**Supplement**

**Table S1.** Generalized linear models (Gamma with log link) selection

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Fitted models 1 | Variables number | Model description | Omnibus Test 3 (P) | Goodness of Fit (Value/df) 4 | |
| Deviance | Pearson Chi-Square |
| **Disease severity**, Gender, District, **Reimbursement proportion**, **FMMAI** 2 | 5 | Main effects | < 0.0001 | 0.981 | 0.943 |
| **Disease severity**, **Reimbursement proportion**, **FMMAI** 2 | 3 | Main effects | < 0.0001 | 0.974 | 0.893 |
| **Disease severity**, **Reimbursement proportion**, **FMMAI**, **Disease severity \* Reimbursement proportion \* FMMAI** | 4 | Main effects and 3-way interaction | < 0.0001 | 1.099 | 1.023 |
| **Disease severity**, Reimbursement proportion, FMMAI, Disease severity \* Reimbursement proportion, Disease severity \* FMMAI, Reimbursement proportion \* FMMAI | 6 | Main effects and all 2-way interactions | < 0.0001 | 1.142 | 1.166 |

# Variables in old characters have statistically significant model effects (P < 0.05).

1 Intercept is included in models.

2 FMMAI, short for Family member monthly average income

3 Compares the fitted model against the intercept-only model.

4 Information criteria are in smaller-is-better form.