

Multimorbidity (MM) in EHR

- Current project
 - Clusters of 38 long-term conditions by age stratas (latent class model)
 - Robustness checked in a held-out sample (indirect)
- Next line of research
 - Evolution of MMs (e.g. A->AB->AB->AB->ABC). Competing-risk models, to be jointly modelled with 1)informative presence 2)multivariate longitudinal measures (clinical test data on BP). Break IIA -> patient-level REs to be correlated across equations.
- Puzzles
 - How to validate latent class solutions (or cluster solutions in general)?
 - Local dependence (stability vs usefulness of “pseudo classes”)?
 - Correct classes & prediction accuracy? (account for misclassification error)