

Retiring doctors will cause the next European health crisis

REACH

Feelingstream

Track 3

Data provider: Medicum

26 May 2021



FEELINGSTREAM

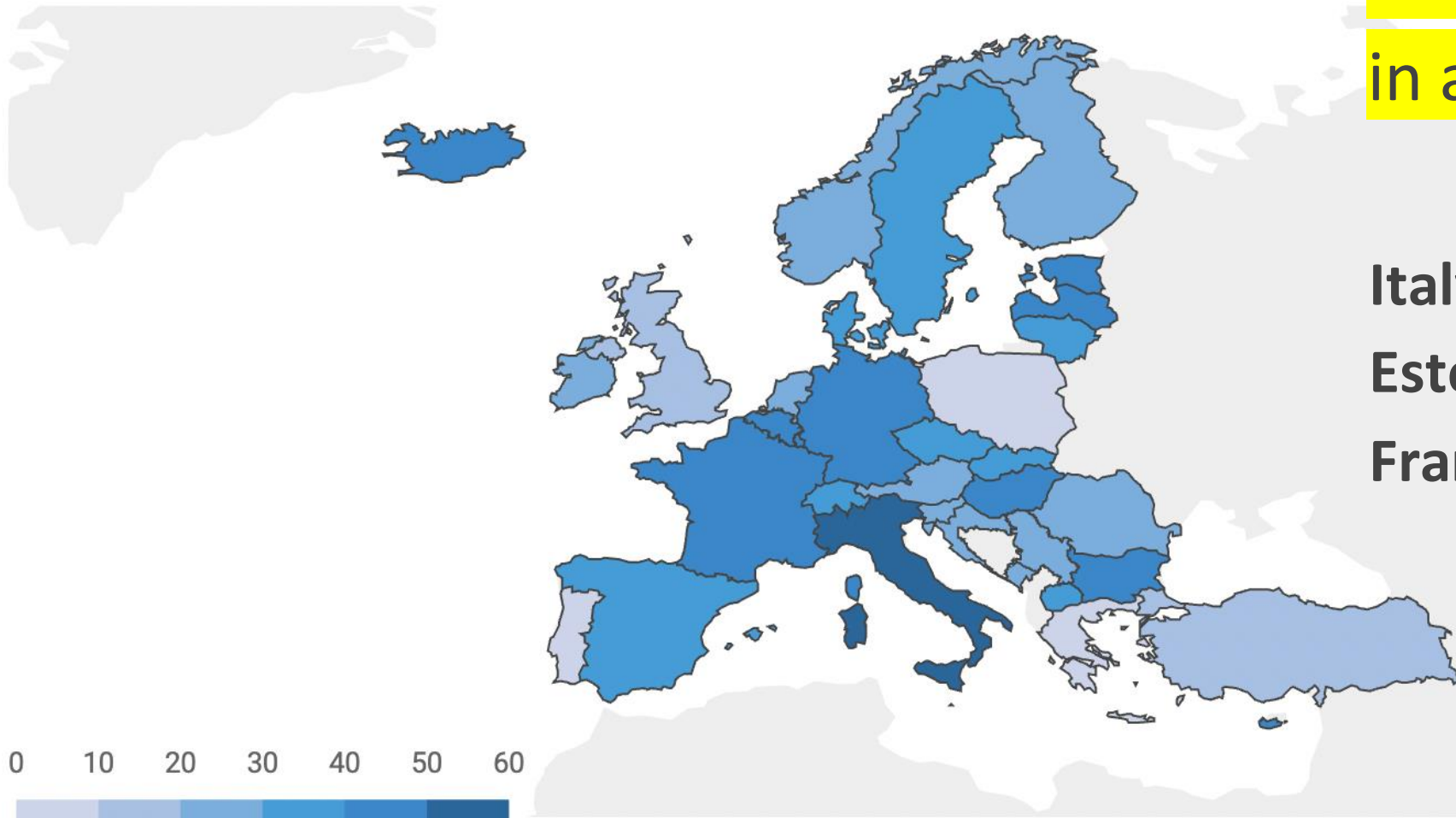
2026 -- EU Healthcare crisis

35%
of doctors
retired

Only 30%
of retiring doctors have
replaced by graduates

100 Million
EU citizens will lose an
adequate access to
healthcare

Proportion of doctors over 55 years old (2017) ▾



Some countries are
in a bigger risk.

