

Additional file 4. Transparent changes

This study was prospectively pre-registered on the Open Science Framework on 26 September 2019 (<https://osf.io/qnpw2>). Deviations from the pre-registered protocol were as follows:

- We planned to carry out hierarchical cluster analysis (HCA). However, HCA did not result in a clinically relevant clustering solution, as the optimal number of clusters determined was two, with the majority of patients in one cluster (both when including and excluding hypertension).
- Criteria for defining and labelling clusters of conditions was not pre-specified, as we preferred to clinically review the resulting patterns of conditions in groups of patients. We have however reported the prevalence of all conditions in each group of patients identified.
- The threshold for excluding conditions with a high or low prevalence were not pre-specified.