

# Pharmacies in Europe: Trends and Developments

Dr Jan Smits

# Pharmaceutical Group of European Union

## Members: Professional Bodies & Pharmacists' Associations



	Austria		Netherlands
	Belgium		Poland
	Bulgaria		Portugal
	Croatia		Romania
	Cyprus		Slovakia
	Czech Rep		Slovenia
	Denmark		Spain
	Estonia		Sweden
	Finland		United Kingdom
	France		Bosnia Herzegovina
	Germany		Kosovo
	Greece		FYR Macedonia
	Hungary		Norway
	Ireland		Serbia
	Italy		Switzerland
	Luxembourg		Turkey
	Malta		Ukraine

# Who does PGEU represent?

PGEU members are national associations & professional bodies from 34 Countries

Representing:

- 400,000 community pharmacists
- 170,000 community pharmacies
- 46 million visitors to pharmacies every day

# Trends in pharmacy services

- **Core Pharmacy Services (expertise in medicines):**
  - Dispensing (incl. repeat dispensing and homecare);
  - Compounding;
  - Medication management (new medicines service, medicines use review);
  - Emergency care (incl. emergency contraception) and minor ailment management.
- **Advanced Pharmacy Services (health care services):**
  - Vaccination;
  - Smoking cessation;
  - Chronic disease management;
  - Early screening and testing;
  - Measurement of blood pressure, cholesterol, glucose, weight

# Patient-centered pharmacy services in Europe



\* Number of countries (out of 24) where service is available

- 20 to 25
- 15 to 19
- 9 to 14

# Future

- European community pharmacists will offer an increasing number of pharmacy services to their patients and society.
- European pharmacies will distribute increasing number of specialty medicines and offer services to improve patient outcomes.
- Services such as medicines use reviews, new medicines services and various screening services will be recognised as an essential part of European health care systems.



**PGEU GPUE**

*Pharmaceutical Group of European Union  
Groupement Pharmaceutique de l'Union Européenne*

# COLLABORATIVE CARE FOR THE BENEFIT OF CANCER PATIENTS

Jan Smits, PGEU President 2016  
Dubrovnik

# Cancer Medicines available in Community Pharmacy

- Many historically hospital-only medicines are available from French, Irish, Italian, Lithuanian, etc. community pharmacies;
- Cancer medicines is one of the categories that is transferred from hospital to community setting;
- This is discussed in number of EU members states and trend is increasing.

# Dispensing Oral Chemotherapy

**Table 1: Dispensing oral chemotherapy**

Country	Prescribed by	Prescribed			Dispensed			
		Hospital (government)	Hospital (private)	Consulting rooms	Hospital	Community	Both	By consultant
Australia	Consultant	x	x	x		x <sup>1</sup>		
Canada (West)	Consultant	x	x		x			
Canada (East)	Consultant	x	x			x		
Cyprus	Consultant	x	x		x			
Czech Republic	Consultant	x		x	x	x <sup>2</sup>		
Denmark	Consultant	x					x <sup>6</sup>	
Estonia	Consultant	x					x	
Finland	Consultant	x					x <sup>6</sup>	
Germany	Consultant	x	x	x			x <sup>4</sup>	O <sup>3</sup> & IV <sup>3</sup>
Lithuania	Consultant	x					x	
Netherlands	Consultant	x					x	
Slovenia	Consultant	x				x		
Spain	Consultant	x					x	
Sweden	Consultant	x					x <sup>5</sup>	
Switzerland	Consultant	x		x	x			O <sup>3</sup> & IV <sup>3</sup>
UK	Consultant	x			x			
USA	Consultant	x	x	x		x		

1. Shared care agreement.

2. Can be dispensed in community pharmacy but not common. May be given to patient in the ambulance.

3. Oral preps dispensed by consultant in rooms. Parenteral prepared in specific community pharmacies with Laminar Air Flow cabinets.

4. Discussing issues with community pharmacy. Patient taking drugs in pharmacy, or given via ambulatory nurse.

5. Community pharmacies are dispensaries only and are run by the health service and pharmacists are government employees.

6. Patients on wards supplied from ward stock (no pharmacy involvement). Prescriptions dispensed from local community pharmacy.

