



## Communicating spatial risk of tick-borne infections - Creating a ScandTick Innovation website based on surveillance data

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# Communicating spatial risk of tick-borne infections

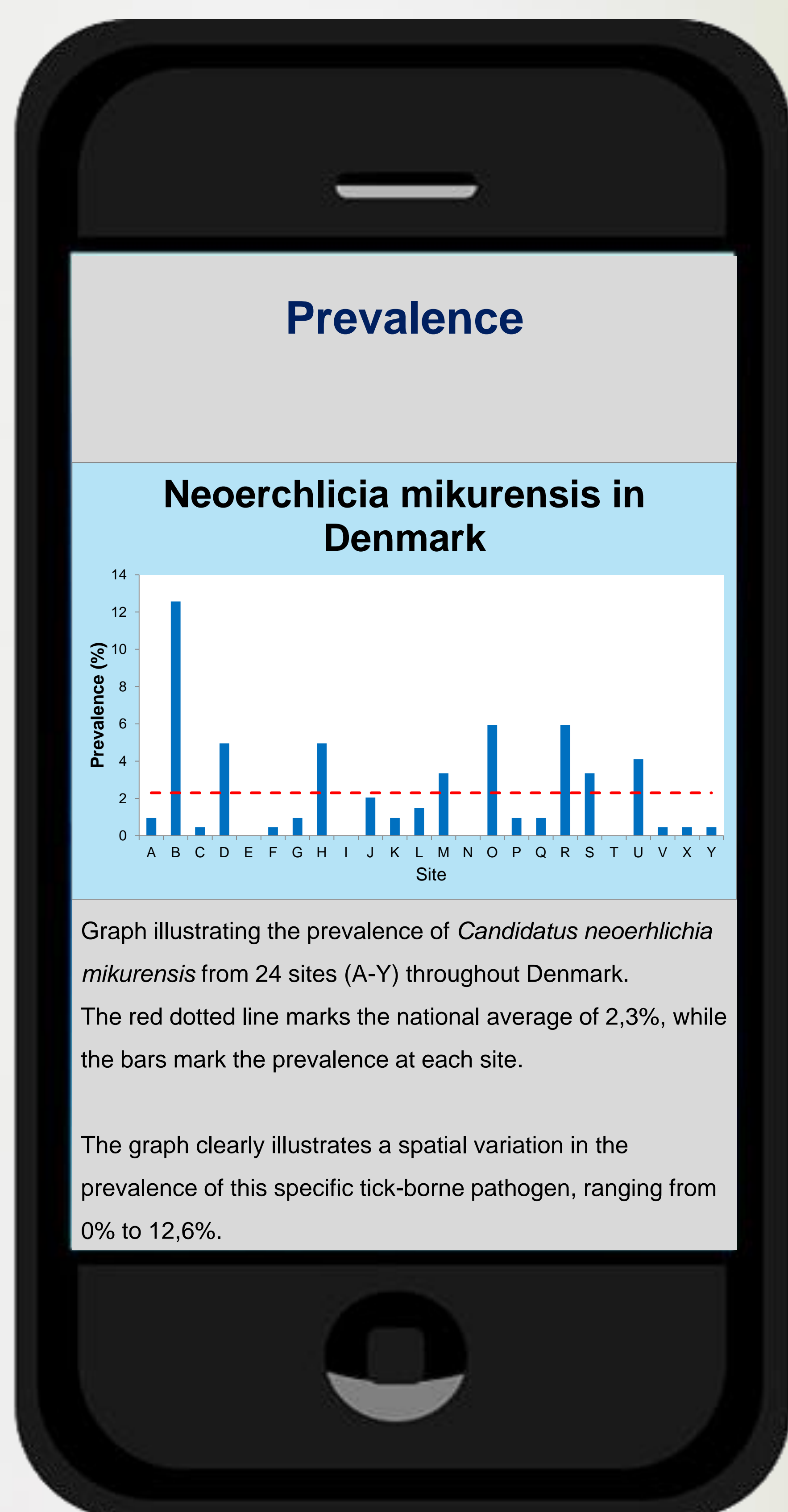
## Creating a ScandTick Innovation website based on surveillance data

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### Introduction

- Ticks are important vectors of infectious human and animal diseases in Europe.
- Several new tick-borne pathogens have been discovered in Danish ticks in recent years.



### Data

- A large amount of spatial prevalence data is available from recent surveillance of ticks and tick-borne pathogens in Denmark.
- We are using these data to develop a website to communicate quantitative information on ticks, pathogens and the risk of infection and illness.
- In the near future, the newly EU funded ScandTick Innovation project will conduct large scale mapping of all tick-borne pathogens in southern Scandinavia.

