ITU Workshop on Artificial Intelligence for Health Geneva, Switzerland, 25 September 2018

SKaPa

Swedish Quality Registry for Caries and Periodontal disease

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Session 3: Data Availability and Benchmarking

- Standardized formats
- Availability of data sources
- Open data sources
- Evaluation and validation
- Predictions equitable

Standardized formats

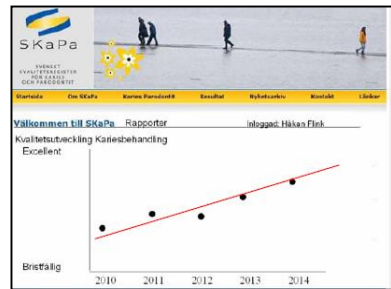| Diagnos code	Condition	Clinical measures
3044	Peri-implantitis	162, 301, 302, 303, 311, 312, 313, 314, 341, 342, 343, 362, 405, 429, 435, 436, 441, 443, 445, 480, 880, 882

Standardized formats, availability of data sources
Data and information flow

Quality improvment
Research
Follow-up, reports

Documentation in patient record system
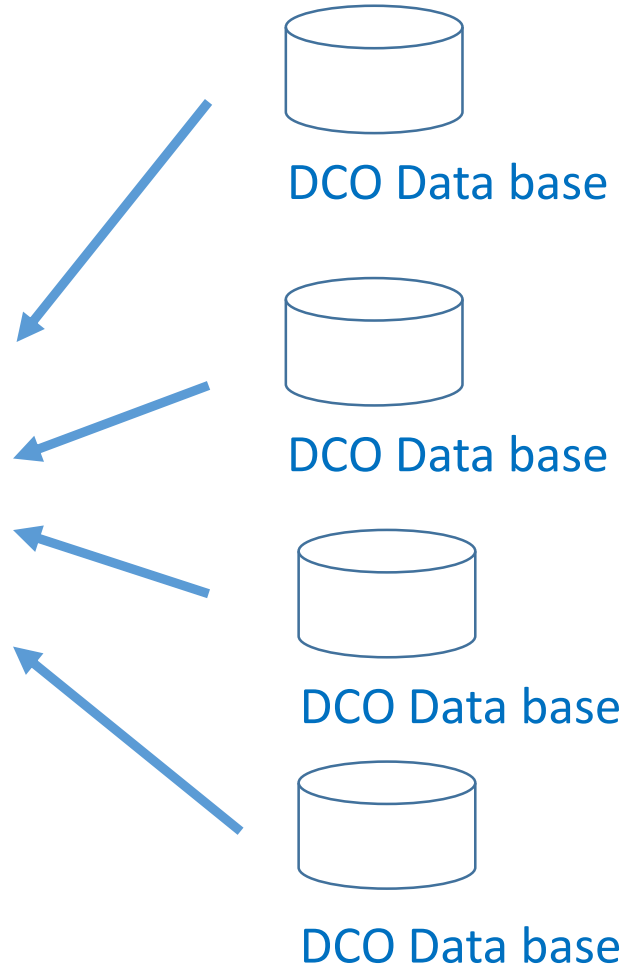
The SKaPa Concept

Compilation and analyzes

Automatic retrieval of information to SKaPa

SKaPa Data Warehouse

Availability of data sources
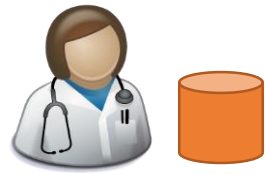

22 dental care organizations (DCO)

21 public dental care (1 200 clinics)
1 private (300 clinics)

6.5 million patients
800 million tooth-surfaces
1 000 million gingival pockets
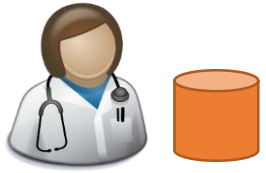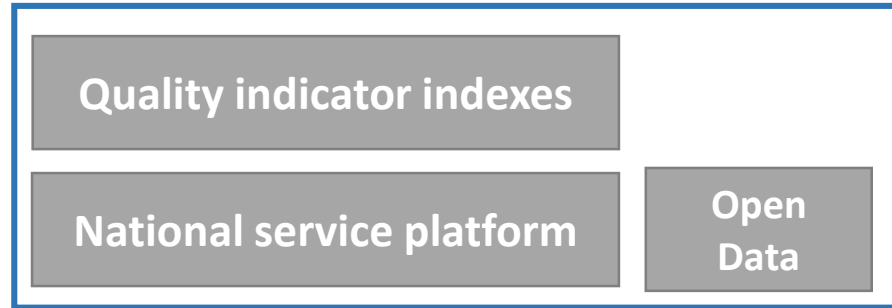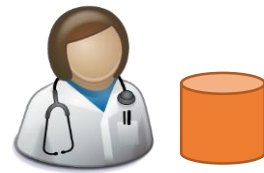
Open data sources

