



# **ORACLE HEALTHCARE INTEROPERABILITY BLUEPRINT**

*A framework to address today's healthcare interoperability challenges  
and build the next generation of eHealth solutions*

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**ORACLE<sup>®</sup>**  
**HEALTHCARE**

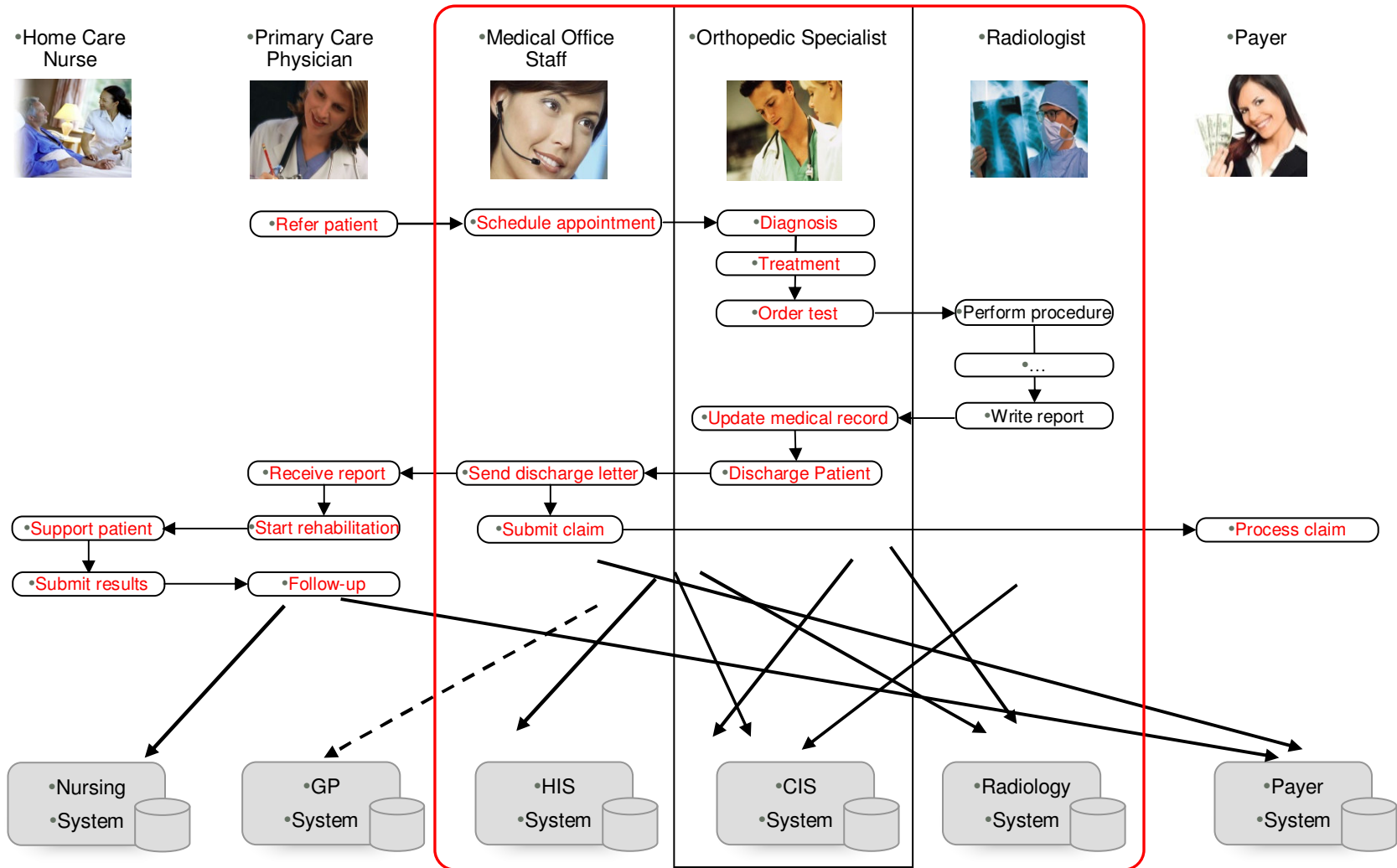
# Agenda

- Necessity for interoperability
- Interoperability blueprint
  - Open, standards based and integrated
  - Oracle Health blueprint
- Examples of blueprint



# Healthcare Interoperability

## Clinical IT Reality





# How to go about Interoperability in Healthcare?

What's necessary is a consistent, structured, and scalable approach to address the different layers of Healthcare Interoperability\*, namely:

