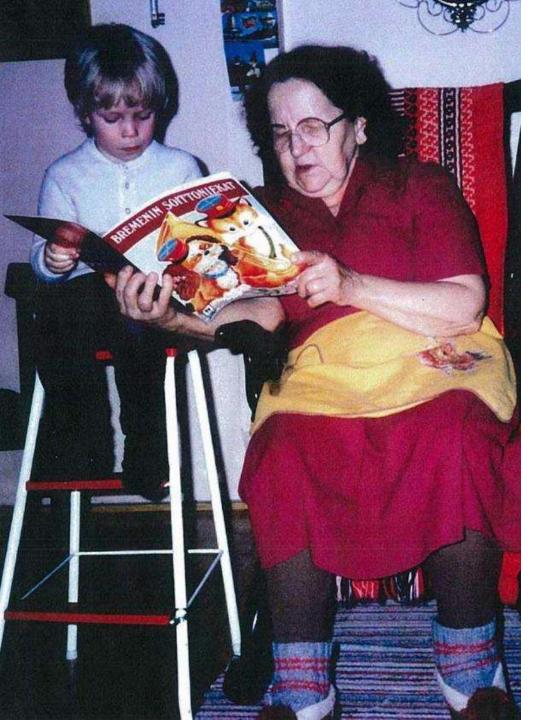


## evondos

The leading Nordic Automated medicine dispenser (AMD)



## Grandma wanted to talk to someone

"During my childhood, I first encountered the problems of home pharmacotherapy. When visiting my granny, I remember the nurse coming over to refill granny's red pill organizer.

My granny would always be eager to chat, but **the nurse would only** concentrate on arranging the medication – giving only the briefest of responses.

Granny deserved more attention and human interaction, but instead her nurses had to pay close attention to arranging her medication correctly. Even then, some human errors occurred occasionally.

I knew, then and there, that things needed to change."

-Mika Apell, Founder of Evondos

## evondos

Established 2008

Turnover 2022 22 M EUR Turnover growth
2018 +101%
2019 +75%
2020 +60%
2021 +52%

Dispensed doses 12/22 20.000.000+

160+ employees Over 300 municipality customers

Leading Nordic automated medicine dispensing company













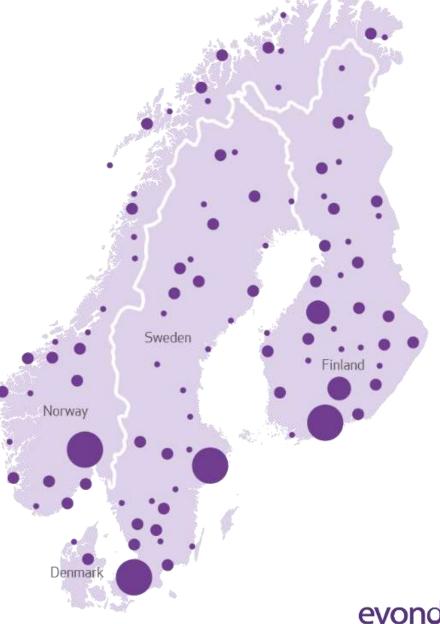


#### **Evondos in the Nordics**

- Over 300 municipalities
- 20 million correctly distributed medicine sachets (over 99% adherence)
- Equaling over 600.000 saved working days in the Nordics









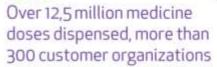








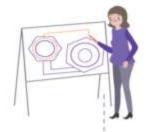
2022 Video-assisted medication functionality released to the market





