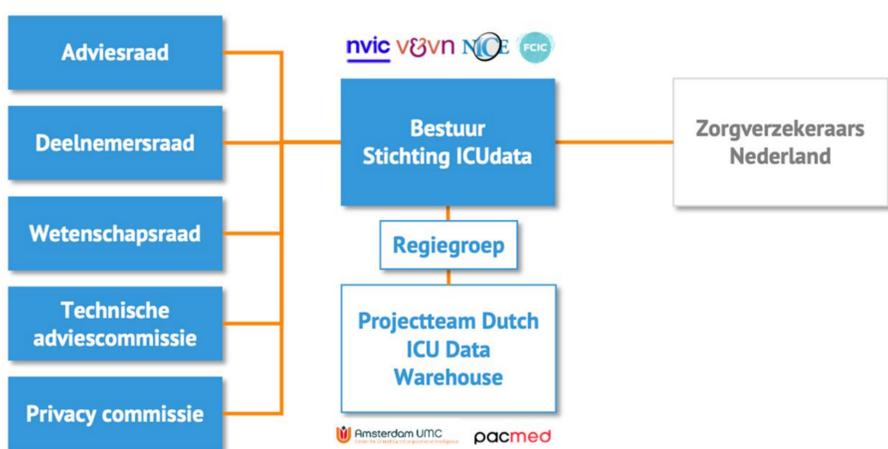


The Dutch ICU Data Warehouse: towards a standardized multicenter electronic health record database

Background: For research purposes, Intensive Care Unit professional have initiated a widespread collaboration to collect routinely stored electronic health record data of different ICUs and unifying them in the Dutch ICU Data Warehouse. The Data Warehouse will be standardized to the OMOP common data model.

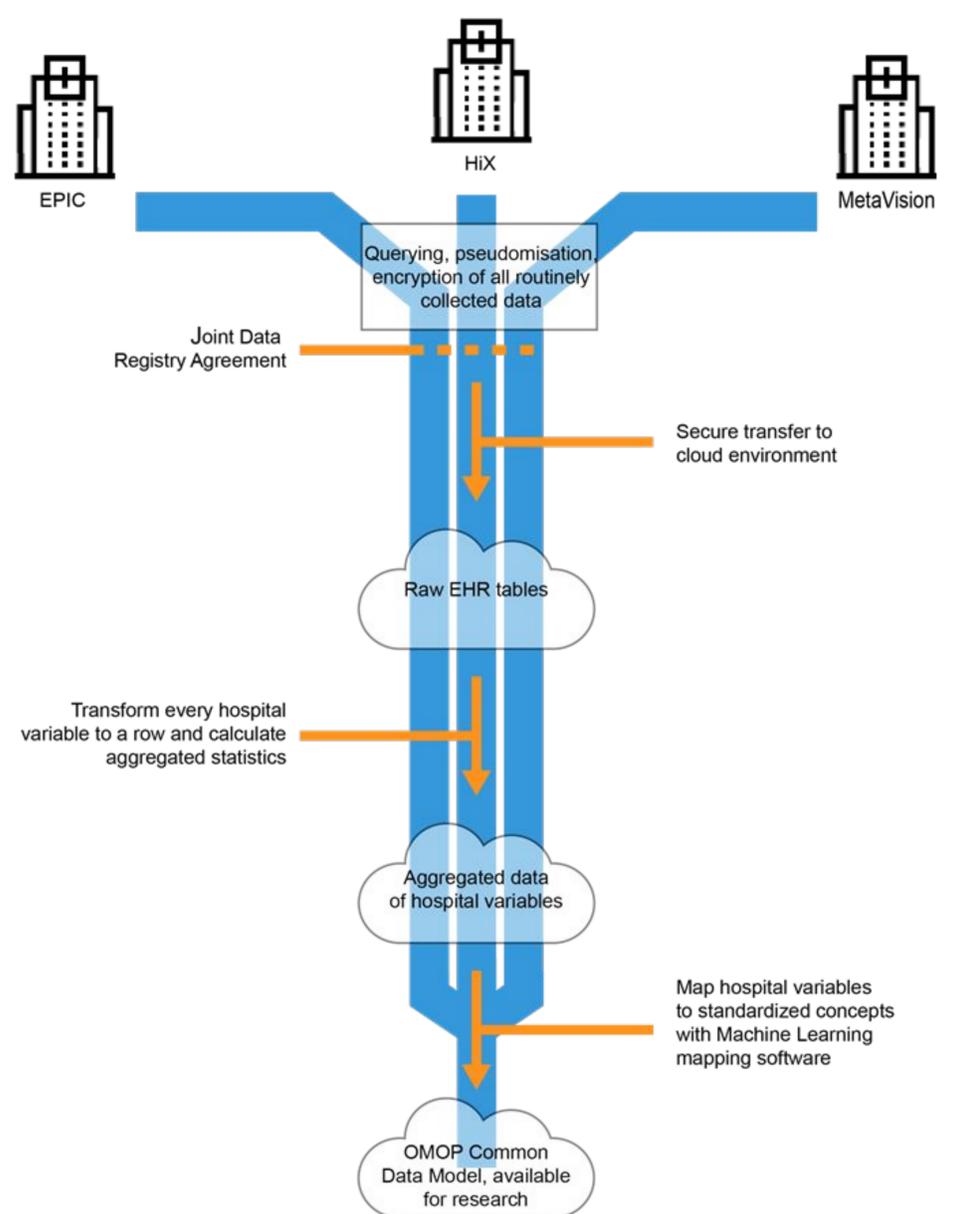
Methods



1. Organisational structure of ICUdata

Parameter	Value
p1	[16.0, 14.0, 17.00000043368087, 15.500000650521306, 16.199999739791476]
p25	13.700000390312784
p50	16
p75	18.200000607153218
p99	16.07497904577175
mean	16.07497904577175
std	16.07497904577175
Top 1	[16.0, 14.0, 17.00000043368087, 15.500000650521306, 16.199999739791476]
Top 2	
Top 3	
Uniques	
Patients	
Records	10715

3. Mapping tool for standardization of concepts



2. Technical infrastructure

Results: The ICUdata foundation was formally established in 2022. Nine hospitals have signed the data sharing agreement. The first data extraction has been successfully transferred and is ready to be mapped to standardized concepts.



Ameet Jagesar, Martijn Otten, Tariq Dam, Laurens Biesheuvel, Dagmar Ouweneel, Geert Klop, Leon Derks, Lucas Fleuren, Ronald Driessen, Patrick Thorat, Armand Girbes, Jonas Rubrech, Dave Dongelmans, Bas van Bussel, Marga Hoogendoorn, Margo van Mol, Christiaan Boerma, Paul Elbers, on behalf of the ICUdata foundation representing all participating ICUs.