**Supplementary Tables**

**Table S1.** Unconditional means & unconditional growth models for CMA I and CMA II at 6-month windows

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **CMA I** | | | **CMA II** | | |
| **Parameter estimates** | **Un. Means** | | **Un. Growth** | **Un. Means** | | **Un. Growth** |
| *Fixed effects* | |  | | |  | |
| Mean CMA window 1 (intercept) | 90.43\*\*\* (0.13) | | 90.39\*\*\*(0.17) | 89.44\*\*\* (0.12) | | 89.02\*\*\*(0.15) |
| Rate of change (window order) | - | | 0.69\*\*\*(0.07) | - | | 0.17\*\*\*(0.07) |
| *Variance random effects* | |  | | |  | |
| Within person (level 1) | 169.00 | | 158.13 | 180.41 | | 167.06 |
| Between person (level 2 intercept) | 71.25 | | 90.19 | 87.35 | | 94.06 |
| Rate of change (window order) | - | | 6.04 | - | | 7.98 |
| Correlation | - | | -.66 | - | | -.61 |
| AIC | 238498.3 | | 238324.7 | 292417.3 | | 292240.7 |
| ***ICC*** | .30 | | .36 | .33 | | .36 |

Un. Means – unconditional means model, Un. Growth – unconditional growth model, AIC = Akaike Information Criterion, ICC = Intra-class Coefficient

Table S2. Model comparison for longitudinal models of CMA I and CMA II

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Model** | **df** | **AIC** | **BIC** | **logLik** | **Test** | **L.Ratio** | **p-value** |
| **CMA I** |  |  |  |  |  |  |  |
| Unconditional means (1) | 3 | 238498.3 | 238523.2 | -119246.2 | 1 vs 2 | 179.64828 | <.001 |
| Unconditional growth (2) | 6 | 238324.7 | 238374.3 | -119156.3 | 2 vs 3 | 76.62217 | <.001 |
| No random effect of time (3) | 4 | 238397.3 | 238430.4 | -119194.7 | 3 vs 4 | 15.02439 | <.001 |
| No fixed effect of time (4) | 5 | 238414.3 | 238455.7 | -119202.2 | 2 vs 4 | 91.64656 | <.001 |
| **CMA II** |  |  |  |  |  |  |  |
| Unconditional means (1) | 3 | 292417.3 | 292442.7 | -146205.7 | 1 vs 2 | 182.6558 | <.001 |
| Unconditional growth (2) | 6 | 292240.7 | 292291.5 | -146114.3 | 2 vs 3 | 175.8662 | <.001 |
| No random effect of time (3) | 4 | 292412.5 | 292446.4 | -146202.3 | 3 vs 4 | 169.9510 | <.001 |
| No fixed effect of time (4) | 5 | 292244.6 | 292286.9 | -146117.3 | 2 vs 4 | 5.915223 | .015 |

df = degrees of freedom, AIC = Akaike Information Criterion, BIC = Bayesian Information Criterion,

LogLik = log likelihood, L.Ratio = log-likelihood ratio statistic

Figure S1 Flowchart of study to identify eligible patients