| **Characteristic** | **N** | **Beta** | **95% CI***1* | **p-value** |
| --- | --- | --- | --- | --- |
| Age of Participant | 340 | -0.32 | -0.52, -0.13 | **0.001** |
| Gender | 340 |  |  |  |
| Female |  | — | — |  |
| Male |  | 2.0 | -1.2, 5.2 | 0.2 |
| Your marital status | 340 |  |  |  |
| Married |  | — | — |  |
| Single |  | 6.4 | 1.9, 11 | **0.005** |
| Type of family | 340 |  |  |  |
| Broken |  | — | — |  |
| Joint |  | 17 | -0.01, 34 | 0.050 |
| Nuclear |  | 21 | 4.5, 38 | **0.013** |
| Your education level | 340 |  |  |  |
| Bachelor of Science |  | — | — |  |
| Can read and write |  | -1.2 | -9.3, 7.0 | 0.8 |
| High School |  | 4.6 | -1.4, 11 | 0.13 |
| Illiterate |  | -1.5 | -15, 12 | 0.8 |
| Master of Science |  | 7.3 | -3.4, 18 | 0.2 |
| Primary school |  | 0.09 | -6.4, 6.6 | >0.9 |
| Secondary school |  | 1.5 | -5.4, 8.3 | 0.7 |
| Occupational status | 340 |  |  |  |
| Civil servant |  | — | — |  |
| High school student |  | -3.1 | -32, 26 | 0.8 |
| Housewife |  | -13 | -43, 17 | 0.4 |
| Self-employed |  | -4.9 | -35, 25 | 0.7 |
| Unemployed |  | -5.0 | -34, 24 | 0.7 |
| University student |  | -7.2 | -37, 23 | 0.6 |
| Area of Residence | 340 |  |  |  |
| Rural |  | — | — |  |
| Urban |  | 2.1 | -1.0, 5.3 | 0.2 |
| Your economic class | 340 |  |  |  |
| High income |  | — | — |  |
| Low income |  | -4.3 | -25, 16 | 0.7 |
| Moderate income |  | -0.77 | -22, 20 | >0.9 |
| Diagnosis | 340 |  |  |  |
| Beta thalassemia major |  | — | — |  |
| E-beta-thalassaemia |  | -3.4 | -6.9, 0.02 | 0.052 |
| Hemoglobin H |  | 11 | -6.3, 28 | 0.2 |
| Others |  | 4.6 | -12, 22 | 0.6 |
| Age at onset of anemia (years) | 340 | -0.16 | -0.39, 0.07 | 0.2 |
| Having a severe condition at the time of diagnosis? | 340 |  |  |  |
| No |  | — | — |  |
| Yes |  | -2.2 | -5.4, 0.99 | 0.2 |
| Transfusion dependent or independent? | 340 |  |  |  |
| Transfusion dependent |  | — | — |  |
| Transfusion independent |  | 6.8 | 1.3, 12 | **0.015** |
| Age at first transfusion (years) | 340 | -0.01 | -0.02, 0.01 | 0.4 |
| Frequency of blood transfusion | 340 |  |  |  |
| High (13-22 times/year) |  | — | — |  |
| Low (6-12 times/year) |  | 2.1 | -1.5, 5.7 | 0.3 |
| None |  | 7.9 | 0.14, 16 | **0.046** |
| Occasional (1-5 times/year) |  | 1.0 | -3.6, 5.7 | 0.7 |
| Receiving a blood transfusion during the previous 3 months | 340 |  |  |  |
| No |  | — | — |  |
| Yes |  | -4.0 | -8.6, 0.53 | 0.083 |
| Did you had splenectomy | 340 |  |  |  |
| No |  | — | — |  |
| Yes |  | -3.2 | -6.6, 0.25 | 0.069 |
| Do you have comorbidities | 340 |  |  |  |
| Cardiological disorders |  | — | — |  |
| Diabetes mellitus |  | -11 | -28, 5.2 | 0.2 |
| Hepatitis B or C |  | 0.23 | -12, 13 | >0.9 |
| No comorbidity |  | 5.9 | -5.9, 18 | 0.3 |
| Others |  | -2.0 | -15, 11 | 0.8 |
| Iron-chelating therapy status | 340 |  |  |  |
| Good compliance |  | — | — |  |
| Poor compliance |  | 3.2 | -4.1, 10 | 0.4 |
| Medical expenses per annum | 340 | 0.00 | 0.00, 0.00 | 0.14 |
| *1*CI = Confidence Interval | | | | |