SIRIUS project - Insights from a population-wide liver disease screening program in Slovakia

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SIRIUS project: A population-wide liver disease screening program in Slovakia

WHY



Slovakia



Slovakia is the country with highest age standardised prevalence of decompensated cirrhosis1



Liver disease is the leading cause of death among 25-54-year-olds in Slovakia²

WHO

SIRIUS project³

Opportunistic screening of adults

SIRIUS Amb

SIRIUS outpatient clinics

Volunteering doctors screen stable patients from preventive check-ups

SIRIUS Com

SIRIUS community

Volunteering group travel and examine people without known liver disease

HOW

SIRIUS Amb³



HEPCalculator app for patient data input on

- Type of output Lab (FLI, FIB-4) clinic
 - MetSy
- Region
- Ethnicity
- Sex
- Age
- AUDIT-C
- Anthropometry (including WHR) analysis)
- Stool samples (microbiome

WHAT

SIRIUS Amb output

Number of HEPCALC data: 3000 (analyzed < 1000)

Liver test: 20%

Steatosis (FLI >60): 41% (20-60)

Fibrosis (FIB-4 > 3.26): 10% (0.8-11)

SIRIUS Com output (Interim results)



27 sites covered





Elevated liver enzymes: 20%; Steatosis (CAP > 250 dB/m): > 50%;



Fibrosis (TE >8 KPa): >12%

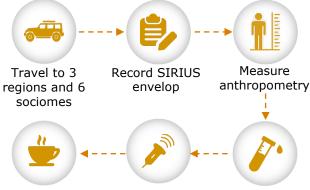


SIRIUS project provides data/power for WHO criteria of universal screening

SIRIUS project is in operation for 2 years and planned to continue



SIRIUS Com³



Coffee, picture and bye

TE and CAP

Lab work with blood and stool