



## The Portuguese health care system



## JOINT ACTION HEALTH WORKFORCE Lisbon - June 18<sup>th</sup> 2014

Rui Santos Ivo







## Agenda

- 1. The Portuguese Health System
- 2. Ministry of Health and ACSS
- 3. HR Management
  - Planning Process
  - Planning Tools available
- 4. Tools and planning models under development
  - Strategic Plans
  - Prospective Tool for Scenarios analysis
- 5. Central Information System and Health Professional Portal
- 6. SIGPS Integrated System of Planning





## Characterization of the Portuguese Health System



A National Health Service (NHS)

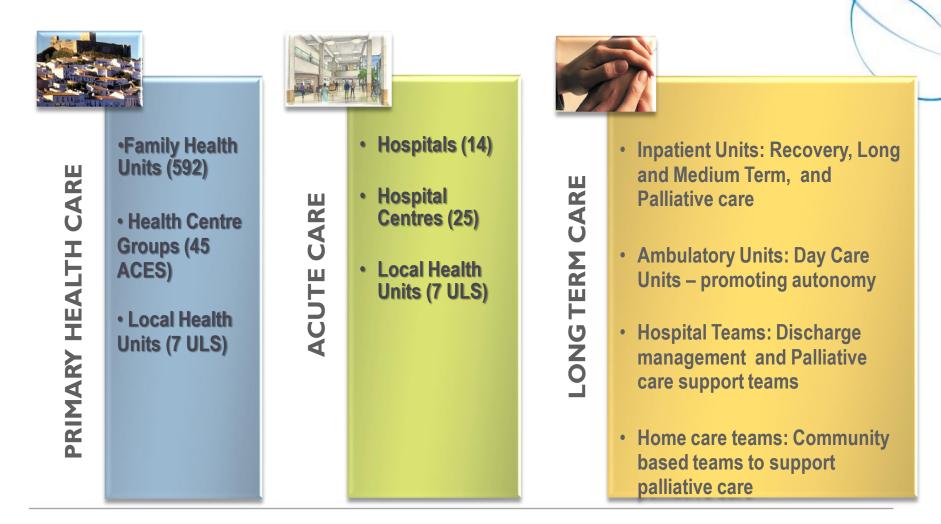
- Public and of Universal Coverage (Madeira and Azores have their own autonomy)

- Health subsystems: special social health insurance schemes for certain professions (mainly for non NHS providers)
- **Complementary voluntary private health insurance**





## **National Health System Organization**

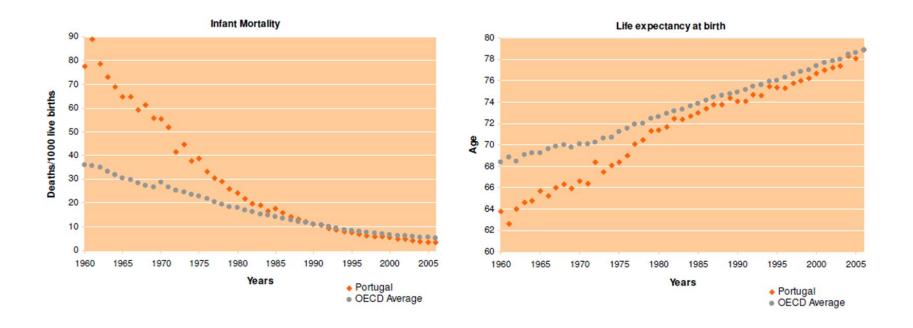






## **Health Status**

There have been significant improvements in measures of population health status and in health care outcomes



