

ONERVA

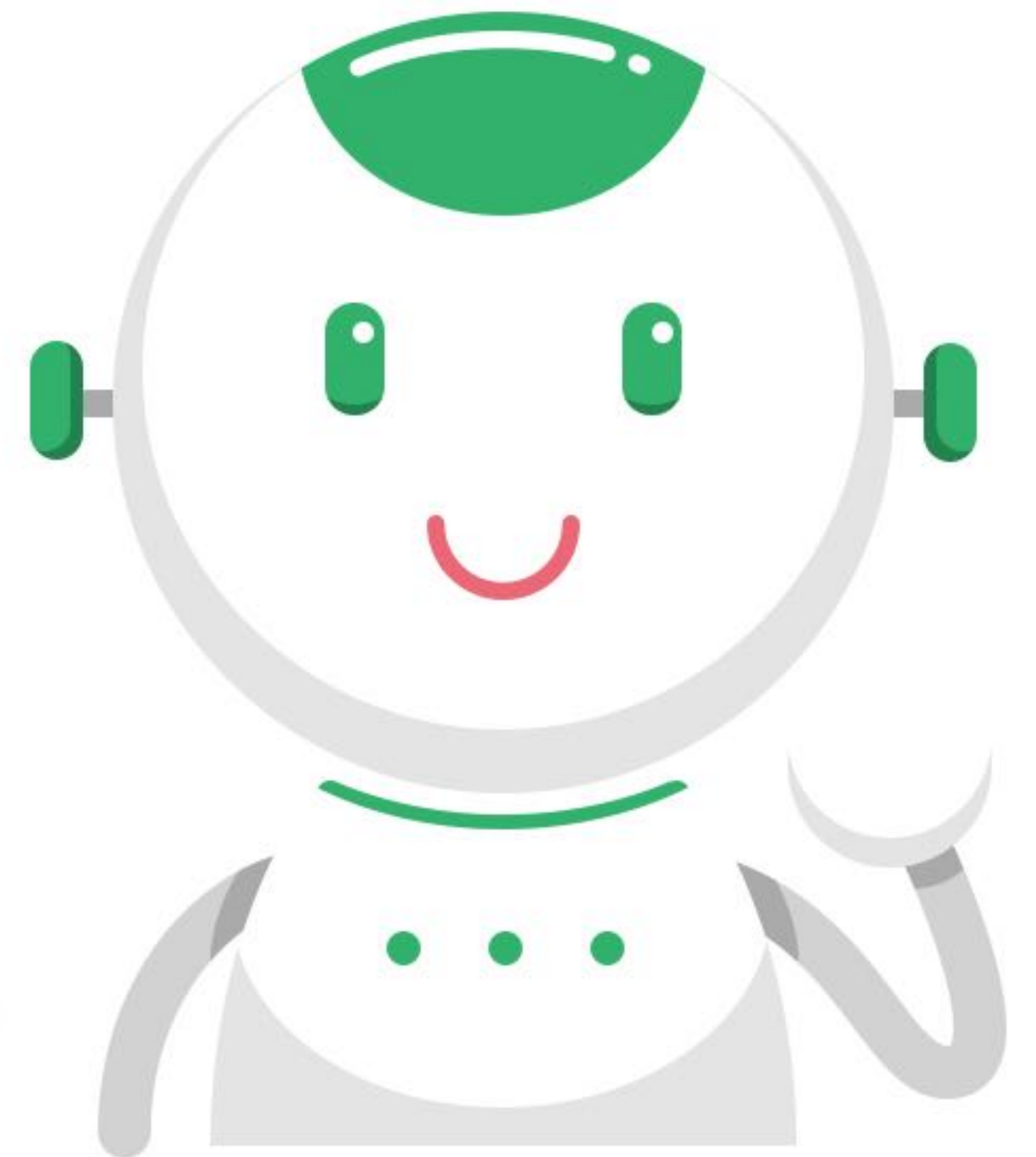
Onerva-bot

**Virtual assistant and a
conversational AI for the elderly**

