A complex network diagram with numerous nodes of varying sizes and colors (dark blue, light blue, grey) connected by thin grey lines. Some nodes are highlighted with larger concentric circles. The background is a light grey with faint, larger-scale network patterns.

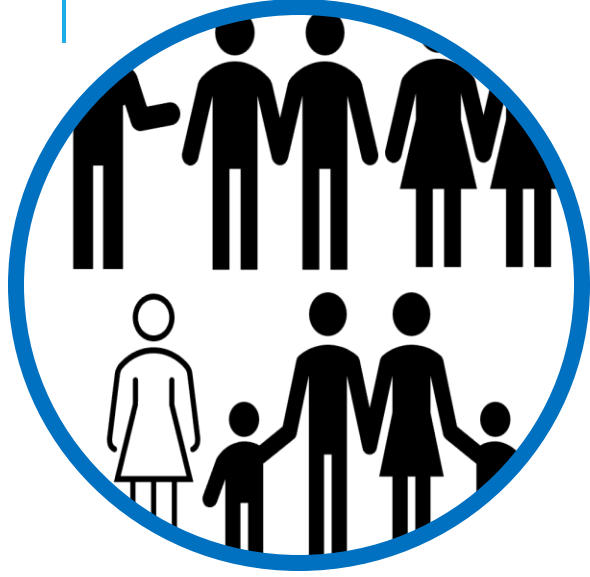
# Clusters of post-acute COVID-19 symptoms: a latent class analysis across 9 databases and 7 countries

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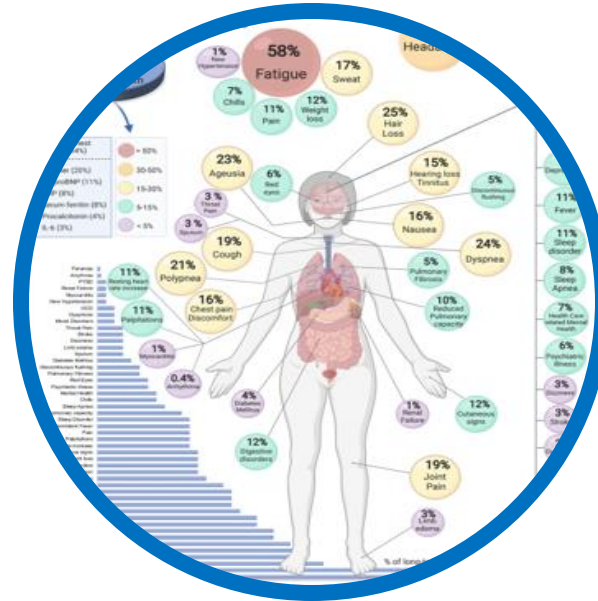


UNIVERSITY OF  
**OXFORD**

# Clusters of post-acute COVID-19 symptoms: a latent class analysis across 9 databases and 7 countries



Around 1 in 10 people are expected to develop post-acute COVID-19 symptoms.



The symptomatology is very broad, with >200 symptoms reported in some articles.