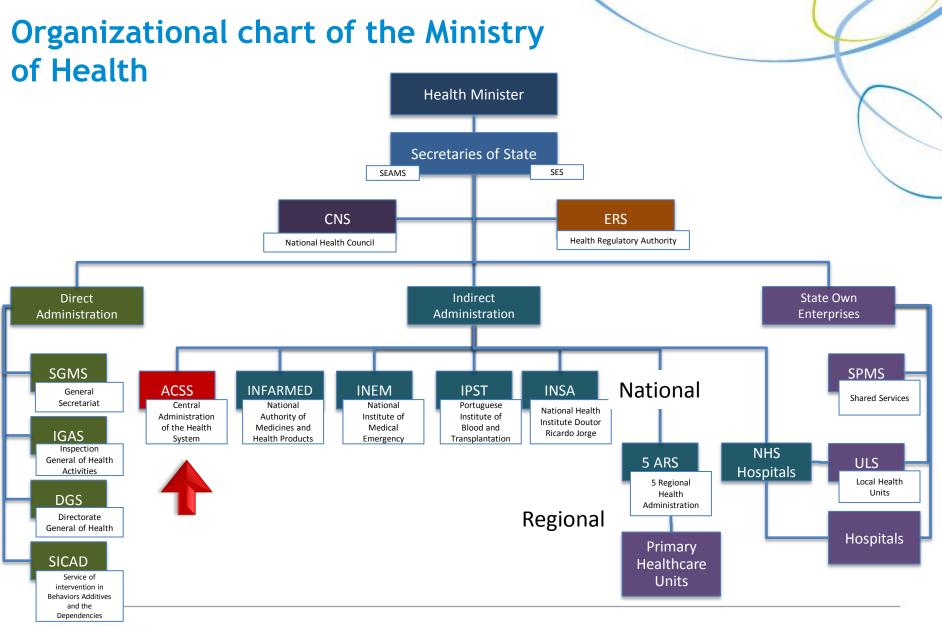




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## **Generals Roles**

### **Ministry of Health**

MINISTÉRIO DA SAÚDE



Formulation, implementation, monitoring and evaluation of health policies
Regulation, planning, funding, guidance, monitoring, evaluation, audit and inspection of the NHS

### **Central Administration of the Health System**



- Coordination, planning and evaluation & control
- Financial services and human resources management, infrastructure and equipment
- Improving the quality of health care providers
- Definition and implementation of health services policies, standards and planning

### **Regional Health Administrations (ARS)**





ars

- Development and promotion of public health activities, to ensure the protection and promotion of population health



PARS

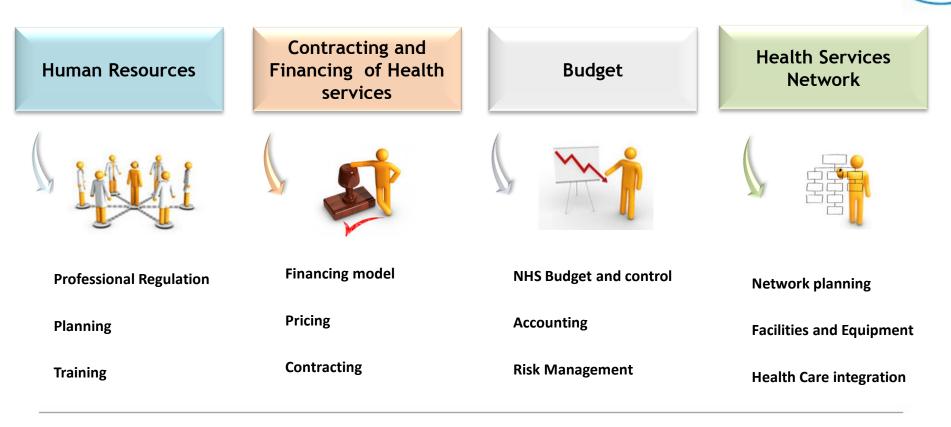
- Allocation of financial resources to the NHS institutions and services, through negotiation, implementation and monitoring of contracts





