



Työsuojelurahasto
Arbetarskyddsfonden
The Finnish Work Environment Fund

eDASA + APP in Finland

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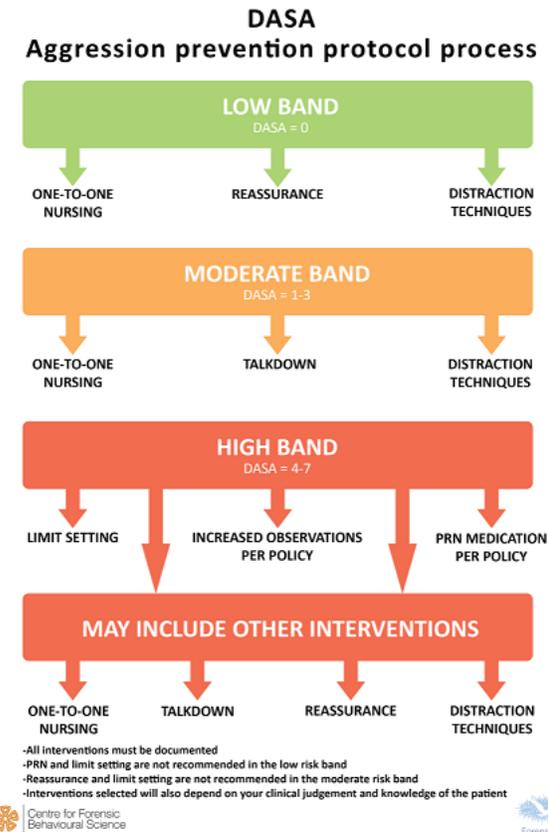
Where I come from - Finland



- 5.5 million citizens
- ~15 000 km from Sydney
- Finland is the world's happiest country
- Finnish is part of the Uralic language family
- Finns are the world's biggest coffee drinkers
- Finns don't fill silences
- 74% of the country is forested

eDASA + APP

- Electronic DASA (Dynamic Appraisal of Situational Aggression, Ogloff & Daffern 2006)
- Aggression Prevention Protocol (APP)
- The APP offers recommendations for aggression prevention strategies or nursing interventions that correspond to the low, medium or high risk level (as measured using the eDASA)
- Based on two Australian studies the use of the eDASA+APP helps to reduce incidents of aggression and restrictive practices in mental health units



This presentation was planned to be about the pilot study results...

... However, when the pilot was about to begin

- Valvira, our National Supervisory Authority for Welfare and Health decided that all risk prediction tools integrated into electronic health records are *medical devices*
- Registration of medical devices is regulated by European directives and the process is rather complex
- Registration should be completed ~ by August 2023
- An extension for the project has been sought from the funding body



Hospital District of Helsinki and Uusimaa

- Catchment area 2.2 million citizens
- 28 psychiatric inpatient units, both general and forensic

Clinical problem:

- High rates of occupational violence
- Use of coercive measures rising
- Most units do not use any structured violence risk assessment tool



Possible solution: eDASA + APP Project for years 2022-2026

What's done so far

1. Ethics approval for the whole study
2. Ethnographic study about nurses work related to use of electronic health record system
3. Survey about nurses attitudes towards risk assessment and management
4. Creating eDASA + APP – Finnish version
5. Training modules
6. Integration into electronic system



Exploring nurses' attitudes towards violence risk assessment, management, and positive risk

- Pre-post survey
- Pre-survey 3-4/23
- Nurses and nurse managers, n=142
- Nurses strongly felt that risk assessment is their responsibility
- Nurses had mixed opinions about the effectiveness of risk assessment tools
- Older participants and nurse managers had more positive attitudes toward risk assessment tools