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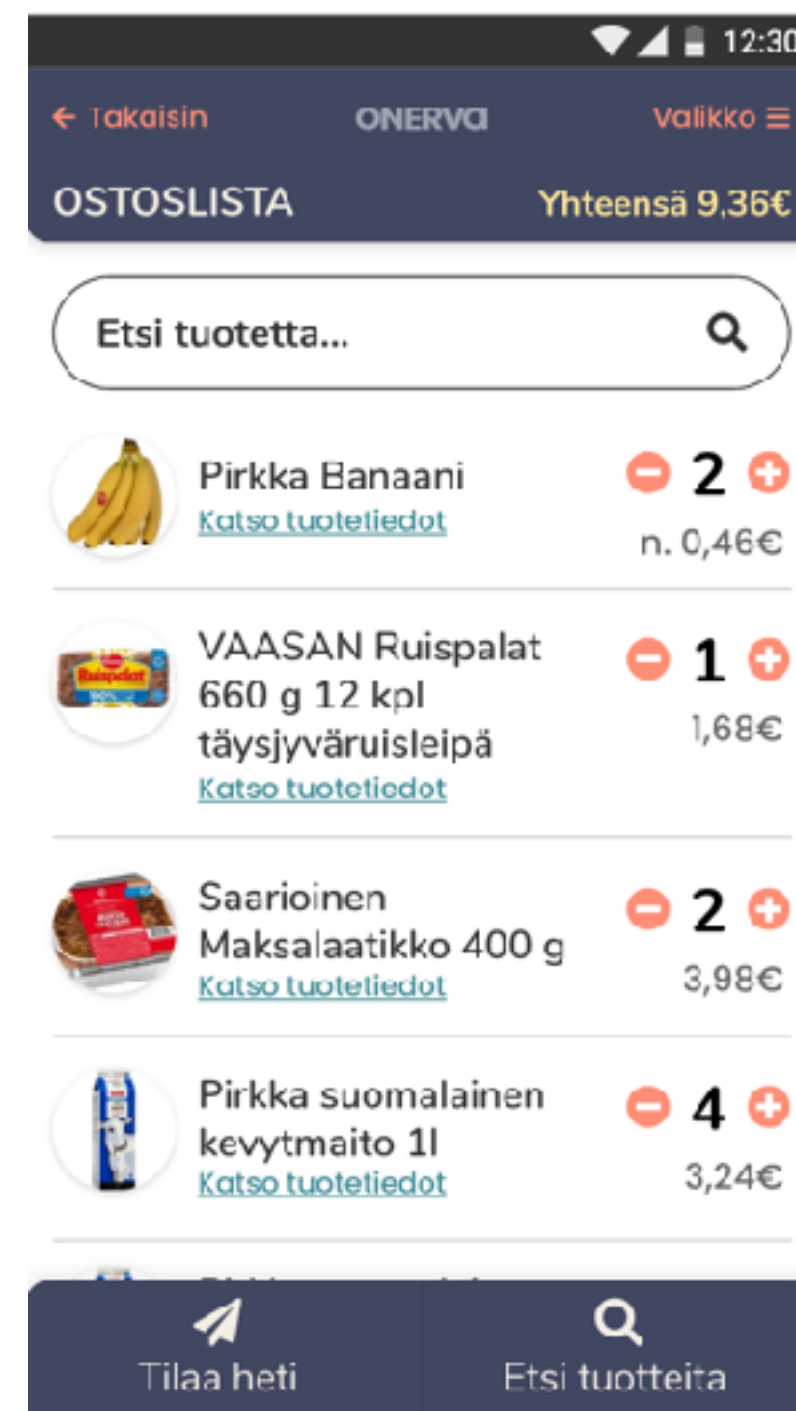
Making sure our aging loved ones can live in their homes safely and happily