## Central Administration of Health System ACSS

### Main areas of activity

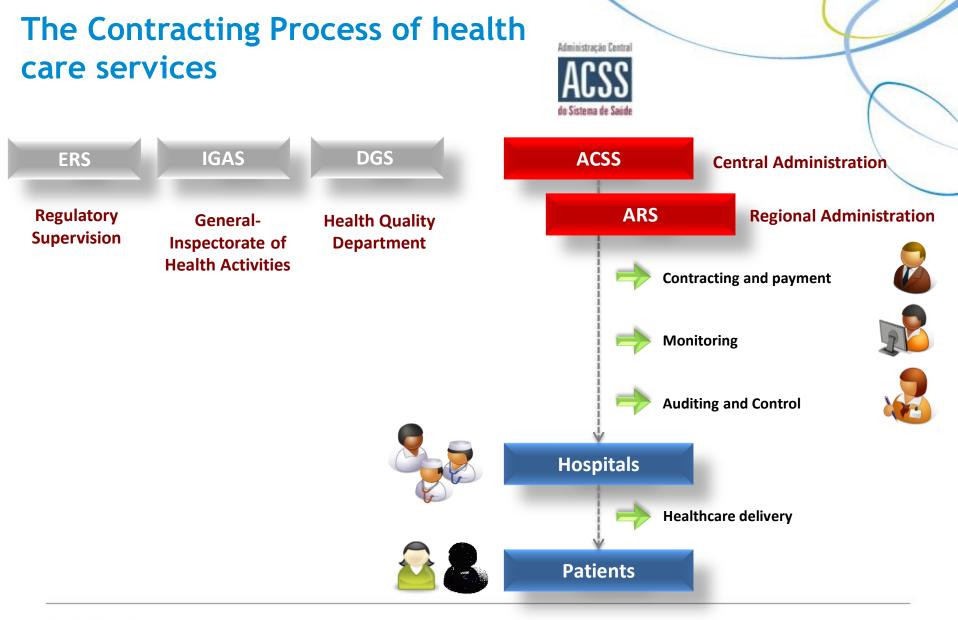






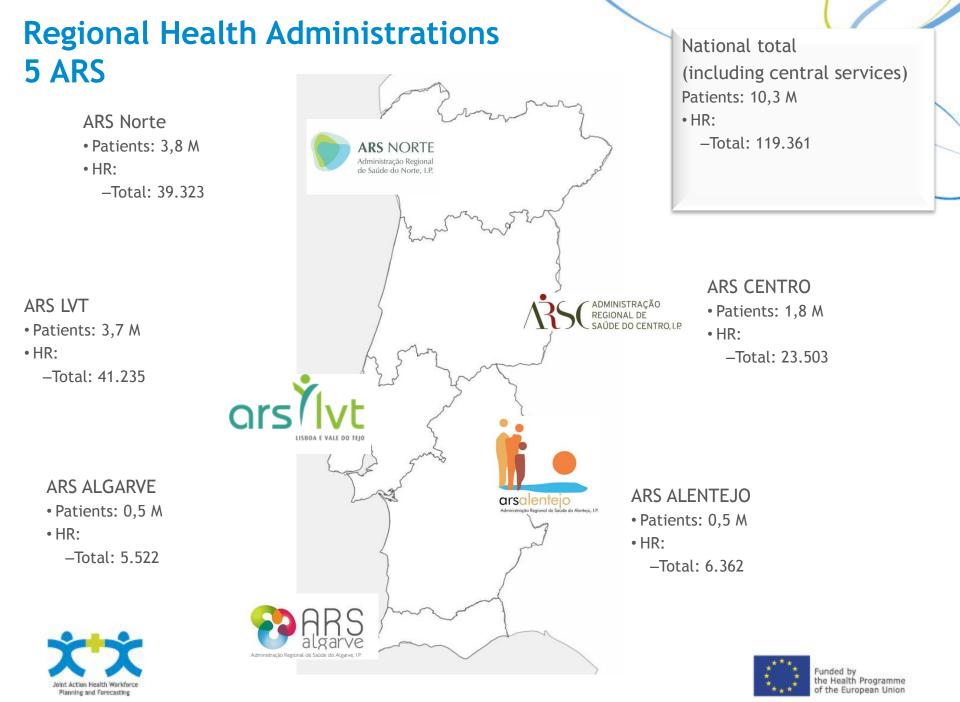
Administração Central

do Sistema de Saúde





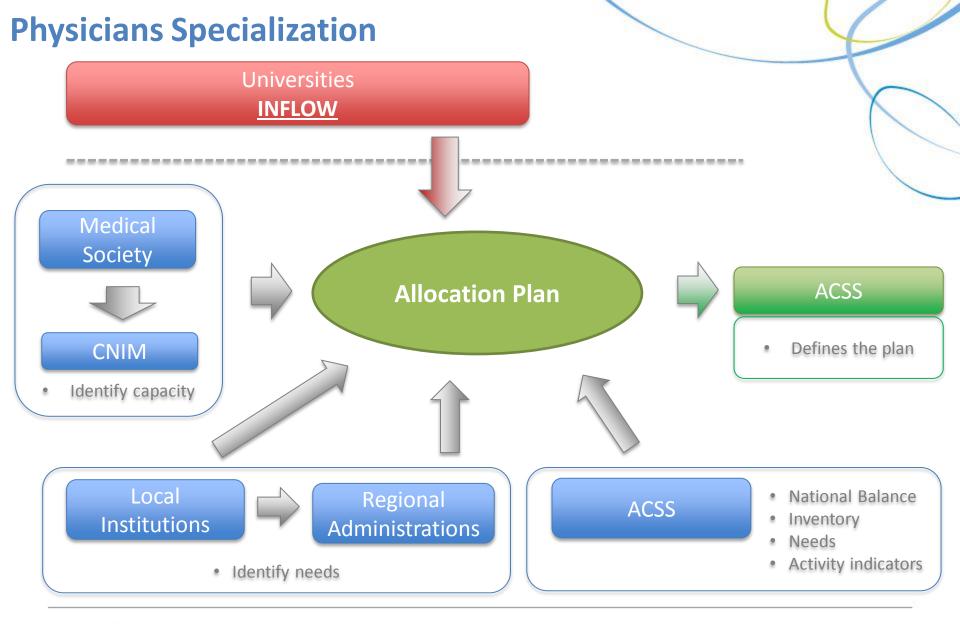




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## Planning processes implemented

### **Physicians**

Management of medical internship

- First year (without specialty)
- National definition of share of vacancies available;
- Definition of formative capability that each orgazination offer to Public procurement. This work is performed by *Conselho Nacional do Internato Médico and Ordem dos Médicos*;
- Regional definition of share of vacancies available;
- Distribution of number of vacancies by SNS organizations. The strategic goal is to provide vacancies in regions where needs in health care are most urgent.





