**Table S2**

**Circumcision Rates (%) and Odds Ratios among Ethnic Groups, Religions, and Regions in Eastern and Southern African Countries**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Country** | **Ethnic Group** | | | | **Religion** | | | | **Region** | | | |
| Name | Percent of Total Population | Circumcision Rate (%) | Odds Ratio | Name | Percent of Total Population | Circumcision Rate (%) | Odds Ratio | Name | Percent of Total Population | Circumcision Rate (%) | Odds Ratio |
| Ethiopia | Oromo | 35.4 | 95.2 | 1.00 | Orthodox | 48.6 | 96.5 | 1.00 | Oromiya | 38.2 | 93.9 | 1.00 |
| Amhara | 32.1 | 96.0 | 0.46 | Muslim | 29.2 | 95.8 | 0.76 | Amhara | 27.7 | 95.6 | 1.28 |
| Tigrie | 6.5 | 97.0 | 0.74 | Protestant | 18.8 | 79.4 | 0.16\*\*\* | S.N.N.P. | 17.9 | 78.9 | 1.65 |
| Sidama | 3.8 | 66.2 | 0.19\* | Catholic | 1.0 | 84.5 | 0.24\*\* | Tigray | 6.1 | 96.5 | 0.98 |
| Welaita | 2.9 | 97.2 | 2.23 | Traditional | 0.7 | 77.7 | 0.17\*\*\* | Addis Ababa | 5.1 | 99.1 | 3.48\* |
| Other | 19.4 | 83.0 | 0.19\*\* | Other | 1.8 | 60.2 | 0.09\*\*\* | Other | 4.9 | 95.4 | 2.93 |
| Kenya | Kikuyu | 17.7 | 98.2 | 1.00 | Protestant | 62.9 | 85.1 | 1.00 | Rift Valley | 27.0 | 91.1 | 1.00 |
| Luhya | 17.4 | 96.1 | 0.44 | Catholic | 25.6 | 84.6 | 0.65\* | Eastern | 16.8 | 96.6 | 1.87 |
| Kalenjin | 13.3 | 94.2 | 0.62 | Muslim | 6.4 | 96.5 | 1.64 | Nyanza | 15.9 | 44.3 | 1.12 |
| Luo | 13.0 | 21.0 | 0.004\*\*\* | No Religion | 4.4 | 92.9 | 0.88 | Western | 10.7 | 93.7 | 2.04 |
| Kamba | 11.6 | 99.2 | 2.48 | Other | 0.7 | 71.5 | 0.22 | Central | 10.6 | 97.0 | 1.24 |
| Other | 27.0 | 92.9 | 0.24\*\* | - | - | - | - | Other | 19.0 | 93.4 | 3.60\* |
| Lesotho | - | - | - | - | Catholic | 42.5 | 50.3 | 1.00 | Maseru | 25.5 | 35.5 | 1.00 |
| - | - | - | - | Evangelical | 19.9 | 47.6 | 1.02 | Leribe | 16.0 | 57.1 | 2.52\*\*\* |
| - | - | - | - | Pentecostal | 18.7 | 59.6 | 1.27\* | Berea | 15.2 | 47.9 | 1.72\*\* |
| - | - | - | - | Anglican | 8.9 | 48.9 | 0.85 | Mafeteng | 9.9 | 53.3 | 1.97\*\*\* |
| - | - | - | - | No Religion | 5.1 | 62.1 | 0.94 | Mohale's Hoek | 8.6 | 60.2 | 1.74\*\* |
| - | - | - | - | Other | 4.9 | 50.8 | 1.19 | Other | 24.9 | 64.7 | 2.31\*\*\* |
| Malawi | Chewa | 33.3 | 6.0 | 1.00 | Christian,oth | 35.2 | 13.4 | 1.00 | Central | 45.2 | 10.1 | 1.00 |
