



# eHealth initiatives in Estonia

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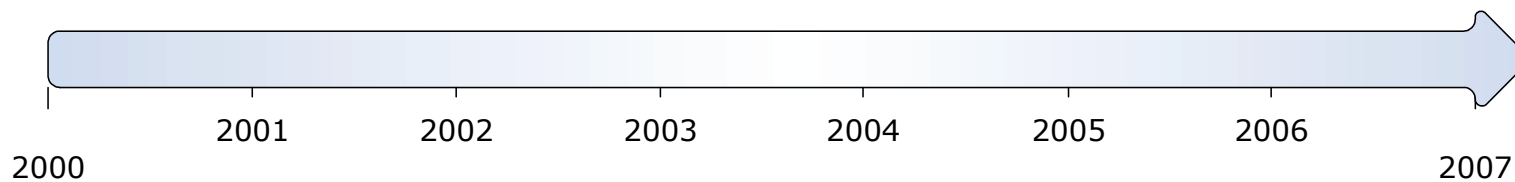
# eHealth initiatives in Estonia

Tartu University Hospital - Flagship of Estonian medicine

Digital health record

eHL – Digital patient record system

PAS - Central system  
of GPs



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# Digital health record

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Tartu University Hospital - Flagship of Estonian medicine

- Essence
  - National project
  - Draws together essential medical information and passes it on to the relevant parties
  - Time-critical medical information
  - Reference register
- Challenge
  - Involve large number of parties
  - Ethical issues and legal arena
- Timeline 2002-2007
  - Vision 2002, Pilot 2004-2005, 80% of parties connected 2007
- Project leader
  - Ministry of Social Affairs, [www.sm.ee](http://www.sm.ee)

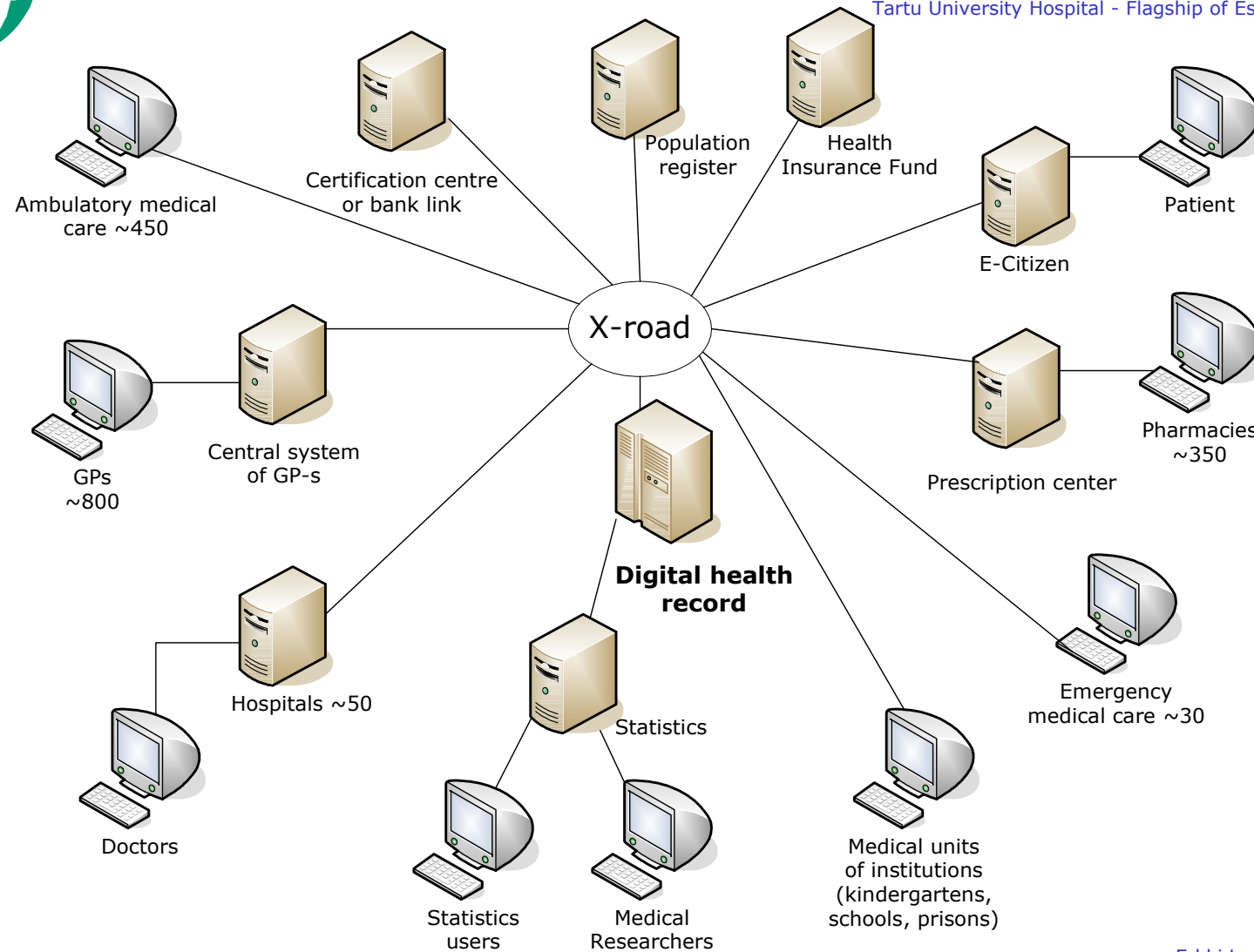
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# Parties to the HIS