National Quality Registries

Authorities

Data sources in
the County Councils

Quality indicator indexes

National service platform

Open Data

Public data and reports
For management, follow-up and quality improvment

Access for innovators, patients and residents

Evaluation, prediction and validation
Number of teeth, 20 yrs and older
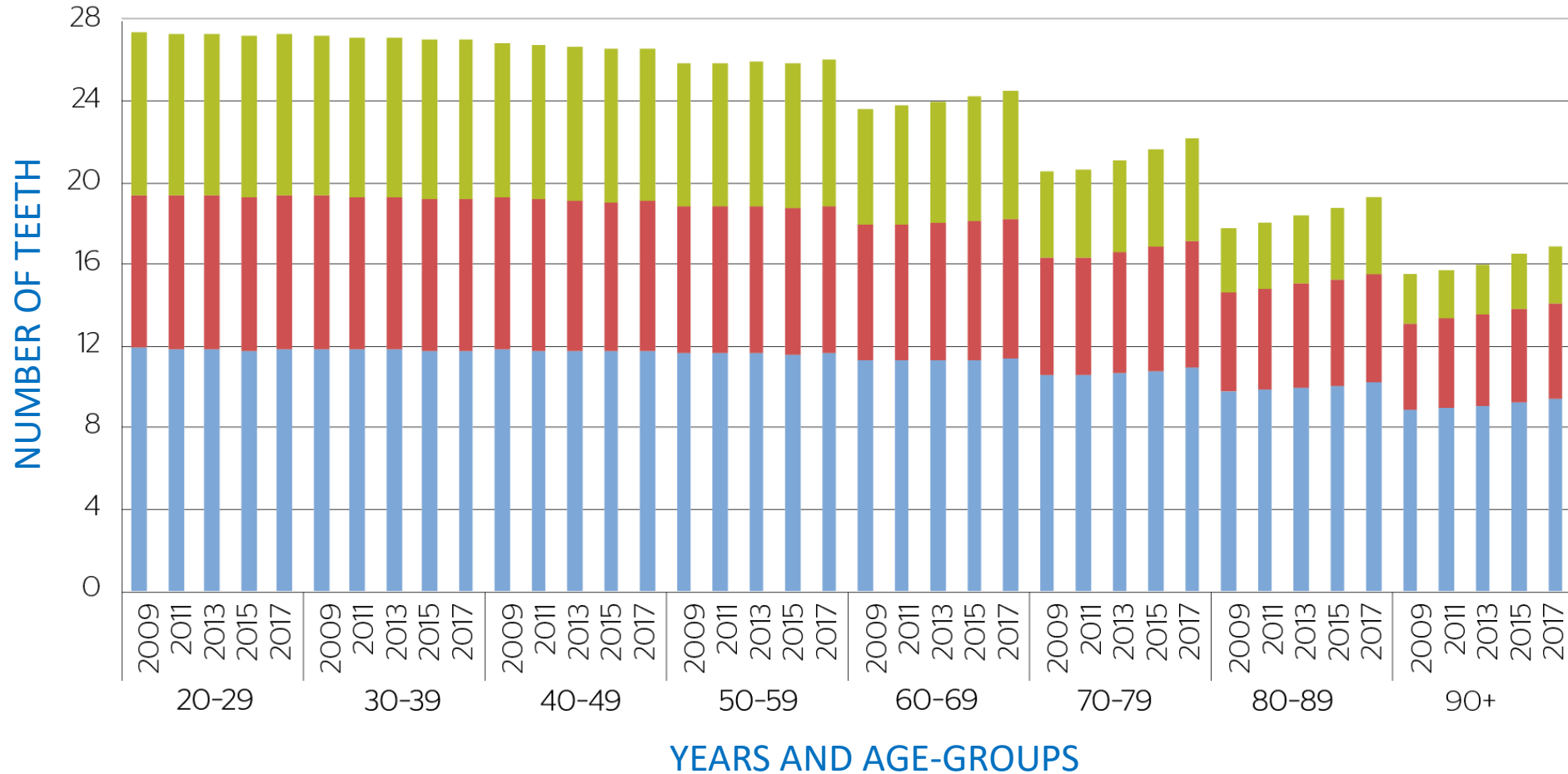
Conclusion:

- Standardized formats – standardized information
- Availability of data sources – crusial
- Open data sources – at present under discussion
- Evaluation and validation - regular validation
- Predictions equitable – possible to make

Thank you very much for your attention!