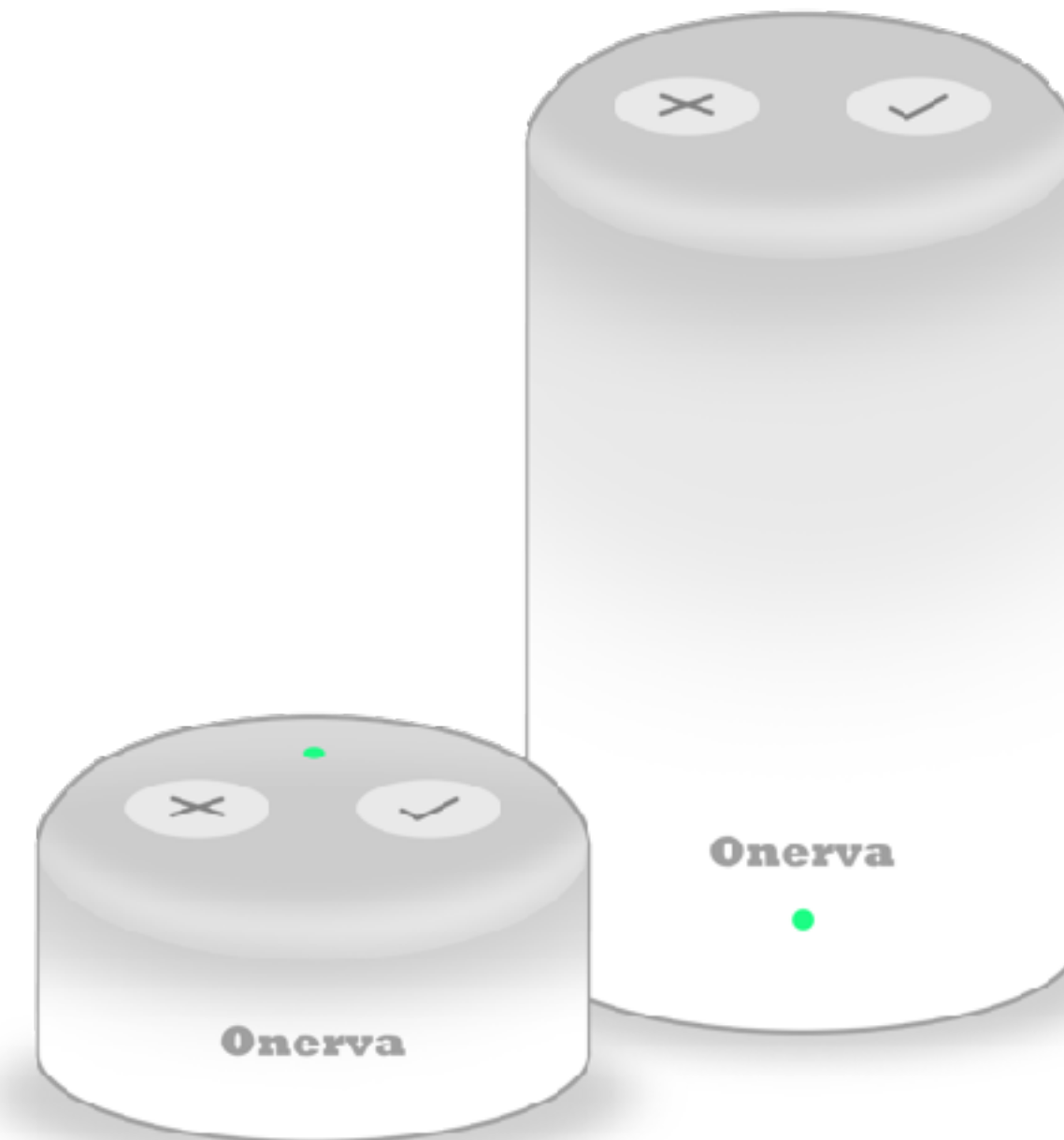
Onerva's communication services for eldercare



Instant messenger



Online Grocery store (in-app)



