Table 3: Bivariable and Multivariable analysis of factors associated with knowledge of safe abortion among female students in Debre Markos University, Northwest Ethiopia, April, 2016.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Characteristics** | **Knowledge level** | **COR (95% CI)** | **AOR (95% CI)** | **P-value** |
| Knowledgeable (n (%) | Not knowledgeable (n (%) |
| **Age** |
| 20 years and less | 60 (34.9) | 112 (65.1) | **1.51 (1.02,2.22)\*** | 1.43 (0.93,2.18) | 0.1 |
| More than 20 years | 139 (44.7) | 172 (55.3) | 1.00 | 1.00 |  |
| **Marital status** |
| Single | 161 (38.4) | 258 (61.6) | **0.42 (0.25,0.73)\*** | **2.7 (1.52,4.79)** | **0.001** |
| married | 38 (59.4) | 26 (40.6) | 1.00 | 1.00 |  |
| **Family residence** |
| Urban | 82 (48.5) | 87 (51.5) | 1.00 | 1.00 |  |
| Rural | 117 (37.5) | 197 (62.5) | **1.59 (1.09,2.32)\*** | **1.56 (1.03,2.39)** | **0.03** |
| **Father’s educational level** |
| Illiterate | 89 (38.2) | 144 (61.8) | 1.56 (0.85,2.86) |  |  |
| Elementary | 48 (38.1) | 78 (61.9) | 1.56 (0.81,3.01) |  |  |
| High school | 37 (50.7) | 36 (49.3) | 0.94 (0.46,1.91) |  |  |
| College/university | 25 (49) | 26 (51) | 1.00 |  |  |
| **Mother’s educational level** |
| Illiterate | 100 (35.8) | 179 (64.2) | **2.51 (1.07,5.85)\*** | **2.68 (1.08,6.61)** | **0.03** |
| Elementary | 52 (43.7) | 67 (56.3) | 1.8 (0.74,4.39) | 1.92 (0.74,4.95) | 0.17 |
| High school | 33 (54.1) | 28 (45.9) | 1.19 (0.46,3.09) | 1.5 (0.54,4.14) | 0.43 |
| College/university | 14 (58.3) | 10 (41.7) | 1.00 | 1.00 |  |
| **Life status of respondent’s family** |
| Both alive | 153 (42.3) | 209 (57.7) | 1.00 |  |  |
| Only mother alive | 26 (40.6) | 38 (59.4) | 0.74 (0.27,2.06) |  |  |
| Only father alive | 14 (35) | 26 (65) | 0.8 (0.26,2.42) |  |  |
| Both died | 6 (35.3) | 11 (64.7) | 1.01 (0.31,3.32) |  |  |
| **Ever heard about liberalized safe abortion** |
| Yes | 79 (42.2) | 108 (57.8) | 1.00 |  |  |
| No | 120 (40.5) | 176 (59.5) | 1.04 (0.74,1.56) |  |  |
| **Ever pregnant before** |
| Yes | 47 (85.5) | 8 (14.5) | 1.00 | 1.00 |  |
| No | 152 (35.5) | 276 (64.5) | **10.67 (4.91,23.16)\*** | **10.68 (4.52,25.22)** | **0.0001** |
| **Previous abortion experience**  |
| Yes | 31 (79.5) | 8 (20.5) | 1.00 |  |  |
| No | 13 (81.2) | 3 (18.8) | 1.12 (0.26,4.90) |  |  |
| **Have boyfriend/husband** |
| yes | 107 (49.3) | 110 (50.7) | 1.00 | 1 (0.57,1.77) | **0.98** |
| No | 92 (34.6) | 174 (65.4) | **1.84 (1.27,2.66)\*** | 1.00 |  |
| **Department of respondent** |
| Health and medicine | 51 (50.5) | 50 (49.5) | 1.00 | 1.00 |  |
| Other field of study | 148 (38.7) | 234 (61.3) | **1.6 (1.04,2.51)\*** | 0.65 (0.4,1.05) | **0.08** |
| **Year of study** |
| Two years and less | 116 (40.1) | 173 (59.9) | 1.11 (0.77,1.61) |  |  |
| More than two years | 83 (42.8) | 111 (57.2) | 1.00 |  |  |
| **Ever had sexual intercourse** |
| Yes | 87 (56.9) | 66 (43.1) | 1.00 | 1.00 |  |
| No | 112 (33.9) | 218 (66.1) | **2.57 (1.73,3.80)\*** | 1.12 (0.59,2.12) | **0.74** |
| **Ever used contraceptives** |
| Yes | 67 (55.4) | 54 (44.6) | 1.00 |  |  |
| No | 20 (62.5) | 12 (37.5) | 0.74 (0.33,1.66) |  |  |

**Hint\*** = p-value ≤ 0.03.