

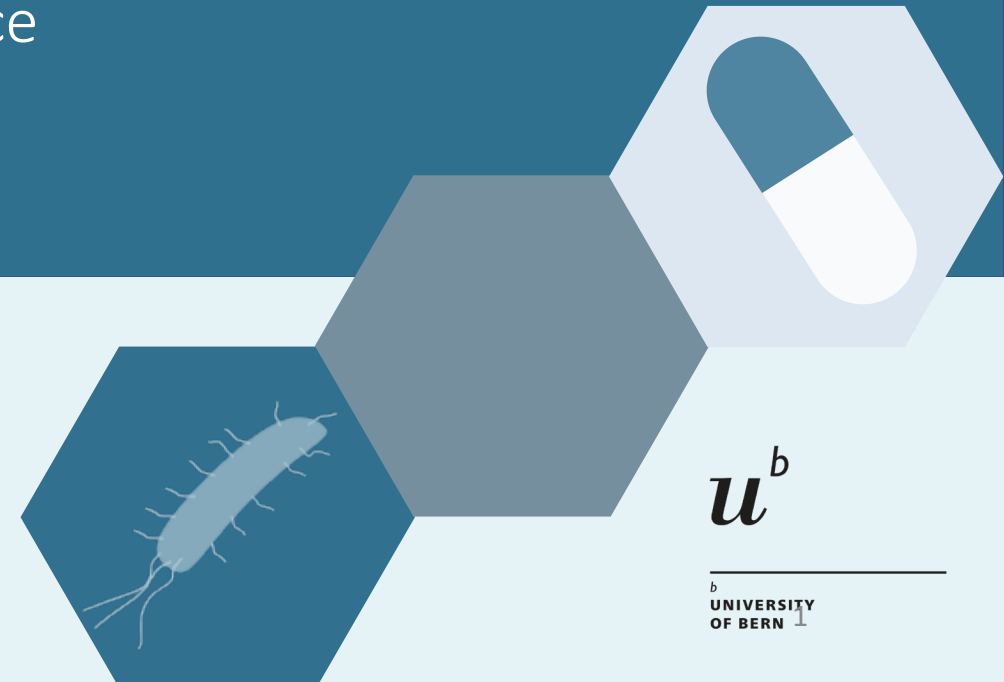
Empowering Responsible Antibiotic Use in Switzerland with ANRESIS Tools

Workshop, JFSPH, 29.11.2023

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UNIVERSITY
OF BERN

- **ANRESIS, the Swiss Centre for Antibiotic Resistance** is a nationwide, representative **surveillance** system **and research** instrument for antibiotic resistance and consumption
- ANRESIS is **mandated** by the **Swiss Federal Office of Public Health (FOPH)**
- ANRESIS is hosted by the Institute for Infectious Diseases (IFIK) of the **University of Bern** and is financially **supported by the FOPH and the IFIK**

