(1) | .632 | 1 | .427 |
| religion\_cat(1) | .193 | 1 | .661 |
| Overall Statistics | | .830 | 2 | .660 |
| Step 4c | Variables | Education of household head | 2.850 | 3 | .415 |
| Education of household head(1) | 1.136 | 1 | .286 |
| Education of household head(2) | .668 | 1 | .414 |
| Education of household head(3) | .225 | 1 | .635 |
| Ethnicity of household head(1) | .647 | 1 | .421 |
| religion\_cat(1) | .199 | 1 | .656 |
| Overall Statistics | | 3.680 | 5 | .596 |
| a. Variable(s) removed on step 2: religion\_cat. | | | | | |
| b. Variable(s) removed on step 3: Ethnicity of household head. | | | | | |
| c. Variable(s) removed on step 4: Education of household head. | | | | | |

\*\*\*\*Stepwise.

LOGISTIC REGRESSION VARIABLES score

/METHOD=BSTEP(LR) HH6 Division women\_age welevel windex5 MMA helevel HHSEX ethnicity Religion

/SAVE=PRED

/CONTRAST (HH6)=Indicator (2)

/CONTRAST (Division)=Indicator

/CONTRAST (women\_age)=Indicator (4)

/CONTRAST (welevel)=Indicator (1)

/CONTRAST (windex5)=Indicator (1)

/CONTRAST (MMA)=Indicator (0)

/CONTRAST (helevel)=Indicator (1)

/CONTRAST (HHSEX)=Indicator (2)

/CONTRAST (ethnicity)=Indicator (2)

/CONTRAST (Religion)=Indicator (1)

/PRINT=GOODFIT CI(95)

/CRITERIA=PIN(0.05) POUT(0.10) ITERATE(20) CUT(0.5).

**Logistic Regression**

|  |  |  |
| --- | --- | --- |
| **Notes** | | |
| Output Created | | 16-NOV-2020 22:40:23 |
| Comments | |  |
| Input | Data | F:\ResearchProject\Jamal Sir\Shumi\Bangladesh MICS6 SPSS Datasets\wm.sav |
| Filter | <none> |
| Weight | Woman's sample weight |
| Split File | <none> |
| N of Rows in Working Data File | 29724 |
| Missing Value Handling | Definition of Missing | User-defined missing values are treated as missing |
| Syntax | | LOGISTIC REGRESSION VARIABLES score  /METHOD=BSTEP(LR) HH6 Division women\_age welevel windex5 MMA helevel HHSEX ethnicity Religion  /SAVE=PRED  /CONTRAST (HH6)=Indicator (2)  /CONTRAST (Division)=Indicator  /CONTRAST (women\_age)=Indicator (4)  /CONTRAST (welevel)=Indicator (1)  /CONTRAST (windex5)=Indicator (1)  /CONTRAST (MMA)=Indicator (0)  /CONTRAST (helevel)=Indicator (1)  /CONTRAST (HHSEX)=Indicator (2)  /CONTRAST (ethnicity)=Indicator (2)  /CONTRAST (Religion)=Indicator (1)  /PRINT=GOODFIT CI(95)  /CRITERIA=PIN(0.05) POUT(0.10) ITERATE(20) CUT(0.5). |
| Resources | Processor Time | 00:00:05.17 |
| Elapsed Time | 00:00:05.42 |
| Variables Created or Modified | PRE\_1 | Predicted probability |

|  |  |  |  |
| --- | --- | --- | --- |
| **Case Processing Summary** | | | |
| Unweighted Casesa | | N | Percent |
| Selected Cases | Included in Analysis | 26010 | 87.5 |
| Missing Cases | 3714 | 12.5 |
| Total | 29724 | 100.0 |
| Unselected Cases | | 0 | .0 |
| Total | | 29724 | 100.0 |
| a. If weight is in effect, see classification table for the total number of cases. | | | |