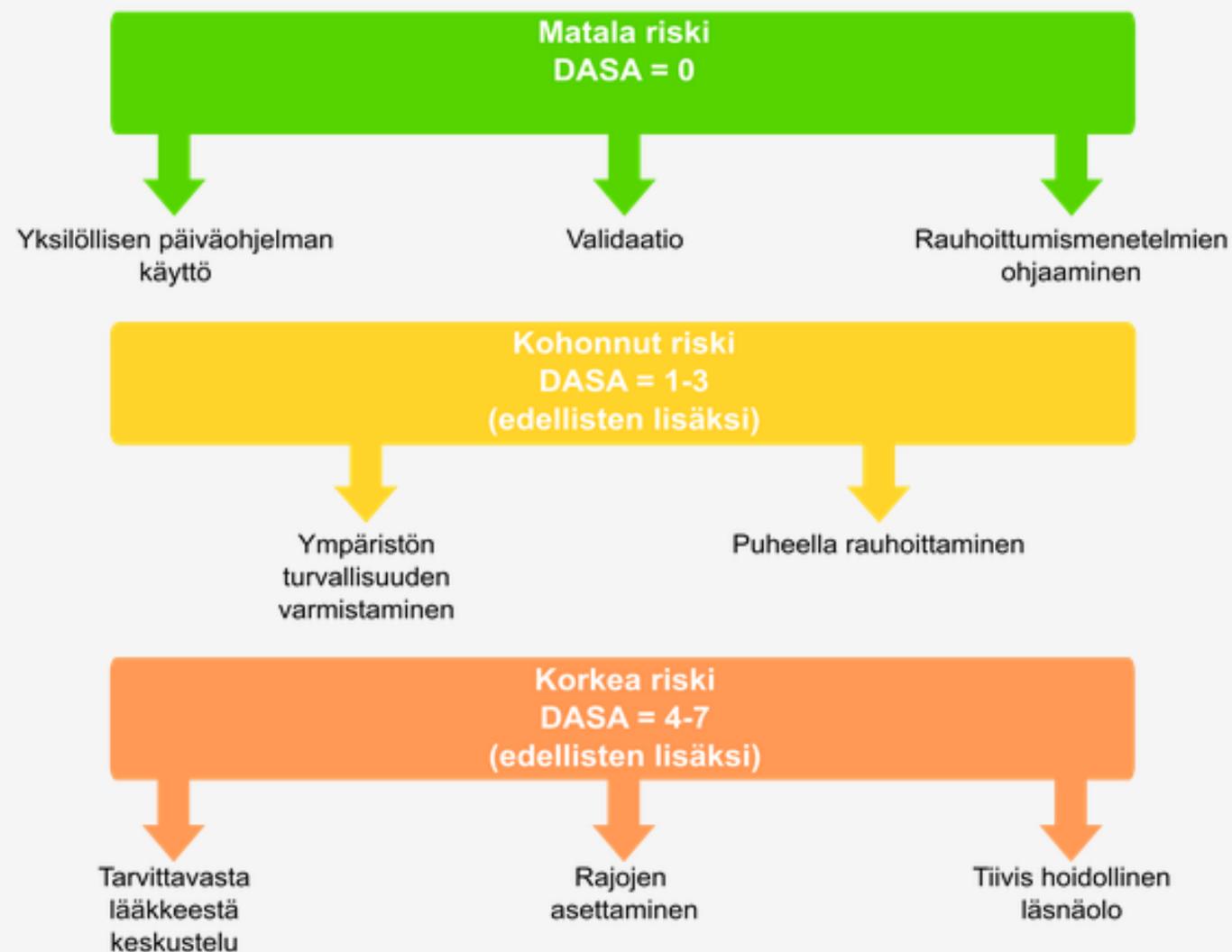
Modifying eDASA + APP to Finnish context in workshops (ws) – co-production

- 4 pilot units – 2 acute units, 1 rehabilitation unit, one psychogeriatric unit
- 2 ws for each unit
- 3-7 participants in each ws
- Nurses, nurse managers, a person with lived experiences, researchers

Topics included:

- Current practices in violence risk assessment & management
- Introduction to eDASA + APP
- SWOT-analysis
- APP interventions in local context
- Integration of eDASA + APP to their daily work and electronic patient data management system

eDASA APP -malli
Riskitasojen
mukaiset
väkivaltariskin
hallinnan
interventiot



Development of eTraining module for nurses and nursing managers

- **2h eTraining** for nurses, based on eDASA + APP manual, survey results and our previous research how to engage service users to this process – ready to be pilot tested
- **2h in-person training** for nurse managers and unit champions: introduction of eDASA + APP, their role in the implementation process, facilitators and barriers for implementing eDASA + APP based on CFIR*, use of eDASA + APP in their units

HUS*

eDASA APP -malli
RAJOJEN ASETTAMINEN

Mitä? Tarkoituksena asettaa rajat sille, mikä on ja mikä ei ole hyväksyttävää käytöstä osastolla.