- **Technical Interoperability**

Ensure that a piece of information goes from point A to point B

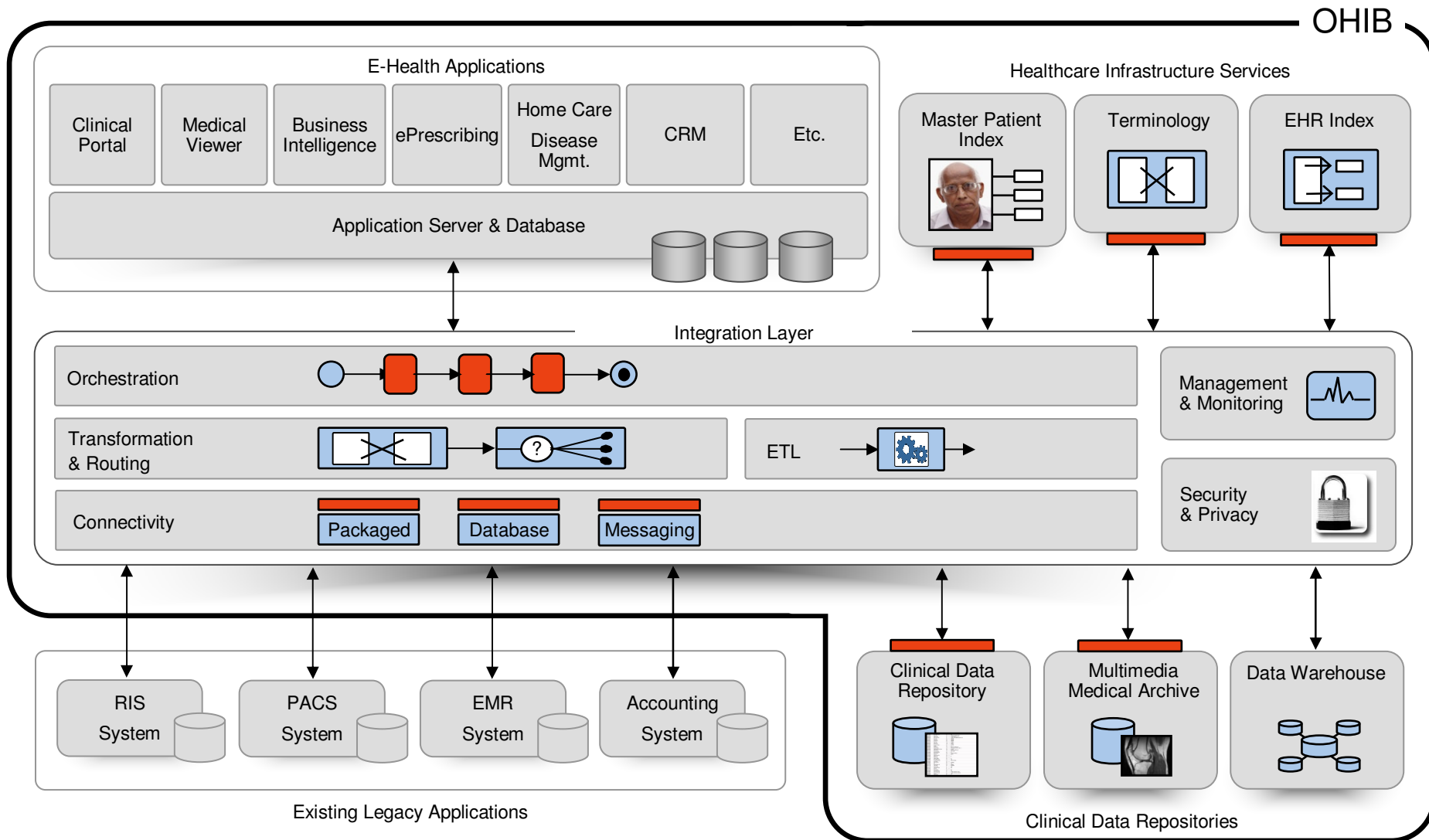
- **Semantic Interoperability**

Ensure that a piece of information created by system A is understood in the same way by system B