|  |  |
| --- | --- |
| **Dependent Variable Encoding** | |
| Original Value | Internal Value |
| Low | 0 |
| High | 1 |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Categorical Variables Codings** | | | | | | | | | |
|  | | Frequency | Parameter coding | | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) |
| Division | Barishal | 1820 | 1.000 | .000 | .000 | .000 | .000 | .000 | .000 |
| Chattogram | 4145 | .000 | 1.000 | .000 | .000 | .000 | .000 | .000 |
| Dhaka | 5563 | .000 | .000 | 1.000 | .000 | .000 | .000 | .000 |
| Khulna | 5179 | .000 | .000 | .000 | 1.000 | .000 | .000 | .000 |
| Mymenshing | 1392 | .000 | .000 | .000 | .000 | 1.000 | .000 | .000 |
| Rajshahi | 3366 | .000 | .000 | .000 | .000 | .000 | 1.000 | .000 |
| Rangpur | 2811 | .000 | .000 | .000 | .000 | .000 | .000 | 1.000 |
| Sylhet | 1734 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| Wealth index quintile | Poorest | 3430 | .000 | .000 | .000 | .000 |  |  |  |
| Second | 4652 | 1.000 | .000 | .000 | .000 |  |  |  |
| Middle | 5549 | .000 | 1.000 | .000 | .000 |  |  |  |
| Fourth | 6186 | .000 | .000 | 1.000 | .000 |  |  |  |
| Richest | 6193 | .000 | .000 | .000 | 1.000 |  |  |  |
| women\_age | 15-24 | 5682 | 1.000 | .000 | .000 |  |  |  |  |
| 25-34 | 11050 | .000 | 1.000 | .000 |  |  |  |  |
| 35-44 | 7321 | .000 | .000 | 1.000 |  |  |  |  |
| 44+ | 1957 | .000 | .000 | .000 |  |  |  |  |
| Education of household head | Pre-primary or none | 5508 | .000 | .000 | .000 |  |  |  |  |
| Primary | 6894 | 1.000 | .000 | .000 |  |  |  |  |
| Secondary | 8627 | .000 | 1.000 | .000 |  |  |  |  |
| Higher+ | 4981 | .000 | .000 | 1.000 |  |  |  |  |
| Education | Pre-primary or none | 2097 | .000 | .000 | .000 |  |  |  |  |
| Primary | 5147 | 1.000 | .000 | .000 |  |  |  |  |
| Secondary | 13738 | .000 | 1.000 | .000 |  |  |  |  |
| Higher secondary+ | 5028 | .000 | .000 | 1.000 |  |  |  |  |
| Religion | Islam | 23217 | .000 |  |  |  |  |  |  |
| Others | 2793 | 1.000 |  |  |  |  |  |  |
| MMA | No | 6388 | 1.000 |  |  |  |  |  |  |
| Yes | 19622 | .000 |  |  |  |  |  |  |
| Ethnicity of household head | Bengali | 25695 | 1.000 |  |  |  |  |  |  |
| Other | 315 | .000 |  |  |  |  |  |  |
| Sex of household head | Male | 23733 | 1.000 |  |  |  |  |  |  |
| Female | 2277 | .000 |  |  |  |  |  |  |
| Area | URBAN | 6441 | 1.000 |  |  |  |  |  |  |
| RURAL | 19569 | .000 |  |  |  |  |  |  |

