UNIVERSITY OF TWENTE. | TECHMED CENTRE

THE TECHMED EVENT

Bridging past and future:

5 years TechMed Centre

Miriam Vollenbroek-Hutten, Medisch Spectrum Twente

Technology as driver of progress

Prof. Dr. Miriam Vollenbroek-Hutten

Medisch Spectrum Twente
een santeon ziekenhuis

Healthcare is since ever a dynamic field in which innovations and collaboration are essential.

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Where do we come from

Soort ziekenhuis
Academisch ziekenhuis (8)
Algemeen ziekenhuis (98)
Buitenpolikliniek (148)
Kinderziekenhuis (7)
Provincies

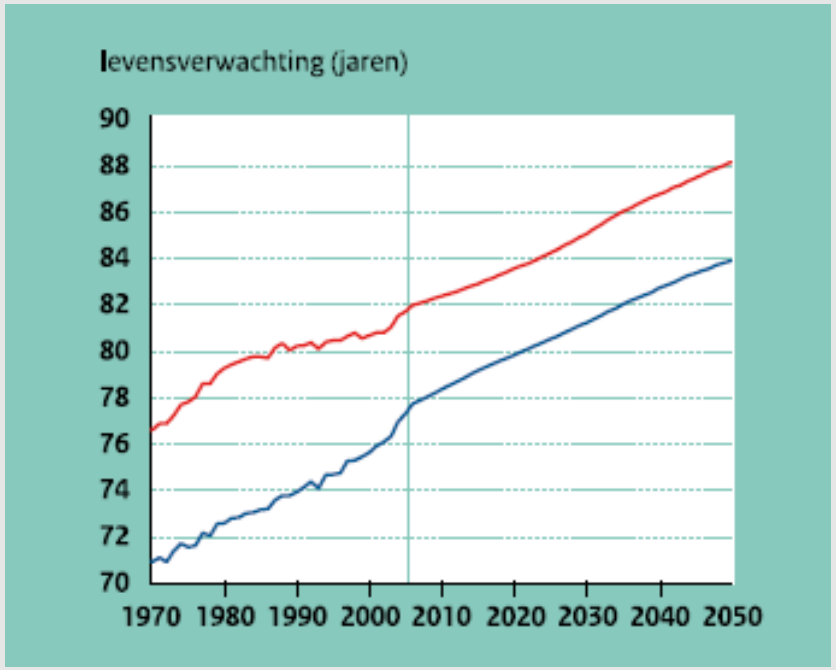
Where are we now

Diagnostics

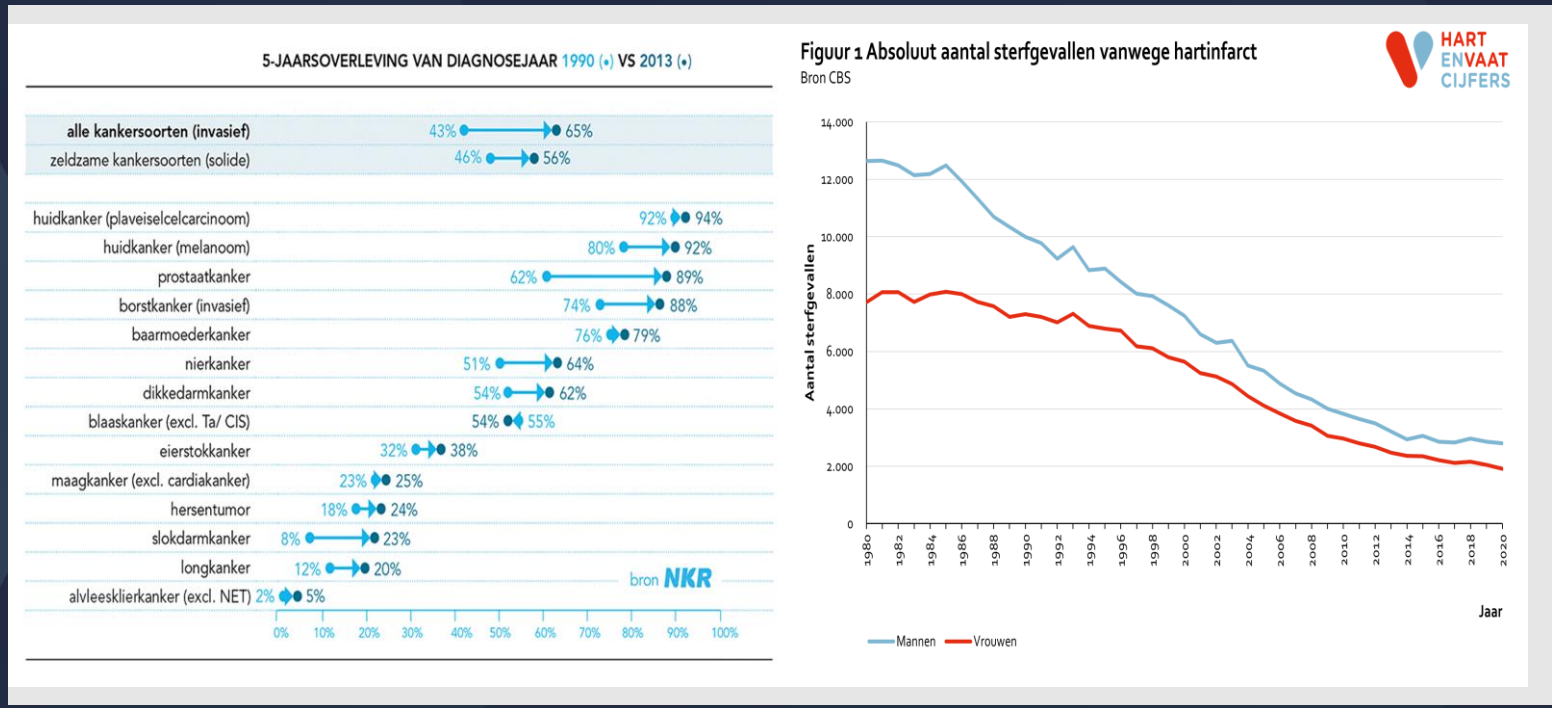
Treatment

After care/
check ups

Our succes makes the challenges



We are getting older



Survival rates are increasing

Bron: Rijksinstituut voor Volksgezondheid en Milieu, Deelrapport van de Volksgezondheid Toekomst. Verkenning 2010 Van gezond naar beter