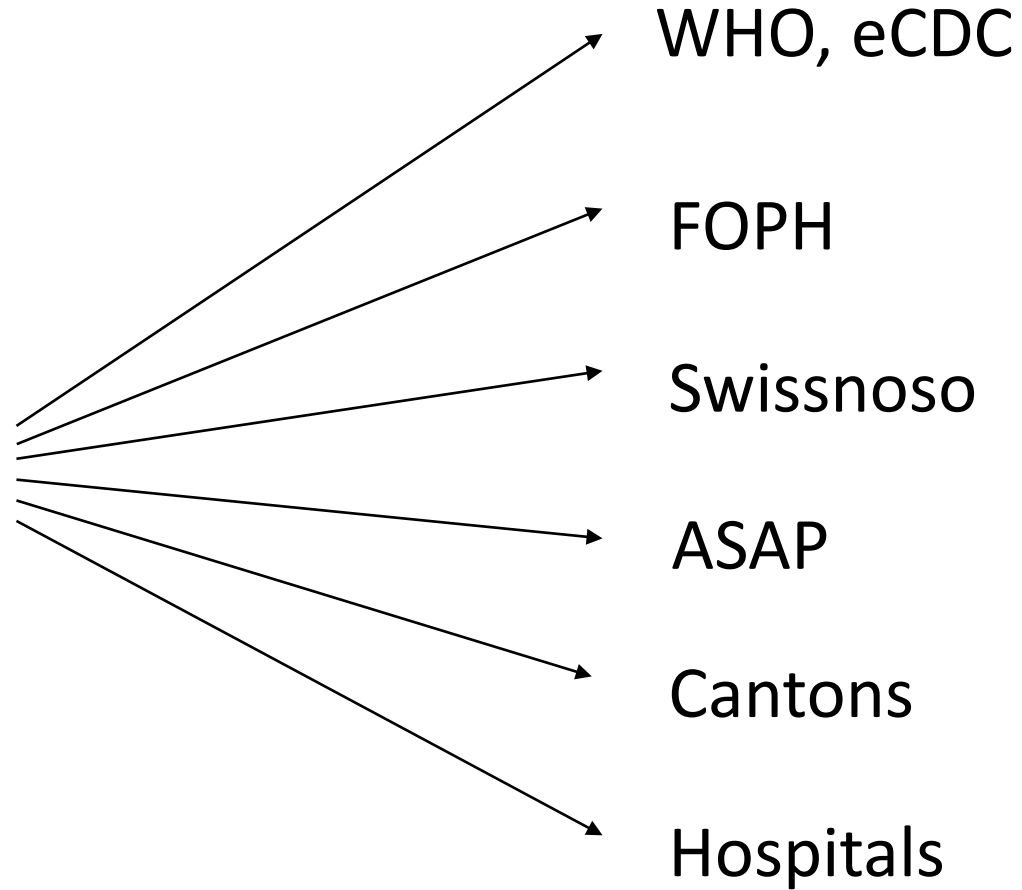


Resistance

Data from laboratories
in human and animal
medicine

Consumption and Use

Data from hospitals,
pharmacies, health
insurances, Sentinella,
IQVIA™



Visit guide.anresis.ch



- Matrix of microorganism-antibiotic combinations showing **susceptibility rates** on national or regional level issued from 35 laboratories
- **Quantitative resistance** distributions (MIC, DD)
- Includes **national prescribing guidelines** suggesting first- and second-line treatments