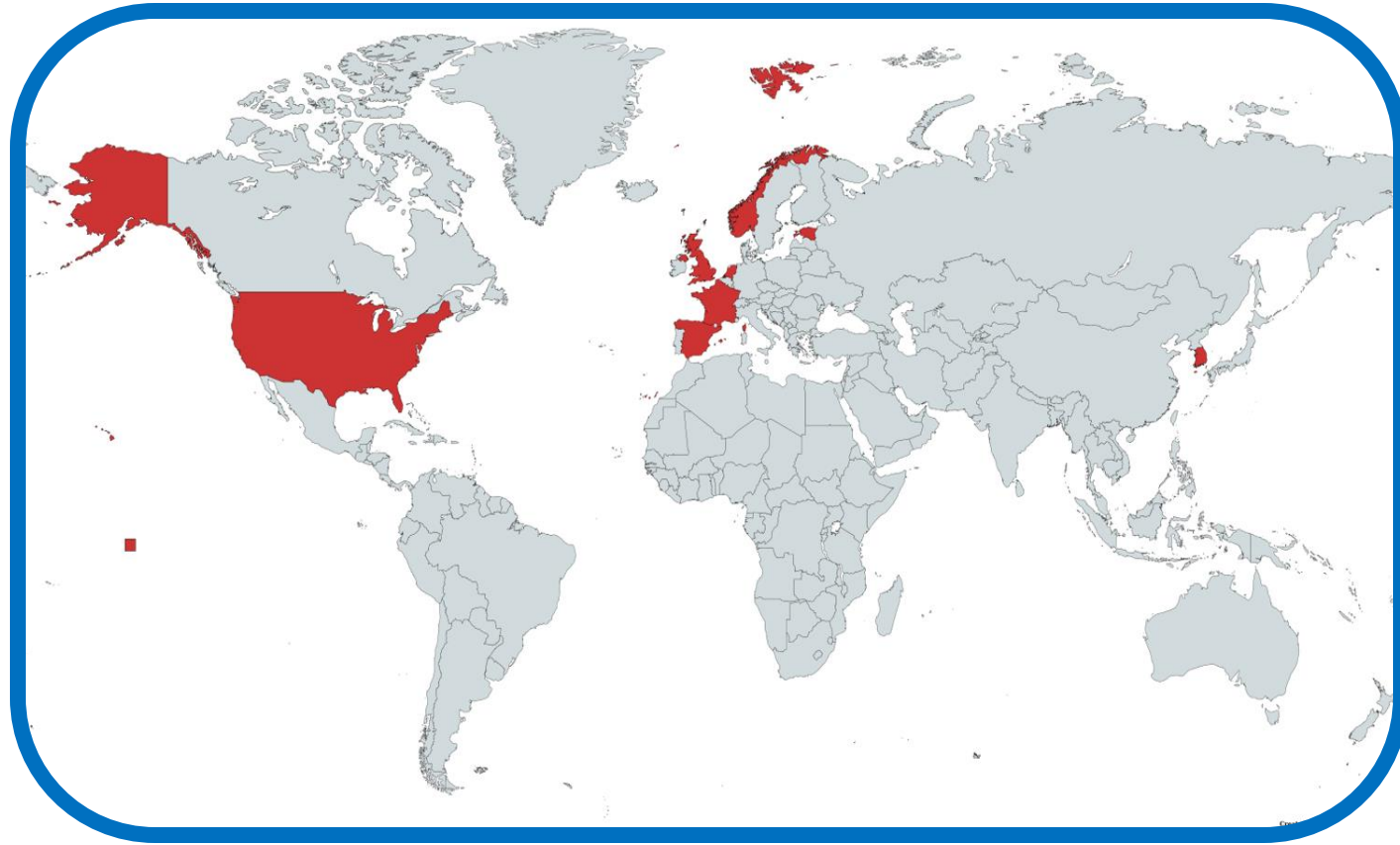


## A clinical case definition of post COVID-19 condition by a Delphi consensus

6 October 2021

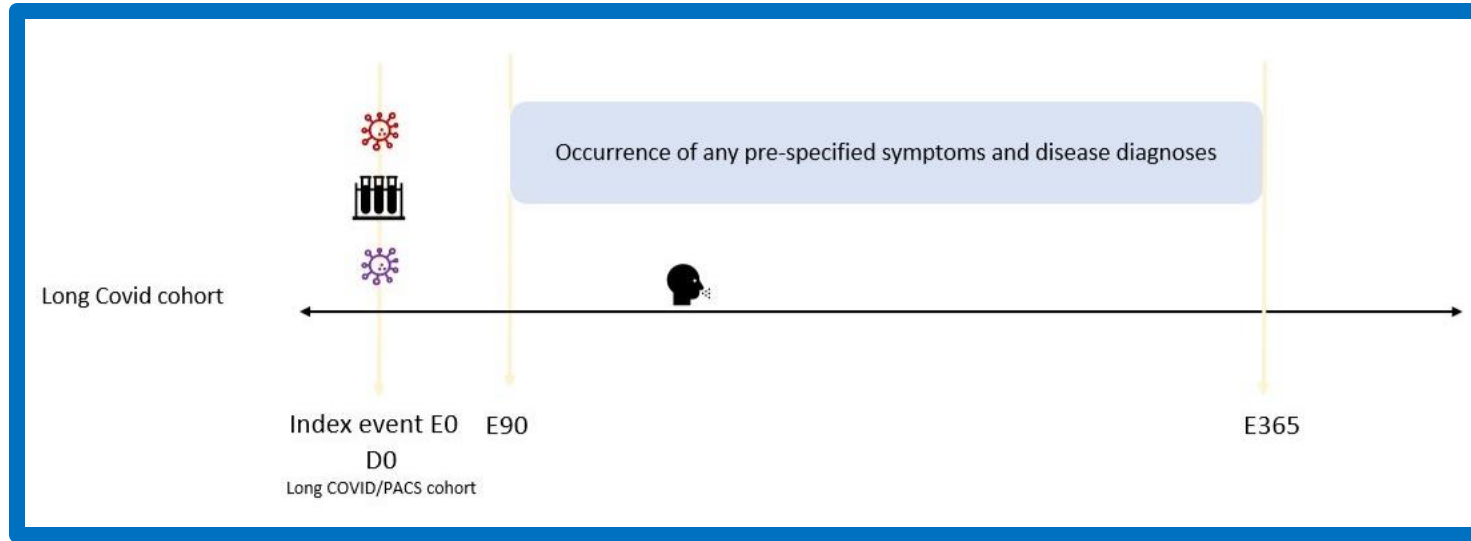


SARS-CoV-2 infection plus relevant symptoms 3 