

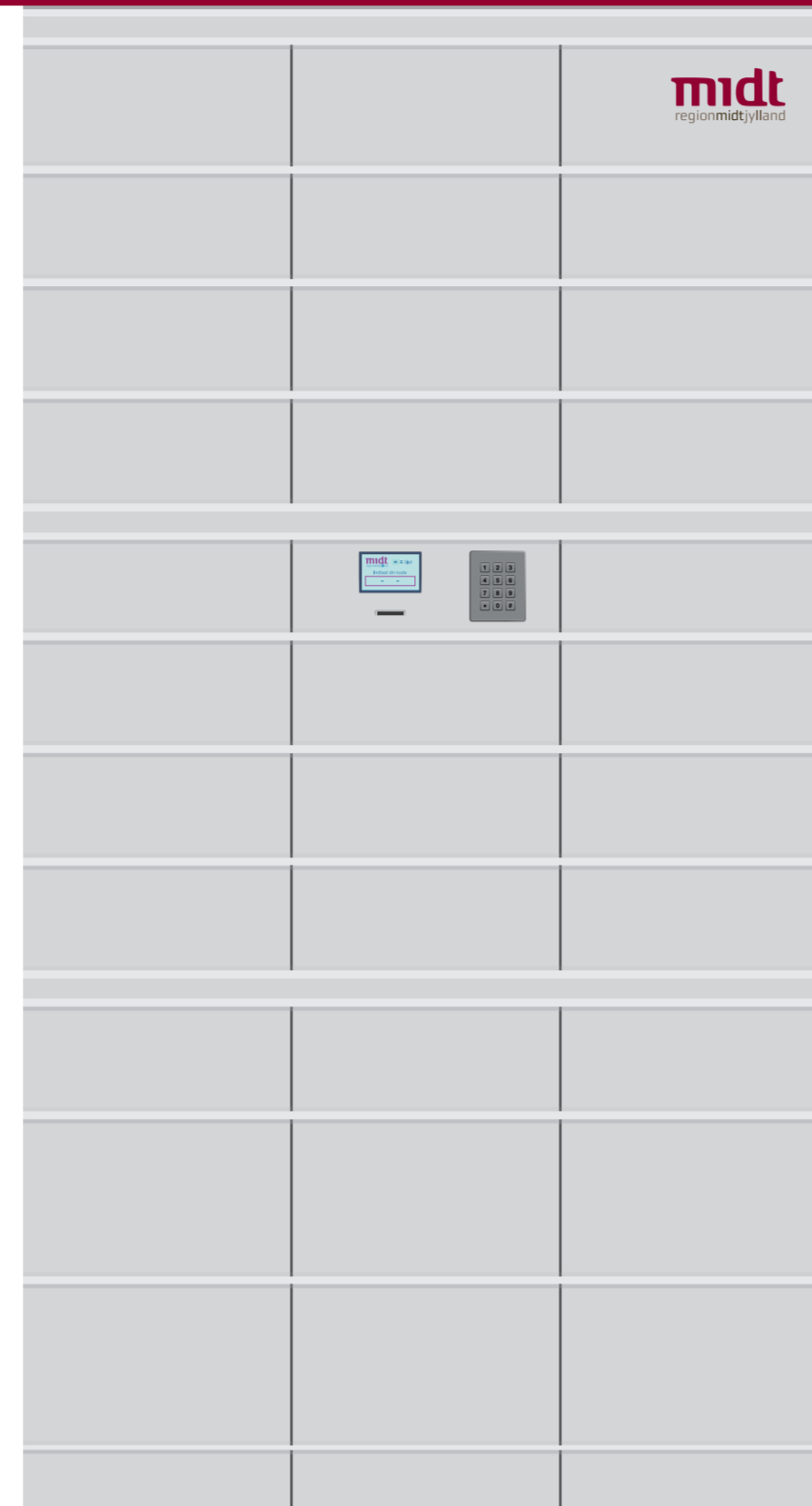
# MEDICINE BOXES

# FOR DISTRIBUTION OF PAID PHARMACEUTICALS TO OUTPATIENTS IN THE FUTURE

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## WHAT WAS DONE?

