

#### CURRENT PRACTICE

##### MASS SCREENING (ALL WOMEN)

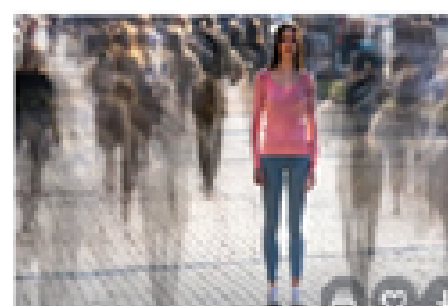


S S S S S S S S

S: Screening test  
D: Diagnostics  
T: Treatment

#### AN IDEA....

##### RISK BASED SCREENING



Age Birth 10 y 20 y 30 y 40 y 50 y 60 y 70 y 80 y 90 y 100 y

High risk women S S S SDT S S S S S  
Low risk women S S S

## Towards elimination of cervical cancer: intelligent and personalised solutions for cancer screening

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Project Partners: Oslo Universitetssykehus HF, Norway

Lithuanian University of Health Sciences, Lithuania, Rīga Stradiņš University, Latvia

SCAN ME



Opportunities for the prevention and treatment of cervical cancer have already made substantial progress. However, there persists an inequality in disease burden and prevention interventions implemented and scaled-up across the European region. Hence, the overarching approach general objective of our proposal is to use existing registry and health data to personalise cervical cancer screening for the benefit of citizens and society. Our initiative uses AI to create algorithms that can optimally deliver personalized cervical cancer screening recommendations.

The project seeks to relieve the disparities between participating countries and for women missed by mass-screening by delivering personalised screening. Our innovative proposal will transform cancer screening systems towards higher inclusiveness as well as making them increasingly flexible, scalable and sustainable.

The advancement of biomedical and digital science and technologies and the expectation of citizens, is widening the gap between the available resources and the expectations towards available health care. We will improve cancer prevention by tailoring screening recommendations to risk, leading to more effective use of resources. Innovative computational technologies enable us to employ vast amounts of health data, currently used sub-optimally, to develop and test the personalised risk-based cancer screening.