**Supplementary Tables**

**Table 1. Aggregate decomposition of the change in perceived accessibility to healthcare (excluding the 290 repeated respondents)**

|  |  |  |
| --- | --- | --- |
|  | **Coefficient** | **Percentage contribution (%)** |
| Accessibility in 2014 | 0.9668\*\* |  |
| Accessibility in 2005 | 0.8932\*\* |  |
| Change in accessibility | 0.0735\*\* |  |
| **Overall contribution to the change** |  |  |
| Distributional effect | 0.0471\*\* | 64 |
| Coefficient effect | 0.0602\*\* | 82 |
| Interaction | -0.0339\*\* | -46 |

Notes: \*\* *p<0.001*

**Table 2. Distributional and coefficient effects of explanatory variables on the change in perceived accessibility to healthcare (excluding the 290 repeated respondents)**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Explanatory variable** | **Distributional effect** | |  | **Coefficient effect** | |  | **Interaction effect** | |
| Coefficient | % |  | Coefficient | % |  | Coefficient | % |
| **Age (years)** (Ref.=“≥85”) |  |  |  |  |  |  |  |  |
| 65-74 | -0.0001 | -0.21 |  | 0.0042 | 6.98 |  | -0.0001 | 0.29 |
| 75-84 | **0.0013\*** | 2.76 |  | 0.0022 | 3.65 |  | 0.0015 | -4.42 |
| **Gender** (Ref.=Male) |  |  |  |  |  |  |  |  |
| Female | 0.0090 | 19.11 |  | **0.0323\*** | 53.65 |  | -0.0020 | 5.90 |
| **Living arrangement** (Ref.=With family) |  |  |  |  |  |  |  |  |
| Alone | **-0.0012\*** | -2.55 |  | -0.0004 | -0.66 |  | -0.0003 | 0.88 |
| In an institution | -0.0003 | -0.64 |  | -0.0004 | -0.66 |  | 0.0003 | -0.88 |
| **Marital status** (Ref.=Married) |  |  |  |  |  |  |  |  |
| Separated/Divorce | 0.0001 | 0.21 |  | 0.0002 | 0.33 |  | -0.0001 | 0.29 |
| Widowed | -0.0011 | -2.34 |  | -0.0158 | -26.25 |  | 0.0045 | -13.27 |
| Never married | 0.0001 | 0.21 |  | -0.0002 | -0.33 |  | 0.0001 | -0.29 |
| **Years of schooling (**Ref.**=0)** |  |  |  |  |  |  |  |  |
| 1-5 | 0.0001 | 0.21 |  | 0.0076 | 12.62 |  | -0.0003 | 0.88 |
| ≥6 | -0.0003 | -0.64 |  | 0.0014 | 2.33 |  | 0.0006 | -1.77 |
| **Employment status** (Ref.=Unretired) |  |  |  |  |  |  |  |  |
| Retired | -0.0001 | -0.21 |  | -0.0228 | -37.87 |  | 0.0008 | -2.36 |
| **Affordability for** **daily expenses** (Ref.=No) |  |  |  |  |  |  |  |  |
| Yes | **0.0049\*\*** | 10.40 |  | **-0.0116\*** | -19.27 |  | 0.0020 | -5.90 |
| **Economic status** (Ref.=Very poor) |  |  |  |  |  |  |  |  |
| Poor | 0.0039 | 8.28 |  | -0.0010 | -1.66 |  | -0.0007 | 2.06 |
| Fair | **0.0113\*** | 23.99 |  | -0.0081 | -13.46 |  | 0.0014 | -4.13 |
| Rich | 0.0025 | 5.31 |  | -0.0016 | -2.66 |  | -0.0005 | 1.47 |
| Very rich | 0.0024 | 5.10 |  | **-0.0040\*\*** | -6.64 |  | 0.0032 | -9.44 |
| **Insurance** (Ref.=No) |  |  |  |  |  |  |  |  |
| One | **0.0104\*** | 22.08 |  | -0.0037 | -6.15 |  | -0.0164 | 48.38 |
| Two or more | **0.0161\*\*** | 34.18 |  | **-0.0085\*** | -14.12 |  | **-0.0187\*** | 55.16 |
| **Out-of-pocket ratio for medical care** (Ref.= “≥80%”) | |  |  |  |  |  |  |  |
| <40% | **0.0056\*** | 11.89 |  | **0.0015\*** | 2.49 |  | -0.0035 | 10.32 |
| 40%-79% | 0.0011 | 2.34 |  | 0.0004 | .66 |  | -0.0067 | 19.76 |
| **Region** (Ref.=Eastern) |  |  |  |  |  |  |  |  |
| Central | -0.0011 | -2.34 |  | 0.0069 | 11.46 |  | 0.0050 | -14.75 |
| Western | **0.0021\*** | 4.46 |  | 0.0016 | 2.66 |  | -0.0017 | 5.01 |
| **Residency** (Ref.=Urban) |  |  |  |  |  |  |  |  |
| Rural | **0.0008\*** | 1.70 |  | 0.0270 | 44.85 |  | 0.0002 | -.59 |
| **Hypertension** (Ref.=Yes) |  |  |  |  |  |  |  |  |
| No | 0.0012 | 2.55 |  | 0.0109 | 18.11 |  | -0.0020 | 5.90 |
| **Diabetes** (Ref.=Yes) |  |  |  |  |  |  |  |  |
| No | 0.0005 | 1.06 |  | -0.0301 | -50.00 |  | 0.0033 | -9.73 |
| **Heart disease** (Ref.=Yes) |  |  |  |  |  |  |  |  |
| No | 0.0004 | 0.85 |  | 0.0313 | 51.99 |  | -0.0017 | 5.01 |
| **Self-rated health** (Ref.=Very bad) |  |  |  |  |  |  |  |  |
| Bad | -0.0003 | -0.64 |  | 0.0006 | 1.00 |  | 0.0001 | -0.29 |
| Fair | **0.0031\*** | 6.58 |  | 0.0034 | 5.65 |  | -0.0011 | 3.24 |
| Good | **-0.0018\*** | -3.82 |  | 0.0012 | 1.99 |  | -0.0002 | 0.59 |
| Very good | **-0.0018\*** | -3.82 |  | 0.0027 | 4.49 |  | -0.0011 | 3.24 |

Note: Figures in bold indicate coefficients with statistical significance \* *p<0.05*; \*\* *p<0.001*