

**ONERVO**

# Creating dementia-inclusive society: Innovative case examples from Finland

3rd Well Aging Society Summit Asia-Japan, 12.10.2020

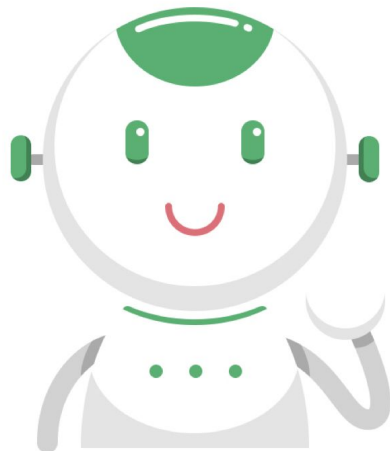
Ville Niemijärvi,  
CEO, Onerva Care



[ville@onervahoiva.fi](mailto:ville@onervahoiva.fi)



<https://www.linkedin.com/in/villeniemi.jarvi/>



# ONERVO

## Ville Niemijärvi, CEO, Onerva Care

- 17 years as management consultant in the field of AI and machine learning
- 12 years as an entrepreneur, founded 4 companies, 1 exit
- 6 years focused in agotech and eldercare



[ville@onervahoiva.fi](mailto:ville@onervahoiva.fi)



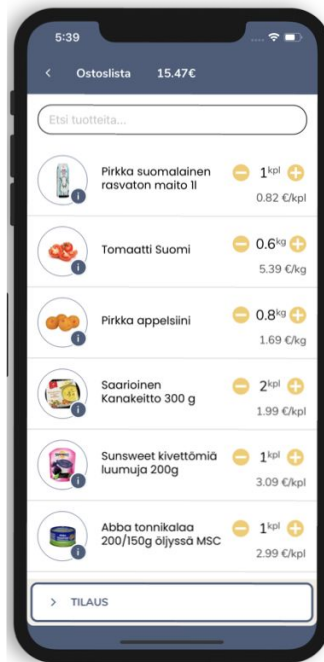
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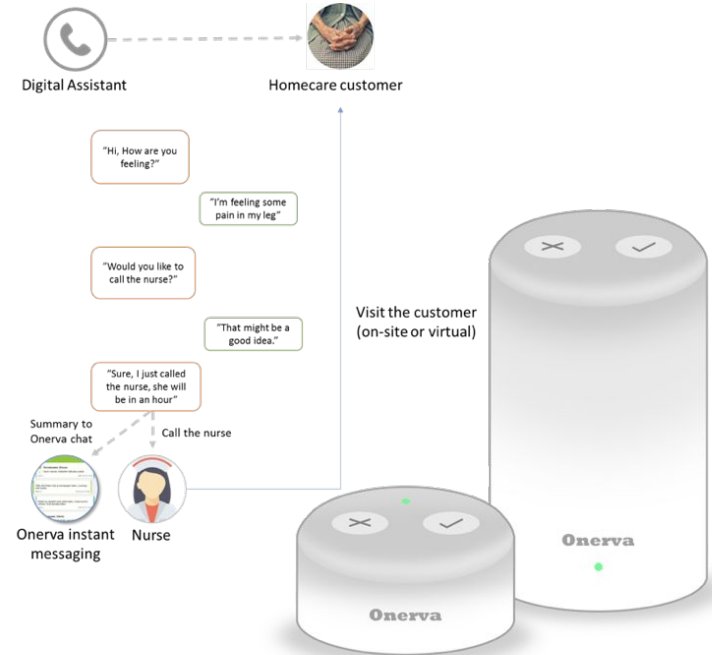
# Our services: communication and co-operation for eldercare



Instant messenger



Online grocery store for elderly



Virtual assistant i.e. conversational AI

# Characteristics and trends in Finnish eldercare



# Aging population, lack of nurses

Current amount of nurses



Need to double amount of nurses in 2025  
(not happening)



# Focus in keeping aging people at home

- Focus in homecare
- At home especially people with dementia or other disabilities, need a lot of help

→ How to make sure our aging loved one can live in their homes safely if we don't have enough nurses?