months from the onset of COVID-19 with no alternative explanation.



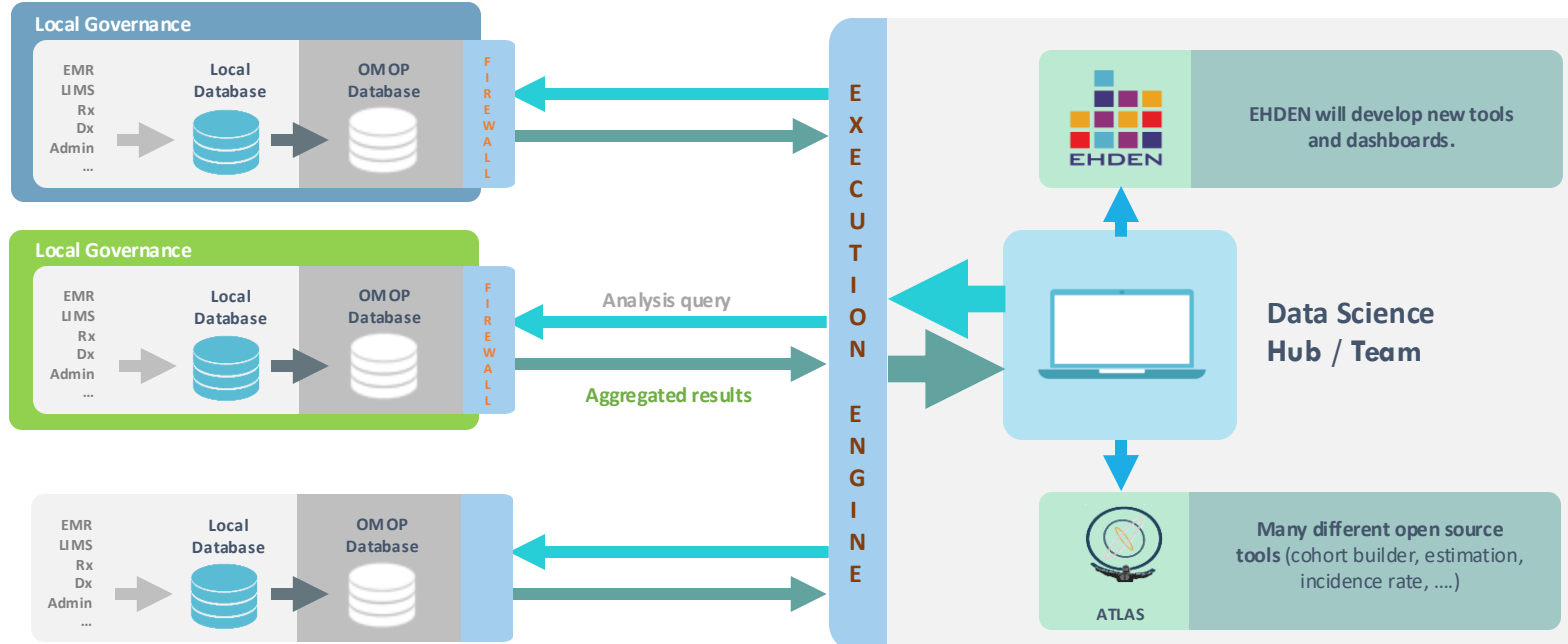
To identify clusters of individuals with long COVID based on the presence and combination of post-acute COVID-19 symptoms