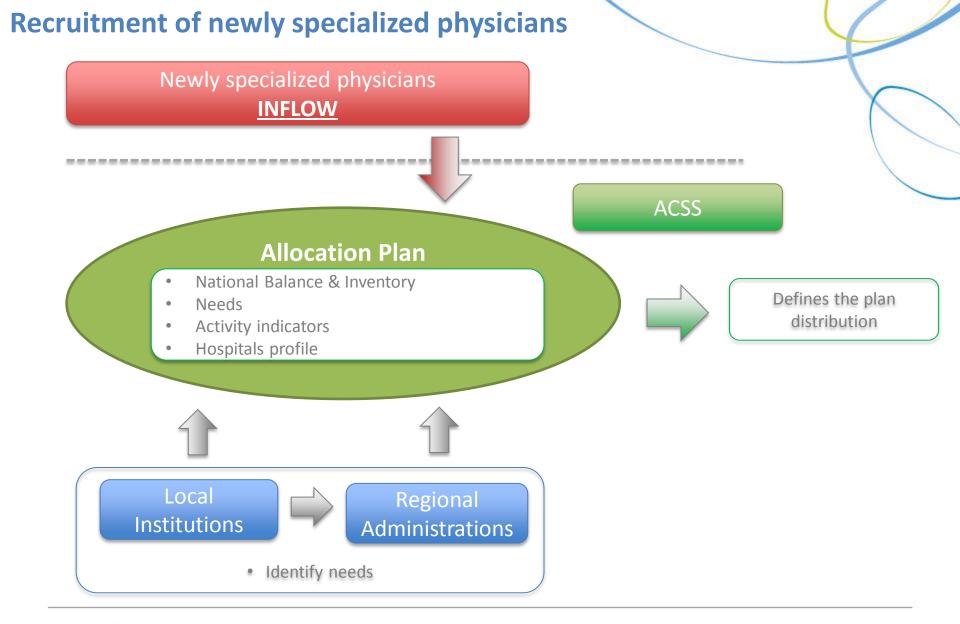
## Planning processes implemented

### **Physicians**

- Second (first year of specialty): Principles
- National Health Plan Document that supports the national strategic goals in health care;
- National definition of share of vacancies available;
- Definition of formative capabilities, by speciality, for each organization to offer to public procurement. This work is also performed by *Conselho Nacional do Internato Médico and Ordem dos Médicos*;
- Regional definition of share of vacancies available;
- Organizational definition of most urgent specialties.











## Planning processes implemented

### <u>Nurses</u>

Patient Classification System based on Dependency of Nursing Care (PCS/N) application has the following goals:

- To optimise the number of nurses available
- To plan the delivery of nursing care
- To identify the needs in terms of nurses staff
- To adjust the allocation of the hospital staff







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# Instruments to support HR management and planning

- Social Balance Repertory of the Portuguese Health Ministry
- Health Sector Human Resources Inventory
- Current and Future Needs of Physicians (NHS)
- Monthly reports on evolution and characterization of human resources
- Benchmarking

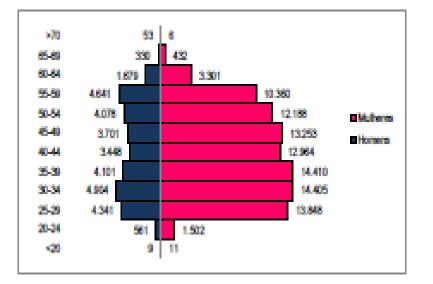




## Social Balance Repertory of the Portuguese Health Ministry



### Gráfico 9 - Pirâmide etária dos trabalhadores





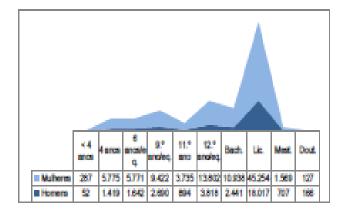
Example Graph Workers Age & Sex distribution





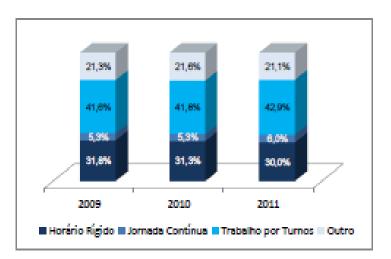
## Social Balance Repertory of the Portuguese Health Ministry