Italy – 55%

Estonia – 48%

France – 47%



**Doctors' teams should be
empowered by AI
to serve more patients**

AI support and supervision

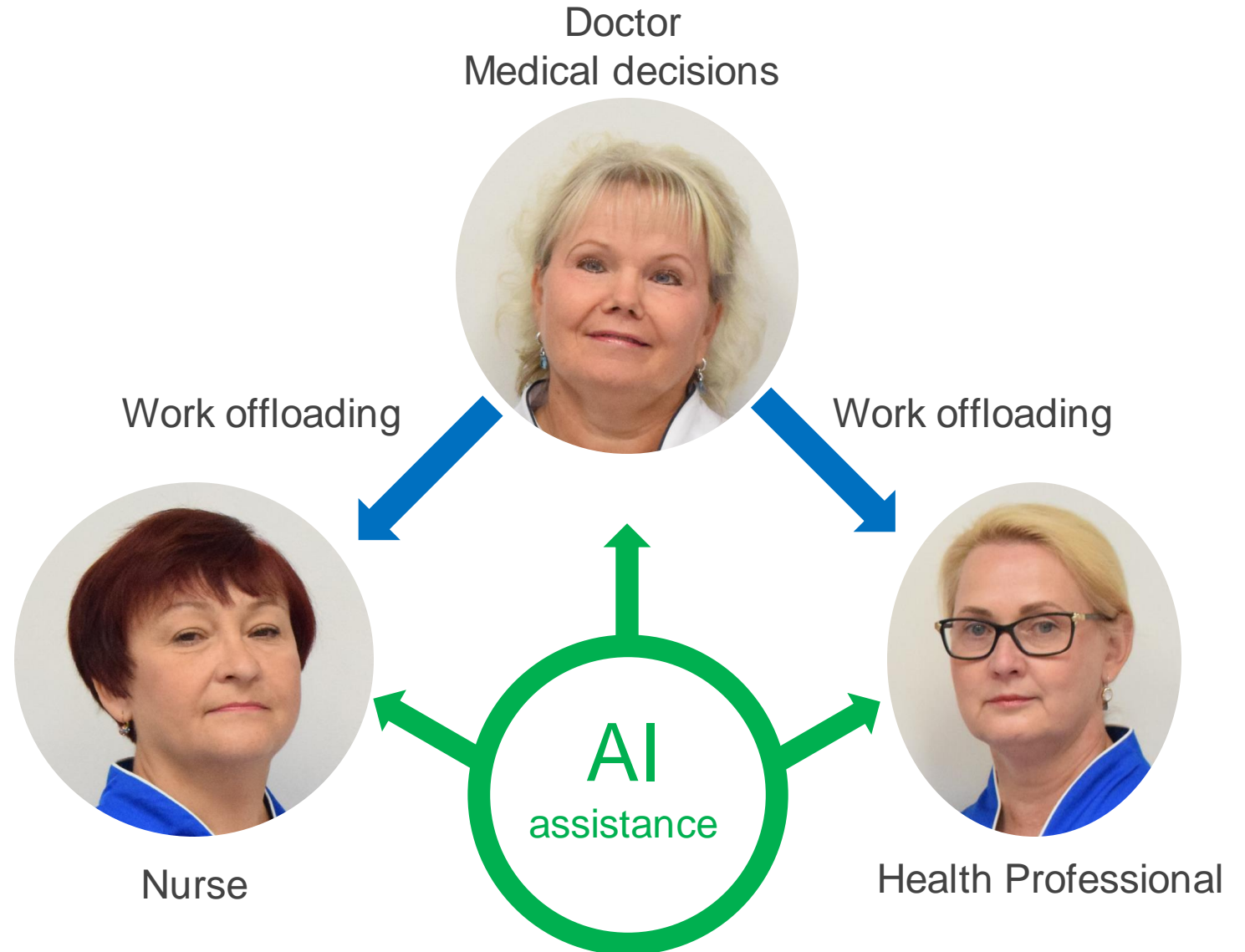
Doctor's work will offload to the Nurses