# Clusters of post-acute COVID-19 symptoms: a latent class analysis across 9 databases and 7 countries



Latent class analyses on:

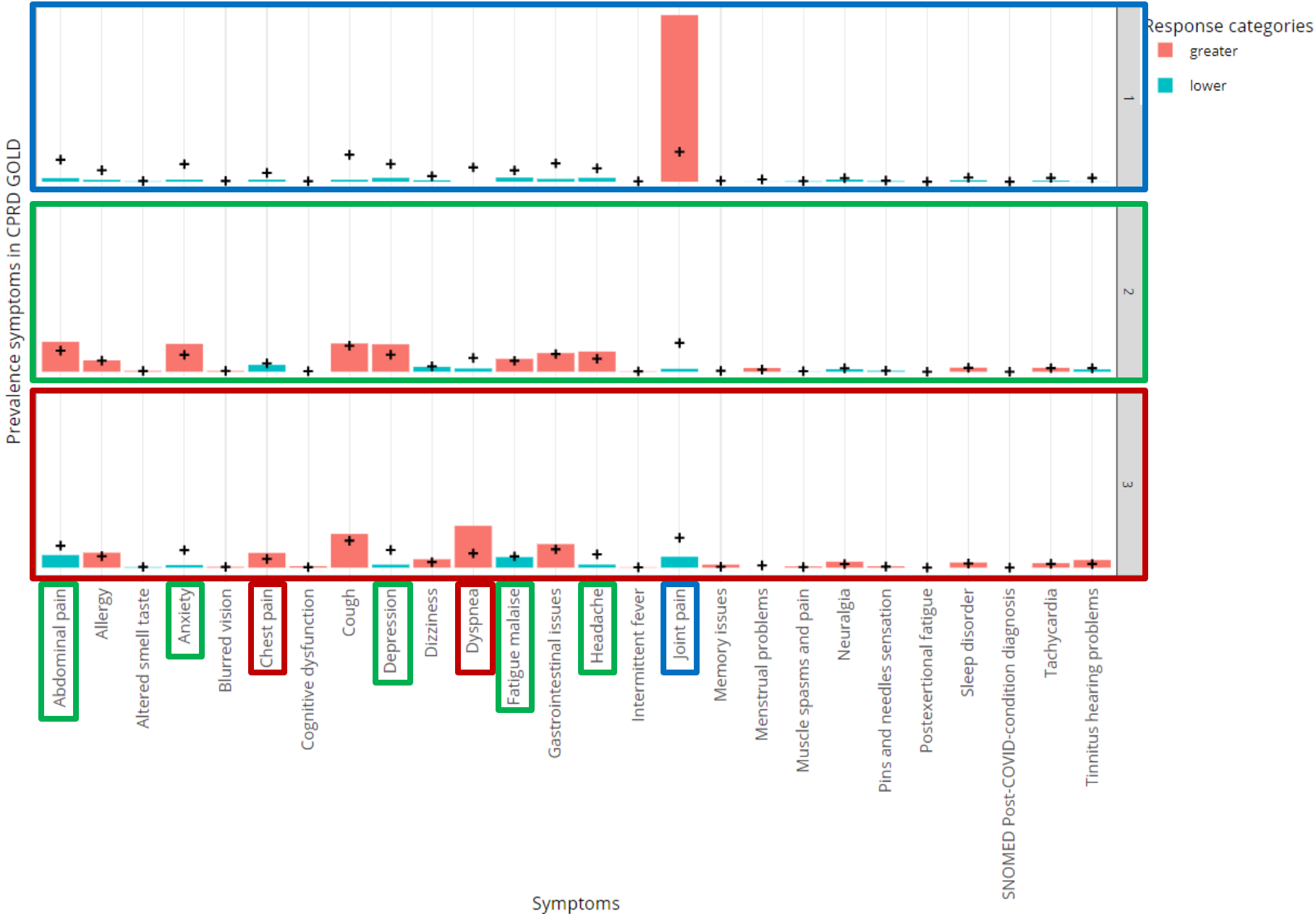
- long COVID cohort
- $\geq 2$  symptoms
- $\geq 3$  symptoms