Gráfico 11 – Trabalhadores por nível de escolaridade segundo o género



Example Graph Workers Education Level

### Gráfico 16 – Evolução das modalidades de horário de trabalho



- Example Graph Distribution of
- workers by work schedule





Funded by the Health Programme of the European Union

## Health Sector Human Resources Inventory



#### Quadro 2: Total de médicos do SNS (pessoas)

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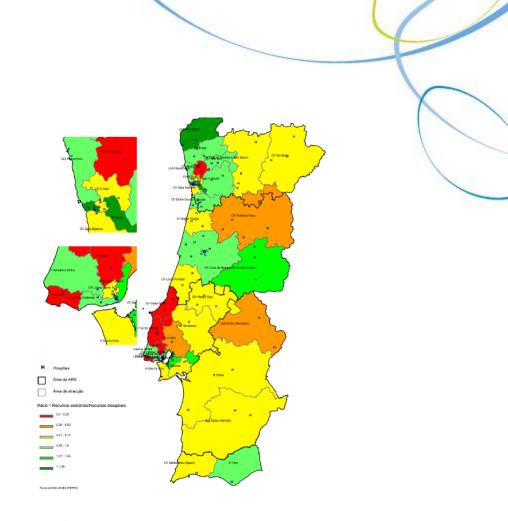
Example Table: Total Physicians in the National Health System





## Current and Future Needs of Physicians (NHS)







Example: Balance of Physicians( Existing Vs Needed) - Urology



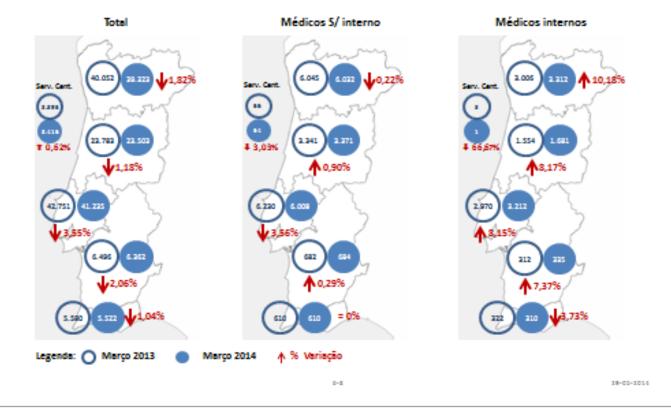


# Monthly reports on evolution and characterization of human resources



Informação Periódica Evolução e caracterização dos Recursos Humanos SNS/MS - Dados de Abril de 2014 -

5. Análise Regional







## **Benchmarking**

http://benchmarking.acss.min-saude.pt/benchmarking.aspx

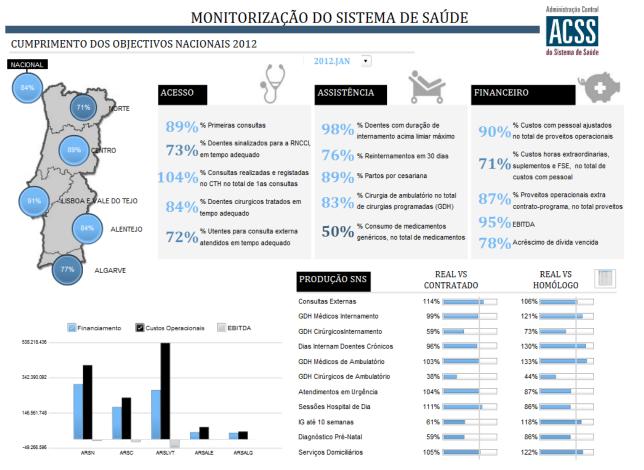
MONITORIZAÇÃO DO SERVIÇO NACIONAL DE SAÚDE Benchmarking Hospitais  Monitorização Mensal	Administração Central ACSS do Sistema do Saúdo
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BENCHMARKING	





## **Benchmarking**

### http://benchmarking.acss.min-saude.pt/benchmarking.aspx







## Benchmarking

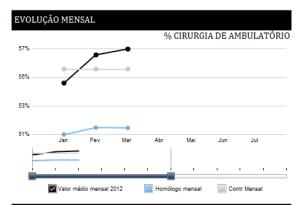
### http://benchmarking.acss.min-saude.pt/benchmarking.aspx

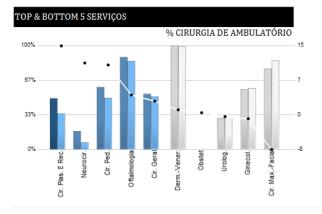
#### MONITORIZAÇÃO DO SISTEMA DE SAÚDE

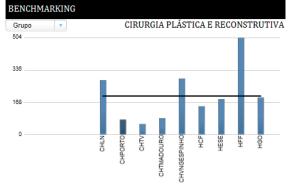


#### ACTIVIDADE ASSISTENCIAL

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Demora Média	6,80	6,70	100,7%	$\checkmark$	1,2%	
Cirurgia						
Intervenções Cirúrgicas	8.314	8.021	103,6%	a -	1,1% •	
% Cirurgia de Ambulatório	56,9%	55,6%	102,4%	A	5,1 1	1
Consulta Externa						
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% Primeiras Consultas	25,1%	25,5%	98,3%	$\checkmark$	-0,2	Ļ