**Block 0: Beginning Block**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Classification Tablea,b** | | | | | |
|  | Observed | | Predicted | | |
|  | score | | Percentage Correct |
|  | Low | High |
| Step 0 | score | Low | 0 | 10429 | .0 |
| High | 0 | 15817 | 100.0 |
| Overall Percentage | |  |  | 60.3 |
| a. Constant is included in the model. | | | | | |
| b. The cut value is .500 | | | | | |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Variables in the Equation** | | | | | | | |
|  | | B | S.E. | Wald | df | Sig. | Exp(B) |
| Step 0 | Constant | .417 | .013 | 1090.479 | 1 | .000 | 1.517 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Variables not in the Equation** | | | | | |
|  | | | Score | df | Sig. |
| Step 0 | Variables | Area(1) | 97.428 | 1 | .000 |
| Division | 368.217 | 7 | .000 |
| Division(1) | 16.617 | 1 | .000 |
| Division(2) | .944 | 1 | .331 |
| Division(3) | 96.923 | 1 | .000 |
| Division(4) | .020 | 1 | .888 |
| Division(5) | 1.914 | 1 | .166 |
| Division(6) | 55.512 | 1 | .000 |
| Division(7) | 47.085 | 1 | .000 |
| women\_age | 32.014 | 3 | .000 |
| women\_age(1) | .483 | 1 | .487 |
| women\_age(2) | 14.618 | 1 | .000 |
| women\_age(3) | 4.447 | 1 | .035 |
| Education | 1208.642 | 3 | .000 |
| Education(1) | 346.832 | 1 | .000 |
| Education(2) | 1.206 | 1 | .272 |
| Education(3) | 903.025 | 1 | .000 |
| Wealth index quintile | 304.496 | 4 | .000 |
| Wealth index quintile(1) | 85.832 | 1 | .000 |
| Wealth index quintile(2) | 9.686 | 1 | .002 |
| Wealth index quintile(3) | 1.453 | 1 | .228 |
| Wealth index quintile(4) | 227.043 | 1 | .000 |
| MMA(1) | 89.015 | 1 | .000 |
| Education of household head | 660.254 | 3 | .000 |
| Education of household head(1) | 105.894 | 1 | .000 |
| Education of household head(2) | 12.078 | 1 | .001 |
| Education of household head(3) | 496.232 | 1 | .000 |
| Sex of household head(1) | .070 | 1 | .791 |
| Ethnicity of household head(1) | 12.090 | 1 | .001 |
| Religion(1) | 8.724 | 1 | .003 |
| Overall Statistics | | 1833.962 | 25 | .000 |

