**Supplementary materials**

**Assumptions**

**Normality**



**Constant Variance**



**Multicolinearity in regression**

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| **Coefficientsa** |
| Model | Unstandardized Coefficients | Standardized Coefficients | t | Sig. | Collinearity Statistics |
| B | Std. Error | Beta | Tolerance | VIF |
| 1 | (Constant) | 13.381 | 1.142 |  | 11.715 | .000 |  |  |
| prev\_stroke | -.122 | .423 | -.018 | -.287 | .774 | .953 | 1.050 |
| Rockwood | -.053 | .019 | -.207 | -2.841 | .005 | .697 | 1.434 |
| Stoke\_Type | .408 | .388 | .066 | 1.051 | .295 | .923 | 1.083 |
| prestroke\_cog | -2.281 | .652 | -.221 | -3.499 | .001 | .929 | 1.076 |
| Delirium | -2.810 | .664 | -.272 | -4.230 | .000 | .895 | 1.118 |
| Age | -.052 | .016 | -.242 | -3.191 | .002 | .641 | 1.561 |
| Sex | -.223 | .388 | -.038 | -.574 | .567 | .842 | 1.188 |
| NIHSS | -.200 | .055 | -.233 | -3.628 | .000 | .892 | 1.121 |
| a. Dependent Variable: MOCA |

**Linearity**



**Supplementary material Figure 1: Frailty measure**

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| **Rockwood Frailty Index**  |
| DepressionAnxietyPolypharmacyHypertensionAtrial FibrilationPrev cerebrovascualar diseaseDiabetesVascular diseaseHyperlipidaemiaHeart failurePrevious Myocardial infarction | Haemoglobin (low)Care-home residentCarersHearing aidSensory impairment (e.g. blind/deaf)Continence bladderContinence bowelFalls FractureChronic-Obstructive-Pulmonary-DiseaseCancer | Liver diseasePeptic ulcerArthritisImpaired external ADLImpaired ADL Mobility aidAssistance walkingCalciumAlbumin (low)High glucoseRenal failure |