- Distribution of paid pharmaceuticals (PPs) to outpatients is made uniform and more flexible for the patients
- Patients will pick up their PPs in medicine boxes

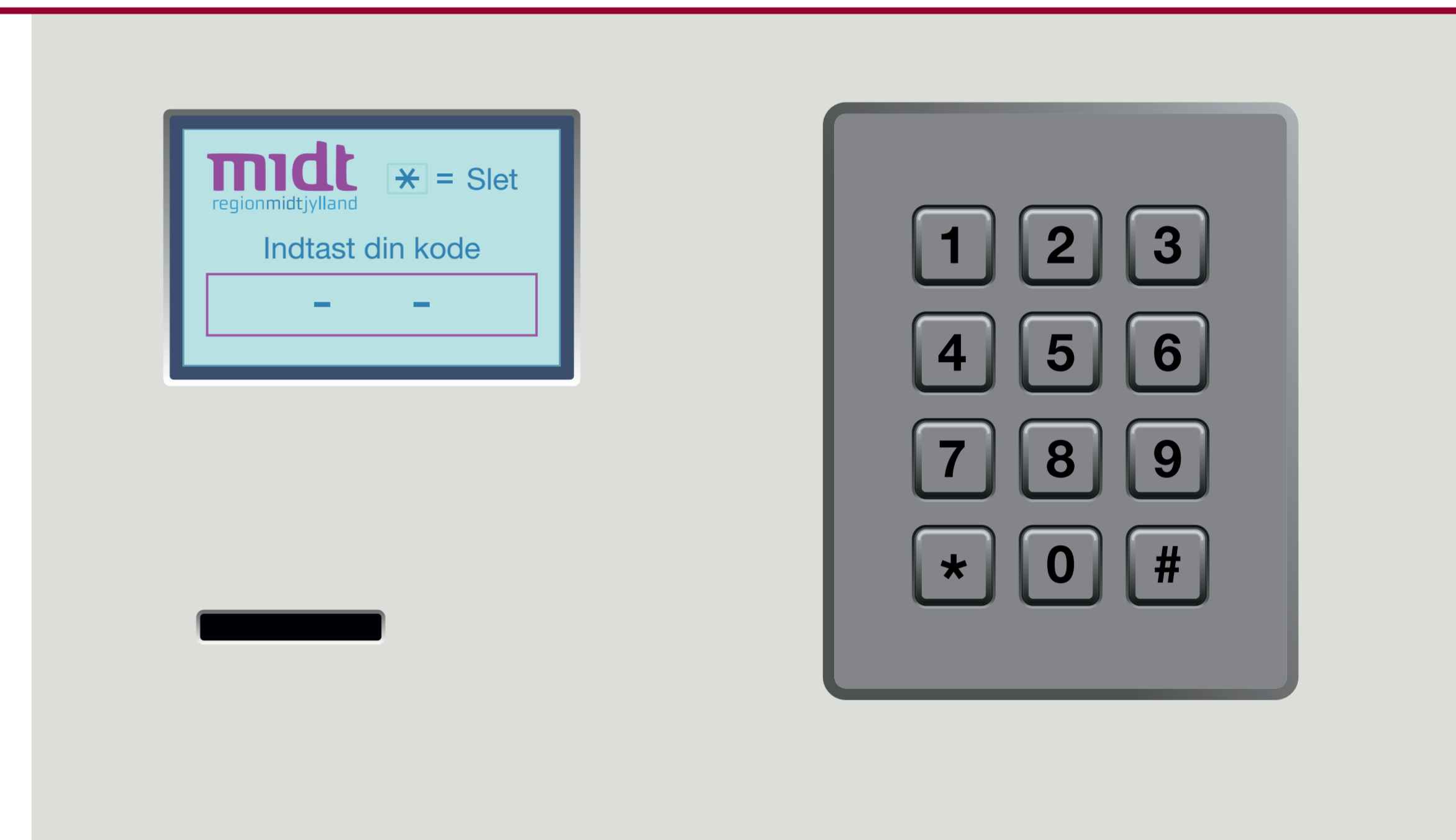


## WHY WAS IT DONE?

- Expensive medications are provided without cost to a selected group of patients (PPs)
- 35,000 patients in the Central Denmark Region receive PPs, 40% from the Hospital Pharmacy, the rest from hospital wards.
- The Hospital Pharmacy will take over a larger percentage to save time at the wards, increase quality, patient safety and to create a model that meets patient needs

## HOW WAS IT DONE?

- Patients and hospitals staff were asked to identify important factors when handling and picking up PPs
- A taskforce assessed different models based on patients' and staffs' perspectives, and they decided to test a medicine box from the company Nordic Robotics.
- The patients must enter a personal code on the display of the medicine box to unlock and pick up the PPs. The personal code is received by SMS