**Block 1: Method = Backward Stepwise (Likelihood Ratio)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Omnibus Tests of Model Coefficients** | | | | |
|  | | Chi-square | df | Sig. |
| Step 1 | Step | 1935.479 | 25 | .000 |
| Block | 1935.479 | 25 | .000 |
| Model | 1935.479 | 25 | .000 |
| Step 2a | Step | -.109 | 1 | .741 |
| Block | 1935.370 | 24 | .000 |
| Model | 1935.370 | 24 | .000 |
| Step 3a | Step | -1.683 | 1 | .194 |
| Block | 1933.687 | 23 | .000 |
| Model | 1933.687 | 23 | .000 |
| Step 4a | Step | -7.727 | 4 | .102 |
| Block | 1925.960 | 19 | .000 |
| Model | 1925.960 | 22 | .000 |
| a. A negative Chi-squares value indicates that the Chi-squares value has decreased from the previous step. | | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Model Summary** | | | |
| Step | -2 Log likelihood | Cox & Snell R Square | Nagelkerke R Square |
| 1 | 33334.443a | .071 | .096 |
| 2 | 33334.552a | .071 | .096 |
| 3 | 33336.235a | .071 | .096 |
| 4 | 33343.962a | .071 | .096 |
| a. Estimation terminated at iteration number 4 because parameter estimates changed by less than .001. | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Hosmer and Lemeshow Test** | | | |
| Step | Chi-square | df | Sig. |
| 1 | 51.599 | 8 | .000 |
| 2 | 45.727 | 8 | .000 |
| 3 | 50.544 | 8 | .000 |
| 4 | 50.498 | 8 | .000 |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Contingency Table for Hosmer and Lemeshow Test** | | | | | | |
|  | | score = Low | | score = High | | Total |
| Observed | Expected | Observed | Expected |
| Step 1 | 1 | 1638 | 1587.529 | 982 | 1033.174 | 2621 |
| 2 | 1384 | 1403.973 | 1226 | 1205.964 | 2610 |
| 3 | 1350 | 1303.813 | 1305 | 1350.722 | 2655 |
| 4 | 1196 | 1187.205 | 1411 | 1419.927 | 2607 |
| 5 | 1089 | 1117.001 | 1537 | 1508.864 | 2626 |
| 6 | 979 | 1043.852 | 1667 | 1602.555 | 2646 |
| 7 | 957 | 947.112 | 1679 | 1688.331 | 2635 |
| 8 | 771 | 787.275 | 1855 | 1838.467 | 2626 |
| 9 | 533 | 609.311 | 2096 | 2019.391 | 2629 |
| 10 | 532 | 441.465 | 2059 | 2149.699 | 2591 |
| Step 2 | 1 | 1626 | 1585.600 | 991 | 1031.569 | 2617 |
| 2 | 1403 | 1411.019 | 1220 | 1212.557 | 2624 |
| 3 | 1335 | 1294.666 | 1302 | 1341.477 | 2636 |
| 4 | 1208 | 1195.100 | 1416 | 1429.527 | 2625 |
| 5 | 1081 | 1116.448 | 1544 | 1508.361 | 2625 |
| 6 | 970 | 1021.769 | 1619 | 1566.891 | 2589 |
| 7 | 947 | 944.570 | 1674 | 1676.917 | 2621 |
| 8 | 780 | 790.484 | 1840 | 1830.342 | 2621 |
| 9 | 532 | 611.511 | 2089 | 2010.438 | 2622 |
| 10 | 545 | 457.369 | 2121 | 2209.014 | 2666 |
| Step 3 | 1 | 1622 | 1582.793 | 991 | 1030.253 | 2613 |
| 2 | 1417 | 1426.116 | 1236 | 1227.244 | 2653 |
| 3 | 1321 | 1287.116 | 1302 | 1335.919 | 2623 |
| 4 | 1234 | 1211.729 | 1430 | 1451.931 | 2664 |
| 5 | 1080 | 1115.157 | 1545 | 1509.909 | 2625 |
| 6 | 975 | 1034.425 | 1651 | 1591.692 | 2626 |
| 7 | 959 | 943.241 | 1667 | 1682.931 | 2626 |
| 8 | 756 | 782.439 | 1860 | 1833.275 | 2616 |
| 9 | 531 | 606.221 | 2087 | 2012.258 | 2618 |
| 10 | 533 | 439.299 | 2048 | 2141.680 | 2581 |
| Step 4 | 1 | 1622 | 1570.707 | 974 | 1024.975 | 2596 |
| 2 | 1390 | 1411.401 | 1233 | 1211.789 | 2623 |
| 3 | 1290 | 1270.711 | 1296 | 1315.654 | 2586 |