# Cancer Patients Live in Community

Pharm World Sci (2010) 32:575–580  
DOI 10.1007/s11096-010-9410-0

RESEARCH ARTICLE

## Potential drug–drug interactions between anti-cancer agents and community pharmacy dispensed drugs

Marsha L. Voll · Kim D. Yap · Wim E. Terpstra ·  
Mirjam Crul

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© Springer Science+Business Media B.V. 2010

**Abstract** *Objective of the study* To identify the prevalence of potential drug–drug interactions between hospital pharmacy dispensed anti-cancer agents and community pharmacy dispensed drugs. *Setting* A retrospective cohort study was conducted on the haematology/oncology department of the internal medicine ward in a large teaching hospital in Amsterdam, the Netherlands. *Method* Prescription data from the last 100 patients treated with anti-cancer agents were obtained from Paracelsus, the chemotherapy prescribing

interactions were found in 16 patients, of which 15 interactions were clinically relevant and would have required an intervention. Of these interactions 1 had a level of severity  $\geq D$ , meaning the potential drug–drug interaction could lead to long lasting or permanent damage, or even death. The majority of the interactions requiring an intervention (67%) had a considerable level of evidence ( $\geq 2$ ) and were based on well-documented case reports or controlled interaction studies. Most of the potential drug–drug interactions