25% more care with 25% less personel

MST
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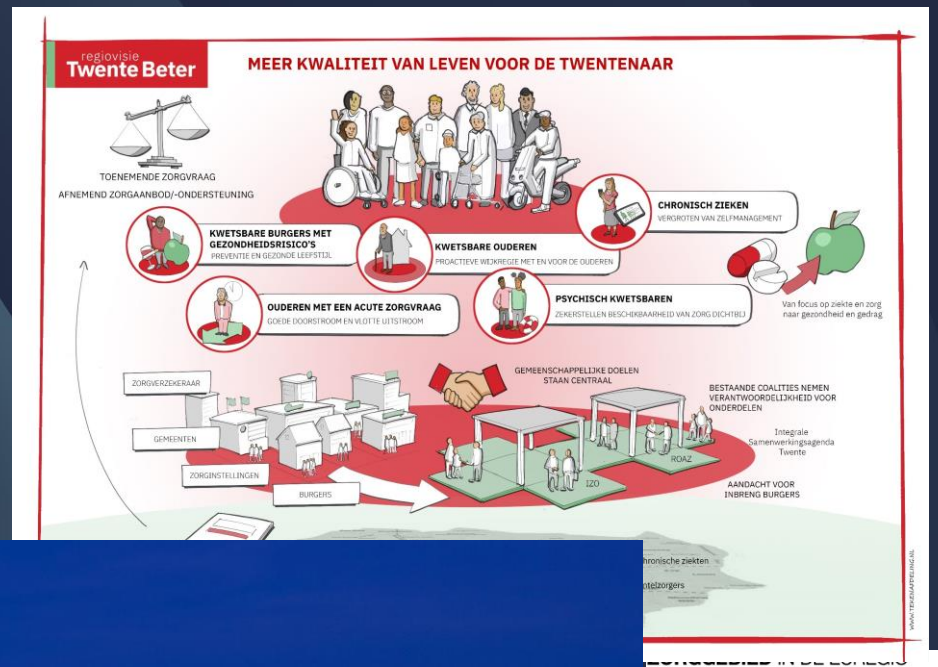