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### Strategic Plans Eco-Fin Guidelines

- EBITDA  $\geq$  0 by 2015
- Prevent the generation of new arrears by 2015
- Investments restricted to payback demonstration and self supported in operational cash flow
- Increase own revenues by 3%/year, starting on 2014
- Plan cost reduction through measurable initiatives for at least 75% of the forecasted amount
- Enforce management contracts with Hospital Boards, binding them to implement strategic objectives
- Bind strategic plans to 2014-2016 hospital financing
- Monthly monitoring of strategic plans measures and initiatives





### Hospital Classification System (Dispatch n.° 82/2014)

Guiding Principles						
Simplification	Population Based	Hierarchical	Complementarity	Proximity		
The HSC must be easily understood by health professionals and populations	The HSC depends on population served	The HSC depends on different differentiation levels	The HSC considers hospital complementarity	Health care services should be provided as close as possible to the place of residence, existing volume of patients to ensure quality of care		

I	I	III
<ul> <li>75K - 500K direct population served</li> <li>Capacity to treat 85% of the health needs of the population directly</li> <li>Basic services of medical and surgical specialties (scalable according to population served)</li> <li>Medical and surgical Emergency Room</li> </ul>	<ul> <li>Profile I plus:</li> <li>Capacity to treat 90-95% of the health needs of the population directly</li> <li>Capacity to treat up to 10% of the health needs of the referred population</li> <li>Medical and surgical emergency room or polivalent emergency (-)</li> <li>Differentiated services of medical and surgical specialties</li> </ul>	<ul> <li>Profile II plus:</li> <li>Capacity to treat 100% of the health needs of the population served</li> <li>Capacity to treat up to 15% of the health needs of the referred population</li> <li>Urgency Polyvalent (+)</li> <li>All specialties</li> </ul>





### Strategic Plans:

Another differentiating factor is the level of specialties diversity portfolio and the consequent requirement for differentiation

Medical Specialties	I	II	Ш
Cardiologia			
Gastrenterologia			
Medicina Interna			
Neurologia			
Pediatria Médica			
Psiquiatria			
Endocrinologia			
Nefrologia			
Pneumologia			
Reumatologia			
Hematologia			
Infecciologia			
Oncologia Médica			
Neonatologia			
Imuno-Alergologia			
Cardiologia Pediátrica			
Pedopsiquiatria			

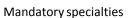
Surgical Specialties	I	Ш	
Cirurgia Geral			
Ginecologia/Obstetrícia			
Oftalmologia			
Ortopedia			
Dermato-Venereologia			
Otorrinolaringologia			
Urologia			
Cirurgia Vascular			
Neurocirurgia			
Cirurgia Plástica e Rec. Est.			
Cirugia Cardiotorácica			
Cirurgia Maxilo-Facial			
Cirurgia Pediátrica			

Suport Specialties	I	II	III	
Anestesiologia				
MFR				
Radiologia				
Patologia Clínica				
Imunohemoterapia				
Anatomia Patológica				
Radioncologia				
Medicina Nuclear				
Neuroradiologia				

### Dispatch n.º 82/2014

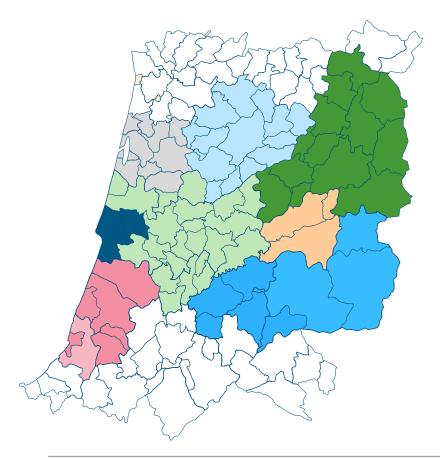






Optional specialties (population ratios dependent)

# The Direct Population Served by Centro Hospitals was mapped based on data from INE



Hospital	HCS	Population Served
Hospital Distrital da Figueira da Foz, E.P.E.		88.296
Centro Hospitalar Cova da Beira, E.P.E.		87.869
Unidade Local de Saúdede Castelo Branco, E.P.E.	C	108.395
Unidade Local de Saúde da Guarda, E.P.E.	U	155.466
Centro Hospitalar Leiria-Pombal, E.P.E.		324.123
Centro Hospitalar do Baixo Vouga, E.P.E.		314.996
Centro Hospitalar Tondela-Viseu, E.P.E.	В	267.633
Centro Hospitalar e Universitário de Coimbra, E.P.E.	A	405.533
	TOTAL	1.752.311

### Staff is being defined





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## Prospective tool for scenarios analysis

In 2010, ACSS used a tool to forecast needs of physicians.