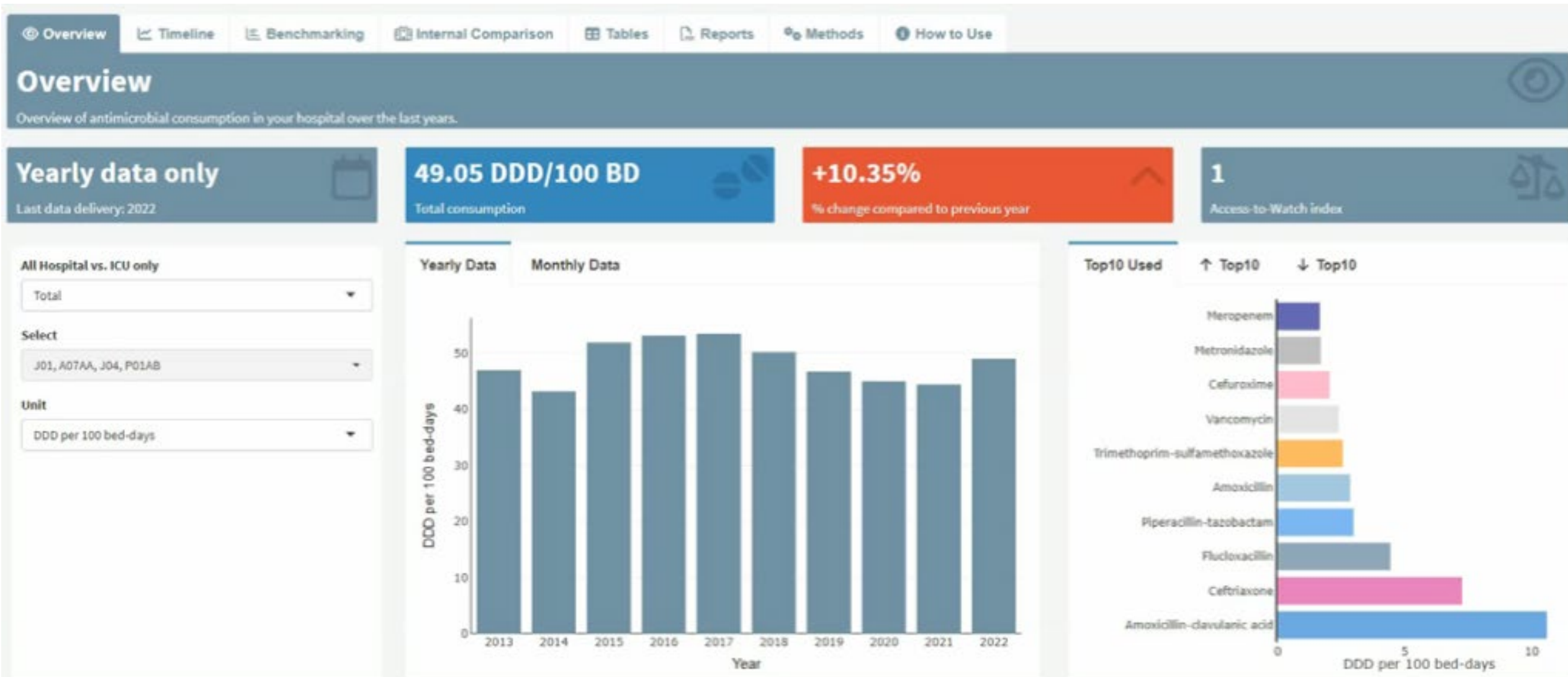


The ANRESIS Dashboard

- Participating hospitals receive static PDF reports on their antibiotic consumption combined with **interactive** dashboard
- **Password protected**
- Numerous parameters and options stratified by AWaRe categories, broad-spectrum antibiotics, etc
- Added value : **Benchmarking**
- According to your needs : entire hospital or department, year or month
- No data interpretation
- To combine with audit and feedback



