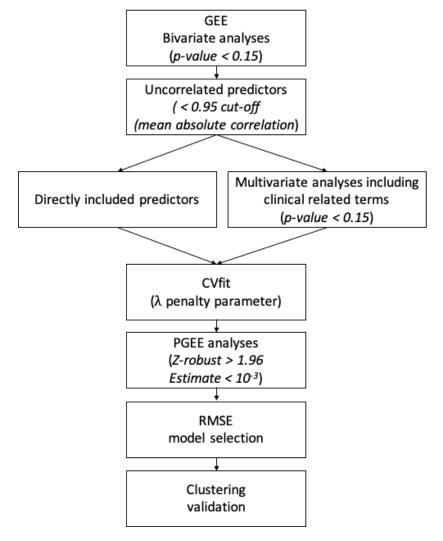
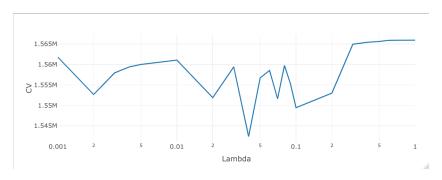


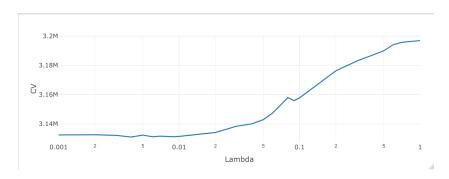
Supplementary Figure 5.1: Visual representation of the visit selection criteria. The black bold lines represent visits that are spaced more than 365 days from previous and last visit, and therefore were excluded



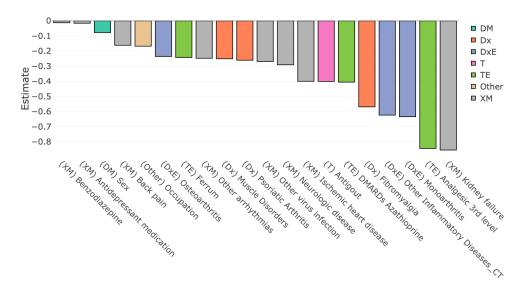
Supplementary Figure 5.2: Variable selection and validation criteria



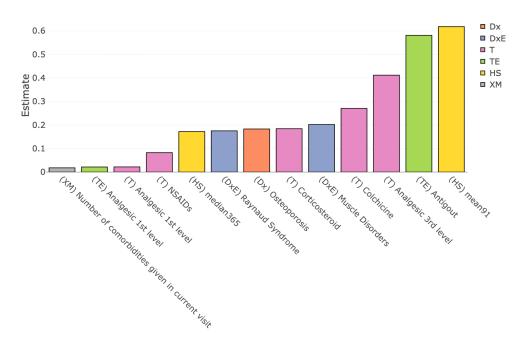
Supplementary Figure 5.3: Lambda penalty estimation parameter for independent working correlation structure. k-fold = 5, with gaussian and identity functions. X-axis in log scale



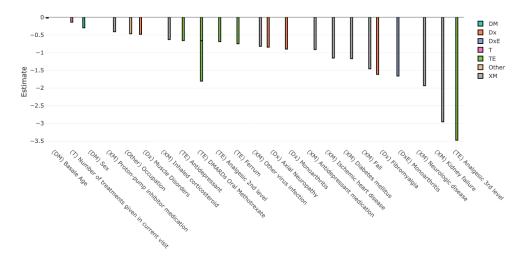
Supplementary Figure 5.4: Lambda penalty estimation parameter for independent working correlation structure without QoL related variables. k-fold = 5, with gaussian and identity functions. X-axis in log scale



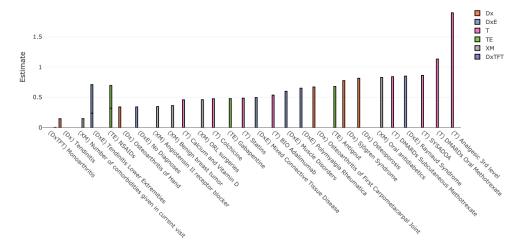
Supplementary Figure 5.5: Selected negative predictors in the final model, including variables related to previous health related quality of life measures



Supplementary Figure 5.6: Selected positive predictors in the final model, including variables related to previous health related quality of life measures



Supplementary Figure 5.7: Selected negative predictors in the final model, excluding variables related to previous health related quality of life measures



Supplementary Figure 5.8: Selected positive predictors in the final model, excluding vari-ables related to previous health related quality of life measures