| **Characteristic** | **N** | **OR***1* | **95% CI***1* | **p-value** |
| --- | --- | --- | --- | --- |
| Age\_of\_Participants | 356 | 0.97 | 0.94, 1.00 | **0.042** |
| Gender | 356 |  |  |  |
| Female |  | — | — |  |
| Male |  | 1.51 | 0.92, 2.47 | 0.10 |
| Marital\_Status | 356 |  |  |  |
| Married |  | — | — |  |
| Single |  | 1.61 | 0.84, 3.00 | 0.14 |
| Type\_of\_Family | 356 |  |  |  |
| Broken |  | — | — |  |
| Joint |  | 5.28 | 0.49, 116 | 0.2 |
| Nuclear |  | 7.81 | 0.73, 170 | 0.10 |
| Level\_of\_Education | 356 |  |  |  |
| Bachelor of Science |  | — | — |  |
| Can read and write |  | 0.38 | 0.11, 1.21 | 0.11 |
| High School |  | 1.00 | 0.35, 2.54 | >0.9 |
| Illiterate |  | 1.57 | 0.21, 32.5 | 0.7 |
| Master of Science |  | 2.35 | 0.33, 47.6 | 0.5 |
| Primary school |  | 0.69 | 0.23, 1.87 | 0.5 |
| Secondary school |  | 0.84 | 0.27, 2.44 | 0.8 |
| Occupational\_Status | 356 |  |  |  |
| 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 | 356 |  |  |  |
| Rural |  | — | — |  |
| Urban |  | 1.13 | 0.69, 1.84 | 0.6 |
| Economic\_Class | 356 |  |  |  |
| High income |  | — | — |  |
| Low income |  | 6.41 | 0.60, 140 | 0.13 |
| Moderate income |  | 6.84 | 0.64, 150 | 0.12 |
| Diagnosis | 356 |  |  |  |
| Beta thalassemia major |  | — | — |  |
| E-beta-thalassaemia |  | 0.92 | 0.53, 1.57 | 0.8 |
| Hemoglobin H |  | 0.59 | 0.05, 13.1 | 0.7 |
| Others |  | 1,706,019 | 0.00, NA | >0.9 |
| Severity | 356 |  |  |  |
| No |  | — | — |  |
| Yes |  | 0.62 | 0.37, 1.02 | 0.063 |
| Transfusion\_Status | 356 |  |  |  |
| Transfusion dependent |  | — | — |  |
| Transfusion independent |  | 1.81 | 0.73, 5.48 | 0.2 |
| Frequency\_of\_Blood\_Transfusion | 356 |  |  |  |
| High (13-22 times/year) |  | — | — |  |
| Low (6-12 times/year) |  | 1.63 | 0.93, 2.87 | 0.086 |
| None |  | 6.88 | 1.33, 126 | 0.066 |
| Occasional (1-5 times/year) |  | 1.03 | 0.53, 2.06 | >0.9 |
| Previous\_3Months\_Transfution | 356 |  |  |  |
| No |  | — | — |  |
| Yes |  | 0.62 | 0.27, 1.28 | 0.2 |
| Splenectomy\_Status | 356 |  |  |  |
| No |  | — | — |  |
| Yes |  | 0.57 | 0.34, 0.95 | **0.030** |
| Comorbidities\_Status | 356 |  |  |  |
| Cardiological disorders |  | — | — |  |
| Diabetes mellitus |  | 0.10 | 0.00, 1.21 | 0.10 |
| Hepatitis B or C |  | 0.72 | 0.09, 4.12 | 0.7 |
| No comorbidity |  | 2.30 | 0.31, 12.1 | 0.3 |
| Others |  | 1.04 | 0.13, 6.15 | >0.9 |
| Ironchelating\_Therapy\_Status | 356 |  |  |  |
| Good compliance |  | — | — |  |
| Poor compliance |  | 1.17 | 0.41, 4.18 | 0.8 |
| Medical\_Expense | 356 | 1.00 | 1.00, 1.00 | **0.006** |
| *1*OR = Odds Ratio, CI = Confidence Interval | | | | |