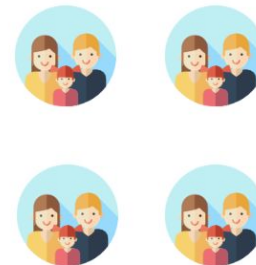
Public sector  
(main responsibility)



Private sector  
(supporting responsibility)



Aging homecare  
customer



Family members



Others:  
Personal assistants,  
non-profits, neighbours



Services:  
Banks, groceries,  
shopping, public  
services

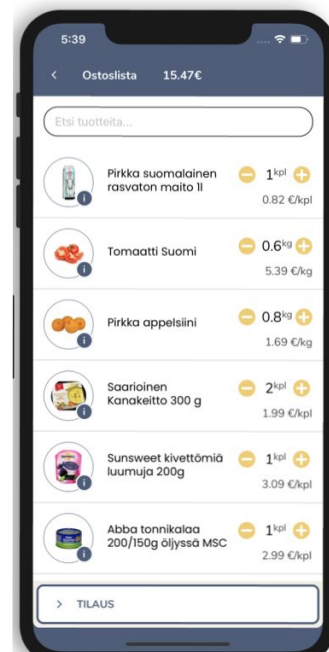
# Onerva uses technology to connect the **people** and **services** around elderly

- Onerva's secure, realtime communication
- All participants know how the customer is doing
- Easier to organize the care
- Easy direct access to relevant services from the app
  - a. Online grocery store
  - b. Additional health services

## ONERVA



Instant messenger



Online grocery store

# **Innovative technologies from Finland to help elderly**



# Example of innovative technologies from Finland

NAVIGIL

Safety wristwatch



evondos®



Medicine dispensing robots

9Solutions  
Helping to care



Wrist alarms, care phones



Aging homecare customer

verso vision  
Smart Vision for Human Activity



Machine vision, fall detection

MariCare



Smart floors



ONERVO

Virtual assistant using  
Conversational AI



VIDEO  
VISIT

Remote care

# Evondos: robot medication dispenser

evondos®

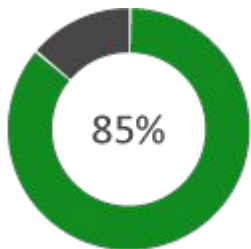
- The robot directs the client to take medicines at the right time, which is important when treating Parkinson's disease and other disorders. The service also informs care staff if a dose has not been taken for some reason.
- Suitable for **20-50%** homecare customers
- **2/3 routine** visits can be replaced → 1000 robots in care provider will save around 17 million euros in a year
- 99% clinically proved medication adherence, Nordic market leader.



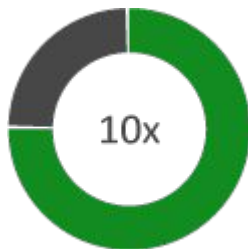
# VideoVisit: remote care visits



- Market leader in **remote care** solutions
- Homecare connects the customer through video



85% more cost  
efficient than physical  
home care



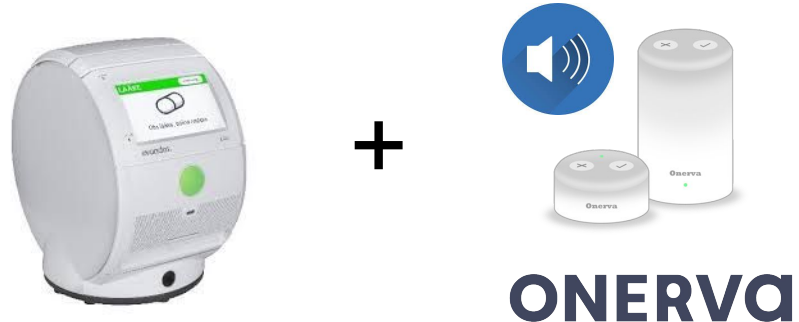
more patients treated  
per work-shift



Savings provided to  
healthcare service  
providers

# What next? From individual solutions into technology ecosystems

- Multiple projects in Finland where we integrate technology and make them communicate with each other
- Instead of standalone solution, customer gets overall solution
- More value to the aging homecare customer
- Easier to buy for the care provider



# Challenges for technology startups

- New products Time to Market might take 3-5 years, many startups run out of money
- It's easy to develop technology, much harder to change the work culture and processes
- *“There's no budget for this”*
  - It's easy to do pilots with municipalities but finding budget for buying is very hard
  - Many cities don't know how to buy technology and calculate the savings



**ONERVA**

# Aging population, lack of nurses

Current amount of nurses



Need to double amount of nurses in 2025  
(not happening)



# Instead: Better co-operation, better use of technology

Current amount of nurses



Family, non-profits + better use of technology



# Thank you!



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+358 50 326 4989 /  
ville@onervahoiva.fi /  
Ville Niemijärvi



<https://www.linkedin.com/in/villeniemijarvi/>

