| **Characteristic** | **N** | **Beta** | **95% CI***1* | **p-value** |
| --- | --- | --- | --- | --- |
| Age\_of\_Participants | 356 | -0.25 | -0.46, -0.03 | **0.026** |
| Gender | 356 |  |  |  |
| Female |  | — | — |  |
| Male |  | 2.5 | -1.0, 6.0 | 0.2 |
| Marital\_Status | 356 |  |  |  |
| Married |  | — | — |  |
| Single |  | 4.9 | 0.06, 9.7 | **0.047** |
| Type\_of\_Family | 356 |  |  |  |
| Broken |  | — | — |  |
| Joint |  | 14 | -4.6, 33 | 0.14 |
| Nuclear |  | 20 | 0.90, 38 | **0.040** |
| Level\_of\_Education | 356 |  |  |  |
| Bachelor of Science |  | — | — |  |
| Can read and write |  | -3.7 | -12, 5.1 | 0.4 |
| High School |  | 3.6 | -3.0, 10 | 0.3 |
| Illiterate |  | -2.9 | -17, 11 | 0.7 |
| Master of Science |  | 3.8 | -8.2, 16 | 0.5 |
| Primary school |  | 1.1 | -6.1, 8.3 | 0.8 |
| Secondary school |  | 0.46 | -7.1, 8.0 | >0.9 |
| Occupational\_Status | 356 |  |  |  |
| Civil servant |  | — | — |  |
| High school student |  | -4.3 | -37, 29 | 0.8 |
| Housewife |  | -14 | -47, 20 | 0.4 |
| Self-employed |  | -5.3 | -38, 28 | 0.8 |
| Unemployed |  | -7.5 | -40, 25 | 0.7 |
| University student |  | -10 | -44, 24 | 0.6 |
| Area\_of\_Residence | 356 |  |  |  |
| Rural |  | — | — |  |
| Urban |  | 0.42 | -3.1, 3.9 | 0.8 |
| Economic\_Class | 356 |  |  |  |
| High income |  | — | — |  |
| Low income |  | 16 | -3.0, 35 | 0.10 |
| Moderate income |  | 17 | -2.1, 36 | 0.082 |
| Diagnosis | 356 |  |  |  |
| Beta thalassemia major |  | — | — |  |
| E-beta-thalassaemia |  | -1.9 | -5.8, 1.9 | 0.3 |
| Hemoglobin H |  | 11 | -8.2, 30 | 0.3 |
| Others |  | 10 | -3.6, 24 | 0.15 |
| Severity | 356 |  |  |  |
| No |  | — | — |  |
| Yes |  | -2.2 | -5.7, 1.3 | 0.2 |
| Transfusion\_Status | 356 |  |  |  |
| Transfusion dependent |  | — | — |  |
| Transfusion independent |  | 5.1 | -0.86, 11 | 0.093 |
| Frequency\_of\_Blood\_Transfusion | 356 |  |  |  |
| High (13-22 times/year) |  | — | — |  |
| Low (6-12 times/year) |  | 2.1 | -1.9, 6.1 | 0.3 |
| None |  | 7.5 | -0.81, 16 | 0.077 |
| Occasional (1-5 times/year) |  | -0.31 | -5.4, 4.8 | >0.9 |
| Previous\_3Months\_Transfution | 356 |  |  |  |
| No |  | — | — |  |
| Yes |  | -2.1 | -7.0, 2.7 | 0.4 |
| Splenectomy\_Status | 356 |  |  |  |
| No |  | — | — |  |
| Yes |  | -2.8 | -6.6, 1.0 | 0.2 |
| Comorbidities\_Status | 356 |  |  |  |
| Cardiological disorders |  | — | — |  |
| Diabetes mellitus |  | -18 | -36, 0.82 | 0.061 |
| Hepatitis B or C |  | -4.2 | -18, 9.7 | 0.6 |
| No comorbidity |  | 4.1 | -9.1, 17 | 0.5 |
| Others |  | -2.9 | -17, 11 | 0.7 |
| Ironchelating\_Therapy\_Status | 356 |  |  |  |
| Good compliance |  | — | — |  |
| Poor compliance |  | 4.0 | -3.7, 12 | 0.3 |
| Medical\_Expense | 356 | 0.00 | 0.00, 0.00 | 0.2 |
| *1*CI = Confidence Interval | | | | |