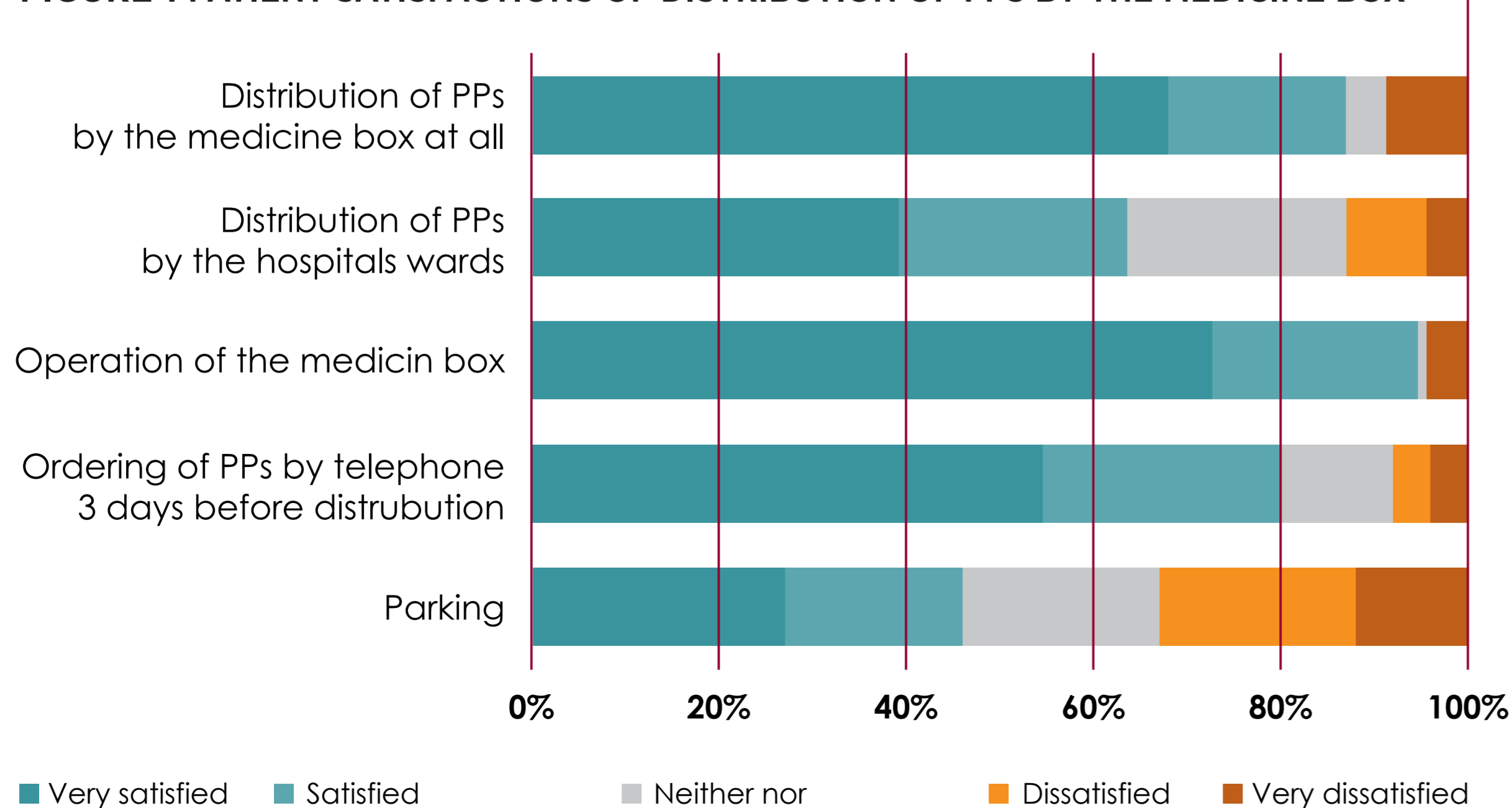


## WHAT HAS BEEN ACHIEVED?

- The medicine box was evaluated by patients in a questionnaire (n=71)
- 87% was "very satisfied" or "satisfied" when evaluating the distribution of PPs through the medicine box (Figure 1)
- 64% were "very satisfied" or "satisfied" when evaluating the distribution of PPs through the hospital wards, which was the former distribution method (Figure 1)
- The medicine box seems to address patient needs and fulfill the chosen standards for a future distribution model of PPs.