| Lomwe | 17.9 | 29.9 | 3.65\*\*\* | Catholic | 22.3 | 8.9 | 0.76 | Southern | 43.8 | 38.3 | 3.40\*\*\* |
| Yao | 13.1 | 87.2 | 10.84\*\*\* | CCAP | 16.7 | 8.6 | 0.91 | Northern | 11.0 | 2.6 | 0.67 |
| Ngoni | 12.8 | 5.8 | 0.82 | Muslim | 12.2 | 94.1 | 48.21\*\*\* | - | - | - | - |
| Tumbuka | 8.5 | 1.0 | 0.29\*\* | SDA | 7.1 | 18.2 | 1.35 | - | - | - | - |
| Other | 14.3 | 13.9 | 1.54 | Other | 6.6 | 11.3 | 1.17 | - | - | - | - |
| Mozambique | Emakhuwa | 26.9 | 79.5 | 1.00 | Catholic | 31.1 | 55.1 | 1.00 | Zambezia | 18.6 | 49.1 | 1.00 |
| Xichanga | 10.0 | 28.3 | 0.25\*\*\* | Islamic | 19.5 | 85.2 | 3.06\*\*\* | Nampula | 15.6 | 84.0 | 3.45\*\* |
| Cisena | 9.8 | 13.6 | 0.38\* | No Religion | 17.4 | 24.0 | 0.42\*\*\* | Tete | 12.2 | 2.0 | 0.07\*\*\* |
| Cicewa | 8.8 | 4.7 | 0.18\*\* | Evangelical | 13.4 | 32.3 | 0.51\*\*\* | Cabo Delgado | 9.9 | 72.2 | 1.83 |
| Elomwe | 8.2 | 64.9 | 2.34\* | Zion/Sião | 11.5 | 27.8 | 0.53\*\*\* | Sofala | 9.9 | 16.3 | 0.36\*\* |
| Other | 36.4 | 47.1 | 0.75 | Other | 7.1 | 41.3 | 0.70\* | Other | 33.7 | 50.8 | 1.96\*\* |
| Namibia | - | - | - | - | Protestant | 70.6 | 21.2 | 1.00 | Khomas | 25.1 | 26.6 | 1.00 |
| - | - | - | - | Catholic | 26.4 | 18.5 | 0.76\* | Erongo | 9.3 | 18.7 | 0.72 |
| - | - | - | - | No Religion | 2.4 | 38.1 | 1.74 | Kavango | 8.4 | 30.5 | 2.70\*\* |
| - | - | - | - | Other | 0.6 | 42.9 | 1.87 | Oshikoto | 8.2 | 8.3 | 0.46\* |
| - | - | - | - | - | - | - | - | Omusati | 8.2 | 7.9 | 0.51 |
| - | - | - | - | - | - | - | - | Other | 40.8 | 21.2 | 1.19 |
| Rwanda | - | - | - | - | Catholic | 48.5 | 9.7 | 1.00 | East | 25.2 | 9.7 | 1 |
| - | - | - | - | Protestant | 35.2 | 14.9 | 1.43\*\*\* | West | 23.5 | 20.4 | 3.29\*\*\* |
| - | - | - | - | Adventist | 11.8 | 13.7 | 1.49\* | South | 22.8 | 4.5 | 0.50\*\*\* |
| - | - | - | - | Muslim | 1.9 | 72.6 | 29.92\*\*\* | North | 16.0 | 5.2 | 0.59\*\* |
| - | - | - | - | No religion | 1.7 | 11.2 | 0.97 | Kigali City | 12.5 | 33.9 | 1.29 |
| - | - | - | - | Other | 0.9 | 20.4 | 1.44 | - | - | - | - |
| Swaziland | - | - | - | - | Zionist | 37.1 | 6.5 | 1.00 | Manzini | 32.5 | 9.2 | 1.00 |
| - | - | - | - | No Religion | 18.7 | 8.9 | 1.23 | Hhohho | 26.5 | 9.2 | 0.94 |
| - | - | - | - | Protestant | 17.8 | 8.0 | 1.07 | Lubombo | 20.8 | 6.9 | 0.71\* |
| - | - | - | - | Charismatic | 10.8 | 10.2 | 1.36 | Shiselwe | 20.3 | 6.7 | 0.96 |