| 4 | 1202 | 1194.056 | 1415 | 1423.007 | 2617 |
| 5 | 1100 | 1119.891 | 1526 | 1506.291 | 2626 |
| 6 | 990 | 1041.156 | 1643 | 1591.613 | 2633 |
| 7 | 959 | 947.122 | 1665 | 1676.684 | 2624 |
| 8 | 787 | 797.820 | 1839 | 1827.604 | 2625 |
| 9 | 527 | 611.850 | 2095 | 2010.801 | 2623 |
| 10 | 561 | 463.822 | 2132 | 2228.675 | 2692 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Classification Tablea** | | | | | |
|  | Observed | | Predicted | | |
|  | score | | Percentage Correct |
|  | Low | High |
| Step 1 | score | Low | 3382 | 7047 | 32.4 |
| High | 2630 | 13187 | 83.4 |
| Overall Percentage | |  |  | 63.1 |
| Step 2 | score | Low | 3384 | 7045 | 32.4 |
| High | 2639 | 13178 | 83.3 |
| Overall Percentage | |  |  | 63.1 |
| Step 3 | score | Low | 3363 | 7065 | 32.2 |
| High | 2629 | 13188 | 83.4 |
| Overall Percentage | |  |  | 63.1 |
| Step 4 | score | Low | 3395 | 7033 | 32.6 |
| High | 2622 | 13195 | 83.4 |
| Overall Percentage | |  |  | 63.2 |
| a. The cut value is .500 | | | | | |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Variables in the Equation** | | | | | | | | | |
|  | | B | S.E. | Wald | df | Sig. | Exp(B) | 95% C.I.for EXP(B) | |
| Lower | Upper |
| Step 1a | Area(1) | .134 | .034 | 15.356 | 1 | .000 | 1.143 | 1.069 | 1.222 |
| Division |  |  | 499.954 | 7 | .000 |  |  |  |
| Division(1) | -.751 | .090 | 69.974 | 1 | .000 | .472 | .396 | .563 |
| Division(2) | -1.037 | .069 | 224.114 | 1 | .000 | .355 | .310 | .406 |
| Division(3) | -1.297 | .066 | 381.121 | 1 | .000 | .273 | .240 | .311 |
| Division(4) | -.998 | .070 | 202.747 | 1 | .000 | .368 | .321 | .423 |
| Division(5) | -.868 | .080 | 117.381 | 1 | .000 | .420 | .359 | .491 |
| Division(6) | -1.227 | .071 | 300.839 | 1 | .000 | .293 | .255 | .337 |
| Division(7) | -.705 | .075 | 88.365 | 1 | .000 | .494 | .427 | .572 |
| women\_age |  |  | 18.065 | 3 | .000 |  |  |  |
| women\_age(1) | -.021 | .058 | .135 | 1 | .713 | .979 | .873 | 1.097 |
| women\_age(2) | .114 | .053 | 4.574 | 1 | .032 | 1.121 | 1.010 | 1.244 |
| women\_age(3) | .092 | .054 | 2.936 | 1 | .087 | 1.096 | .987 | 1.218 |
| Education |  |  | 564.735 | 3 | .000 |  |  |  |
| Education(1) | .134 | .055 | 5.878 | 1 | .015 | 1.143 | 1.026 | 1.274 |
| Education(2) | .545 | .055 | 100.093 | 1 | .000 | 1.725 | 1.550 | 1.920 |
| Education(3) | 1.318 | .067 | 383.666 | 1 | .000 | 3.734 | 3.273 | 4.260 |
| Wealth index quintile |  |  | 7.051 | 4 | .133 |  |  |  |
| Wealth index quintile(1) | -.008 | .050 | .023 | 1 | .880 | .992 | .899 | 1.096 |
| Wealth index quintile(2) | .077 | .050 | 2.350 | 1 | .125 | 1.080 | .979 | 1.192 |
| Wealth index quintile(3) | .091 | .052 | 3.097 | 1 | .078 | 1.095 | .990 | 1.212 |
| Wealth index quintile(4) | .089 | .058 | 2.307 | 1 | .129 | 1.093 | .975 | 1.225 |
| MMA(1) | -.189 | .035 | 29.797 | 1 | .000 | .828 | .774 | .886 |
| Education of household head |  |  | 40.280 | 3 | .000 |  |  |  |
| Education of household head(1) | .050 | .039 | 1.661 | 1 | .197 | 1.051 | .974 | 1.134 |
| Education of household head(2) | .157 | .039 | 15.893 | 1 | .000 | 1.170 | 1.083 | 1.264 |
| Education of household head(3) | .301 | .051 | 34.684 | 1 | .000 | 1.351 | 1.222 | 1.494 |
