



eHealth
week

11 - 13 MAY 2015
RIGA, LATVIA

ORGANISED BY

Ministry of Health
of the Republic of Latvia



BUILDING A HOSPITAL INFORMATION SYSTEM ARCHITECTURE

A Portuguese experience

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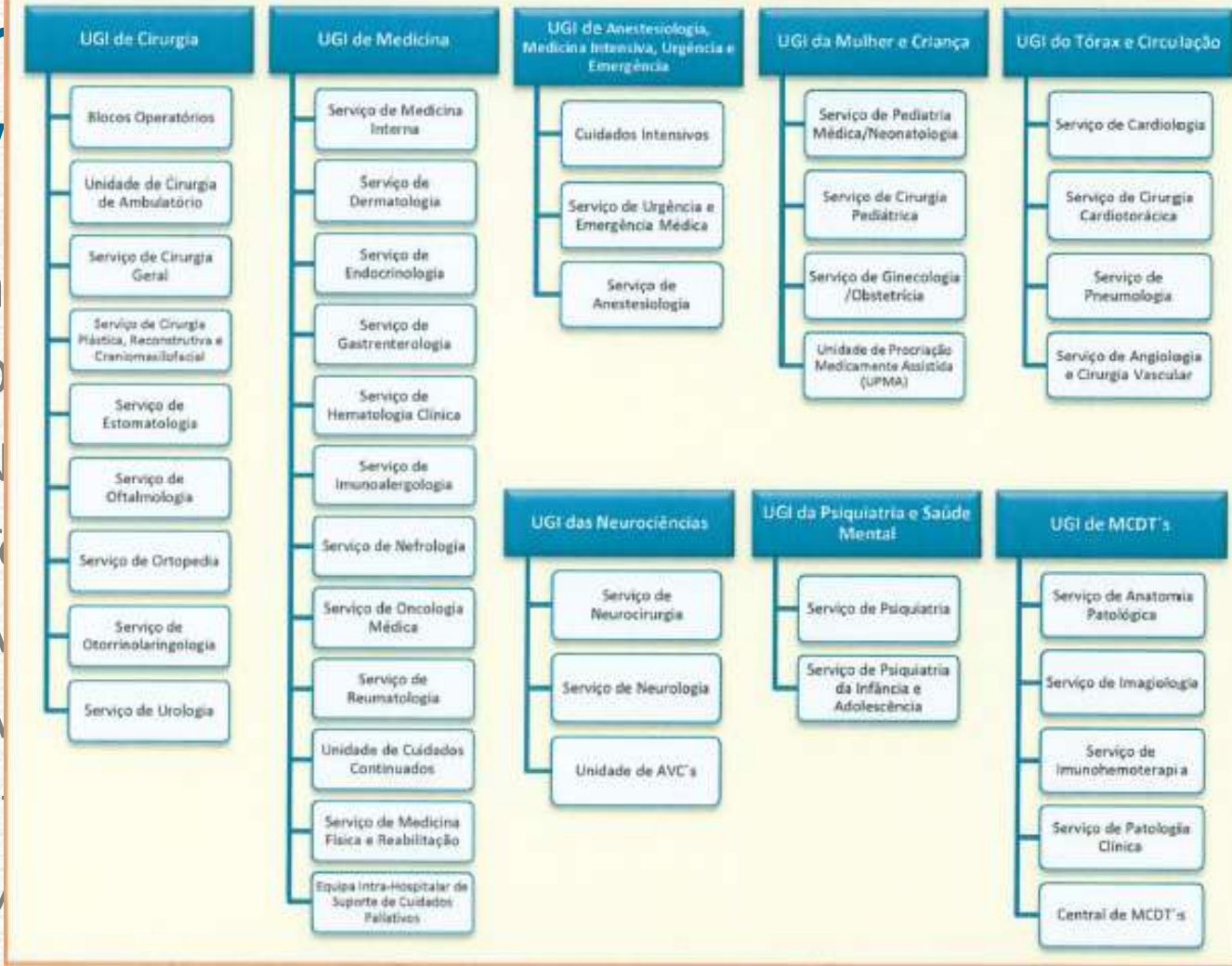
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Prestação de Cuidados