Family doctor's teamwork

We offload 30% of Doctors decisions to Nurses

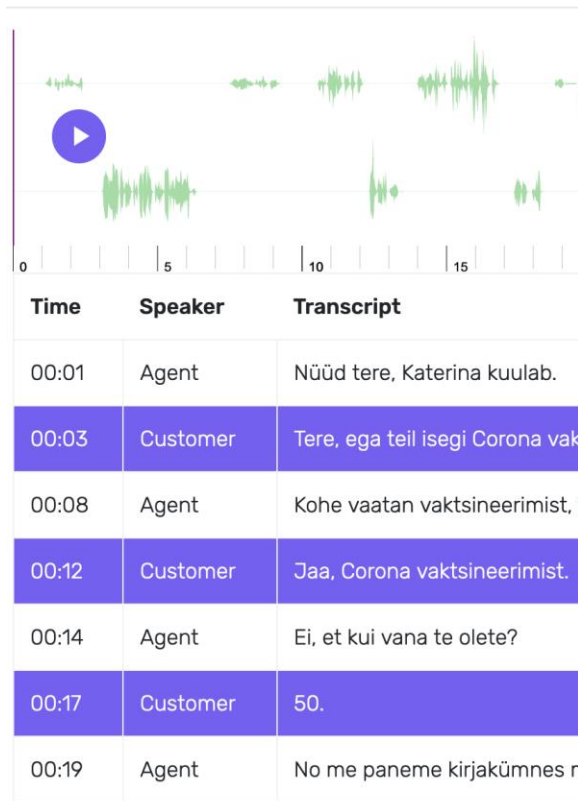
Provide the AI assistance to validate the cases Nurses can operate and validate the decisions

Provide visibility for doctors to validate Nurse's activities



Medical workflow automation

1 Speech to text



Time	Speaker	Transcript
00:01	Agent	Nüüd tere, Katerina kuulab.
00:03	Customer	Tere, ega teil isegi Corona vak
00:08	Agent	Kohe vaatan vaksineerimist, t
00:12	Customer	Jaa, Corona vaksineerimist.
00:14	Agent	Ei, et kui vana te olete?
00:17	Customer	50.
00:19	Agent	No me paneme kirjakümnes r

2 Artificial Intelligence

Classification

Symptom's discovery

Risk Scoring

Summarisation

Translation

3 Data discovery



Nurse task score: 53.2

Area: stress, ärevus

Symptoms: ärevus, stress, unehäired
mitmendat nädalat

Handled by: doctor

Epicrisis: löikas noaga näppu, mees u 30
aastane, suutis ise haava kinni siduda,
suunatud EMOsse

Epicrisis translation: male 30 years, cut into a
finger with knife, referred to EER

Action description: suunatud perearsti
vastuvõtule

AI assisted solutions will solve the shortage



Priit Eelmäe
Head of Rehabilitation Area
Medicum

Artificial Intelligence is the only solution to keep the today's access to healthcare.

Estonian Health Insurance Fund



This is very innovative and convincing solution!

The Estonian medical system can leverage this AI assisted Primary Care Doctors and Nurses to serve more patients in the future.



Rain Laane
Chairman of the Board
Estonian Health Insurance Fund

Microsoft accelerates industry cloud strategy for healthcare with the acquisition of Nuance

April 12, 2021 | Microsoft News Center



Acquisition will combine solutions and expertise to deliver new cloud and AI capabilities across healthcare and other industries



