Covid-19 pandemic impacts on mental health related conditions via multi-database network: a longitudinal observational study (CERVELLO)

Carmen Olga Torre, MSc; Hao Luo, PhD; Kenneth Man, PhD; Wallis Lau, PhD; Prof. Ian CK Wong, PhD

Objectives:

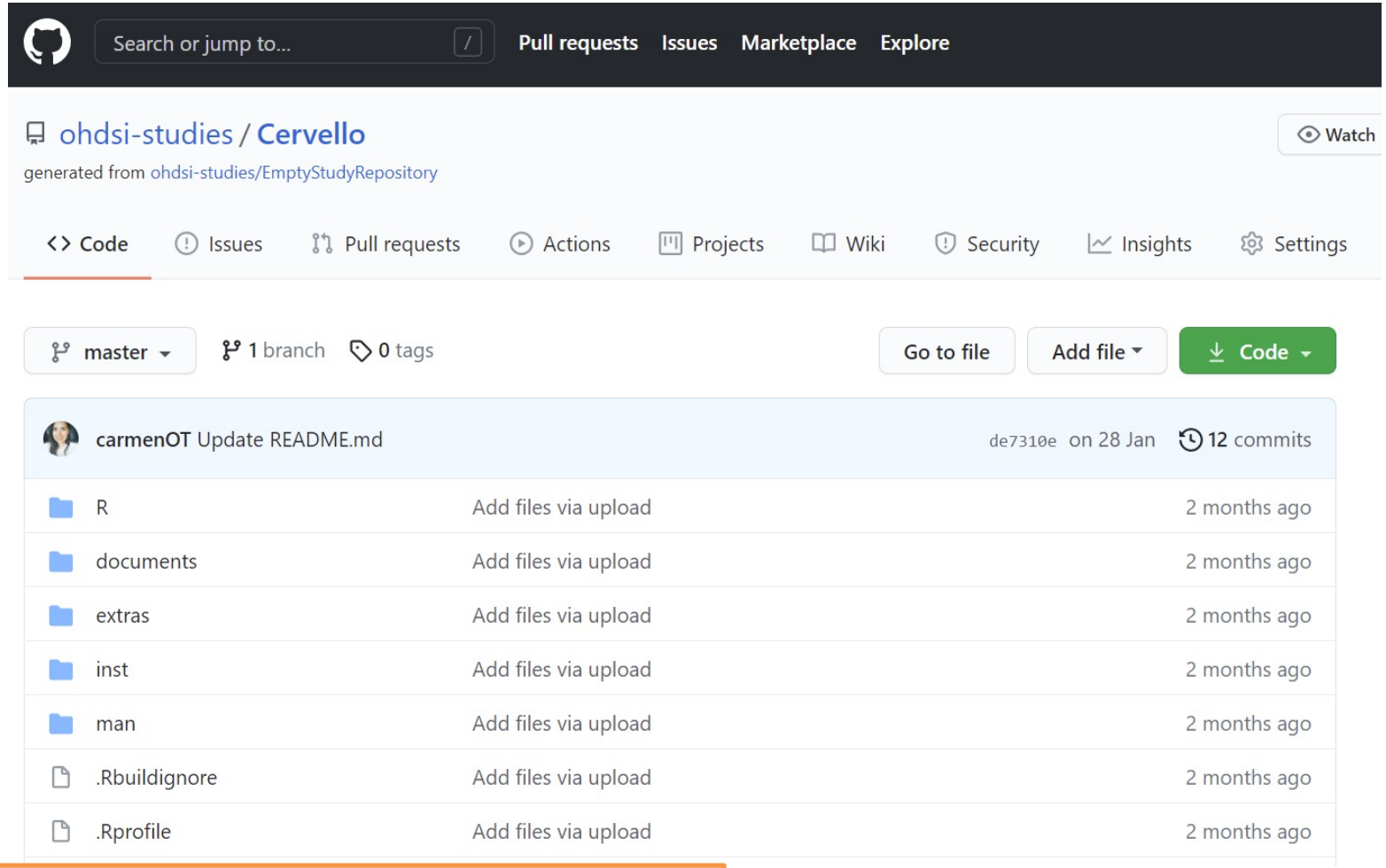
1 - Characterize individuals with mental health conditions before the COVID-19 pandemic

2 - Obtain the prevalence in use of psychotropic drug in people with existing mental health issues and neurodevelopmental disorders before and during the pandemic.