Onerva-bot: voice operated virtual assistant

ONERVA Real conversation with Onerva-bot



<https://youtu.be/kWyBlmsSj88>



Banking services

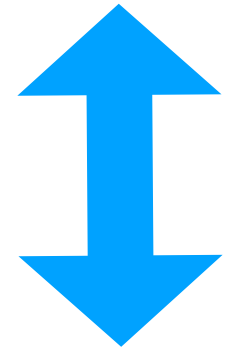


Online grocery store and delivery



Public service

Services



ONERVA



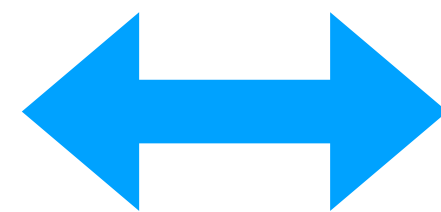
OnervaBot
Virtual Assistant



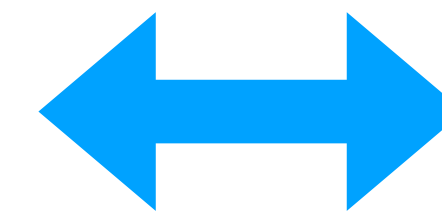
Aging
customer



**Communication,
entertainment**



- Messaging voice+text
- Playing txt messages
- Radio, Yle Areena, audiobooks
- News, weather
- Internet searches



Care

- General checkup, is everything OK
- Reminders (medication, appointments)
- Orientation for the day
- Alarms (e.g. if customer has fallen)
- Need-based care ("Do you need the nurse to visit now?")

ONERVA Purchasing food via voice

The screenshot shows the Ruoka website interface. At the top, there's a navigation bar with 'Ruoka' logo, 'Kaupat', 'Tuotteet', 'Reseptit', and 'Ajankohtaista'. A user is logged in ('Kirjautu'). Below this is a 'CITYMARKET KELJO' header with a search bar containing the barcode '6410405113177'. A notification banner states: 'Sivustolle kirjautuminen ja tilausten muokkaaminen ei onnistu 17.-18.9. klo 21 - 6. Lue lisää'. The search results for '6410405113177' show a single item: 'Pirkka Luomu suomalainen rasvaton maito 1l' for 0.99 €/kpl. A message asks 'Etkö löytänyt etsimääsi?' and suggests 'Kokeile muokata hakuasi tai lähetä tuotetoive kaupalle'. Below is a category filter 'Selaa valikoimaa tuoteryhmittäin' with buttons for 'hedelmät ja vihannekset', 'leivät, kekset ja leivonnaiset', 'liha, kala ja kasviproteiinit', and 'värihuuokka ja lihajalosteet'. The shopping cart 'Ostoskori K-Citymarket Keljo' has a total of 7,63 and contains: 'Kurkku Suomi' (n. 0,52, n. 0,35 kg, 1 kpl), 'Tomaatti Suomi' (n. 2,47, n. 0,95 kg, 9 kpl), 'Pirkka banaani' (n. 1,15, n. 0,83 kg, 5 kpl), and 'Pirkka suomalainen naudan jauheliha 10% 400g' (3,49, 1 kpl). A video player at the bottom shows a video titled 'Ostetaan ruokaa puheohjauksella' with a progress bar at 1:09 / 4:24.

