Initially **1 project** to now **6 projects**
with OMOP CDM as infrastructure base

**BACKGROUND**
Technische Universität Dresden is the competence centre for OMOP in the MIRACUM consortia (German Medical Informatics Initiative (MI-I)) and thus delivers OHDSI infrastructure + ETL jobs that allow the transfer of clinical data compliant to the FHIR based German MI-I core data set to OMOP. This poster showcases our activities that helped us become a nationally recognized expert team and presents new OMOP projects.

**METHODS**
1. **Education**: grow as team — tasks are divided into own education and knowledge sharing, workshops, OHDSI tools integration in student teaching session
2. **Asset harvesting + improvement**: Share and improve created assets to fit requirements of new projects and work on German vocabulary improvements
3. **Networking**: Founded OHDSI Germany in 2021 to collaborate nationwide
4. **Ideas factory**: Evaluation of the valuable usage of OMOP when participating in tenders to create mutual beneficial effects across our projects.

**RESULTS**
- **MIRACUM**: Patient recruitment infrastructure based on OMOP and FHIR to increase number of potential participants for clinical trials.
- **EHDEN**: Successful data partner application to revise currently available data in OMOP.
- **SATURN**: Aims to map rare disease data into OMOP for an AI platform to deliver solutions that can improve patient life.
- **CODEX**: Establishes a COVID-19 research infrastructure. OMOP infrastructure rollout and mapping of the German Corona Consensus Dataset (GECCO) is currently in progress.
- **MiHUBx**: MI-I infrastructure extension to non-university hospitals and inclusion of resident doctors based on OMOP to extend patient observation periods.
- **Hybrid-QI**: Aims to link statutory health insurance data with inpatient data in OMOP to improve existing quality indicators.

**CONCLUSION**
1. Gained experience and existing assets (infrastructure + ETL jobs) are a solid fundament + good starting point to acquire new projects
2. Continuously growing expertise — become trustable partner
3. Obstacles still exist, especially due to the national terminologies and incomplete mappings to standard vocabularies

**PROJECT DETAILS**
- **FKZ**: 01ZZ1801L
- **Institute for Medical Informatics and Biometry at Carl Gustav Carus Faculty of Medicine at Technische Universität Dresden, Germany**