BACKGROUND
The Hospital Universitario 12 de Octubre and Madrid Primary Care i2b2 repository contains information of 2.800.000 patients and integrates diagnoses, procedures, clinical findings, laboratory tests, medications and histopathology data. In addition, all data contained is encoded in different terminology and classification standards depending on the type of clinical concept.

METHODS
For the EHDEN First Call, the i2b2 repository of the H12O has been transformed to the OMOP Common Data Model (CDM) version 5.3.1. This project has been developed in collaboration with the SME VeraTech for Health 12.

This process was made with the support of OHDSI tools: White Rabbit and Rabbit-In-A-Hat for the ETL design, ATHENA and Usagi for the vocabulary correspondence and Achilles and DQD for quality assurance of data and ETL.

RESULTS
The main result of the work developed is an OMOP database from an i2b2 instance. In addition, both WebAPI and RStudio have been installed. RStudio is connected to the OMOP database, so studies can be executed in an easy way.

DISCUSSION AND CONCLUSIONS
During the development of the OMOP instance, some delays occurred, mainly due to the amount of data contained in the i2b2 repository, which caused some processes to require more execution time. For example, it took 12 days to run the DQD, as the Measurement table contains about 1 billion results.

Fort the time being, manual updating of the data is contemplated. However, with the H12O INFOBANCO Project, INFOBANCO project aims to develop a regional data network architecture for combining information generated by different sources in order to provide tools for governance, collection, transformation, interrogation, visualization and analysis of data for the obtaining knowledge and support for decision making.

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