Verdane joins Evondos as growth partner





2011 R&D project launched with financing from the Finnish Funding Agency for Technology and Innovation - Tekes



mark granted



2015

Subsidiaries set up in Finland, Norway, Sweden and Denmark



First extensive service deployments. Serendipity Partners becomes main owner





2012 First prototype and patent applications

2013

Clinical trials begin, opening of production facilities

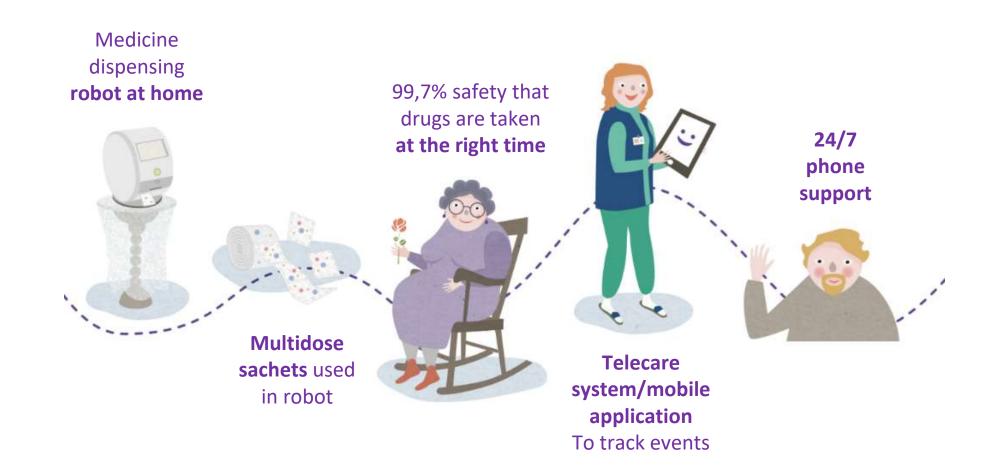




2007 Business idea



### Evondos service improves medication adherence







# Better quality of life. Fewer societal costs

The cost for society decreases when the need for home care can be reduced or postponed.

<sup>\*</sup> Source: KOLADA statistics, SWE







#### How Evondos benefits





Guides homecare clients in taking the correct dose at the right time

Ensures high medication adherence and a better outcome

Allows safer medication management

Improved patient safety

Frees up nurse time to treat more patients with the same workforce

High efficiency that allows nurses to focus on their primary tasks

Reduce number of physical medication dispensing visits

Costs savings in travel and medication dispensing costs

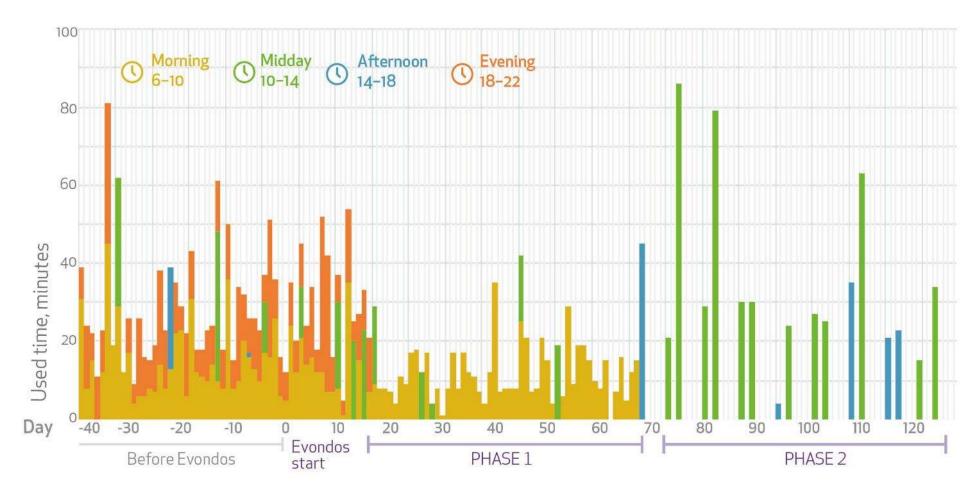
**Increases employee satisfaction** 

Nurses have more control over their primary work



evondos

### Routine medication visits reduced by 2/3



#### Alleviate the morning peak hours

- More time for client
- More flexible timing for visits avoid morning/evening rush hours

Reference: Vesa Tiitola, Master's thesis 2018







## Proven medicine safety by clinical studies

- Rantanen et al., Clinical Therapeutics, 2017: An In-home Advanced Robotic System to Manage Elderly Home-care Patients' Medications: A Pilot Safety and Usability Study
- Home-care residents (approx. 17) used the Evondos Medicine Dispensing Service for 457 days. The device delivered and patients retrieved medicine sachets for 99% of the alerts
- In rare cases where the medication was not taken independently, the alerted nurse ensured that the proper medicine was given. Not a single dose of prescribed medication was left untaken.

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# IHE - released study in Sweden on dispensing robots by The Swedish Institute for health economics

- Research group managed by Professor Peter Lindgren
- Challenge growing number of elderly lack of competent personnel
- Study included 4 municipalities with 229 AMD's
- Results
  - savings 22 h work/month/robot
  - 14 h if taking into account visits done for other reasons during medicine giving by the robot



<sup>\*</sup>dispenses occurring when nurse present







#### **Capio connect Ab**

private homecare provider

#### Results reported in Stockholm

- Study with 25 robots / 6 months
- Medication adherence 99,4 %
- 0 reported medication errors
- Enabled 11 % increase in number of patients treated
- Record high Customer satisfaction 9,3 (patients) & 9,4 (personnel)
- Saved 6500 hours of driving & 3000 hours of care work
- More time for patient-centric care

