| **Characteristic** | **OR***1* | **95% CI***1* | **p-value** |
| --- | --- | --- | --- |
| Age\_of\_Participants | 0.97 | 0.92, 1.03 | 0.3 |
| Gender |  |  |  |
| Female | — | — |  |
| Male | 1.60 | 0.86, 2.99 | 0.14 |
| Marital\_Status |  |  |  |
| Married | — | — |  |
| Single | 1.37 | 0.41, 4.39 | 0.6 |
| Type\_of\_Family |  |  |  |
| Broken | — | — |  |
| Joint | 3.93 | 0.28, 102 | 0.3 |
| Nuclear | 5.25 | 0.37, 136 | 0.2 |
| Level\_of\_Education |  |  |  |
| Bachelor of Science | — | — |  |
| Can read and write | 0.34 | 0.06, 1.72 | 0.2 |
| High School | 0.66 | 0.14, 2.73 | 0.6 |
| Illiterate | 0.67 | 0.06, 16.5 | 0.8 |
| Master of Science | 3.32 | 0.33, 82.0 | 0.4 |
| Primary school | 0.33 | 0.07, 1.50 | 0.2 |
| Secondary school | 0.49 | 0.10, 2.10 | 0.3 |
| Occupational\_Status |  |  |  |
| Civil servant | — | — |  |
| High school student | 0.00 |  | >0.9 |
| Housewife | 0.00 |  | >0.9 |
| Self-employed | 0.00 |  | >0.9 |
| Unemployed | 0.00 |  | >0.9 |
| University student | 0.00 |  | >0.9 |
| Area\_of\_Residence |  |  |  |
| Rural | — | — |  |
| Urban | 1.20 | 0.67, 2.17 | 0.5 |
| Economic\_Class |  |  |  |
| High income | — | — |  |
| Low income | 5.64 | 0.30, 155 | 0.2 |
| Moderate income | 4.83 | 0.26, 131 | 0.3 |
| Diagnosis |  |  |  |
| Beta thalassemia major | — | — |  |
| E-beta-thalassaemia | 0.86 | 0.43, 1.68 | 0.7 |
| Hemoglobin H | 0.84 | 0.06, 22.5 | >0.9 |
| Others | 4,618,537 | 0.00, NA | >0.9 |
| Severity |  |  |  |
| No | — | — |  |
| Yes | 0.73 | 0.39, 1.38 | 0.3 |
| Transfusion\_Status |  |  |  |
| Transfusion dependent | — | — |  |
| Transfusion independent | 0.76 | 0.17, 3.61 | 0.7 |
| Frequency\_of\_Blood\_Transfusion |  |  |  |
| High (13-22 times/year) | — | — |  |
| Low (6-12 times/year) | 1.46 | 0.75, 2.84 | 0.3 |
| None | 7.30 | 0.79, 176 | 0.12 |
| Occasional (1-5 times/year) | 1.13 | 0.38, 3.48 | 0.8 |
| Previous\_3Months\_Transfution |  |  |  |
| No | — | — |  |
| Yes | 0.84 | 0.23, 2.92 | 0.8 |
| Splenectomy\_Status |  |  |  |
| No | — | — |  |
| Yes | 0.54 | 0.28, 1.04 | 0.063 |
| Comorbidities\_Status |  |  |  |
| Cardiological disorders | — | — |  |
| Diabetes mellitus | 0.00 | 0.00, 96,057,585 | >0.9 |
| Hepatitis B or C | 0.56 | 0.06, 4.04 | 0.6 |
| No comorbidity | 2.03 | 0.23, 13.7 | 0.5 |
| Others | 0.83 | 0.09, 6.27 | 0.9 |
| Ironchelating\_Therapy\_Status |  |  |  |
| Good compliance | — | — |  |
| Poor compliance | 0.57 | 0.14, 2.61 | 0.4 |
| Medical\_Expense | 1.00 | 1.00, 1.00 | 0.068 |
| *1*OR = Odds Ratio, CI = Confidence Interval | | | |