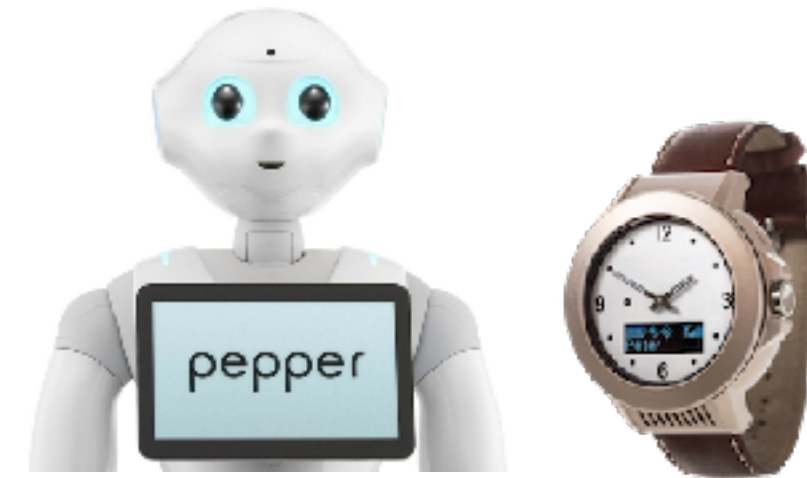
Options for delivery



Onerva Smart speaker
-device



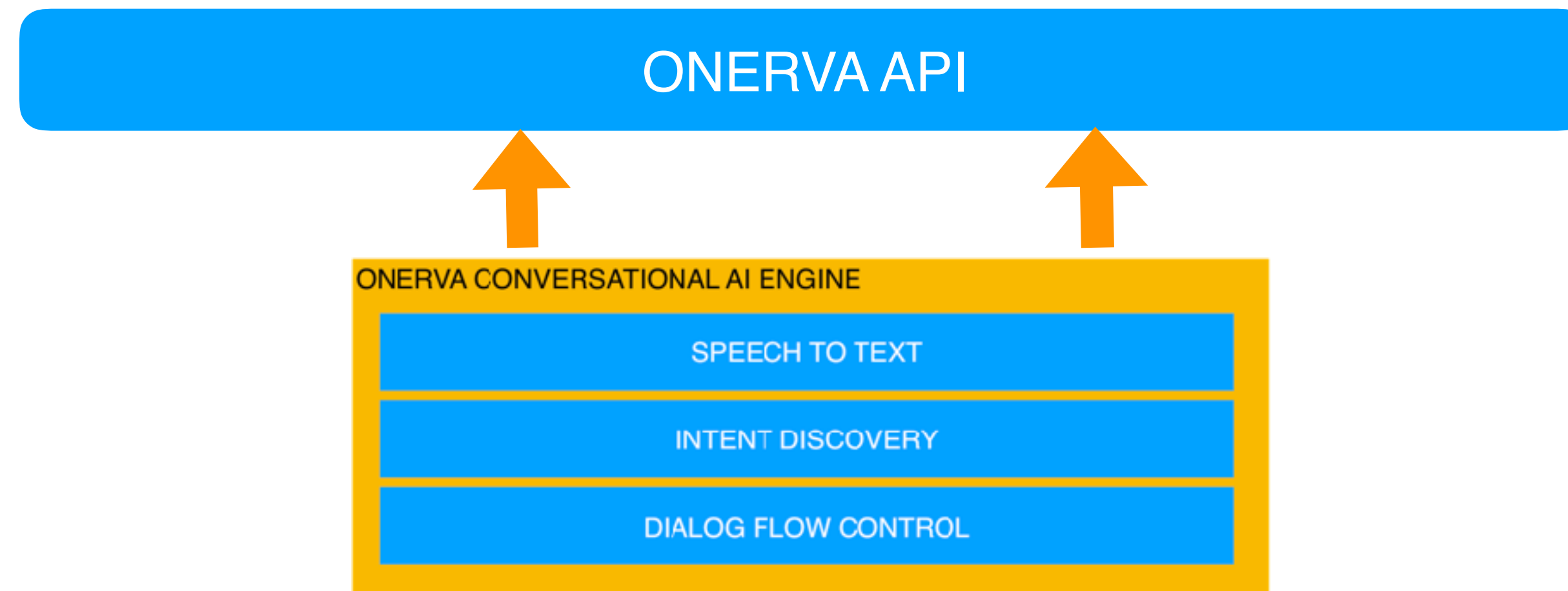
3rd party smart
speaker



3rd party devices



Android/iOS -app for
tablets and smartphones



ONERVO

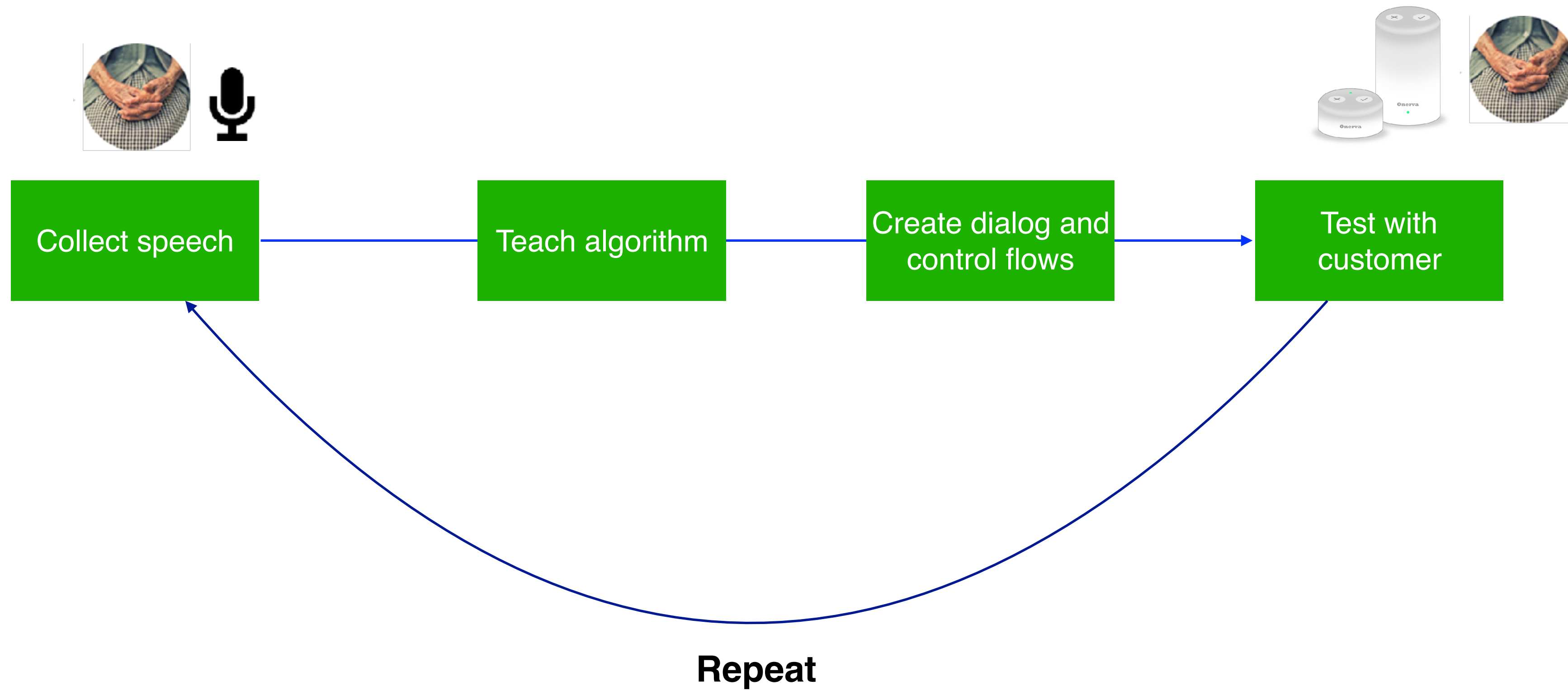
Roadmap: how to develop virtual assistants for eldercare

Co-operation with care providers and research institutes



Teaching Onerva-bot

KUOPIO



Teaching Onerva-bot

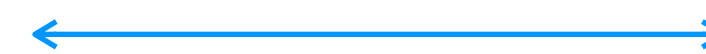
KUOPIO

ONERVA

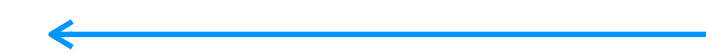
Phase 1: Record homecare visits to understand dialogs.