| Sex of household head(1) | -.015 | .047 | .109 | 1 | .741 | .985 | .899 | 1.079 |
| Ethnicity of household head(1) | -.681 | .191 | 12.652 | 1 | .000 | .506 | .348 | .737 |
| Religion(1) | -.061 | .047 | 1.646 | 1 | .200 | .941 | .858 | 1.033 |
| Constant | 1.335 | .217 | 38.003 | 1 | .000 | 3.799 |  |  |
| Step 2a | Area(1) | .133 | .034 | 15.248 | 1 | .000 | 1.142 | 1.068 | 1.221 |
| Division |  |  | 499.872 | 7 | .000 |  |  |  |
| Division(1) | -.751 | .090 | 70.004 | 1 | .000 | .472 | .396 | .563 |
| Division(2) | -1.035 | .069 | 224.356 | 1 | .000 | .355 | .310 | .407 |
| Division(3) | -1.296 | .066 | 381.035 | 1 | .000 | .274 | .240 | .312 |
| Division(4) | -.999 | .070 | 203.264 | 1 | .000 | .368 | .321 | .422 |
| Division(5) | -.868 | .080 | 117.499 | 1 | .000 | .420 | .359 | .491 |
| Division(6) | -1.228 | .071 | 301.340 | 1 | .000 | .293 | .255 | .336 |
| Division(7) | -.706 | .075 | 88.715 | 1 | .000 | .494 | .426 | .572 |
| women\_age |  |  | 18.209 | 3 | .000 |  |  |  |
| women\_age(1) | -.021 | .058 | .132 | 1 | .716 | .979 | .874 | 1.097 |
| women\_age(2) | .115 | .053 | 4.626 | 1 | .031 | 1.121 | 1.010 | 1.245 |
| women\_age(3) | .093 | .054 | 2.974 | 1 | .085 | 1.097 | .987 | 1.219 |
| Education |  |  | 564.709 | 3 | .000 |  |  |  |
| Education(1) | .134 | .055 | 5.881 | 1 | .015 | 1.144 | 1.026 | 1.274 |
| Education(2) | .545 | .055 | 100.077 | 1 | .000 | 1.725 | 1.550 | 1.920 |
| Education(3) | 1.318 | .067 | 383.680 | 1 | .000 | 3.734 | 3.273 | 4.261 |
| Wealth index quintile |  |  | 7.288 | 4 | .121 |  |  |  |
| Wealth index quintile(1) | -.007 | .050 | .021 | 1 | .884 | .993 | .899 | 1.096 |
| Wealth index quintile(2) | .078 | .050 | 2.399 | 1 | .121 | 1.081 | .980 | 1.193 |
| Wealth index quintile(3) | .092 | .051 | 3.216 | 1 | .073 | 1.097 | .991 | 1.213 |
| Wealth index quintile(4) | .091 | .058 | 2.431 | 1 | .119 | 1.095 | .977 | 1.227 |
| MMA(1) | -.189 | .035 | 29.740 | 1 | .000 | .828 | .774 | .886 |
| Education of household head |  |  | 40.196 | 3 | .000 |  |  |  |
| Education of household head(1) | .050 | .039 | 1.660 | 1 | .198 | 1.051 | .974 | 1.134 |
| Education of household head(2) | .158 | .039 | 16.095 | 1 | .000 | 1.171 | 1.084 | 1.265 |
| Education of household head(3) | .300 | .051 | 34.576 | 1 | .000 | 1.350 | 1.221 | 1.492 |
| Ethnicity of household head(1) | -.680 | .191 | 12.628 | 1 | .000 | .506 | .348 | .737 |
| Religion(1) | -.061 | .047 | 1.688 | 1 | .194 | .940 | .857 | 1.032 |
| Constant | 1.319 | .211 | 39.029 | 1 | .000 | 3.739 |  |  |
| Step 3a | Area(1) | .133 | .034 | 15.174 | 1 | .000 | 1.142 | 1.068 | 1.220 |
| Division |  |  | 498.658 | 7 | .000 |  |  |  |
| Division(1) | -.748 | .090 | 69.454 | 1 | .000 | .473 | .397 | .564 |
| Division(2) | -1.030 | .069 | 222.879 | 1 | .000 | .357 | .312 | .409 |
| Division(3) | -1.290 | .066 | 379.453 | 1 | .000 | .275 | .242 | .313 |
| Division(4) | -.997 | .070 | 202.383 | 1 | .000 | .369 | .322 | .423 |
| Division(5) | -.860 | .080 | 116.048 | 1 | .000 | .423 | .362 | .495 |
| Division(6) | -1.220 | .070 | 299.724 | 1 | .000 | .295 | .257 | .339 |
| Division(7) | -.701 | .075 | 87.776 | 1 | .000 | .496 | .428 | .574 |
| women\_age |  |  | 18.059 | 3 | .000 |  |  |  |