Cohorts of interest

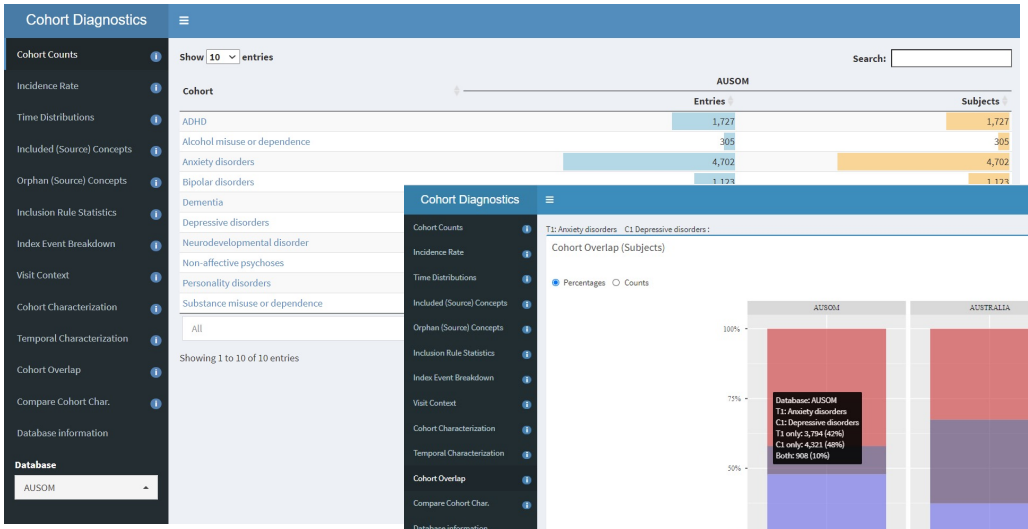
1) Anxiety disorders
2) Depression
3) Bipolar disorders
4) Non-affective psychoses
5) Personality disorders
6) Alcohol misuse or dependence
7) Substance misuse or dependence
8) Dementia
9) Attention-deficit/hyperactivity disorder (ADHD)
10) Autism and other neurodevelopmental disorders