The ANRESIS Dashboard

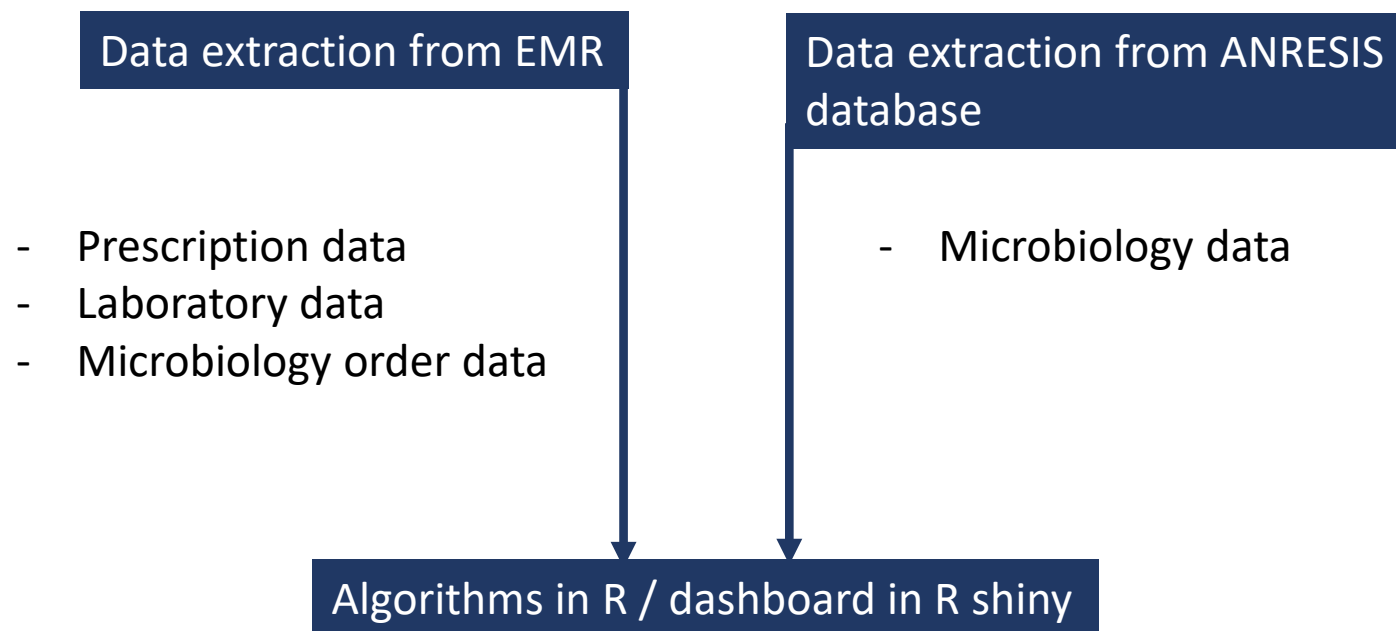


Assessing the conversion of electronic medical record data into antibiotic stewardship indicators



L Renggli ✉, C Plüss-Suard, M Gasser, B Sonderegger, A Kronenberg

Journal of Antimicrobial Chemotherapy, Volume 78, Issue 9, September 2023, Pages 2297–2305, <https://doi.org/10.1093/jac/dkad235>



Selection and initiation of therapy

Re-assessment of therapy



ABS-I:

Microbiology sample

Surgical prophylaxis

Stop antibiotic therapy within 24 hours if initial PCT < 0.25 µg/L

Step-down to oral therapy

Microbiological results

Result:

Taken before start of therapy: 51%

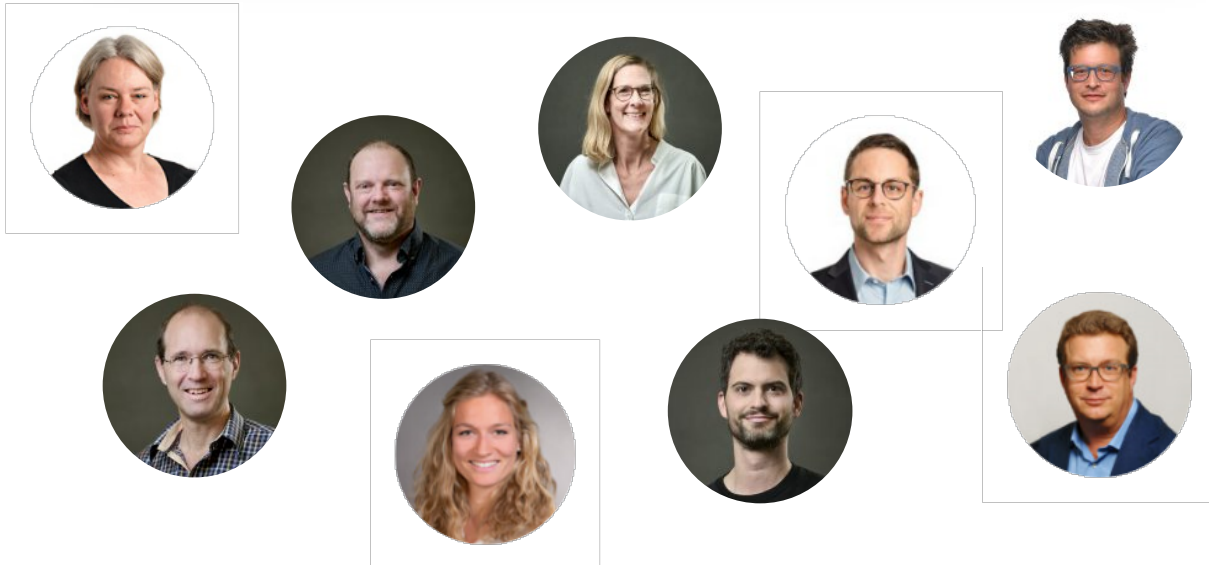
Duration < 24h: 81%

Continuation in 32%

Within 3 days: 11%

7% MSSA treated with anti-MRSA antibiotics





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