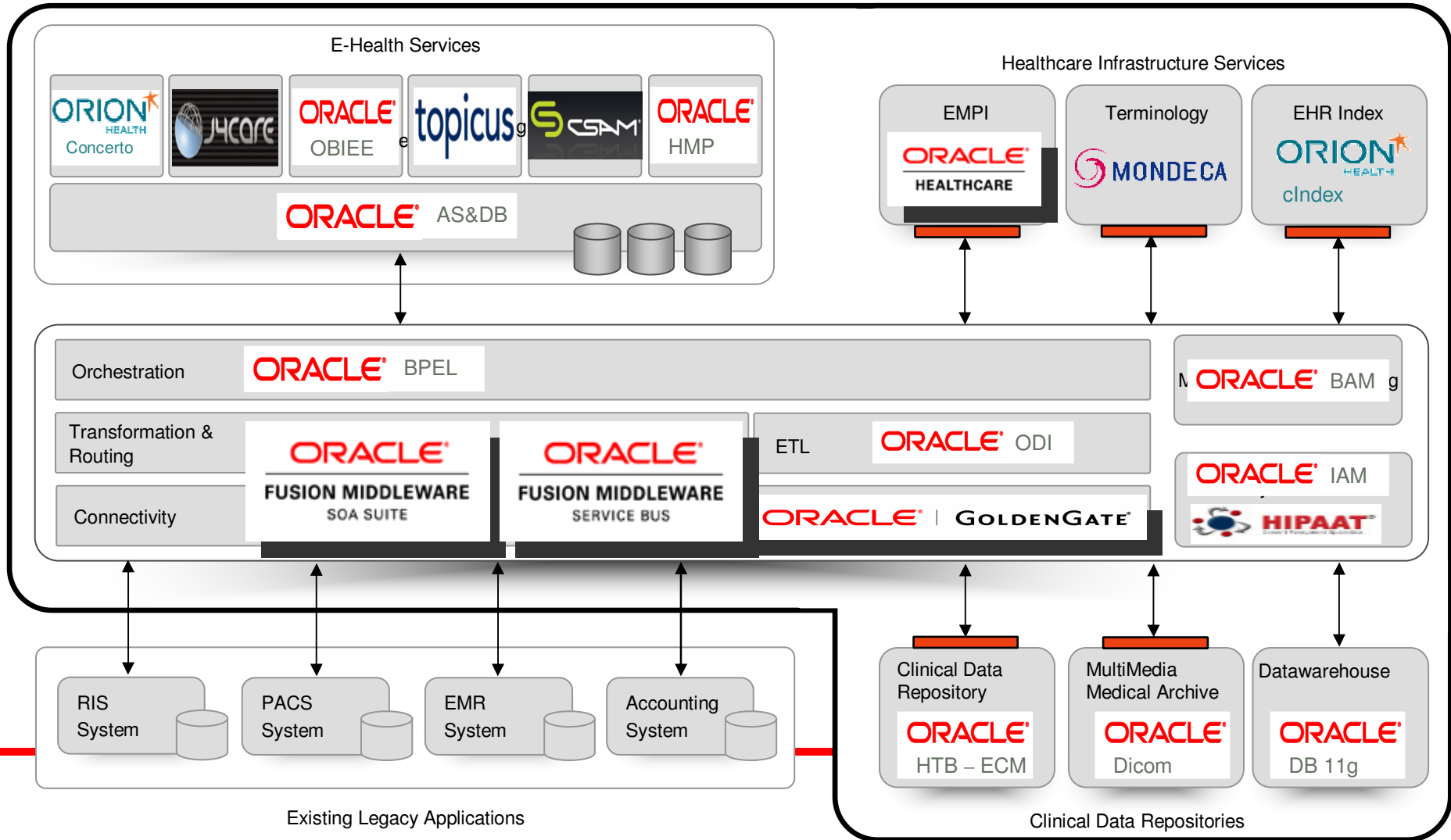
- **Process Interoperability**

Enabling the business processes at the organizations that house system A and system B to work together

# eHealth Interoperability Blueprint



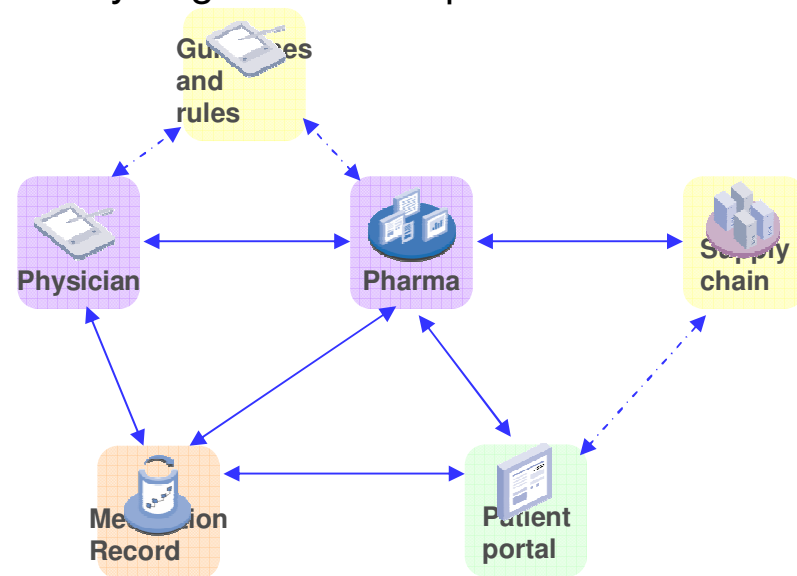
# Oracle Healthcare Interoperability Blueprint