| women\_age(1) | -.018 | .058 | .096 | 1 | .756 | .982 | .877 | 1.100 |
| women\_age(2) | .117 | .053 | 4.810 | 1 | .028 | 1.124 | 1.012 | 1.248 |
| women\_age(3) | .093 | .054 | 3.026 | 1 | .082 | 1.098 | .988 | 1.220 |
| Education |  |  | 563.102 | 3 | .000 |  |  |  |
| Education(1) | .135 | .055 | 5.925 | 1 | .015 | 1.144 | 1.027 | 1.275 |
| Education(2) | .544 | .054 | 99.782 | 1 | .000 | 1.724 | 1.549 | 1.918 |
| Education(3) | 1.314 | .067 | 382.407 | 1 | .000 | 3.723 | 3.263 | 4.247 |
| Wealth index quintile |  |  | 7.734 | 4 | .102 |  |  |  |
| Wealth index quintile(1) | -.006 | .050 | .015 | 1 | .901 | .994 | .900 | 1.097 |
| Wealth index quintile(2) | .080 | .050 | 2.561 | 1 | .110 | 1.084 | .982 | 1.196 |
| Wealth index quintile(3) | .095 | .051 | 3.442 | 1 | .064 | 1.100 | .995 | 1.217 |
| Wealth index quintile(4) | .096 | .058 | 2.764 | 1 | .096 | 1.101 | .983 | 1.234 |
| MMA(1) | -.185 | .034 | 28.829 | 1 | .000 | .831 | .777 | .889 |
| Education of household head |  |  | 39.814 | 3 | .000 |  |  |  |
| Education of household head(1) | .049 | .039 | 1.594 | 1 | .207 | 1.050 | .973 | 1.133 |
| Education of household head(2) | .156 | .039 | 15.690 | 1 | .000 | 1.168 | 1.082 | 1.262 |
| Education of household head(3) | .299 | .051 | 34.289 | 1 | .000 | 1.348 | 1.220 | 1.490 |
| Ethnicity of household head(1) | -.628 | .187 | 11.264 | 1 | .001 | .534 | .370 | .770 |
| Constant | 1.253 | .205 | 37.400 | 1 | .000 | 3.500 |  |  |
| Step 4a | Area(1) | .150 | .031 | 22.982 | 1 | .000 | 1.162 | 1.093 | 1.235 |
| Division |  |  | 494.126 | 7 | .000 |  |  |  |
| Division(1) | -.773 | .089 | 75.496 | 1 | .000 | .462 | .388 | .550 |
| Division(2) | -1.029 | .069 | 222.712 | 1 | .000 | .357 | .312 | .409 |
| Division(3) | -1.289 | .066 | 380.104 | 1 | .000 | .275 | .242 | .314 |
| Division(4) | -1.007 | .069 | 210.169 | 1 | .000 | .365 | .319 | .418 |
| Division(5) | -.881 | .079 | 124.073 | 1 | .000 | .414 | .355 | .484 |
| Division(6) | -1.237 | .070 | 314.583 | 1 | .000 | .290 | .253 | .333 |
| Division(7) | -.726 | .074 | 96.850 | 1 | .000 | .484 | .419 | .559 |
| women\_age |  |  | 17.980 | 3 | .000 |  |  |  |
| women\_age(1) | -.035 | .058 | .363 | 1 | .547 | .966 | .863 | 1.081 |
| women\_age(2) | .102 | .053 | 3.688 | 1 | .055 | 1.107 | .998 | 1.228 |
| women\_age(3) | .086 | .054 | 2.549 | 1 | .110 | 1.089 | .981 | 1.210 |
| Education |  |  | 603.678 | 3 | .000 |  |  |  |
| Education(1) | .139 | .055 | 6.344 | 1 | .012 | 1.149 | 1.031 | 1.281 |
| Education(2) | .559 | .054 | 106.847 | 1 | .000 | 1.749 | 1.573 | 1.945 |
| Education(3) | 1.337 | .066 | 407.465 | 1 | .000 | 3.808 | 3.344 | 4.336 |
| MMA(1) | -.211 | .032 | 42.622 | 1 | .000 | .810 | .760 | .863 |
| Education of household head |  |  | 48.651 | 3 | .000 |  |  |  |
| Education of household head(1) | .052 | .039 | 1.812 | 1 | .178 | 1.053 | .977 | 1.136 |
| Education of household head(2) | .170 | .039 | 19.260 | 1 | .000 | 1.185 | 1.099 | 1.279 |
| Education of household head(3) | .318 | .050 | 40.896 | 1 | .000 | 1.375 | 1.247 | 1.516 |
| Ethnicity of household head(1) | -.599 | .186 | 10.330 | 1 | .001 | .549 | .381 | .792 |