| - | - | - | - | Apostolic Sect | 6.1 | 9.1 | 1.30 | - | - | - | - |
| - | - | - | - | Other | 9.6 | 11.1 | 1.43 | - | - | - | - |
| Tanzania | - | - | - | - | - | - | - | - | Mwanza | 10.9 | 49.4 | 1.00 |
| - | - | - | - | - | - | - | - | Dar es Salaam | 8.2 | 95.5 | 7.56\*\* |
| - | - | - | - | - | - | - | - | Shinyang | 6.7 | 29.2 | 0.40\* |
| - | - | - | - | - | - | - | - | Kagera | 6.4 | 38.2 | 0.74 |
| - | - | - | - | - | - | - | - | Morogoro | 5.8 | 96.1 | 25.30\*\*\* |
| - | - | - | - | - | - | - | - | Other | 62.0 | 79.2 | 4.24\*\*\* |
| Uganda | Baganda | 16.7 | 31.1 | 1.00 | Catholic | 44.0 | 14.8 | 1.00 | Western | 14.3 | 29.1 | 1.00 |
| Banyankole | 10.0 | 18.2 | 1.36 | Protestant | 31.8 | 19.2 | 1.09 | Eastern | 13.1 | 36.8 | 3.07\* |
| Basoga | 9.0 | 50.5 | 2.03 | Muslim | 12.6 | 94.0 | 103.81\*\*\* | Southwest | 12.7 | 8.8 | 0.23\*\* |
| Bakiga | 7.4 | 10.3 | 0.83 | Pentecostal | 8.3 | 23.1 | 1.35 | Central 2 | 11.0 | 25.3 | 0.33\* |
| Iteso | 6.7 | 7.7 | 0.13\*\*\* | SDA | 1.8 | 21.4 | 1.00 | East Central | 10.9 | 43.6 | 0.63 |
| Other | 50.2 | 27.9 | 1.59 | Other | 1.5 | 3.5 | 0.1237\* | Other | 38.0 | 24.2 | 0.30\*\* |
| Zambia | Bemba | 20.7 | 6.6 | 1.00 | Protestant | 74.6 | 13.2 | 1.00 | Copperbelt | 19.1 | 14.7 | 1.00 |
| Tonga | 11.0 | 2.6 | 0.31\*\* | Catholic | 21.9 | 9.4 | 0.90 | Lusaka | 17.7 | 10.3 | 0.71 |
| Chewa | 8.3 | 4.8 | 1.20 | Muslim | 0.5 | 62.5 | 25.48\*\*\* | Northern | 13.4 | 3.2 | 0.20\*\*\* |
| Nsenga | 5.5 | 3.7 | 0.71 | Other | 3.0 | 19.6 | 1.48 | Eastern | 13.4 | 3.1 | 0.16\*\*\* |
| Lozi | 5.4 | 8.1 | 0.66 | - | - | - | - | Southern | 10.2 | 4.3 | 0.68 |
| Other | 49.1 | 20.7 | 2.72\*\*\* | - | - | - | - | Other | 26.2 | 26.4 | 1.94\*\* |
| Zimbabwe | - | - | - | - | Apostolic | 27.3 | 8.2 | 1.00 | Harare | 18.3 | 8.6 | 1.00 |
| - | - | - | - | No Religion | 21.6 | 8.0 | 0.94 | Manicaland | 13.6 | 13.1 | 1.92\*\* |
| - | - | - | - | Pentecostal | 14.3 | 9.5 | 1.10 | Midlands | 12.5 | 9.8 | 1.32 |
| - | - | - | - | Protestant | 14.0 | 9.5 | 1.10 | MashonaWest | 12.3 | 7.6 | 1.05 |
| - | - | - | - | Catholic | 10.3 | 9.4 | 1.06 | MashonaCentral | 10.3 | 5.8 | 0.82 |
| - |  | - | - | Other | 12.6 | 12.3 | 1.42\* | Other | 33.0 | 9.3 | 1.25 |

*Note: Statistical significance within the logistic regression model has been marked by asterisks: \* p<0.05, \*\* p<0.01, and \*\*\* p<0.001*