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# Digital patient record system - eHL

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Tartu University Hospital - Flagship of Estonian medicine

- Essence
  - Complex medical information system for large hospital (3000 employees)
  - Started from scratch
- Challenge
  - Doctor-friendly environment
  - Well documented and flexible IT environment
- Timeline 2001-2004
  - Vision 2001-2002, IT development 2003, main functionality 2004
- Project leader
  - Tartu University Hospital, [www.kliinikum.ee/eHL](http://www.kliinikum.ee/eHL)

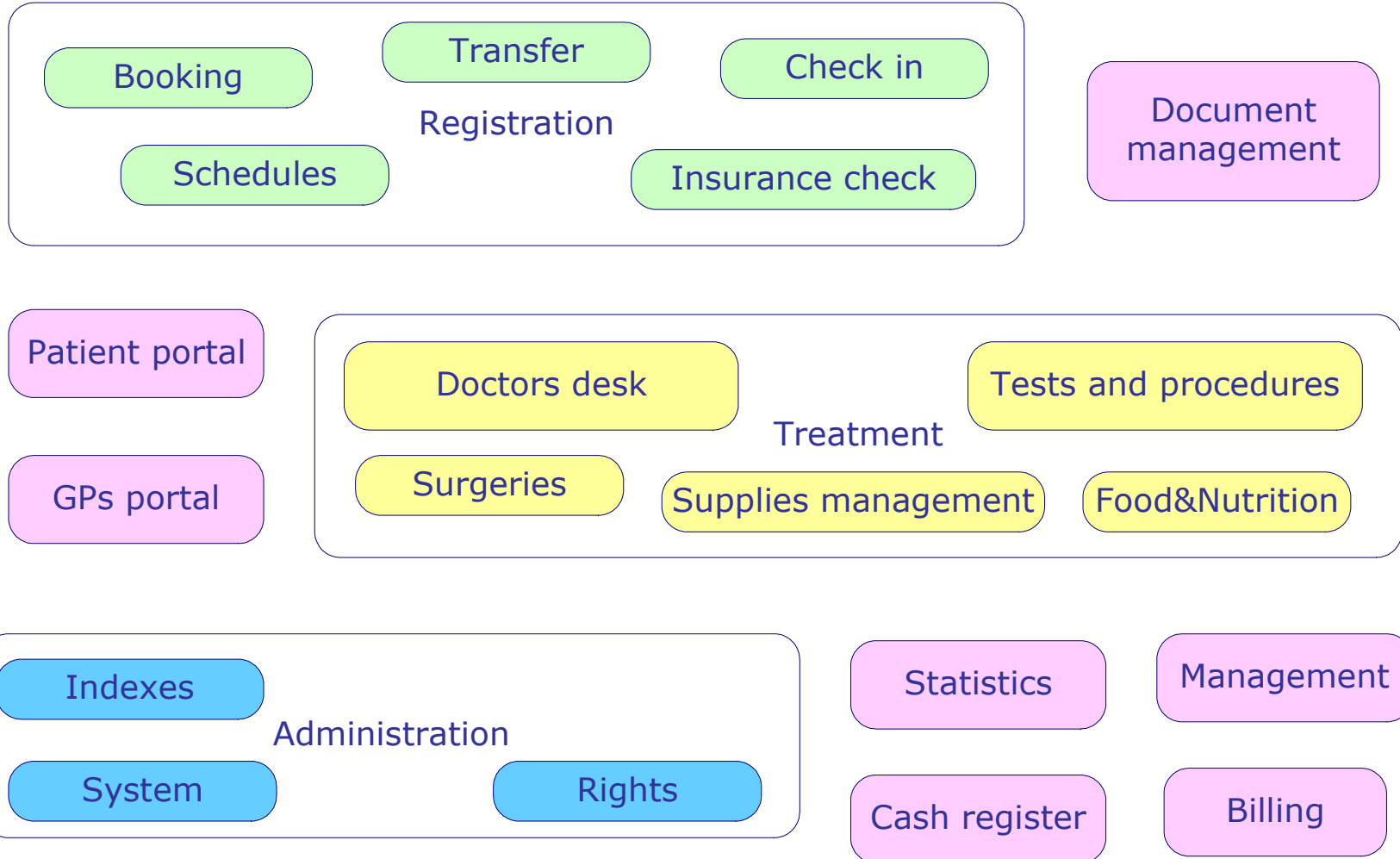
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# eHL - modules