Phase 2: Simulate bot. Human makes Checkup-calls which we record and use to teach the bot



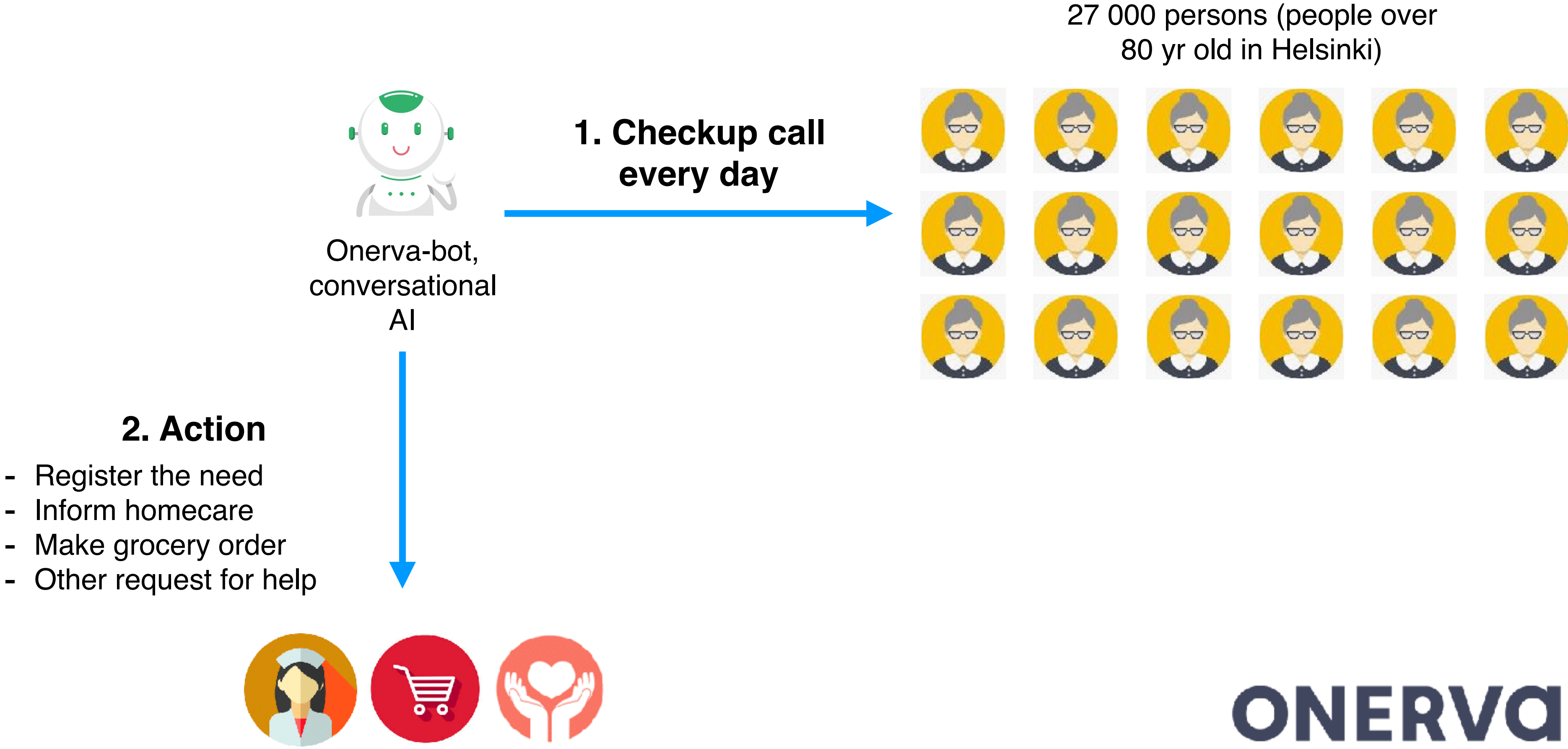
Phase 3: Bot calls to customer every morning. Human monitors.