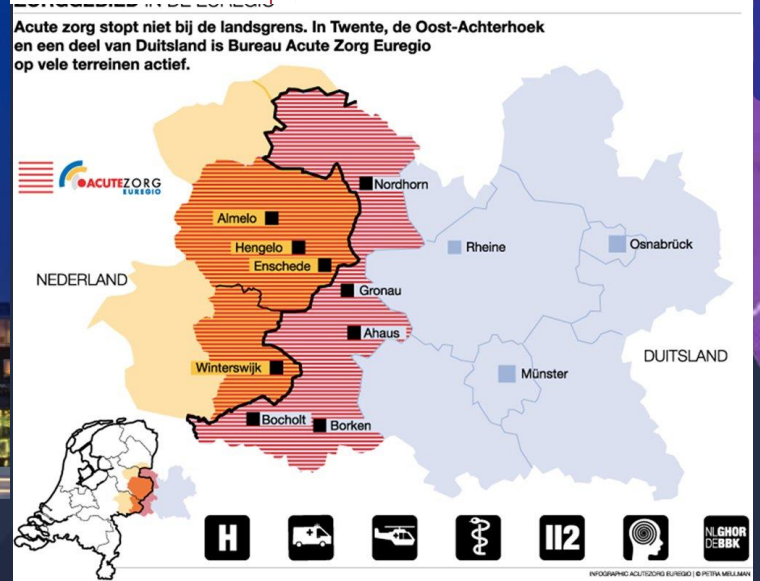
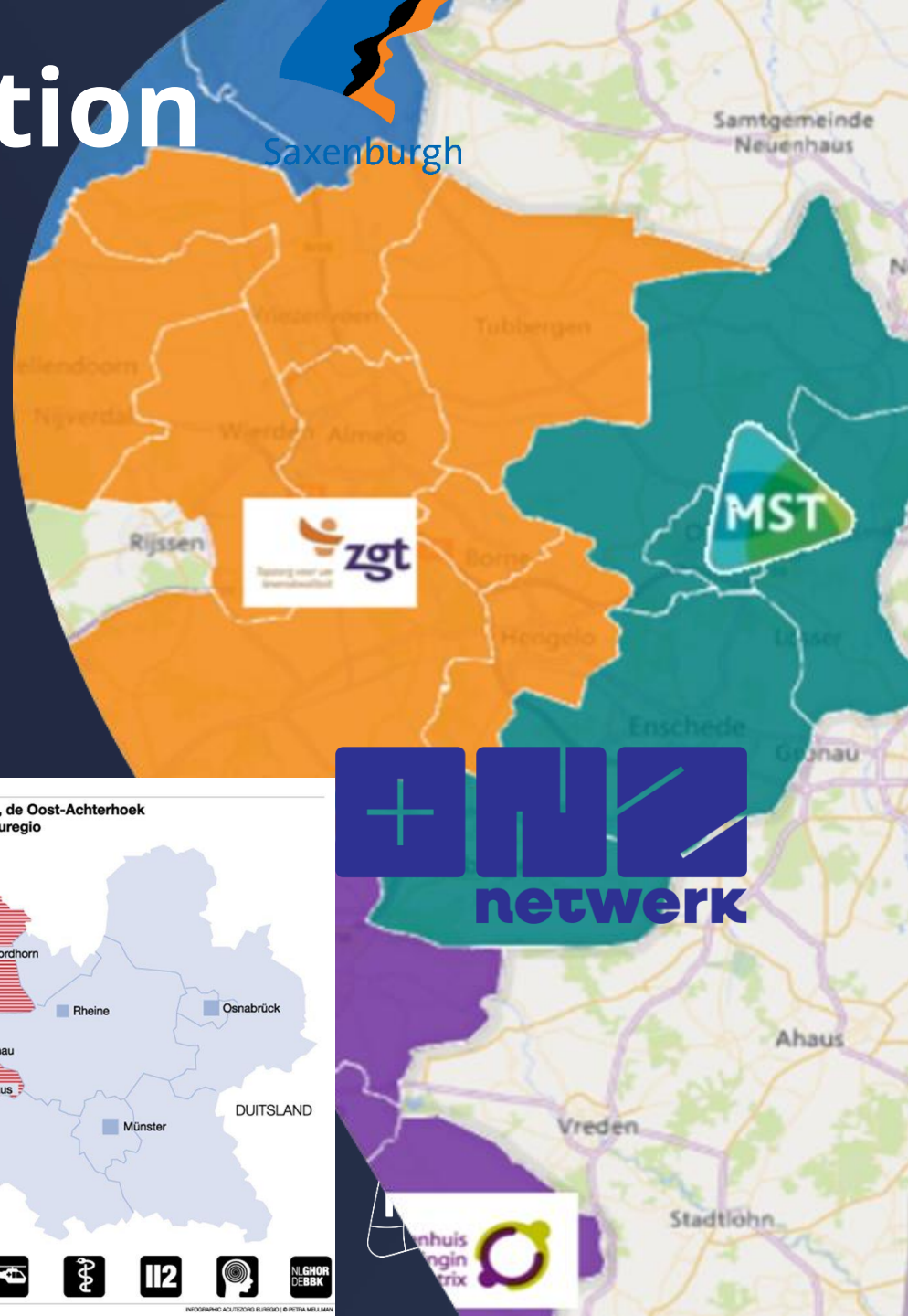
Where are we going to