Characterisation of final clusters:

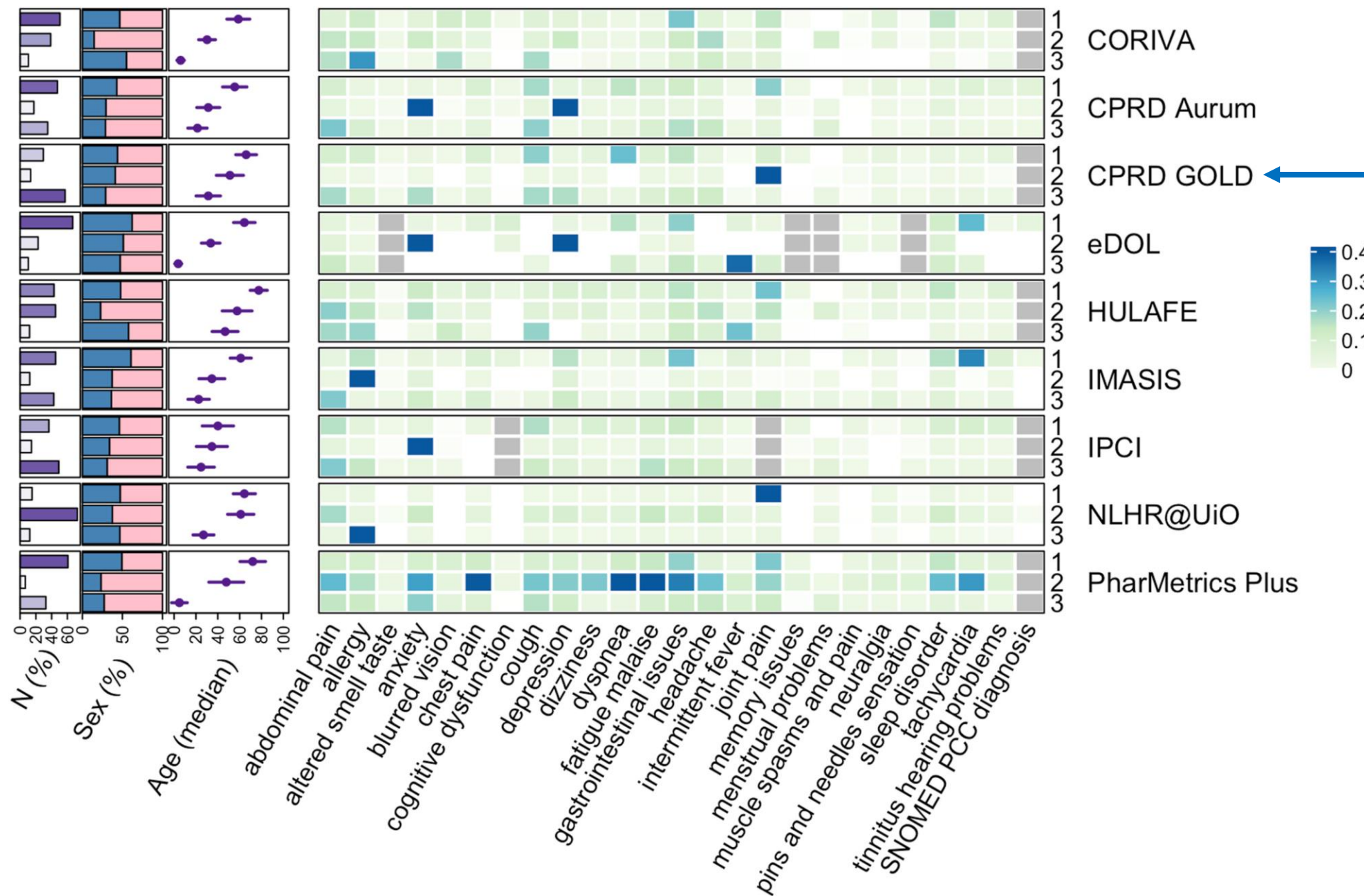
- demographics
- vaccination status
- comorbidities
- healthcare utilisation