chem

receiving  
the best quality

n.

# Role of Community Pharmacists in Cancer care

- Identify situations where chemotherapy is being poorly tolerated and prompt a referral;
- Management of chemotherapy side-effects;
- Support adherence;
- Provision of pain treatment;
- Special nutrition advice;
- Promote screening and prevention.



# Protect your skin. Protect it from cancer. Spain.

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# Campaign of early screening for colon rectum cancer in Italy

Results of this screening activity made in collaboration with community pharmacists as reported by LHU in 2008:

- 40% of the target population 50-69 years old (22,580 individuals) participated in the screening,
- 3.3 % cases of patients affected by colon rectum cancer and 7% of cases with a positive screening result requesting follow up care were identified,
- 45% of the results detected intestinal polypes which degeneration in 90 % of cases is the cause of this cancer.



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# Getting full support for self-care from all stakeholders

*Jan Smits, PGEU President 2016*



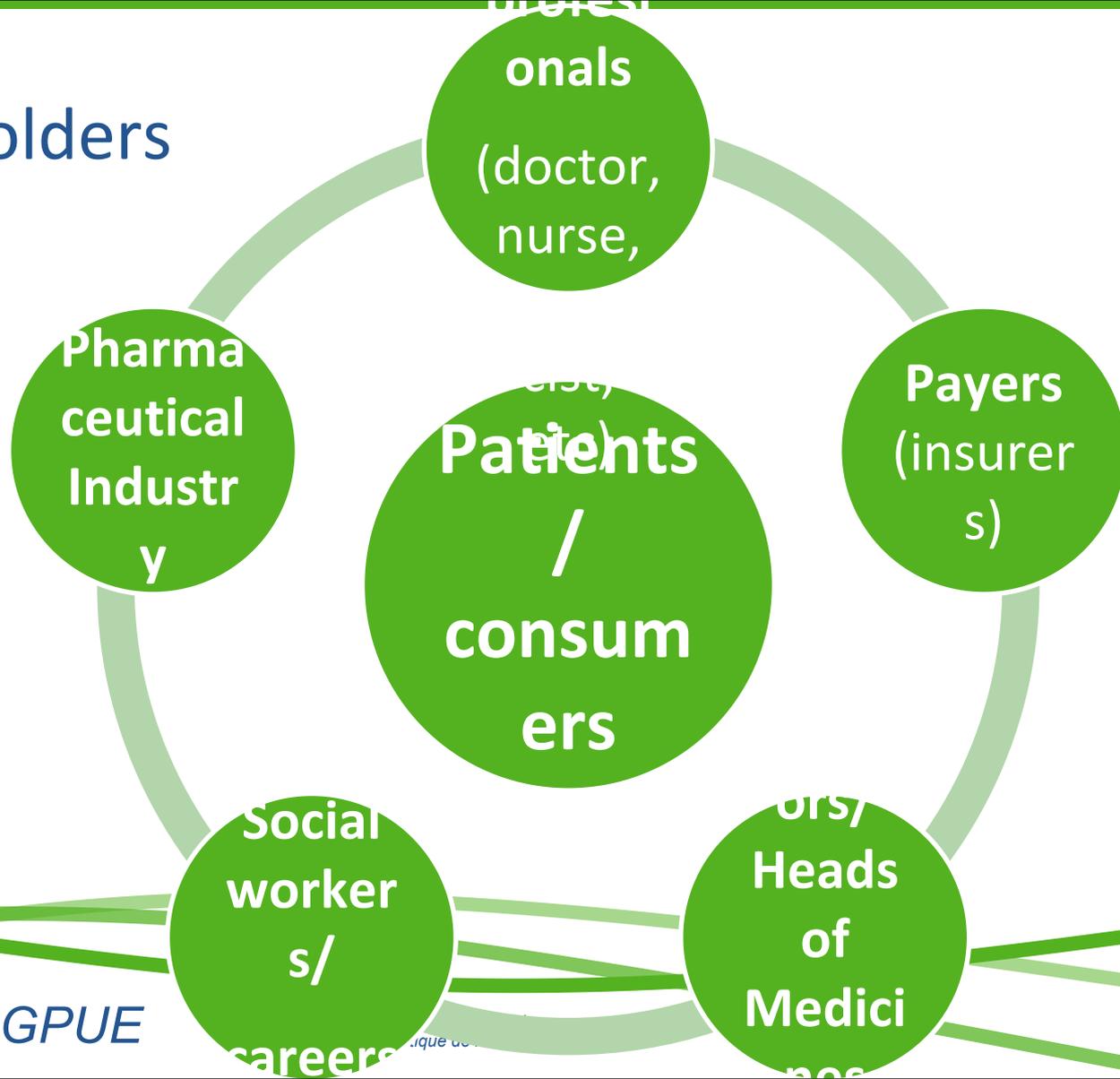
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2015

