During a collaboration between Fraunhofer MEVIS and Erasmus MC, we transformed fictional claims data from two different HDL formats into the OMOP CDM.

**Background:** The German Health Data Lab (HDL) is going to maintain pseudonymized claims data of approximately 90% of German citizens insured within the statutory health system, once it is operational. After a successful application at the HDL, researchers can access secure processing environments. To investigate AI-readiness, the AI Sandbox is developed as a prototype and might become an additional secure processing environment in the future.

**Result:**

The AI Sandbox supports the users on implementing their AI pipeline with guidance, implemented algorithms, and lifecycle management. Having the data in the OMOP CDM enables international interoperability and the use of OHDSI tools for observational studies.

**Method:**

During a collaboration between Fraunhofer MEVIS and Erasmus MC, we transformed fictional claims data from two different HDL formats into the OMOP CDM.

**Limitation:**

- Missing required fields due to data scope and synthetization/pseudonymization
  - Assumptions are made and transparently documented
- Some source information cannot be mapped directly to the OMOP CDM
  - Use of observation table and custom concepts to keep information
  - Some information was dropped (e.g., type of payment, teeth position)
- Mapping of German pharmacy product catalog (PZN) is missing due to licensing

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