Currently we start reviewing this tool.

Tool for healthcare professionals forecasting and management

Annual projections

Highly customizable

Some goals

Able to work with different projection horizons

Allows sensitivity analysis of different variables

Enables the dynamic integration of different models and scenarios





## Prospective tool for scenarios analysis









## Prospective tool for scenarios analysis

### Main features

- Projections based on actual data loading (it incorporates actual data since 2002);
- Scenario modeling take into account the study "Provisional RH Needs in Healthcare - Doctors (Supply and Requirements Models);
- Models are integrated dynamically (<u>Supply and Requirements Models</u>), which enables the anticipation of gaps between supply and needs of healthcare professionals (by medical specialty);





## **Prospective tool for scenarios analysis**

#### Main features

 $\Rightarrow$ 

The Supply Model (which represents the installed capacity in the training system) comprises the following dimensions:



Funded by the Health Programme

of the European Union

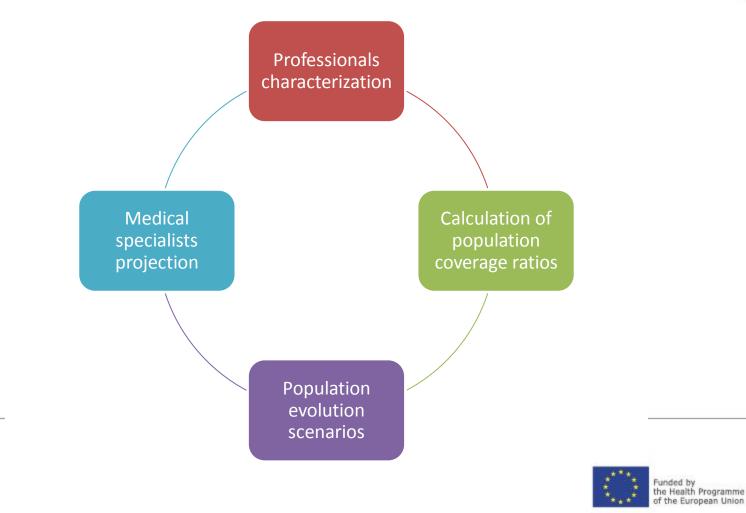


## **Prospective tool for scenarios analysis**

#### Main features



The Requirements Model (which combines different scenarios of medical specialists needs) comprises the following dimensions:

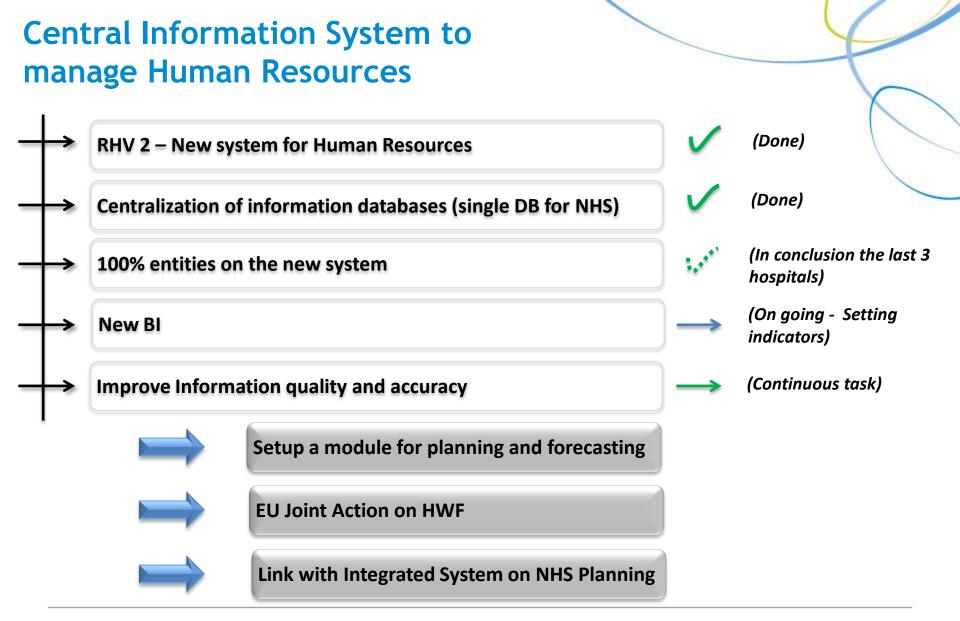




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### **Health Professional Portal**

