

# Hospital Pharmacy Specialisation

## Portugal

Brussels meeting 10th November 14



# Health Professions in Portugal

Population:  
**~10.500.000**

Health professionals per 1.000 population:

Doctors:  
**4,3**

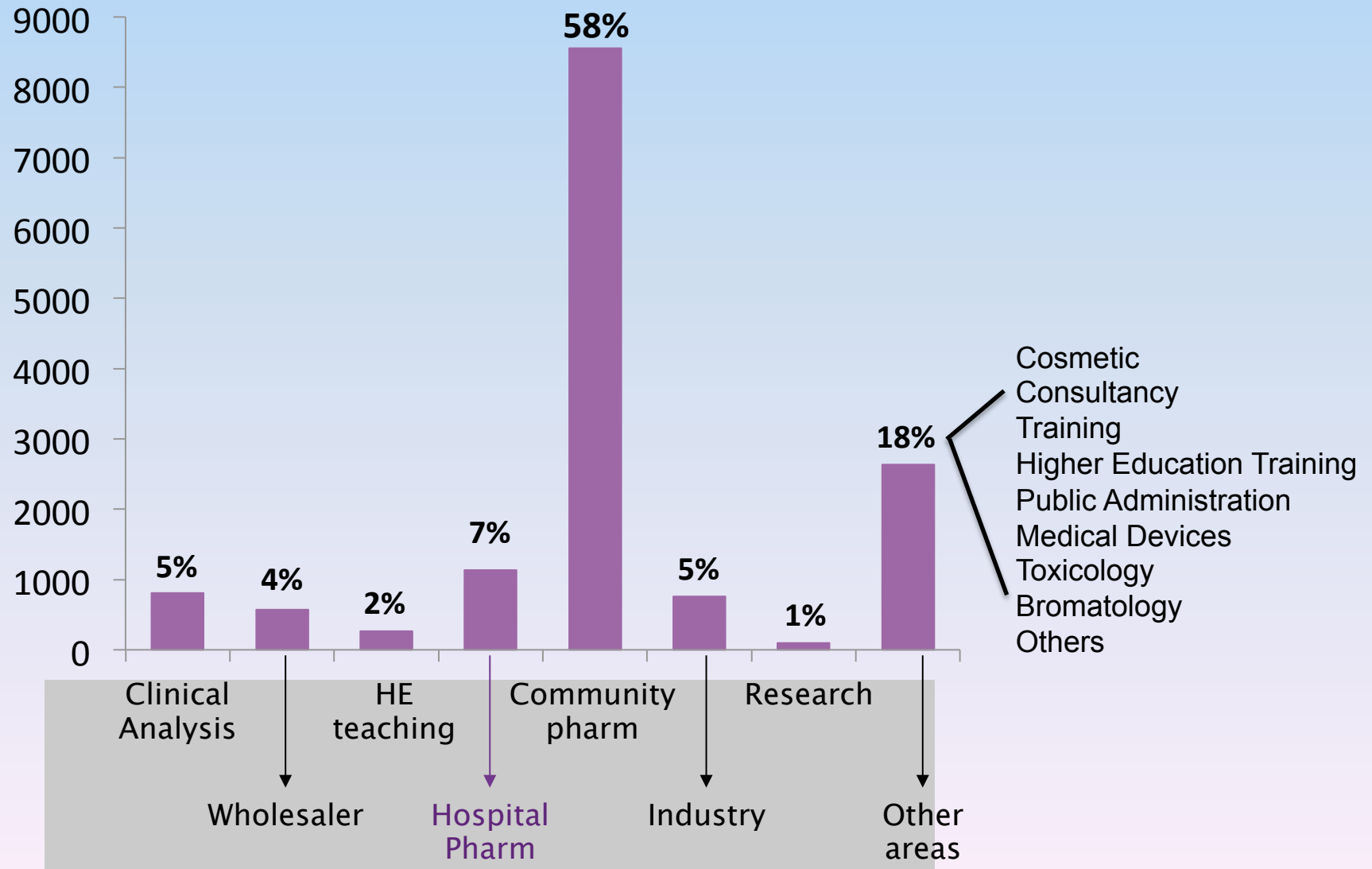
Pharmacists:  
**1,4**

Dentists:  
**0,8**

Nurses:  
**6,2**



# Portuguese Pharmacists: practice areas



# Hospital Pharmacy Specialisation

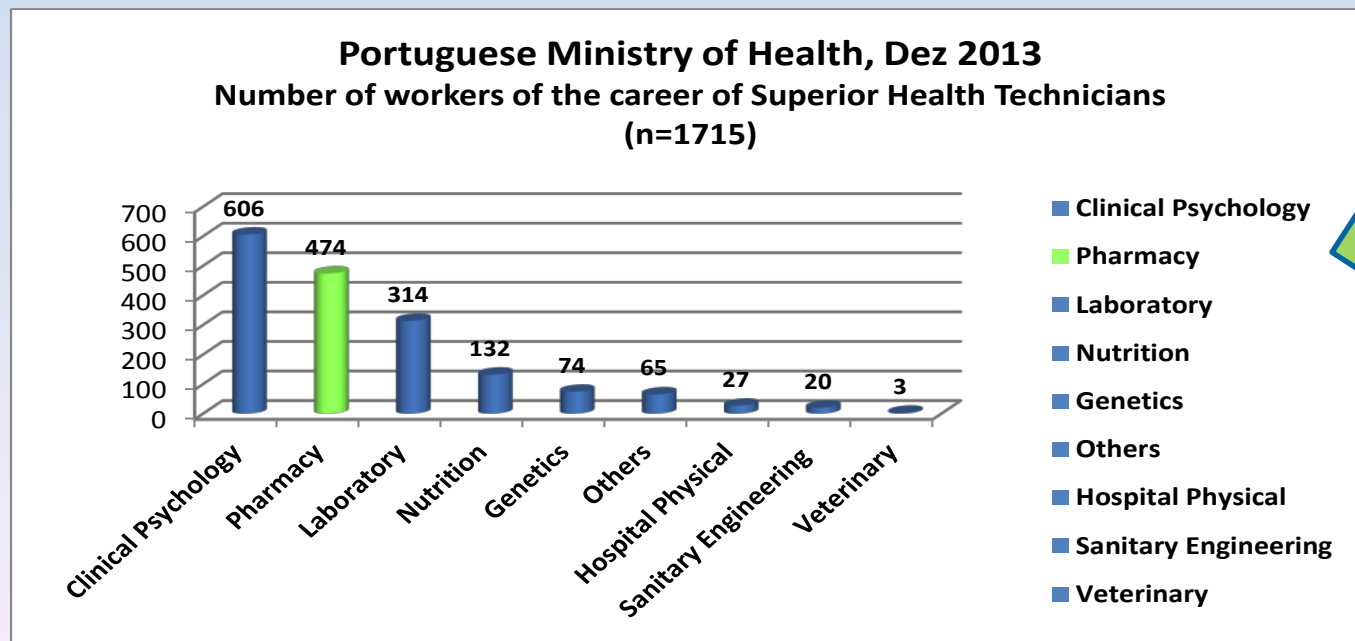
## Past and Present

- For Pharmacists in the public sector
  - Managed by Portuguese Ministry of Health (ACSS)
    - 1991–Decree law nº 414/91 (22 Oct) modified by 501/99 (19 Nov)
    - 3 years
    - Vacancy for internship (last 2002)
- For all Pharmacists
  - Managed by Ordem dos Farmacêuticos (Portuguese Pharmaceutical Society – “Chamber”)
    - 1998
    - 5 years

**Nov 2014: No mutual recognition so far**

# Hospital Pharmacy in the public sector Present

- No specific career for Hospital Pharmacist or Pharmacist;
- Same career for all health technician with university education. Branches include Clinical Psychology, Pharmacy, Laboratory, Nutrition, Genetics, Hospital Physical, Sanitary Engineering and Veterinary



# Hospital Pharmacy Specialization by Portuguese Ministry of Health

- Selection of public training organization for internship
- Rules for competitive admission
- Internship supervisor
- Final evaluation of the intern

Ordinance n° 796/94 (7 Sep)

- 3 year duration
- 2 areas of activity:
  - Hospitals (2,5 year)
  - Public health and primary care (0,5 year)

Ordinance n° 931/94 (20 oct) modified by Ordinance n° 1102/2001 (14 Sep)