Miksi? Rajojen asettamisella pyritään muuttamaan häiritseväksi, turvattomaksi tai tuhoiseksi luokiteltua käytöstä tai tuetaan potilasta hoitoon.

Miten? Rajat tulee asettaa empaattisesti, oikeudenmukaisesti ja kunnioittavalla tavalla.

Rajojen asettamisen viisi periaatetta:

1. Potilaan tulee ymmärtää, miksi rajoja asetetaan.
2. Potilaan näkökulman kuuleminen ja ymmärtäminen on oleellista.
3. Potilasta on kohdeltava oikeudenmukaisesti ja kunnioittavasti prosessin ajan.
4. Potilaan tunteminen ja hänen saamisensa mukaan prosessiin ovat hyödyksi.
5. Rajat on asetettava johdonmukaisesti.

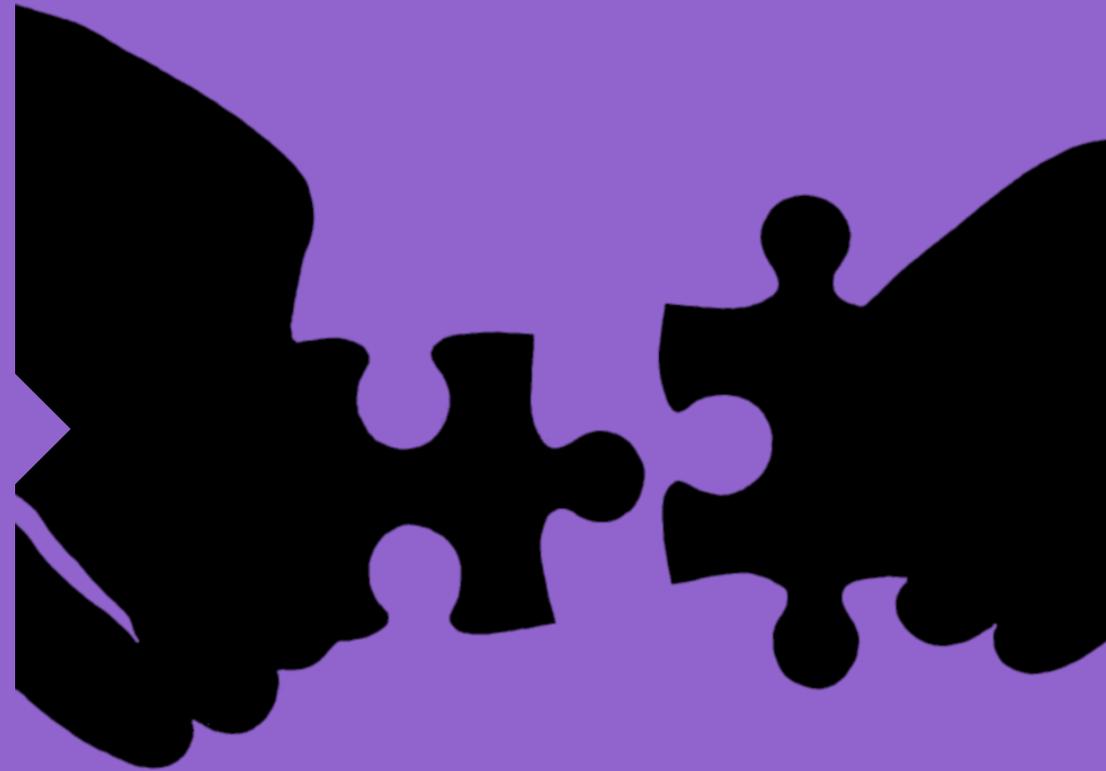
* CFIR: Consolidated Framework for Implementation Research

Integrating eDASA + APP to Apotti (EPIC based patient data management system) and testing FI version in inpatient units

- Integration of the Finnish eDASA + APP to electronic system has been done successfully
- We were able to take into account nurses views about where it should locate etc.
- Pilot and larger testing will begin as soon as medical device registration is completed...

Conclusions

- According to our experiences, co-production of a local version of eDASA + APP can increase nurses buy-in
- Nurse managers + champions role in the implementation process is central – they should be trained, too
- We believe that eDASA + APP will be feasible in Finland - EU regulations makes utilization of IT-based innovations rather complicated, but not impossible!





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Thank you for your attention!

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