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# eHL – look

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**Vastuvõtuaegade vaatamine**

Ambulatoorne > Broneerimine > Uus broneering > Vastuvõtuaegade otsimine > Vastuvõtuaegade vaatamine

**Otsingukriteeriumid (BR2.6.2.1 - v4.00)**

**Vastuvõtuaegade nimekiri (BR2.6.2.1 - v4.00)**

Korduv aeg       Vaba tasuta aeg  
 Tasuline aeg       Kinnine aeg

Vastuvõtja	Vastuvõtuajad					
E 12.12.2003						
Spitomeeter, Peeter	12:00	12:10	12:20	12:30	12:40	12:50
	13:00	13:10	13:20	13:30	13:40	13:50
	14:00	14:10	14:20	14:30	14:40	14:50
	15:00	15:10	15:20	15:30	15:40	15:50
	16:00	16:10	16:20	16:30	16:40	16:50
	17:00	17:10	17:20	17:30	17:40	17:50
	Murakas, Kati	12:00	12:10	12:20	12:30	12:40
13:00		13:10	13:20	13:30	13:40	13:50
14:00		14:10	14:20	14:30	14:40	14:50
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	14:00	14:10	14:20	14:30	14:40	14:50
	15:00	15:10	15:20	15:30	15:40	15:50
	16:00	16:10	16:20	16:30	16:40	16:50
	17:00	17:10	17:20	17:30	17:40	17:50

« Esimene < Eelmine 1 2 3 4 5 6 7 8 9 10 11 Järgmine > Viimane »

Tagasi

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• Outpatient registration

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# Central system of GPs

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Tartu University Hospital - Flagship of Estonian medicine

- Essence
  - Central system for GPs – replaces local information systems
  - Patient registration for all involved doctors
  - Health portal for patients
- Challenge
  - To involve majority of GPs (800)
  - Connection to other parties
- Timeline 2002-2004
  - Vision 2002, IT development 2003, main functionality 2004
- Project leader
  - The Estonian Society of Family Doctors

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# Central system of GPs - look

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**MINU PATSIENDID** **KALENDER** **VAKTSINEERIMISED** **ARUANDLUS** **SEADISTUS**



**SIDRUNI  
PEREARSTIKESKUS**



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## Minu töölaud

### Patsiendi otsing

Nimi: \_\_\_\_\_ Isikukood: \_\_\_\_\_ **OTSI »**

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#### Tänased patsiendid

Kell	Patsient	Põhjus
12.00	<a href="#">Elmar Patsient</a>	Korduv visiit
12.15	<a href="#">Jaanika Patsient</a>	Tugevad peavalud, vasak silm ei näe
12.30	<a href="#">Silver-Jõmmu Patsient</a>	Varvas tuli ära

#### Saabunud uuringutulemused

Kuupäev	Patsient	Uuring	Kust saabus	Arsti nimi
<input type="checkbox"/> 12.03.2003	<a href="#">Elmar Patsient</a>	<a href="#">Lorem ipsum igantser lapsinga</a>	Nõmme polikliinik	Siiri Arst
<input type="checkbox"/> 15.03.2003	<a href="#">Jaanika Patsient</a>	<a href="#">Lorem ipsum igantser lapsinga</a>	Keskhaigla	Laura Tohter
<input type="checkbox"/> 16.03.2003	<a href="#">Silver-Jõmmu Patsient</a>	<a href="#">Lorem ipsum igantser lapsinga</a>	Maarjamõisa haigla	Meigo Velsker

**LIIDA VALITUD KAUSTADESSE**

#### Erakorralised patsiendid

Kell	Patsient	Põhjus
12.00	<a href="#">Elmar Patsient</a>	Korduv visiit
12.15	<a href="#">Jaanika Patsient</a>	Tugevad peavalud, vasak silm ei näe
12.30	<a href="#">Silver-Jõmmu Patsient</a>	Varvas tuli ära

#### Teated

Kuupäev	Teade
12.03.2003	Nimistusse lisandunud patsient <a href="#">Jaanika Patsient</a>
15.03.2003	Patsient <a href="#">Kalle Patsient</a> on surnud
16.03.2003	Süsteemi kasutaja <a href="#">Siiri Õde</a> palub ligipääsu <a href="#">Malle Patsient</a> patsiendikaustale

## •Doctor's desk

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# Other eHealth activities

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Tartu University Hospital - Flagship of Estonian medicine

- Health Insurance Fund
  - Bills of health care services are submitted electronically (2000)
- Medicum (Private outpatient clinic)
  - Access to medical info and registration via web using Estonian ID card (2003)
- ePrescription
  - Digital data exchange between physicians and pharmacies (pilot since 2002)

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# Conclusion

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Tartu University Hospital - Flagship of Estonian medicine

- High activity in eHealth since 2002
- Three major initiatives
  - Digital health record
  - Digital patient record system
  - Central system for GPs
- All initiatives complement each other
- Many interesting challenges ahead

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