Hospital	Duration	Activities
Drug Management	16 weeks	Selection, Procurement, Storage and safety, Financial and economic aspects
Production and Compounding	20 weeks	Parenteral nutrition, Cytotoxic and others IV admixtures or formulations, Legislation and GMP, Quality assurance and audits
Quality Assurance		
Distribution	48 weeks	Systems of distribution, Drug policy and formulary use, Pharmacist intervention in the use of medicines
Clinical Pharmacy Activities		Multidisciplinary clinical team and medical rounds, Pharmacokinetics, Clinical nutrition, Pharmacovigilance, Protocol monitoring
Drug Information	12 weeks	Providing evidence-based information (active and passive) to health professional and patient, write a scientific publication for eventual publication
Technical Committees	(as needed)	DTC, Infection Control, Ethical Committees and Clinical Trials
Nuclear Pharmacy	24 weeks	All the knowledge needed to safely handle and use
Educational activities	(as needed)	Courses, theoretical knowledge to support and enhance the practice

Public health and primary care	Duration	Activities
Drug Management and distribution	8 weeks	Process of management and distribution to primary care facilities (medicines and medical devices)
Technical committees / technical support	6 weeks	Pharmaceutical activities in all existing primary care level committees
Monitoring the use of medicines and medical devices	6 weeks	By therapeutic group, prescription or solicitation of health facilities
Other activities	(as needed)	Activities which might be developed in addition to the already mentioned
Educational activities	(as needed)	Courses, theoretical knowledge to support and enhance the practice
Pharmacovigilance	4 weeks	Work within the National Pharmacovigilance Centre to collect and evaluate information about Adverse Drug Reactions.



# Hospital Pharmacy Specialisation – Ordem dos Farmacêuticos

- 5 years of experience in the following areas:
  - Acquisition and Management
  - Medicines Distribution
  - Control Processes and Production Processes
  - Documentation and Information
  - Pharmaceutical Care
- Final Exam

# Comparison

MH	OF	Agreement Work in progress
3 years	5 years	4 years
15 areas of practice	11 areas of practice	Competency-based
Final Evaluation	Final Exam + Interview (CV)	Evaluation of CV + Exam + Professional Practice
Vacancy defined by the MH	Not applicable	Set by MH in collaboration with OF
240 Pharmacists	644 Pharmacists	N/A
5 categories	1 category	3 categories

# Future for OF | Competency based speciality

- Developmental framework | *work in progress*
- Divided in competencies, behaviour (content), type of competency (across all specialists or general practice), how it is acquired and type of evaluation.

# OF | HPS | Framework | Competencies

<b>Clinical Pharmacy/ Pharmaceutical Care</b>	<b>Management</b>
<b>Distribution and dispensing in inpatient and outpatient</b>	<b>Research</b>
<b>Pharmacotechnics</b>  <i>[Medicines preparation in hospital – sterile/ non-sterile] – Compounding</i>	<b>Logistics processes of medicines and pharmaceutical products</b>  <i>[Procurement of medicines, stock management in the hospital pharmacy setting]</i>
<b>Applied Pharmacotherapy</b>	<b>Quality and Patient Safety</b>  <i>[Risk management, Quality Management System applied to hospital pharmacy]</i>

# OF | HPS | Framework | Example

Competency	Behaviour/Content	Type of Competency	Acquisition of competency		Evaluation
Name; area of practice in question; general theme.	Definition of areas, one competency can be associated with more than one behaviour/content.	Nuclear/Core - mandatory for the speciality in question. Complementary - optional for the speciality in question, but important for the practice.	How to acquire: Practical training (PT) Theoretical Training (TT) Work-based practice (P)	Time in professional practice Months	Options: Curricular Evaluation (AE) - CV and reference letters. Interview (I) Written Exam (WE)
Distribution and dispensing in inpatient and outpatient	<p>Acquire practice in the effective interaction with patients and elements of the healthcare team.</p> <p>Know the effective application of the mechanisms of automation and robotics.</p> <p>Know and utilize the electronic prescribing tools and their parameterization,</p> <p>Know the legal context applicable, in particular in the outpatient area.</p> <p>Know the alternative processes of medicines dispensing in the inpatient, and its scope.</p> <p>Perform pharmaceutical interventions.</p> <p>Be capable of caring out these functions independently.</p>	Nuclear/Core	PT + TT + P	6	AE + I + WE

# Hospital Pharmacy Specialisation Future

Dispatch n.º 14215/2013 (5 Nov)

- Workgroup
  - Ministry of Health (ACSS, Infarmed, Direção-Geral de Saúde)
  - Ordem Farmacêuticos
- Objective: to study all the pharmacist activity in the public sector and to recommend new rules and framework for the career.

*Under review by the  
Office of Secretary of State*

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Questions?