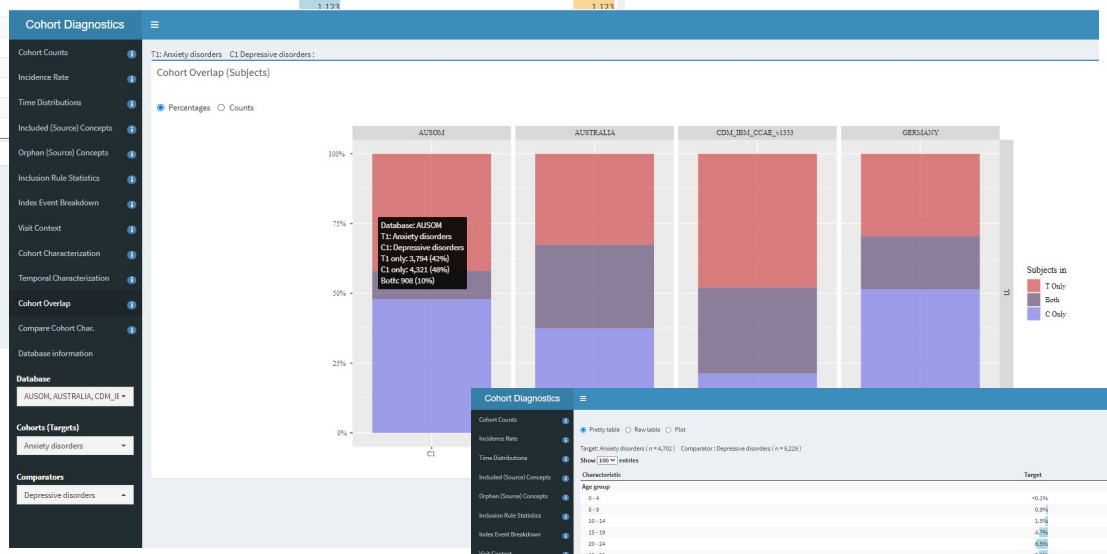
GitHub

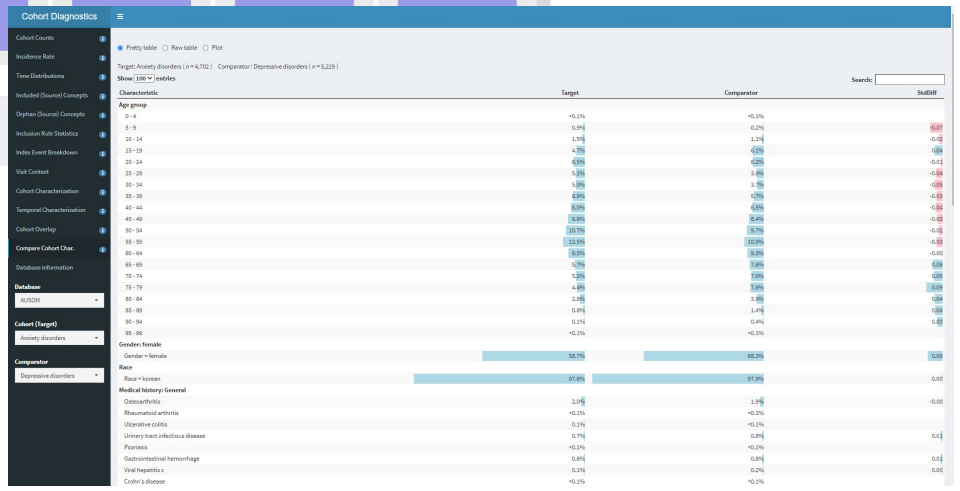


https://github.com/ohdsi-studies/Cervello

Visualization





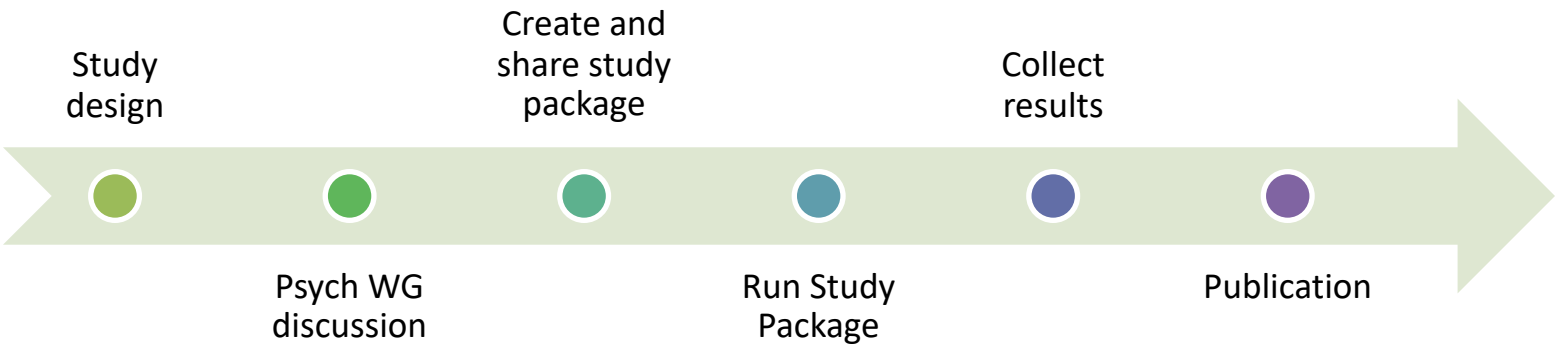


https://data.ohdsi.org/cervelloDiagnostics/

Next steps:

Obtain the prevalence of psychotropic drug in people with existing mental health issues and neurodevelopmental disorders before and during the pandemic:

- 8 types of psychotropic drugs
- Stratified by year before the pandemic
- by month during the pandemic
- stratified by age groups



Join the Journey

http://ohdsi.org