# Case study: E-Prescription in The Netherlands

- Customer overview
  - Over 2000 GP's & pharmacists
  - All over the country
- Needs and opportunities
  - Complete E-prescription
  - Improved communication & exchange between providers to prevent wrong medications
- Solution
  - SaaS solution for GP's and pharmacists as well as patients
  - Covering the entire e-prescription process including
    - decision support,
    - financials,
    - EMR,
    - patient portal and
    - stock management
    - E-prescription messaging service

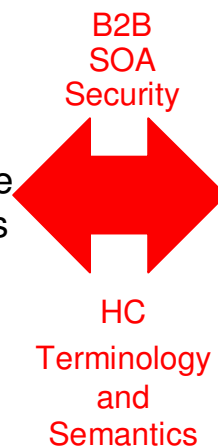
- Results
  - SaaS solution online since 2004
  - > 10 Million e-prescriptions handled per year
  - Patient portal for > 5.000 patients and growing fast
  - Nr of GP's participating continuously growing
  - E-prescription messaging service by largest telecom operator



# Case study: EHR/PHR in Czech Republic



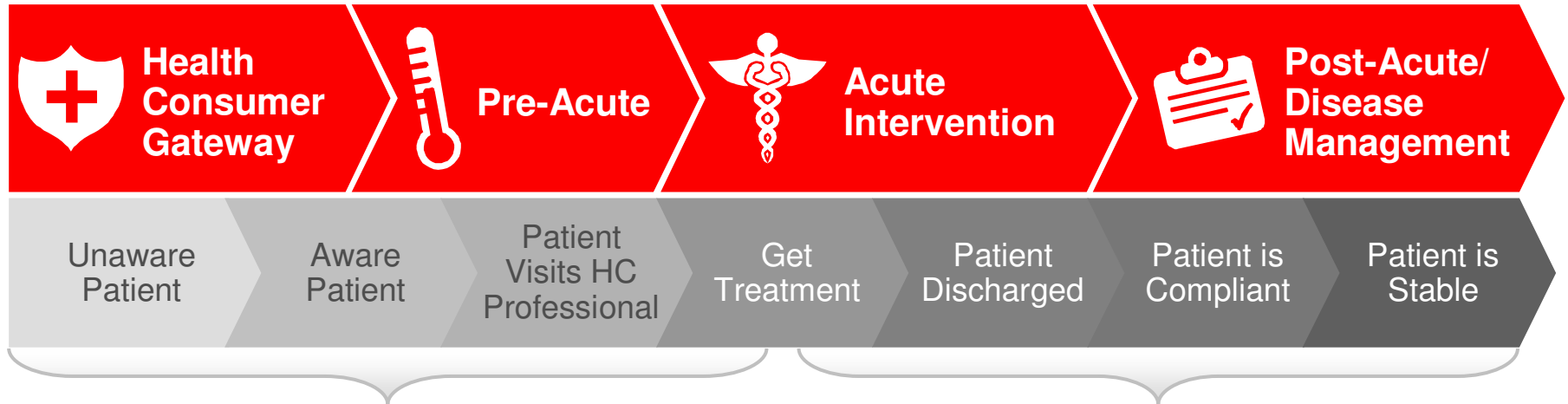
- VZP is the largest public healthcare payor in CZ, with 6.5m insurees and 15 year of existence
- Integration with health providers
  - Extend possibilities for information exchange between Health insurance and their partners
  - Provide tool for on-line information access
  - Provide tool for on-line eligibility check to avoid fraud
  - Decrease human intervention into process
  - Avoid mistake during data retyping
  - Decrease time of processing



- IZIP as (primary) partner to increase the membership, awareness and quality of service and data management
- National electronic patient-centered health record (EPHR) system that provides an access to and the exchange of comprehensive medical and related information between, patients, health insurance companies, and health care professionals and HPOs

