**Figure 2 – Source Data 2.** **Estimated model parameters under Poisson regression models.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Number of prefixed clusters** | **Cluster label** $i$ | $$γ\_{i, intercept}$$ | $$γ\_{i, age}$$ | $$γ\_{i, age2}$$ |
| 2 | 1 | -14.70 | 1.43 | -0.073 |
| 2 | -13.64 | 1.50 | -0.085 |
| 3 | 1 | -14.71 | 1.39 | -0.071 |
| 2 | -13.66 | 1.52 | -0.086 |
| 3 | -14.65 | 1.48 | -0.075 |
| 4 | 1 | -14.66 | 1.39 | -0.071 |
| 2 | -13.66 | 1.52 | -0.086 |
| 3 | -14.65 | 1.48 | -0.075 |
| 4 | -16.16 | 1.62 | -0.086 |

The definition of $γ\_{i, \*}$ is given Appendix S1.