Vila

es

467.691

176.573

10.499

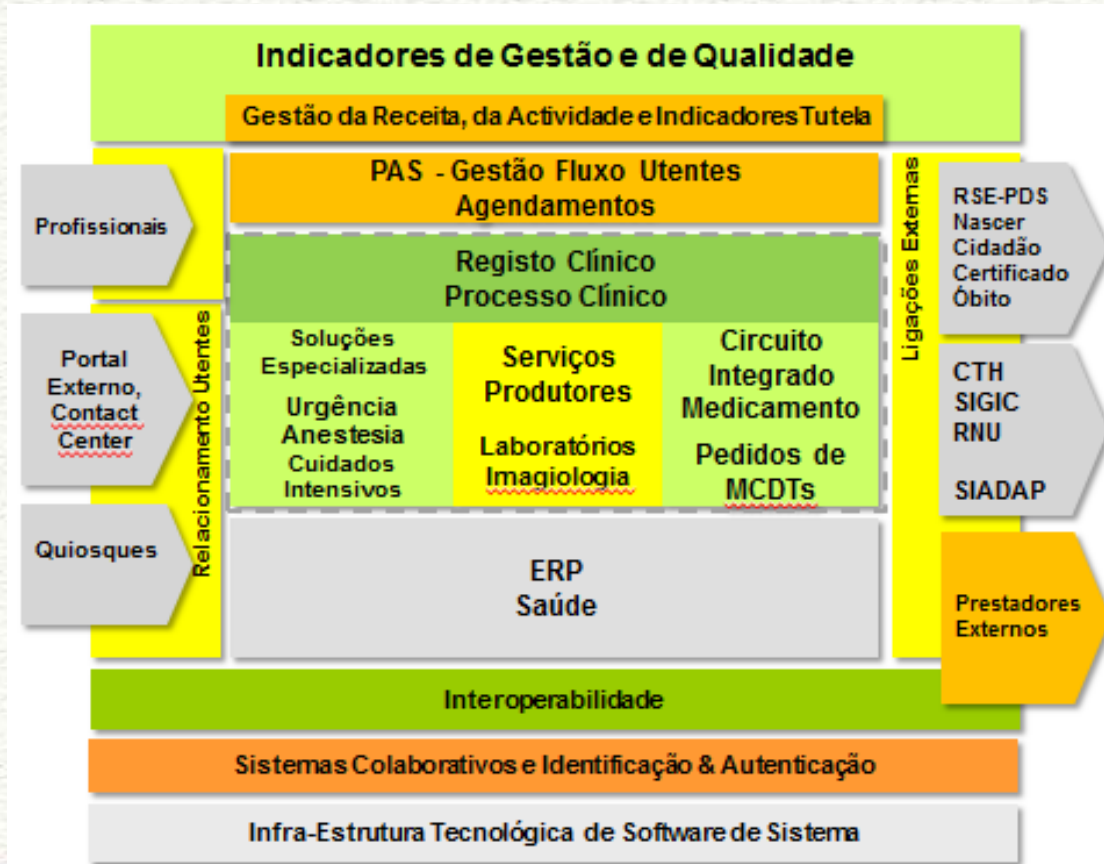
11.731

24.464

570

1.1970


From 2007 till 2011 we evolve from HIMSS stages 1 to 5 (not yet official)





Still we face important challenges to attain and overcome

- Centralized Scheduling of clinical acts like consultations and Exams
- A Patient Administration System based on a very old database. Oracle 7.3, without any support of WebService or HL7 interoperability
- Patient Identifier Cross Reference (PIX) IHE profile. Changes at the patient state are not automatically reflected in all systems



Still we face important challenges to attain and overcome

- Security is an issue:
 - We need to introduce strong mechanisms like smart tokens for authentication and other security services
 - Privacy requirements and attributes need to be harmonized between different authorities
 - Business Continuity is not support in a IT disaster recovery plan as it should



Still we face important challenges to attain and overcome

- In organization terms, the obvious mixing and performance dependence, between the IT Function and the Health Equipment's function, is not yet recognized, as it should, under the same organization unit that could be called Health Technology Department
- At national level I feel IT Function is already considered essential to healthcare day to day operations. Though there is space to improve governance and management maturity



THANK YOU

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Domingos Pereira

Building a hospital information system
architecture, a Portuguese experience

domingos.pereira@chvng.min-saude.pt

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