Responders	n=71
Female	66%
46+ years old	82%
Suffering from rheumatism	79%
Suffering from sclerosis	21%

FIGURE 1 PATIENT SATISFACTIONS OF DISTRIBUTION OF PPS BY THE MEDICINE BOX



## WHAT'S NEXT?

- In the trial period, only pharmaceuticals suitable for keeping at room temperature were used in the boxes
- Now medicine boxes with cooling are also being installed (Figure 2)
- 15 medicine boxes are being installed at 11 different locations in Central Denmark Region (13,053 km<sup>2</sup>, 1,3 million inhabitants) (Figure 3)
- 90% of patients receiving PPs from the hospital are expected to use the medicine box in the future

Figure 2 | Medicine box with cooling

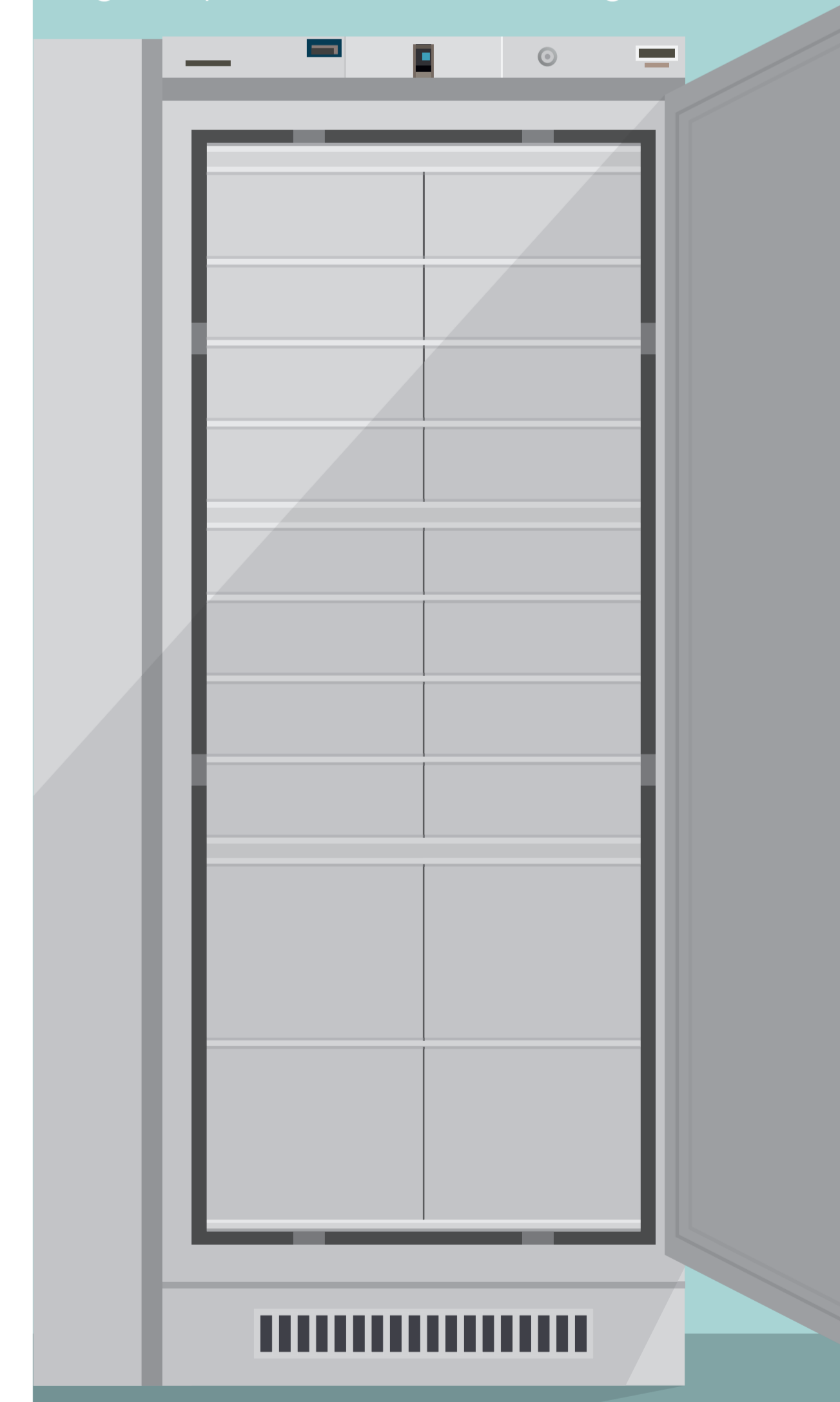
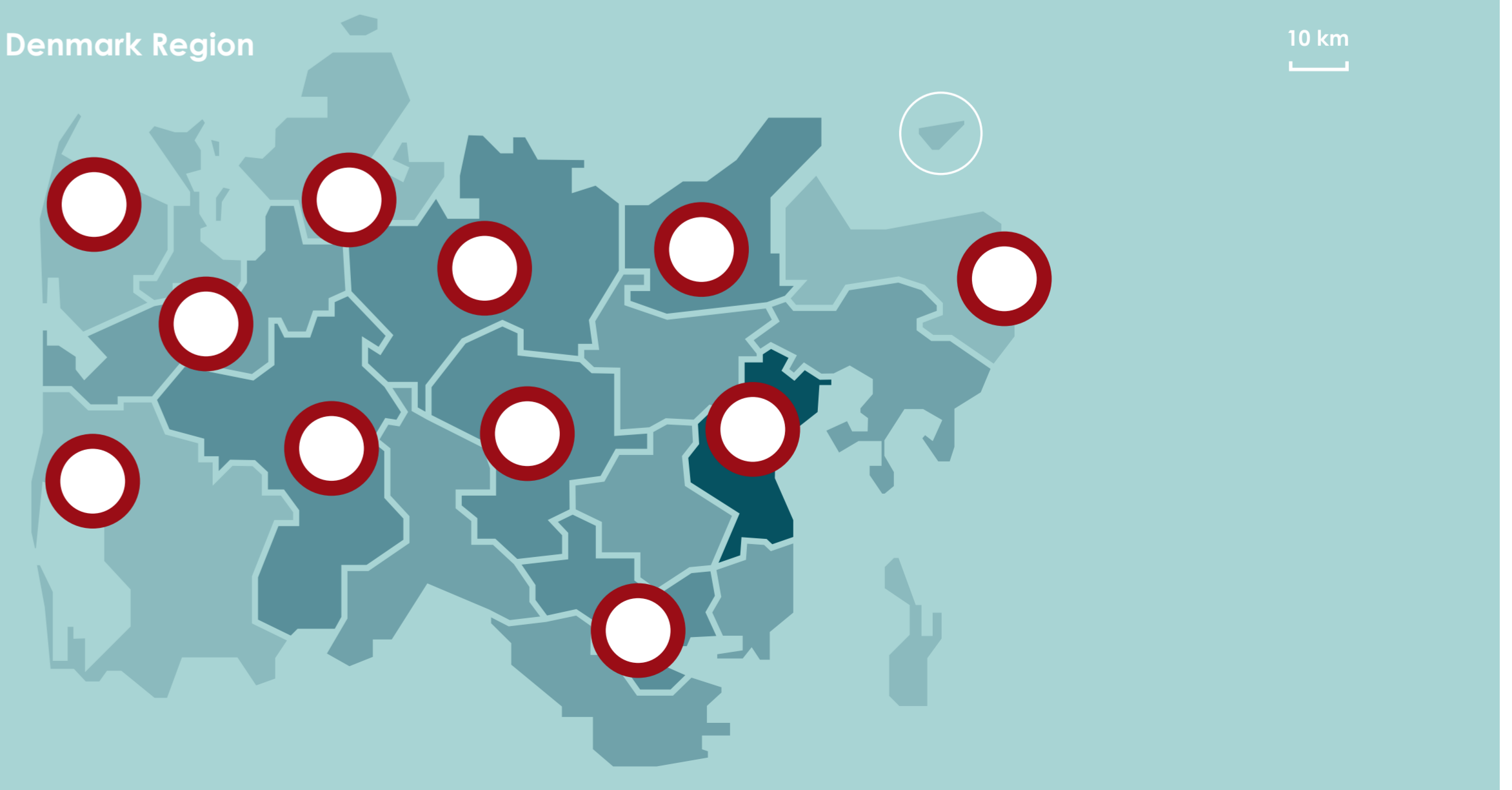


Figure 3 | Central Denmark Region



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