

EHDEN Platform Roadmap

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INTRODUCTION

EHDEN has currently **140 Data Partners** engaged. The EHDEN platform will now allow these 140 Data Partners and other stakeholders to **participate and lead real world studies** with a focus on reliability, robustness and ease-of-use.

METHODS

The EHDEN platform is based on a set of **core principles**:

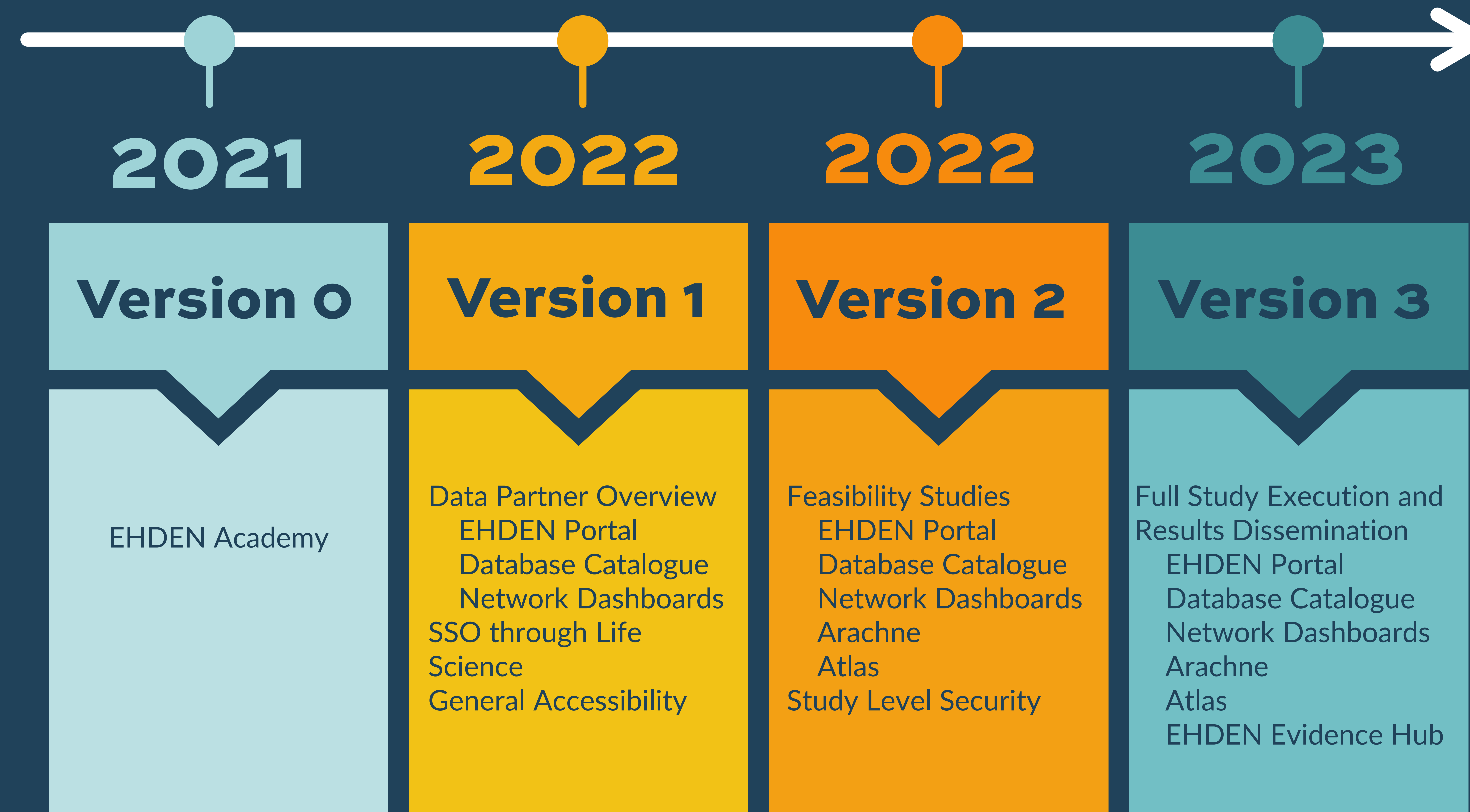
- o Maximum use of available (OHDSI) components
- o Additions will be open source as well
- o Data privacy by Design
- o Supports full study lifecycle: exploration, feasibility, execution, result collection, dissemination
- o Study results through interactive dashboards
- o Extensible Modular framework
- o Robust and integrated security management
- o Make the data FAIR

RESULTS

The EHDEN platform will consist of the following **components**:

- o The EHDEN portal (<https://portal.ehden.eu/>) as the point of entry for all EHDEN related evidence generation capabilities
- o An EHDEN network study execution platform based on ARACHNE
- o A study design component using Atlas (<https://ohdsi.org/software-tools/>)
- o The EHDEN database catalogue contains metadata on all data sources
- o The network dashboards offering summarized univariate statistics on the mapped data sources
- o EHDEN Academy for the dissemination of training content (<https://academy.ehden.eu/>)
- o The capability to share the generated evidence through the EHDEN evidence hub
- o Single Sign On through Elixir (recently transitioned to Life Science Login)

EHDEN Platform Capability Development



Version 1 (AVAILABLE NOW):

- View the metadata on 67 of EHDEN datapartners
- Navigage through the network dashboards covering > 40 Million patients / 35 databases
- Understand which databases are covering which diseases / drugs / procedures

Version 2 (anticipated availability by YE '22):

- Perform study feasibility assessments across the EHDEN network
 - Determine the size of the eligible patient population across the network for a research question
 - Understand the variables present for the cohort(s) of interest

Version 3 (anticipated availability by YE '23):

- Full study execution including sharing of results in interactive web applications

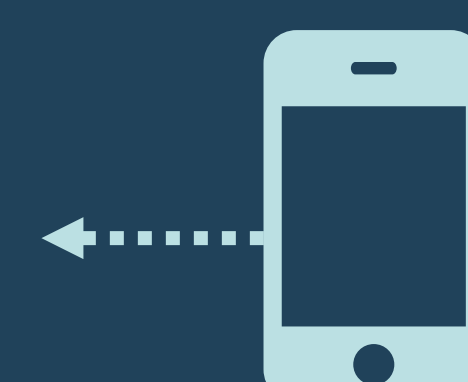
Currently Available in the Data Catalogue

- Information on **67 data partners**
- Description of the database
- Demographic coverage
- Type of database (hospital / registry / GP /...)
- Data Governance and Ethics
- Publications
- Database Dashboard (see below)

Currently Available in Network Dashboards

- Info on **35 data sources** covering **44 Million patients**
- Filters on country, database type, data source
- Gender Distribution
- Age at first Observation
- Year of Birth
- Average number of records per person per entity
- Data Provenance
- Longitudinal (observation period) coverage
- Visit Types
- Number of record counts / descendant records per OMOP Concept / database

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Scan QR for the EHDEN portal

