



NOrdjysk Platform for Innovative Indkøb (NOPII)

Test and development of TIM (Total solution for Intelligent Medication aid)



The Purpose of NOPII



1. *To develop a platform for multimunicipal innovative procurements in the departments of health, elderly and disability, which can stimulate the corporate competitiveness in technologies for welfare and ambient assisted living.*
2. *To complete an innovative tender, and purchasing of total solution for intelligent medication aid for citizens of the 9 municipalities involved.*



Considerations on the subject of the tender.



Why want a different solution for medication aid?



Known products:



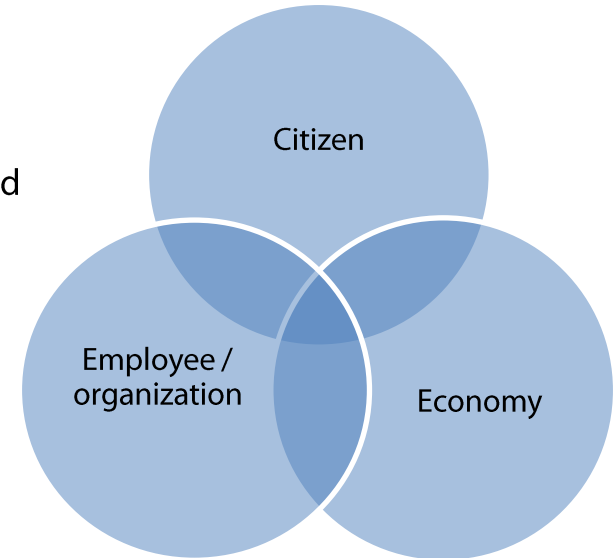
Do they work?

- Not able to dose?
 - Difficult in use
 - No information of the medication
 - Handles only bits of the medication aid process.
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The purpose of the tender



- To end up with a complete solution, able to:
 - Increase the quality of life and self-reliance for citizens in their own homes, who receive help for security and overview of dosage, physical control of the pills, cognitive control of pills and competence for correct picking up and taking medicine
 - Increase the health care quality, fewer unintended incidents
 - Improves the employees' physical working environment and increases work satisfaction
 - Reduces costs related to dosage, reminder and medicine delivery.



Who?



- Citizens living in their own homes, receiving aid from homecare or nursing, concerning medication.
 - Dispensation (effort in which staff count or prepare prescribed medication for administration)
 - Administration (where staff provide medicine and helps citizens take the medicine and observe the citizens)
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Interviews with citizens



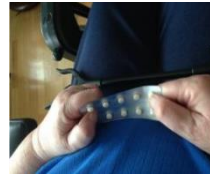
- 1. Lack of autonomy and competence



- 2. Lack of safety



- 3. Missing overview



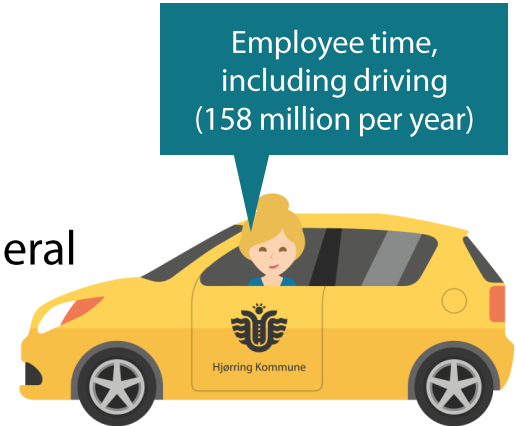
- 4. Missing physical control of the pills