Microsoft
second
largest
investment
19,6 Billion\$

Reliable solution to be transferred from finance/telco to a medical sector

Telecom

Financial sector

Logistics

Public service

Healthcare



Nordea



REPUBLIC OF ESTONIA
TAX AND CUSTOMS BOARD



Estonian
Health Insurance
Fund



Politsei- ja
Piirivalveamet



SEB



ERGO



A seat based pricing model

Package 1

- ✓ Speech to text
- ✓ Nurses handling score
- ✓ Medical diary memo

150 €

per seat / monthly

Package 2

- ✓ Speech to text
- ✓ Nurses handling score
- ✓ Medical diary memo
- ✓ Reporting

500 €

per seat / monthly

Package 3

- ✓ Speech to text
- ✓ Nurses handling score
- ✓ Medical diary memo
- ✓ Reporting, alerts
- ✓ Translation
- ✓ Data flow automation
- ✓ Treatment suggestions

1500 €

per seat / monthly

Uniquely balanced capable team



**Terje
Ennomäe**
(MBA, MSc)
CEO



Lauri Ilison
(PhD)
CTO



Risto Hinno
(MBA, MSc)
Data Science



**Vladislav
Šikirjavõi**
(MSc)
Development



Marve Kadastik
Development



**Sarina
Wennerqvist**
Customer Success



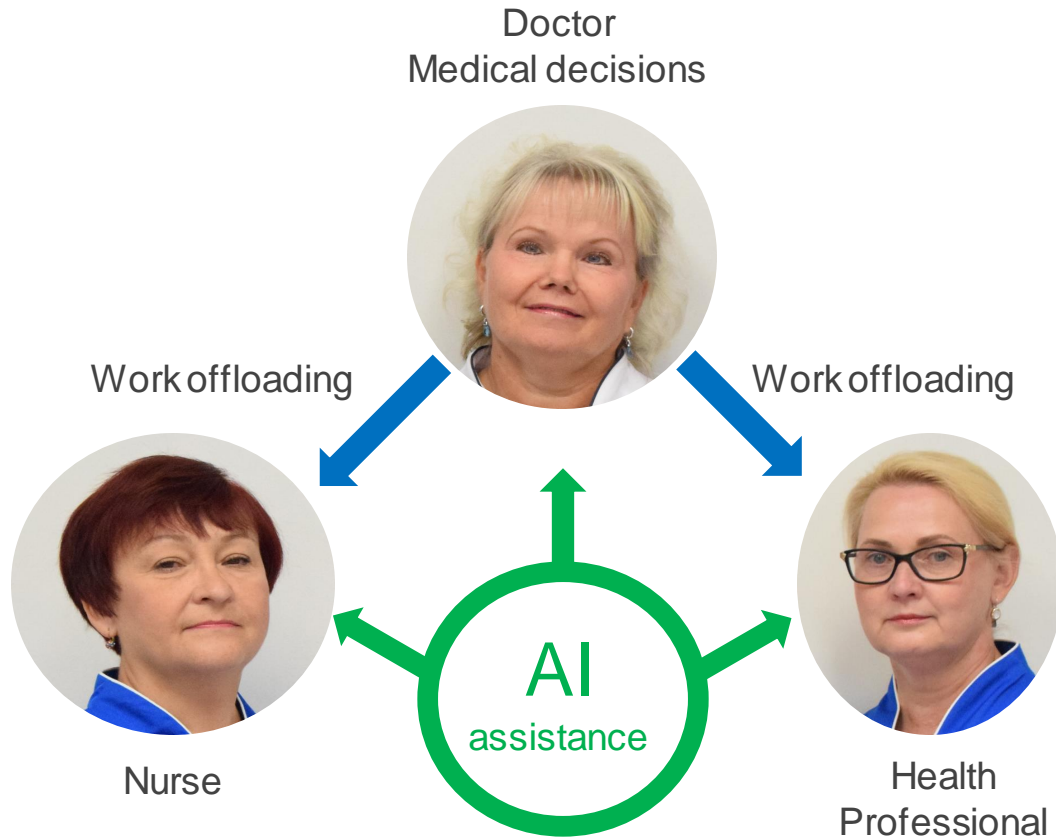
Kätriin Kukk
Data Science

Recognition





FEELINGSTREAM



Thank you!

Lauri Ilison

lauri@feelingstream.com

(+372) 5111003

feelingstream.com