Estonia

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enter e-estonia

the coolest digital society

https://e-estonia.com/wp-content/uploads/e-estonia-210422_eng-1.pdf

x-road

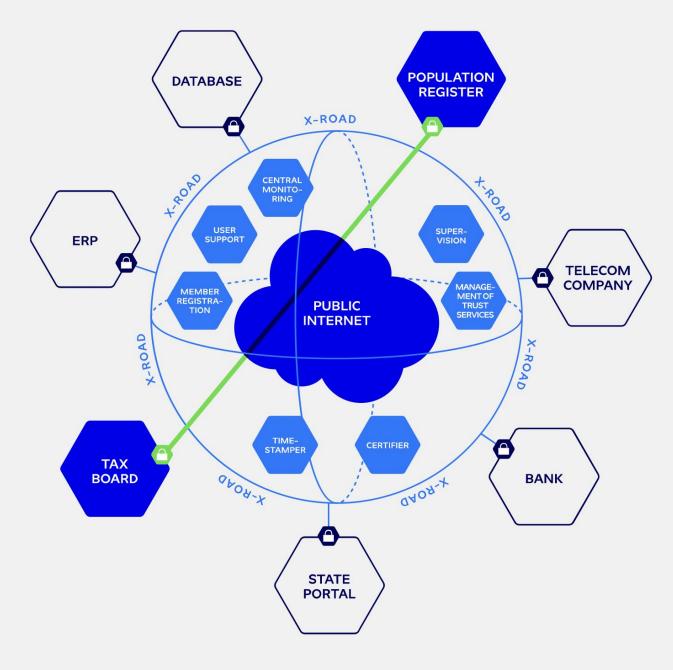
the busiest highway since 2001

X-Road — secure and interoperable open-source data exchange platform

+ operational in Azerbaidjan, Argentina, Cambodia, Colombia, El Salvador, Estonia, Faroe Islands, Finland, Germany, Iceland, Japan, Kyrgyzstan, Vietnam

X-tee - the Estonian X-Road ecosystem since 2001

- + saving 3 million working hours annually
- + over 3,000 different services
- + over 2,5 billion transactions per year

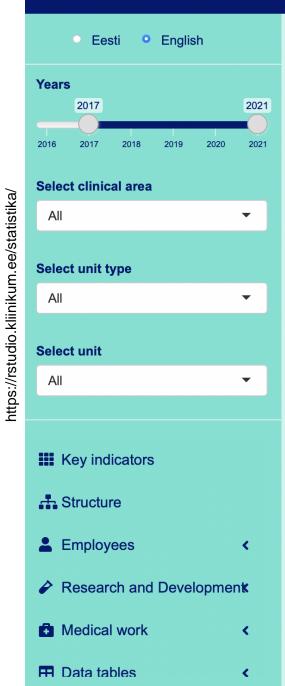


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Dashboard with KPIs from Tartu University Hospital



Tartu University Hospital statistics



| Indiantar | | Evelopetic - | 2024 | Townsh |
|--|-------------------------------|--------------|-------|--------------------------------|
| Indicator | | Explanation | 2021 | Target |
| Medical work | | | | |
| Päevakirurgia osakaal | Proportion of day surgery | 0 | | 70% |
| Operatsioonitubade efektiivsu | Efficiency of operating rooms | • | 70% | ≥ 80% |
| EMOs viibimine > 360 min | Stay in EMO> 360 min | • | 3.1% | < 10% |
| Ambulatoorsed vastuvõtud väljaspool Tartut Outpatient receptions outsi | | tside Tartu | 7.0% | Ajas kasvav trend |
| Haiglatekkesed vereringeinfektsioonid healthcare-associated infections | | ns | 0.7 | < 0.9 |
| Patsiendikogemus Patient experience | | | | |
| Patsientide rahulolu ambulatoorsel vastuvõtul Patient satisfaction in outpatient clinics | | | | ≥ 80% |
| Patsientide rahuolu statsionaaris Patient satisfaction in the hospital | | | 80% | ≥ 80% |
| Patsientide soovitusindeks | Patient recommendation index | 0 | | ≥ 50 |
| Kukkumine haiglas Falling in the hospital | | • | 0.3% | < 0.5% |
| E-konsultatsioonide osakaal | Proportion of e-consultations | 0 | 3.0% | ≥ 25% |
| Meie töötajad Our staff | | | | |
| Töötajate rahulolu Empl | loyee satisfaction | 0 | 91% | ≥ 80% |
| Töötajate soovitusindeks | Employee recommendation index | 0 | 3 | ≥ 50 |
| Arstide koolitused | ledical training | 0 | 40.9 | 60 academic hours per employee |
| Õendustöötajate koolitused | Training for nurses | 0 | 29.2 | 60 academic hours per employee |
| Arstide järelkasv P | ercent of young doctors | 0 | 28.2% | ≥ 25% |
| Öendustöötajate järelkasv | Percent of young nurses | 0 | 45.8% | ≥ 33% |



Patsiendikogemus Patient experience

Patsientide rahulolu ambulatoorsel vastuvõtul Patient satisfaction in outpatient clinics 280%

Patsientide rahuolu statsionaaris Patient satisfaction in the hospital 80% ≥80%

≥ 50

Patsientide soovitusindeks

Patient recommendation index ¹

ACTIONABLE METRICS COMING FROM THE USER OF THE SYSTEM



Mobile eye clinic from East Tallinn Central Hospital



2 Mobile eye clinic

- Aim: To estimate the prevalence and risk factors of myopia among children and youngsters in Estonia
- Developed by ophtalmologists at East Tallinn Central Hospital and Tallinn University of Technology
- Goes to a random sample of schools in Estonia
- Collects data for research regarding causes of myopia
 - Eye examination
 - Questionnaire and diary
 - School based criteria
 - Myopia prevention



Inside the mobile eye clinic





Evidence-based outcome measures at Haapsalu Neurological Rehabilitation Centre



3. Haapsalu Neurological Rehabilitation Centre

- Holistic view on rehabilitation treatment:
 - Function independent method (FIM)
 - Function attentive method, cognitive (FAM)
 - Specialists meet the patient in teams, not one by one
 - BI software and local software to analyse
 - current bed occupancy, current, past and future financial goals
 - waiting list, feedback from patients and employees
- Under development: System to measure patient activity outside therapeutic treatment



Our take home message

Having a system that collects a lot of data automatically enables many posibilities. By collecting data you can analyse and make informed decisions.

To use information from data analysis in its maximum the management needs to be ready and open to change.



"Without data you're just another person with an opinion."

> - W. Edwards Deming, Data Scientist