	MANISTEROS PORTAL DO UTENTE PORTAL DA SAÚDE	
Portal Profi	al dos fissionais da saúde	
Início Aj	Legislação e Orientações Concursos e Formação e Estatística e Aplicações Normas e Guidelines Mobilidade Eventos Publicações Links Úteis	
portal profissional	SER – Saúde em Rede	
Escolha a sua Enfermeiro Farmacêutico Médico Médico Dentista Nutricionista Psicólogo (área clinic Dietista Fisioterapeuta Higienista oral Ortoprotésico Ortopotésico Ortopotésico Ortopotísta Técnico anatomia pa citologia tanatológica Técnico anatomia pa citologia tanatológica Técnico cardiopneum Técnico farmácia Técnico radiotese dent Técnico radiotese dent	Bem-vindo(a) ao Portal dos Profissionais de saúde, Se é Profissionai de Saúde e o seu perfil encontra-se referenciado do lado esquerdo, está no sítio certo! Através deste seu portal, pode: • Aceder às aplicações informáţicas do Sistema Nacional de Saúde; • Aceder as orbentar jobes e Guidelines; • Aceder as Orientações e Guidelines; • Aceder a Concursos, Formações e Eventos; Ajude-nos a melhorar o seu portal enviando-nos sugestões para o servicedesk@spms.min-saude.pt Aiumología mundogía ia	





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### SIGPS - Geographic Integrated System for Health Planning, Ministerial Order N° 6250, 3 May 2013

The system will make it possible to consolidate and centralize georeferenced information and update information, in real time, on:

- Health needs (e.g. demographic and epidemiological profiles of populations);
- Installed capacity for the various levels of SNS care, private and social sectors (e.g. human resources, physical, technological and financial), contributing to a higher substantiation and timely decision-making, ensuring greater transparency of information, both for the top decision level both in terms of user/citizen.





# SIGPS - Planning component

### Planning model



Identification of the GAP's





# SIGPS - Planning component

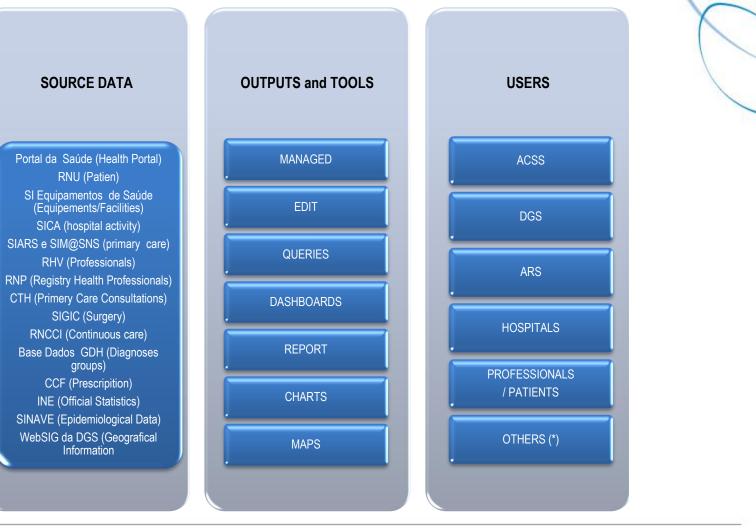
Characterization of the offer, by:

- Institution hospital units, primary health care, long-term care and private units (priority being the agreed and internment);
- Production line inpatient, outpatient, surgical activity, day hospital and urgency;
- Specialty according to the list of OM;
- Human resources;
- Medical devices.





## **SIGPS - Structure**

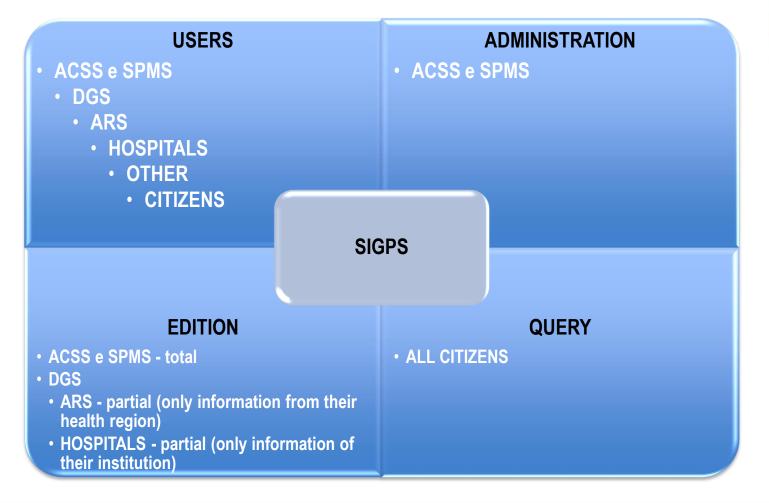




(\*) INEM, INSA, SICAD, INFARMED



## **SIGPS** -Access profiles and levels







Better planning system

Better Health System

Handbook

PILOT PROJECT