# Case study: Health Management Platform

## Focus: Chronic disease management / Patient Care Cycle



- Identifying, stratifying and targeting patients
- Attracting patients
- Improving administrative processes to
  - Improve utilisation of resources
  - Help Patients get treatment
  - Improve patient experience
- Support after discharge
- Adherence
- Patient monitoring
- Supporting patient behavior modification



Northumbria Healthcare **NHS**  
NHS Foundation Trust

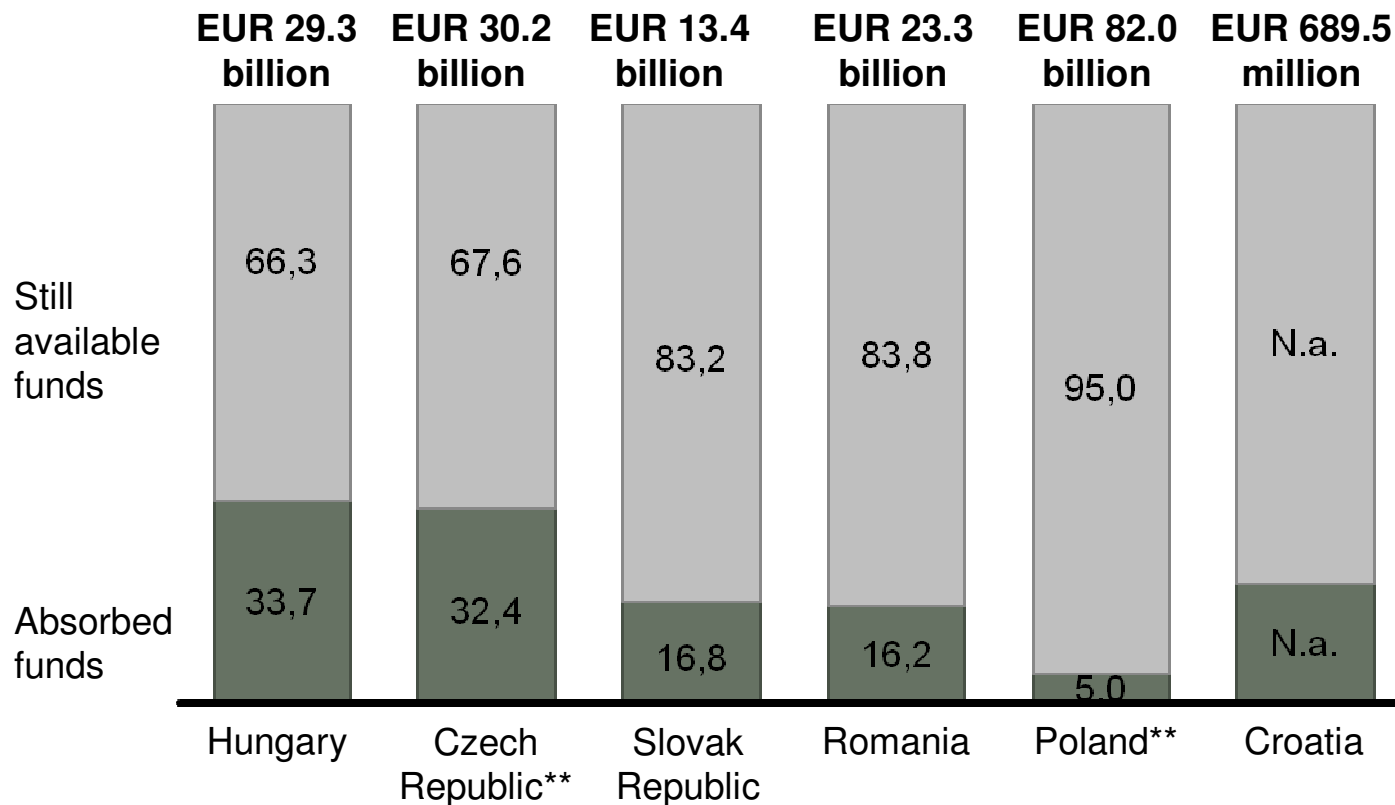
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# Absorption rates of EU fund based programs in the region till June, 2009\*

*Different levels of EU fund absorption in the focus countries allow for best practice sharing and generating projects based on proven examples*

## Absorption rates of EU fund based development programs (%)



- There are significant differences among the absorption rates in the region
- Hungary and Czech Republic could be the main source of sharable best practices in the peer group
- EU fund absorption is not published in Croatia