



Psychiatry Workgroup 2021

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Psychiatry Working Group 2020 Recap

1. Psychiatry Vocabulary

- a) Represent Psychiatry Scale Codes
- b) Collaborate with SNOMED to incorporate and represent Scale Codes

2. Adoption & Community Contribution

- a) AJOU, SMINDU, UHK, University de Lille, Akriya contributed to the Scale Codes
- b) Involvement with the N3C NLP group to understand patterns in the scale data extraction process

3. Network Studies

- a) External validation of model predicting Bipolar Misdiagnosed as MDD
- b) Validate machine learning model predicting newly diagnosed MDD patients within 1 year after initiation of beta-blocker for cardiovascular disease



Overall Goals for 2021

1. To address the different challenges of data harmonization across areas of Psychiatry
 2. To better understand the Vocabularies used across the specialty
 3. To decide what is necessary to move current data into the OMOP model
 4. To help each other understand and learn from experiences
 5. Collaboration and assimilation with other industry groups
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Plan to Achieve The Goals

1. Continued enhancement of the Psychiatry Vocabulary
 - Hierarchical representation of the Scale Vocabulary
 - Funding of the continues Vocabulary development efforts through grant opportunities
 2. Exploration and adoption of the Rdocs Framework
 - RDoc is a widely used framework for connecting neurological and genetic causes of disease
 - It would be useful to have a hierarchy that either adopting or relating to it in some way
 3. Continued participation in Network Studies
 - OHDSI/UHK/IQVIA study to access the impacts of COVID-19 on people with mental health conditions
 4. Exploration of N3C NLP efforts to extract Psychiatry Codes from unstructured data sources
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