**Trajectories and risk factors of dementia progression: A memory clinic cohort followed up to three years from diagnosis**

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Supplementary information

Table S1. Overview of trajectory-class selection

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No. Classes | Trajectory Shape | BIC\*  (N = 440) | Smallest class size % | Lowest group APP | Lowest OCC |
| 2 | 1 1 | -3093 | 39 | 0.95 | 12.3 |
| 2 | 1 2 | -3095 | 39 | 0.95 | 11.9 |
| 2 | 2 2 | -3097 | 39 | 0.95 | 12.8 |
| 3 | 1 1 1 | -2943 | 21 | 0.90 | 13.5 |
| 3 | 1 1 2 | -2946 | 21 | 0.88 | 14.2 |
| **3** | **1 2 1** † | **-2939** | **21** | **0.88** | **13.4** |
| 3 | 1 2 2 | -2941 | 22 | 0.88 | 13.4 |
| 3 | 2 1 1 | -2944 | 21 | 0.88 | 14.1 |
| 3 | 2 1 2 | -2946 | 21 | 0.89 | 14.3 |
| 3 | 2 2 2 | -2941 | 22 | 0.89 | 14.4 |
| 4 | 1 1 1 1 | -2894 | 9 | 0.84 | 13.4 |

NOTE. The process of enumeration was done by applying group-based trajectory modelling. The selection of trajectories (number and shape of classes) was guided by the model fit.

Abbreviations: 1, linear progression lines; 2, quadratic progression lines; BIC, Bayesian information criterion; N, number of patients; AAP, average posterior probability of group membership; OCC, odds of correct classification

\*In traj-package, the negative BIC values closest to zero indicates better fit.

† The selected model.