

# **European Antimicrobial Resistance Genes – Reference Laboratory Capacity (EURGen-RefLabCap)**

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Kliinilise mikrobioloogia sektsiooni seminar

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# ECDC Antimicrobial Resistance and Healthcare-Associated Infections (ARHAI)

## 4-year EURGen-RefLabCap project:

- to improve capacities of National Reference Laboratories (NRLs) in Europe:
  - detection, phenotypic and genotypic characterization of carbapenem- and colistin-resistant *Enterobacteriales* (CCRE);
  - 2 additional, healthcare-associated, antimicrobial-resistant pathogens (selected during the first year of the Project).
- to strengthen capacities for national surveillance and outbreak investigation of CCRE;
- to improve the availability and quality of European-level molecular surveillance data.



ECDC European Antimicrobial Resistance Genes Surveillance Network (EURGen-Net):

- [CCRE survey 2019:](#)
  - 10 carbapenem-non-susceptible and 10 carbapenem-susceptible isolates of the same species;
  - 6 strains of *E. coli* and *K. pneumoniae* with varying susceptibilities to carbapenems and colistin;
  - EURGen-CRAb (carbapenem-non-susceptible *A. baumannii* küsimustik).

EURGen-Net National Technical Coordinators (Marika Jürna-Ellam, Paul Naaber).

Tüvede sekveneerimist alustatud märts 2021 Centre for Genomic Pathogen Surveillance, Cambridge.

[Laboratory manual for carbapenem and colistin resistance detection and characterisation for the survey of carbapenem- and/or colistin-resistant Enterobacteriaceae – Version 2.0 \(europa.eu\)](#)

- The Technical University of Denmark (DTU Food, Denmark)
- the Statens Serum Institut (SSI, Denmark)
  
- EURGen-Net National Technical Coordinators: M. Jürna-Ellam, A. Bilozor

# European Antimicrobial Resistance Genes Surveillance Network (EURGen-Net):

ECDC is preparing to import data from the CCRE survey into the European Surveillance System (TESSy).

→ have access to TESSy and ECDC platforms such as EPIS AMR-HAI.

- Operational Contact Points (OCPs) for Microbiology - Antimicrobial-resistant isolates (AMRISO): Robert Tsanev (TA) ja A. Bilozor (ITKH)