Health care in collaboration







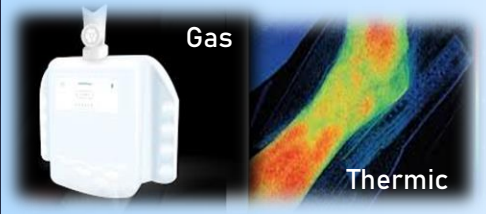
High Tech Centres

Hospital turn in high tech centre for acute care, diagnostics and complex interventions

- Traumacare
- Heart and Vascular Surgery
- Neurology and neurosurgery
- Oncology
- Complex orthopaedic care
- .....

Smaller and flexible in its infrastructure for pandemics and crisis

New diagnostic technologies



Remote monitoring
- Virtual Ward
- Lab on a chip

Data and AI driven administrative support
- Capacity planning
- Reporting

Technology guided surgery
- Imaging,
- Robotics
- 3D planning and visualisation

(Remote) facilities

- Easily accesible, (feel) Nearby
- Medical support is organised around the patient instead of around health care organisations

What does future demand

We’ll need to adapt faster than ever and develop and implement medical technology with a level of speed and efficiency we haven’t seen before.

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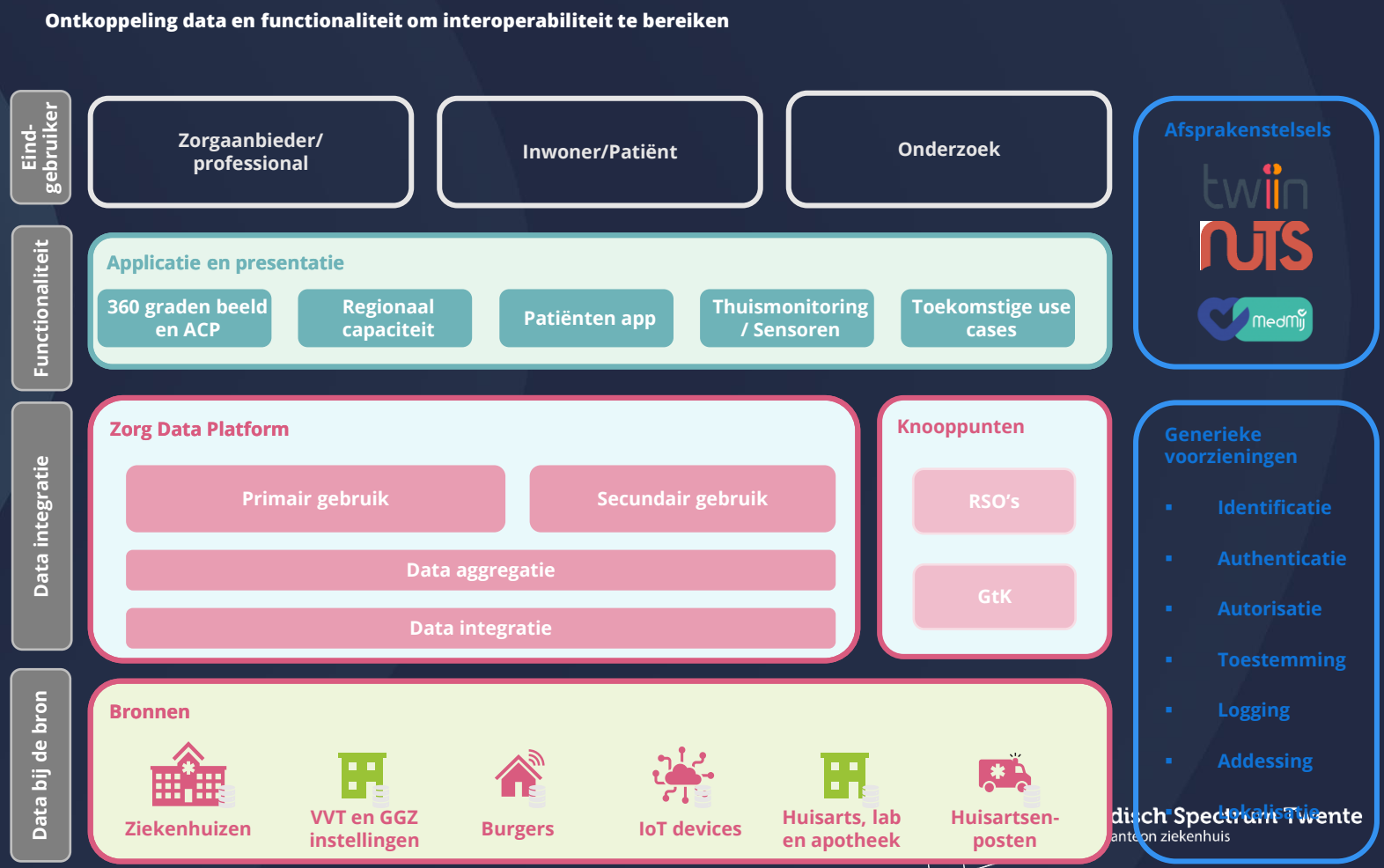
What does future demand

Commitment on the shared vision and jointly targeting our spare capacity in this direction

Data accessibility in health care for primary but also for secondary use being used as foundation for collaboration, science and innovation and acceleration.



What does future demand

- Commitment on the shared vision and jointly targeting our spare capacity in this direction

- Data accessibility in health care for primary but also for secondary use being used as foundation for collaboration, science and innovation and acceleration.

- Asks for an accelerator ecosystem
  - Beyond point solutions
  - No more re-doings
  - Make use of existing infrastructures
  - Connect stakeholders → less fast but with more impact
  - Beyond a focus on ourselves
  - …

Yes we are

We have strong training programs

We are nationwide front runners on data accessibility in health care for primary and can be secondary use.

We have noabership in our DNA

We’re are very experienced in medical technologies we need for future

applications of AI,
remote monitoring
imaging technologies,
lab-on-a-chip
user interaction technology

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Open invitation to come and help our health care forward

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