### Aims

- ↑ Awareness
- ↓ Fear
- ↑ Knowledge
- ↓ Misunderstandings
- ↑ Caution

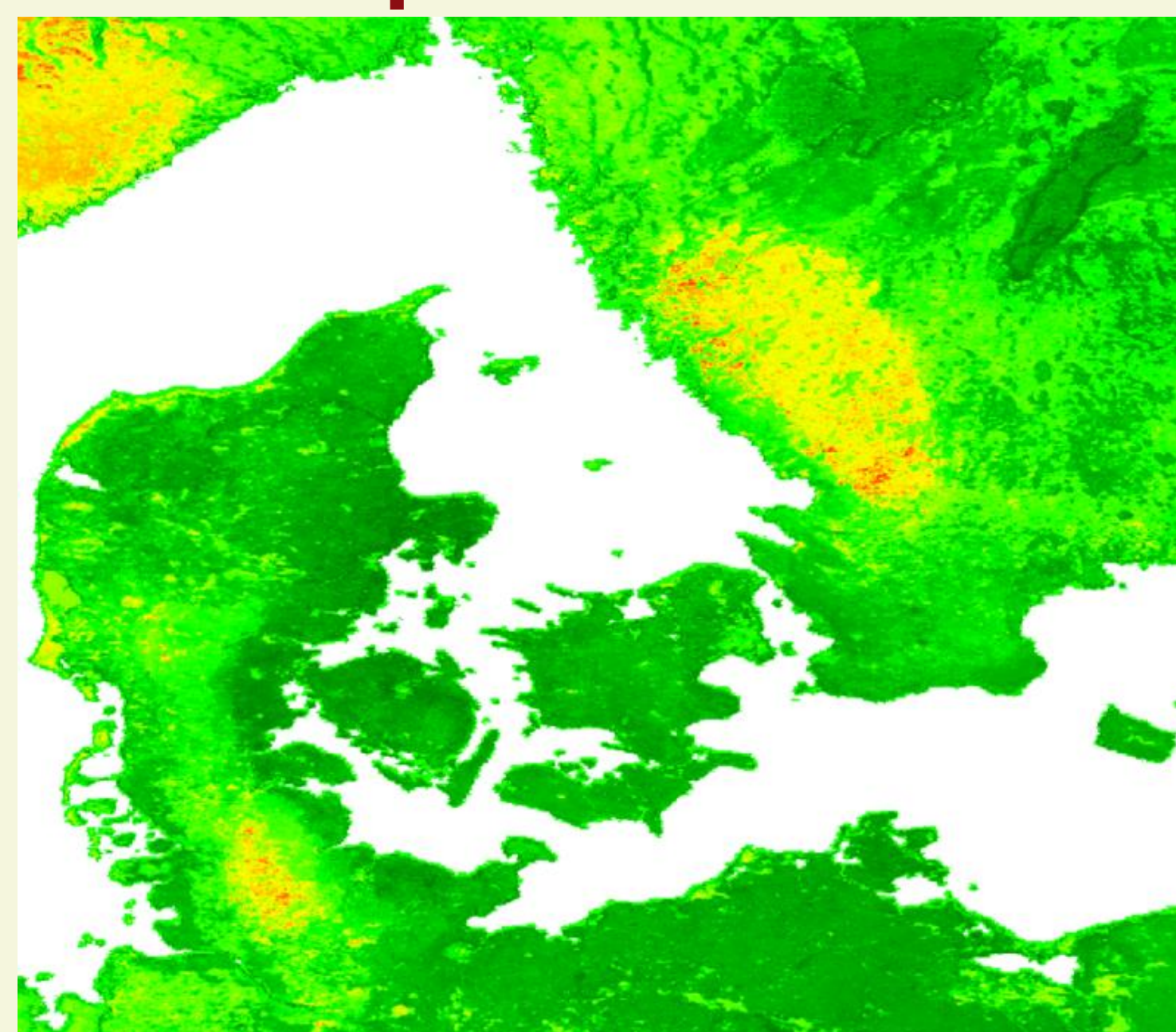
### Perspective

The website will provide the public with knowledge of the risks of tick bites.

We therefore aim to ensure early diagnosis, more effective prevention of tick-borne diseases and to provide quantitative risk estimates to health professionals.

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### Risk map



Map illustrating the probability of finding a positive pool (N=15) of *Candidatus Neoehrlichia mikurensis* throughout Denmark (green → red : increasing probability). This model was made using remote sensing and is based on preliminary data.