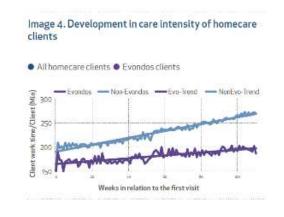


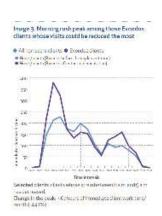




#### Finnish Municipality Federation

- The work input of 7 to 9 care persons was released for other homecare tasks
- Visits decreased by 2246 visits/month
  - estimated time saved 898 hours/month
- Morning rush peaks were reduced, and duration of visits was lengthened







#### A safe and reliable medicine depository

#### **Locked medicine container**

 Identifies any attempt of forced entry

### Only signed-in users can access the medicine

- Sign-in alternatives: Certification card, RFID, username + password
- All operations executed by the robot are stored on a log, which can be used to trace back who/what has been done



During the refill process, it is ensured that the robot is filled with the correct medicine for the right patient:

- The robot's visual application identifies the client's name and social ID via the correct medicine sachet
- Timing for medication is read via imprinted data on the sachets – medication times are never entered manually to avoid human error
- During refilling it is ensured that no dose of medicine is missing from the sachet rolls

#### **Container for missed medication**

 Locked container, accessible only by nurse.



### Example of rapport from Evondos Telecare system

90551

Total amount of sachets taken 2,9

Average medication / client / day

0,3%

Total number of untaken medicines % Total number of clients who have used the robots

Total number of sachets taken in travel state

Total number of untaken medicines

236

Total number of untaken medicines

99,7%

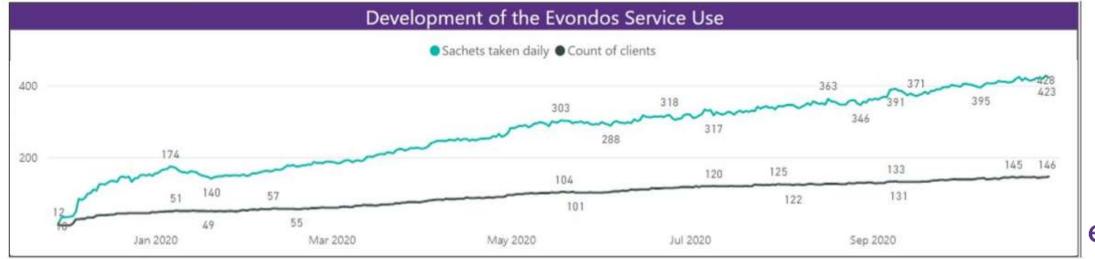
Medication compliance achieved

267,9

Average number of sachets per day 0,3%

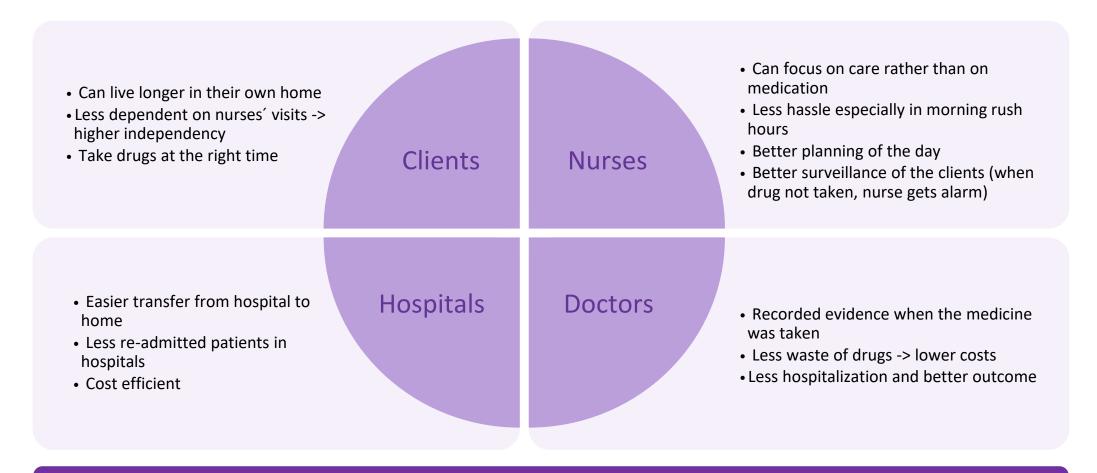
Sachets taken in travel state %

Sachet given manually	172
Sachet given manually %	0,19%





#### With Evondos, every stakeholder wins



More satisfied clients, coping with lack of nurses, less costs for the healthcare system

## evondos

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