The EHDEN Academy: Enabling Large-Scale Community Training

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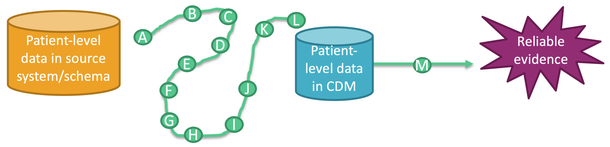
Introduction

The Observational Health Data Sciences and Informatics (OHDSI) initiative has proven its value for the generation of reliable and reproducible evidence to improve patient care. The adoption of the OMOP Common Data Model (OMOP-CDM) is expanding on a global level and is becoming a *de facto* standard for capturing health data in a standardised way.

The European Health Data and Evidence Project (EHDEN) has as aim to build an active and sustainable federated data network across Europe standardised to the OMOP-CDM. In EHDEN a large harmonization fund has been made available for data sources to be mapped to the OMOP-CDM. This process will be supported by Small to Medium Enterprises (SMEs) that will be trained and certified in the EHDEN project.



The community is growing strongly, and we have a challenge but also an obligation to train all the stakeholders. We need to assure they are trained on all the important steps in the journey from source data to reliable evidence.

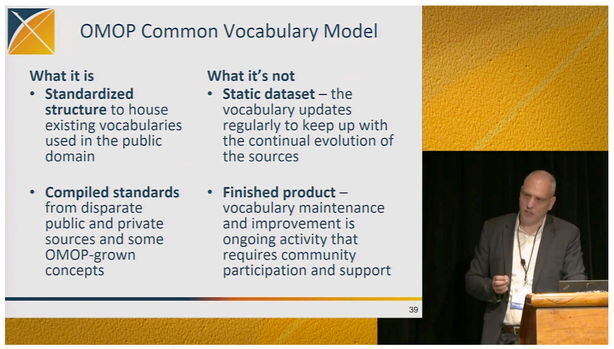
The EHDEN project is investing heavily in building up a curriculum to train our stakeholders and we would like to invite you to contribute to building this exciting training curriculum.

The EDHEN Academy

We have been working on the EHDEN Academy, an online learning platform that will allow for self-paced training and blended training by incorporating it in onsite training activities.

EHDEN Academy

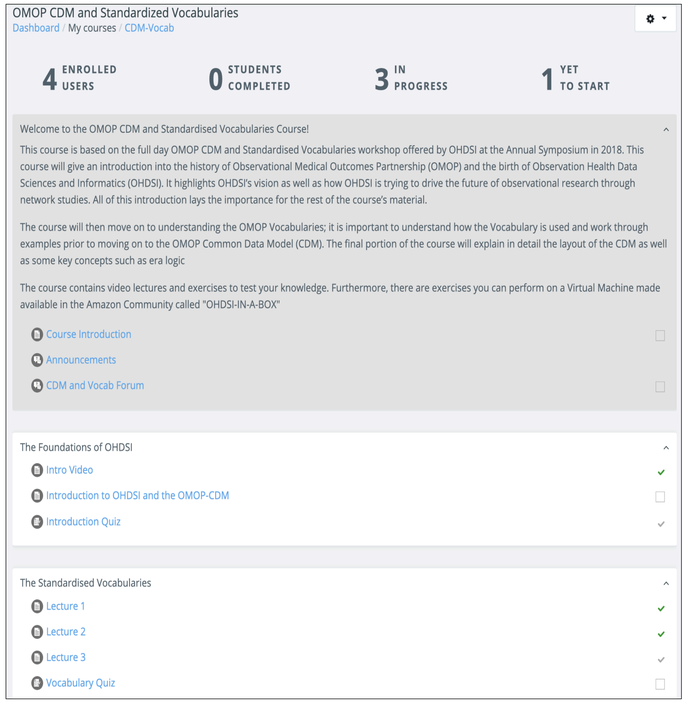
The EHDEN Academy is implemented in the world's most popular open source learning platform called Moodle (www.moodle.com). This tool is used in many universities and companies around the world. It is a highly flexible platform to create a fully customized learning environment.

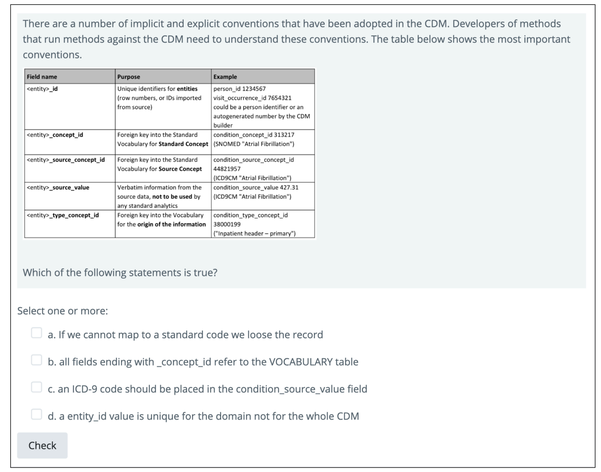


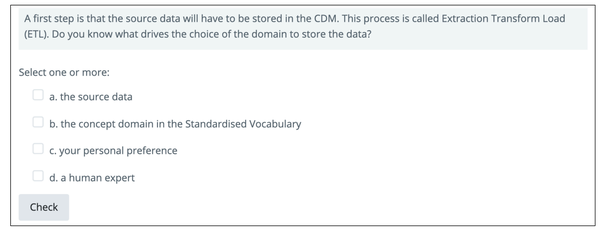
We will incorporate all the currently available training material from the OHDSI Community, such as the CDM and Standardised Vocabularies Tutorial as shown above, and we will actively collaborate with OHDSI to extend the curriculum.

We will develop questions for quizzes and tests, but also for example SQL exercises that will require access to a CDM instance in the cloud.

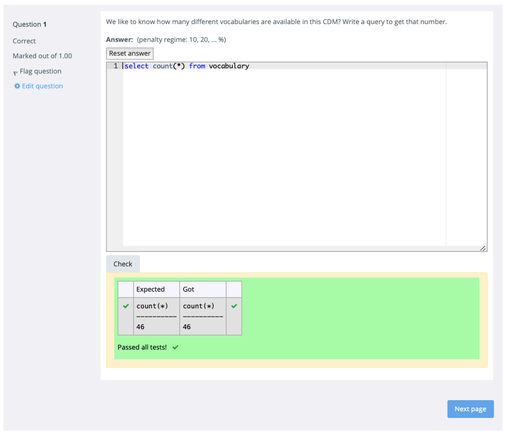
Unlimited possibilities







As shown above, each course will have a landing page that allows the trainee to keep track of the progress. A library of questions will be made to test the acquired knowledge of the trainee.



SQL Exercises against the OMOP-CDM

A powerful feature in Moodle is that we can create exercises in which the trainee is asked to write SQL queries against an actual OMOP-CDM instance. This is a fantastic approach to test the knowledge about the CDM and especially the use of the vocabularies.

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The EHDEN Academy will also include tests that will leverage the OHDSI-IN-A-BOX virtual machines that will allow trainees to spin-up a virtual environment that hosts all the OHDSI tools including a CDM with simulated data.

Conclusion

As EHDEN, we believe that the investment in building an e-learning environment for EHDEN and OHDSI is a crucial next step to enable and further stimulate the adoption of our revolutionary approach to the analysis of health data and generation of reliable evidence. In the upcoming months we will take the next major step in enabling large-scale community training. We hope you are interested and if you would like to contribute to this effort, do not hesitate to reach out to us!

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www.ehden.eu @IMI_EHDEN IMI_EHDEN github.com/EHDEN

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