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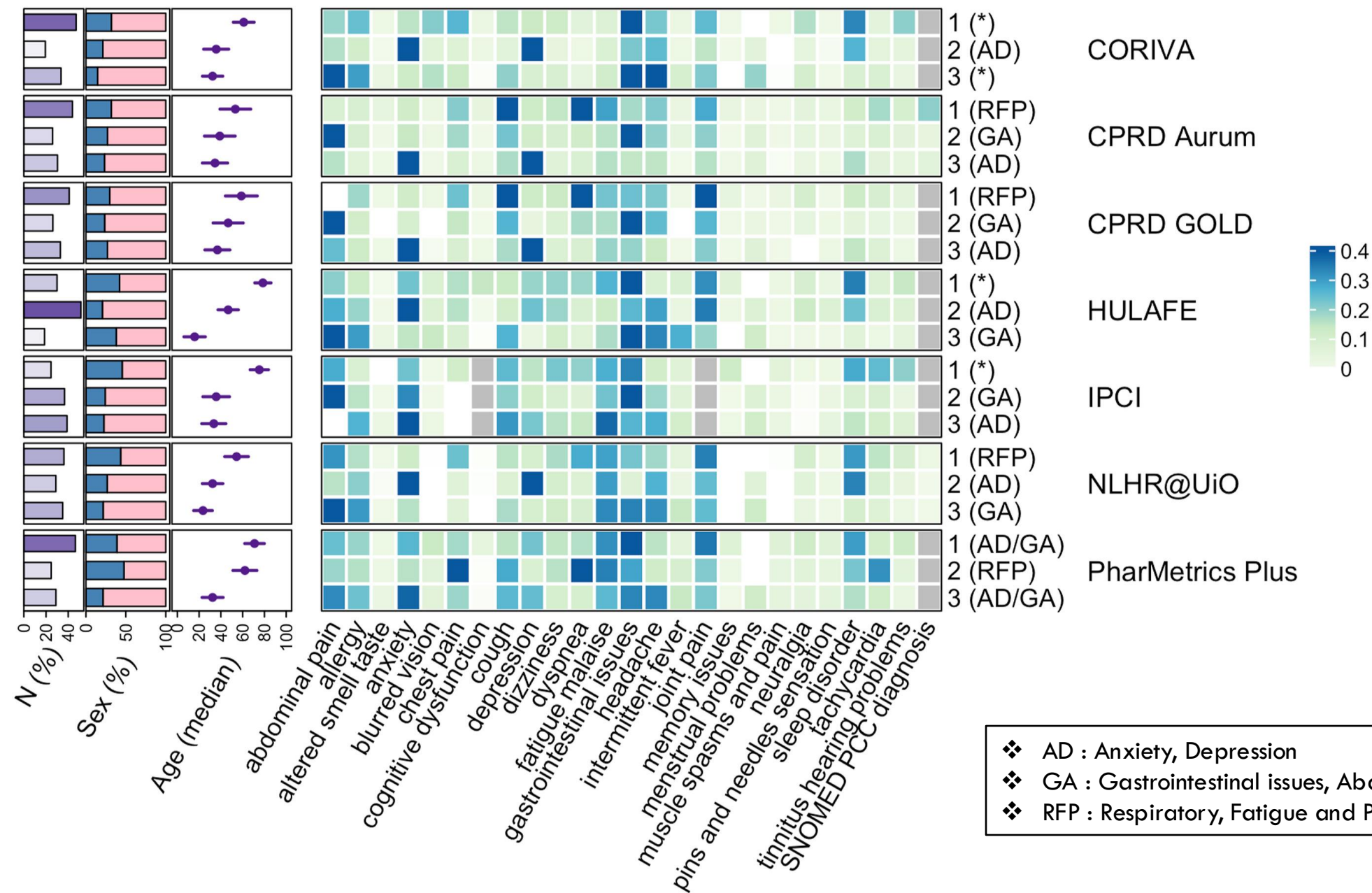




# Clusters of post-acute COVID-19 symptoms: a latent class analysis across 9 databases and 7 countries



# Clusters of post-acute COVID-19 symptoms: a latent class analysis across 9 databases and 7 countries



## TAKE HOME MESSAGES



First multinational study(-athon) on long COVID, using the WHO definition across real-world datasets.



Found broadly reproducible clusters across databases, but with some heterogeneity. Mainly GA, AD and RFP.



Some studies have clarified risk factors/subtypes, but mechanisms/therapeutics are still mostly unknown.





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