

Cohort Identification

prior the search

- **Concrete** research question (PICO)
 - H0
 - H1
- Definition exclusion/inclusion criteria (age, time range, gender, diagnosis, side effects, medication, therapies...)

→ Set of **searchable** attributes

- Creating search profile

search request

- Running created search profile (e.g. 1'000)
- Adjusting search profile (add/remove attributed)
- Rerunning search profile (e.g. 800)

→ **feasible** # of patients in cohort

Cohort Validation

Validation

- **Manual** validation of patients based on inclusion/exclusion criteria
- Reasoning of inclusion/exclusion of patients (yes/no)

→ Final cohort extracted (e.g. 300)

Advanced validation

- Automated validation based on predefined classifier sets (machine learning methods)

Cohort Structuring

Structuring

- Search results **structured** in table form
 - Rows: patients
 - Column: search attributes

Statistics

- How to evaluate the search results
- #### → Statistic curriculum