- 400.000 Community Pharmacists in Europe,
- 160.000 Community Pharmacies in Europe,
- **46 million citizens visit a pharmacy every day.**

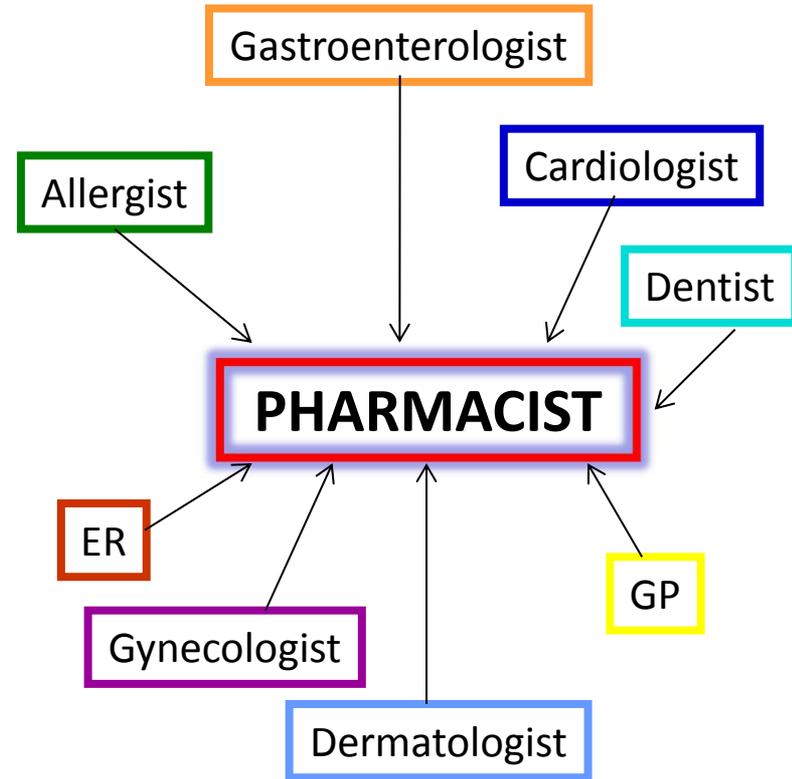


# Stakeholders

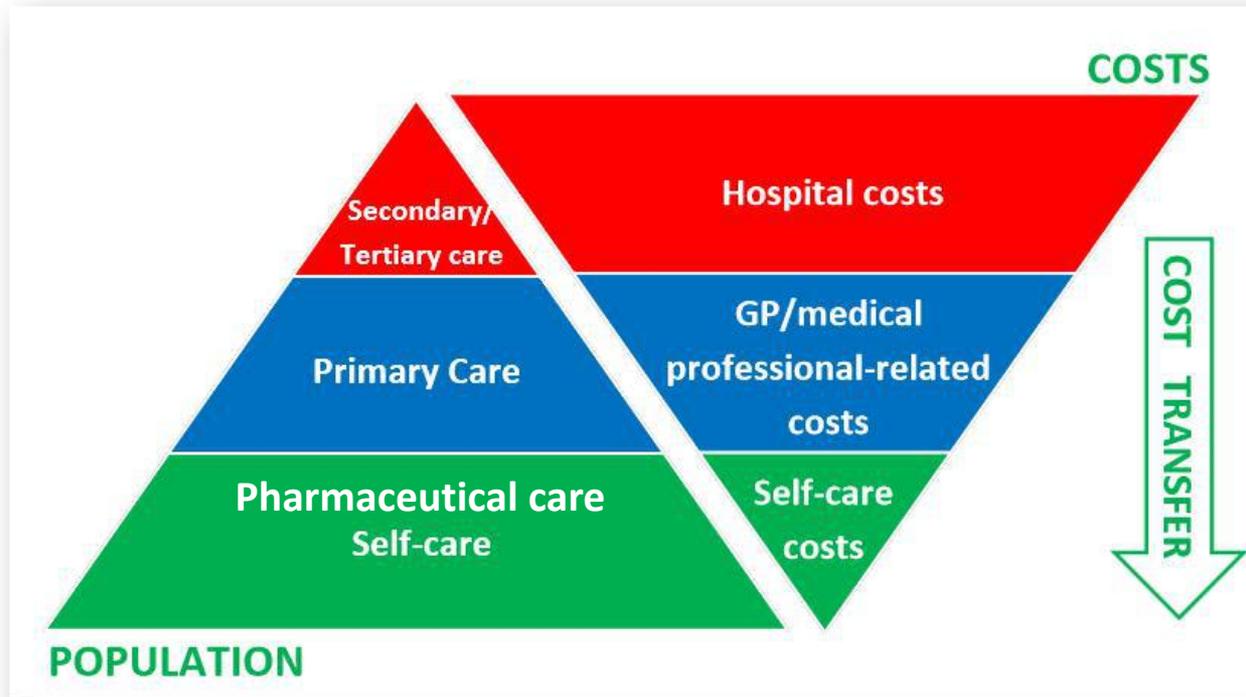


# Why Community Pharmacists?

- **Trusted** medication expert
- Most **accessible** provider in community
- **Key touch point** throughout continuum of care
- **Last** health care professional seen by patient **before medications are taken**



# Pharmaceutical care is cheap too!



# Role of community pharmacists

- Hygiene advice (general and personal),
- Nutrition advice and counselling (type and quality of food eaten, etc),
- Lifestyle advice and counselling (sporting activities, leisure, etc.),
- Self-medication support in treating minor ailments,
- Support for patients with chronic conditions to care of themselves.