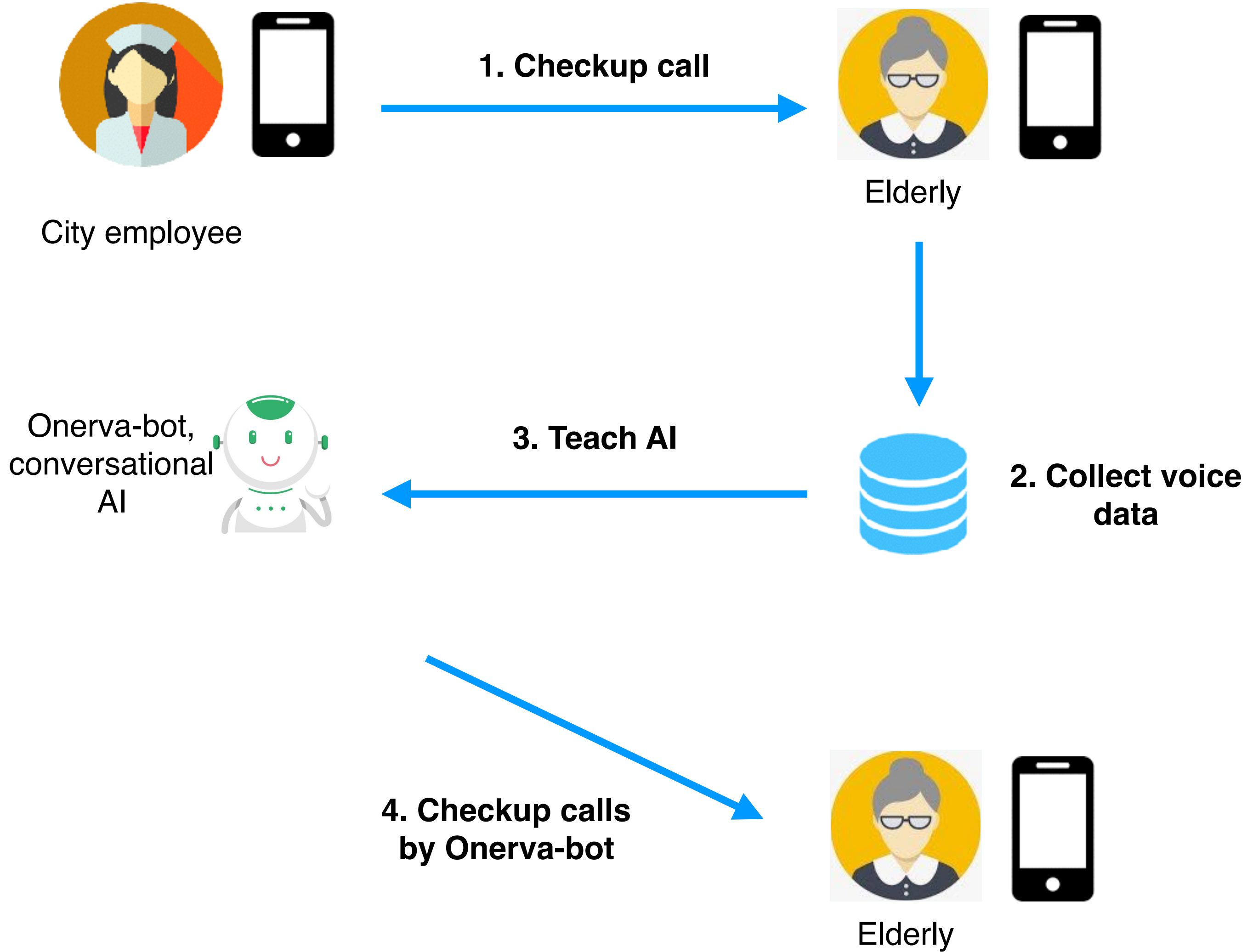
We need vast amount of speech data in order to make Onerva-bot understand different dialects, phrases etc.



Onerva-bot helping elderly during koronavirus



Onerva-bot helping elderly during koronavirus



Looking for

- **500 000 €**
Seed round



- **Co-developmet projects**

Let's connect



<http://onervahoiva.fi>



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