| Constant | 1.288 | .203 | 40.126 | 1 | .000 | 3.625 |  |  |
| a. Variable(s) entered on step 1: Area, Division, women\_age, Education, Wealth index quintile, MMA, Education of household head, Sex of household head, Ethnicity of household head, Religion. | | | | | | | | | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Model if Term Removed** | | | | | |
| Variable | | Model Log Likelihood | Change in -2 Log Likelihood | df | Sig. of the Change |
| Step 1 | Area | -16674.916 | 15.389 | 1 | .000 |
| Division | -16940.013 | 545.584 | 7 | .000 |
| women\_age | -16676.239 | 18.035 | 3 | .000 |
| Education | -16962.353 | 590.263 | 3 | .000 |
| Wealth index quintile | -16670.744 | 7.045 | 4 | .134 |
| MMA | -16682.083 | 29.724 | 1 | .000 |
| Education of household head | -16687.376 | 40.309 | 3 | .000 |
| Sex of household head | -16667.276 | .109 | 1 | .741 |
| Ethnicity of household head | -16674.030 | 13.618 | 1 | .000 |
| Religion | -16668.042 | 1.641 | 1 | .200 |
| Step 2 | Area | -16674.916 | 15.279 | 1 | .000 |
| Division | -16940.033 | 545.515 | 7 | .000 |
| women\_age | -16676.365 | 18.178 | 3 | .000 |
| Education | -16962.395 | 590.238 | 3 | .000 |
| Wealth index quintile | -16670.917 | 7.282 | 4 | .122 |
| MMA | -16682.110 | 29.667 | 1 | .000 |
| Education of household head | -16687.387 | 40.223 | 3 | .000 |
| Ethnicity of household head | -16674.071 | 13.591 | 1 | .000 |
| Religion | -16668.118 | 1.683 | 1 | .194 |
| Step 3 | Area | -16675.720 | 15.205 | 1 | .000 |
| Division | -16940.323 | 544.412 | 7 | .000 |
| women\_age | -16677.132 | 18.029 | 3 | .000 |
| Education | -16962.395 | 588.555 | 3 | .000 |
| Wealth index quintile | -16671.981 | 7.727 | 4 | .102 |
| MMA | -16682.496 | 28.757 | 1 | .000 |
| Education of household head | -16688.039 | 39.844 | 3 | .000 |
| Ethnicity of household head | -16674.188 | 12.141 | 1 | .000 |
| Step 4 | Area | -16683.514 | 23.066 | 1 | .000 |
| Division | -16941.886 | 539.809 | 7 | .000 |
| women\_age | -16680.954 | 17.946 | 3 | .000 |
| Education | -16988.371 | 632.779 | 3 | .000 |
| MMA | -16693.237 | 42.512 | 1 | .000 |
| Education of household head | -16696.325 | 48.689 | 3 | .000 |
| Ethnicity of household head | -16677.537 | 11.111 | 1 | .001 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Variables not in the Equation** | | | | | |
|  | | | Score | df | Sig. |
| Step 2a | Variables | Sex of household head(1) | .109 | 1 | .741 |
| Overall Statistics | | .109 | 1 | .741 |
| Step 3b | Variables | Sex of household head(1) | .152 | 1 | .697 |
| Religion(1) | 1.689 | 1 | .194 |
| Overall Statistics | | 1.798 | 2 | .407 |
| Step 4c | Variables | Wealth index quintile | 7.736 | 4 | .102 |
| Wealth index quintile(1) | 3.990 | 1 | .046 |
| Wealth index quintile(2) | .791 | 1 | .374 |
| Wealth index quintile(3) | 1.474 | 1 | .225 |
| Wealth index quintile(4) | .326 | 1 | .568 |
| Sex of household head(1) | .445 | 1 | .505 |
| Religion(1) | 2.136 | 1 | .144 |
| Overall Statistics | | 9.536 | 6 | .146 |
| a. Variable(s) removed on step 2: Sex of household head. | | | | | |
| b. Variable(s) removed on step 3: Religion. | | | | | |
| c. Variable(s) removed on step 4: Wealth index quintile. | | | | | |