# Self-care areas

<p><b>CV</b></p> <ul style="list-style-type: none"> <li>• Anti-Platelet</li> <li>• Borderline Hypertension</li> <li>• Oedema</li> <li>• Hypertension</li> <li>• Lipid Management</li> </ul>	<p><b>Derm (Skin)</b></p> <p>Acne, Actinic Keratosis, Age Spots,, Chronic Wound Healing, Diaper Rash, Eczema, Onychomycosis, Psoriasis, Ring Worm), Rosacea, Seborrheic Keratosis</p>	<p><b>Derm (Hair)</b></p> <ul style="list-style-type: none"> <li>• Androgenic Alopecia</li> <li>• Hair Removal</li> </ul>	<p><b>GI</b></p> <p>Chronic Constipation, Diarrhoea, Diverticulitis, Heartburn, GERD, IBS, Morning Sickness, Motion Sickness, Peptic Ulcer, Ulcerative Colitis</p>	<p><b>Gyn Health</b></p> <p>Bacterial Vaginosis, Endometriosis, FSD, Fibrocystic Breast, Heavy Menstruation, Oral Contraception, PMS, PMDD, UTI, Vaginal Candidiasis</p>
<p><b>Metabolic</b></p> <ul style="list-style-type: none"> <li>• Impaired Glucose Tolerance</li> <li>• Obesity</li> </ul>	<p><b>Men's Health</b></p> <ul style="list-style-type: none"> <li>• Male Contraception</li> <li>• Premature Ejaculation</li> </ul>	<p><b>Neuro/ Cog</b></p> <ul style="list-style-type: none"> <li>• Adult ADHD</li> <li>• Cognition</li> <li>• Movement Disorders</li> <li>• RLS</li> </ul>	<p><b>Oral Care</b></p> <p>Below Gum Tartar, Chronic Halitosis, Cold Sore, Dry Mouth, Gingivitis, Oral Candidiasis, Periodontal Disease, Sensitive Teeth</p>	<p><b>Pain</b></p> <ul style="list-style-type: none"> <li>• Fibromyalgia</li> <li>• General Acute Pain</li> <li>• Migraine</li> <li>• Muscle Relaxant</li> <li>• Neuropathic Pain (Sciatica)</li> <li>• OA Pain</li> </ul>
<p><b>Psych / Dependence</b></p> <ul style="list-style-type: none"> <li>• Alcohol Dependence</li> <li>• Mood Disorders</li> <li>• Tobacco Dependence</li> </ul>	<p><b>Respiratory</b></p> <ul style="list-style-type: none"> <li>• Allergy</li> <li>• Asthma</li> <li>• COPD</li> <li>• Cough/Cold</li> <li>• Influenza</li> </ul>	<p><b>Age 50+ Health</b></p> <ul style="list-style-type: none"> <li>• BPH</li> <li>• ED</li> <li>• Haemorrhoids</li> <li>• Hormone Replacement</li> <li>• Osteoporosis</li> <li>• Overactive Bladder</li> </ul>	<p><b>Sleep</b></p> <ul style="list-style-type: none"> <li>• Fatigue/Extreme Sleepiness</li> <li>• Primary Insomnia</li> <li>• Sleeplessness</li> </ul>	<p><b>Eye, Ear</b></p> <p>Bacterial Conjunctivitis, Chronic Ear Infection, Dry Eye, Eye Allergy (Conjunctivitis), Ocular Inflammation, Glaucoma, Swimmer's Ear</p>



## PGEU-Self-Medication Industry Collaboration Model

### Purpose:

PGEU is increasingly approached by self-medication industries seeking expertise and advice on particular issues related to specific switches or the pharmacists' role in self-care in general. Therefore a need to develop guidelines for such collaboration was identified during the PIWG meeting.

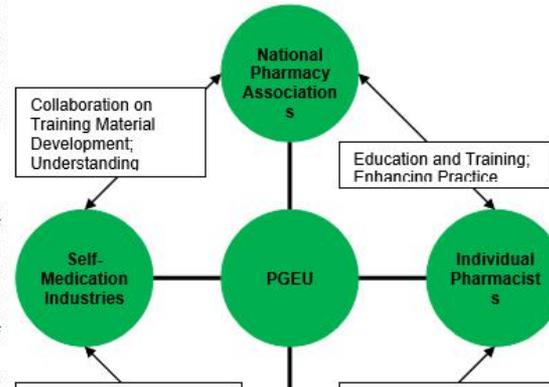
### Desired Collaboration Model:

#### PGEU

- PGEU should deal only with matters concerning centralized switches leaving national switches to the competence of individual members.
- PGEU should not directly support a specific application or company, or enable any competitive advantage for the company. It should aim to provide ultimate benefit to pharmacists when enhancing their role and the patients they serve.
- PGEU aims to provide its members with an insight into the process and provide an opportunity for early engagement in the implementation of the switch.
- It is important to recognize that many situations aren't appropriate for self-treatment and others may require professional guidance for self-treatment. This is of particular sensitive matter in countries that do not have a pharmacy-only category and where medicines are available in other outlets with no direct supervision of healthcare professional. PGEU should aim to ensure that companies understand these risks.

#### National Pharmacy Associations

- National Pharmacy Associations provide valuable experience of patient perceptions and the real added value of pharmacists in supporting individual patients in self-care and in particular with new therapeutic indications of non-prescription medicines.
- National Pharmacy Associations





# THANK YOU

[www.pgeu.eu](http://www.pgeu.eu)