- 5. Missing cognitive control of pills

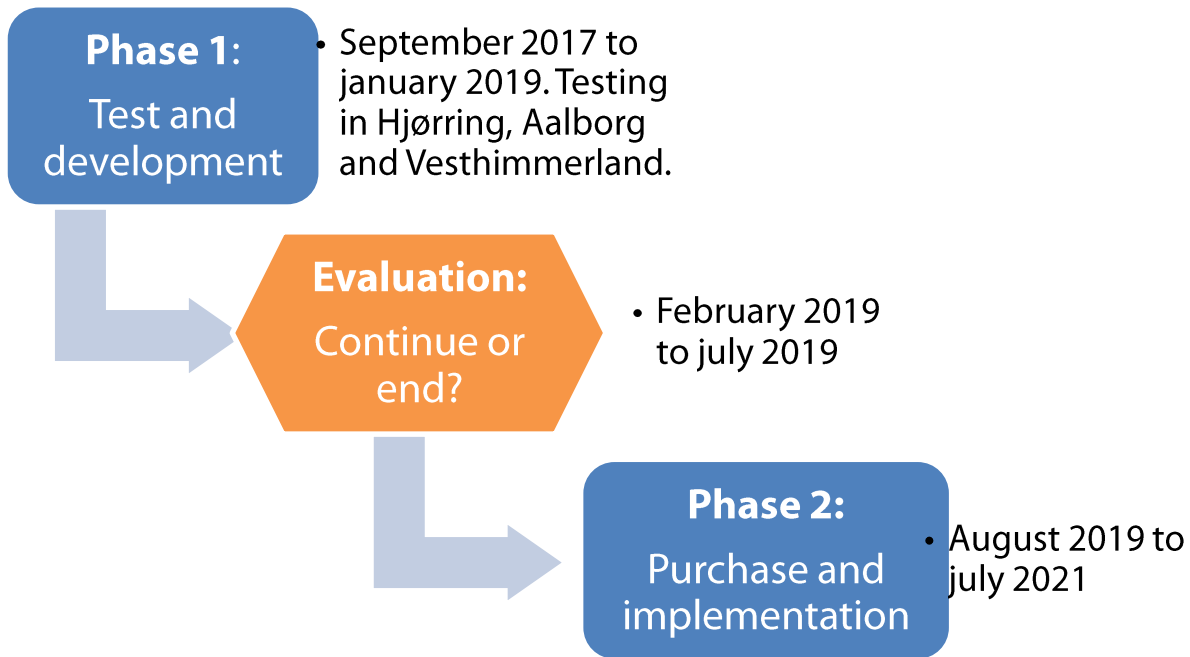
Economy



- 158 mio. kr. per year in the 9 municipalities (26 million USD)
- 357.500 hours per year (73% administration / 26% dosage)
- 6.217 citizens receiving aid for medication
- 1.731 citizens receiving aid, only for medication
- Additional benefits from better medication and hence an improved health: Fewer hospitalizations, doctor visits, general aid...?



Contract

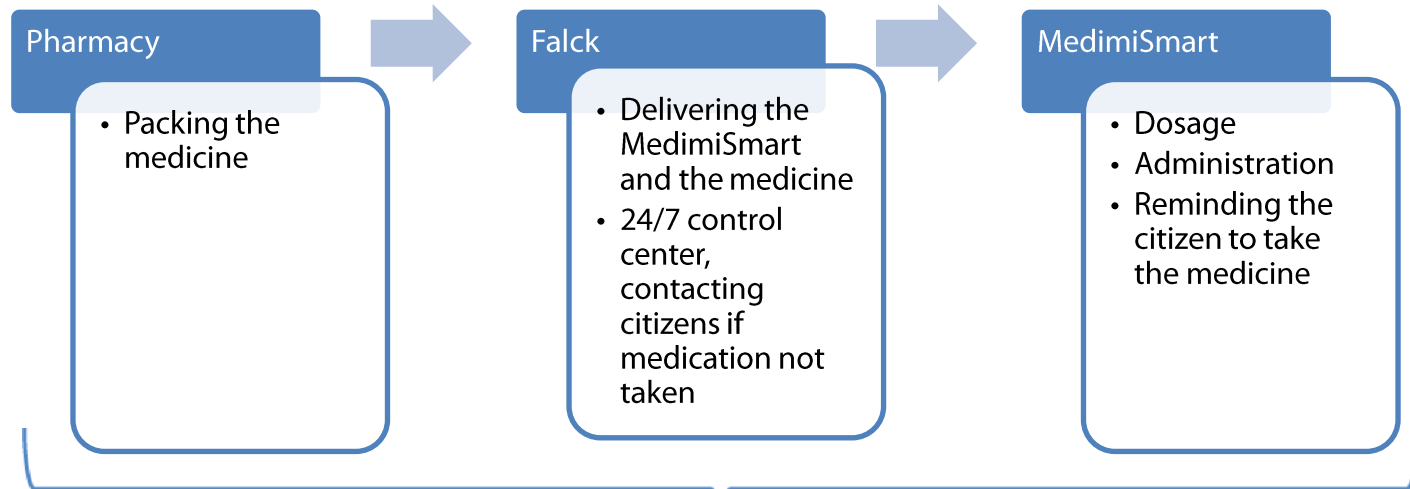


The business consortium MedicCare



TIM (Total solution for Intelligent Medication aid)

- includes the entire journey of the medicine



Software from [CareConsult](#) connecting the partners and making it possible to make day to day changes in the medication, based on the citizens' "Fælles medicinkort"

TIM (Medimi Smart)



- Automatic dosage:
 - Integrated to the e-health system (always the correct and updated dosage)
 - Able to dose Scheduled medicine, to pre-dose, to dose need-medicine and to remind of other types of medication
 - Self controlling the dosage
- Reminding the citizens to take the medicine (including light, sound and SMS)
 - Notifying the control center, if the citizen does not take the medicine
- Providing overview of the medication
- Providing compliance and documentation
- All medicine placed inside the MS



Timetable of test



Learnings so far



- From testing:
 - The citizens have clear attitudes
 - Our citizens receiving aid, are both physically and cognitively weakened
 - One size doesn't fit all
 - There is a need for further development, in certain details.
 - A few selected results of our premeasurements:
 - 35% of visits are medication only
 - 44 % of the time used for an administration visit is driving
 - In average, the employee is interrupted 2,32 times per dispensing visit.
 - 89% of the employees feel, that dispensing medicine helps them understand the citizens' situation
 - Almost all citizens feels safe about our employees aid, and agree that the employees learn about the citizens, when visiting.
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Would you like to know more?



Visit our website: www.hjoerring.dk/TIM

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