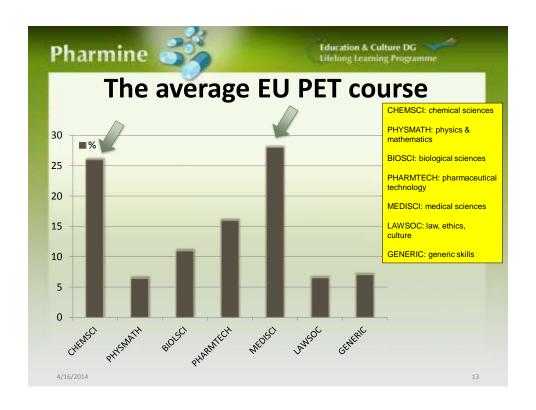


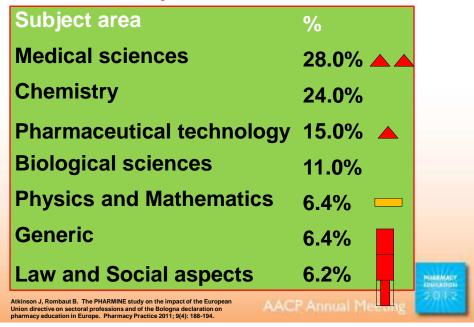
Staff, pharmacists and work load in PET. (n=31 faculties in 31 countries)				
(n=31 faculties in	Mean±SEM			
Staff	75±9/faculty			
Pharmacists graduating/year	118±14/faculty			
harmacists/staff	1.6			
otal hours over 5 years	ars 5348±335			
Project work (hours)*	677±154			
Project hours as % total	12.7%			

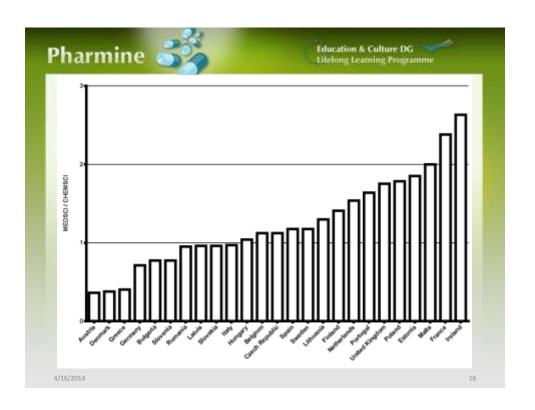


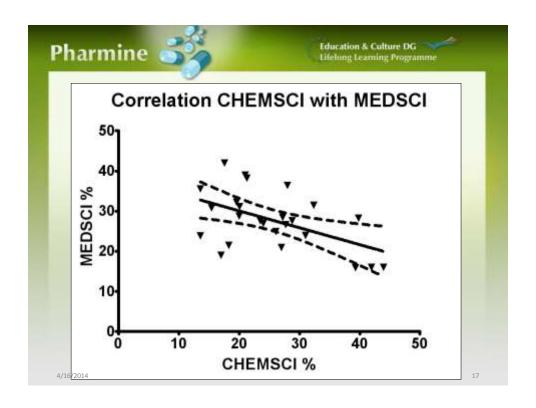
Pharmacy Education in 1994

Subject area	% (range)	
Chemistry	25-46	
Biological sciences	12-32	
Medical sciences	11-30	
Pharmaceutical technology	6-22	
Physics and Mathematics	3-13	
Law and Social aspects	1-16	
EAFP. Evaluation and comparison of education training in European Faculties of Pharmacy. 1994 http://enzu.pharmine.org/media/filebook/files/Bourlioux_full_report.pdf		PHARMACY SINCATION 2.0.12

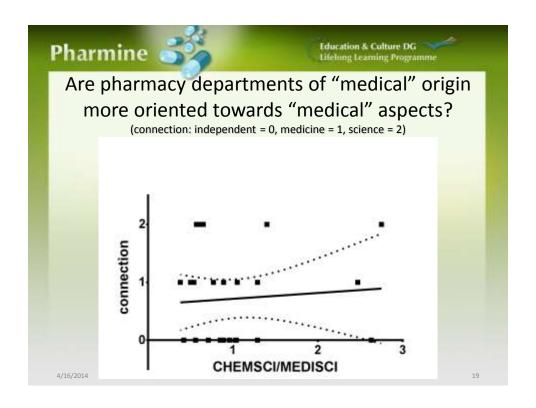
Pharmacy Education in 2006



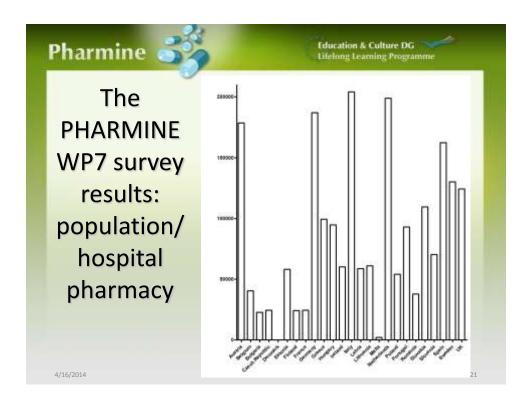


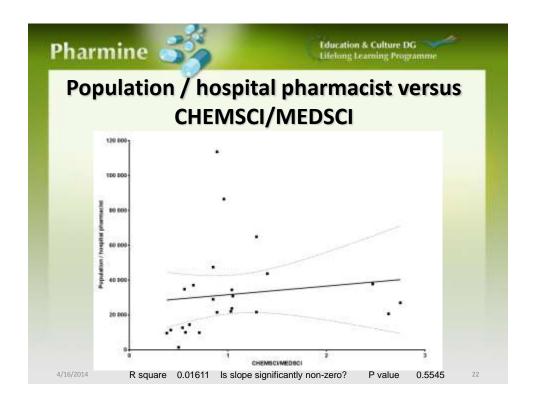


Historical ± cont European phar		
	Number	<u>%</u>
To a medical faculty	16	52
To a science faculty	7	22
Independent	8	26

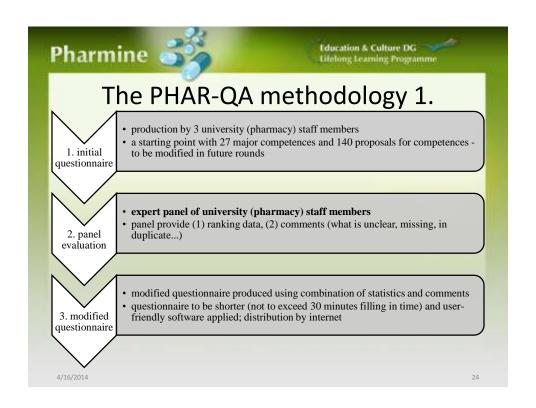


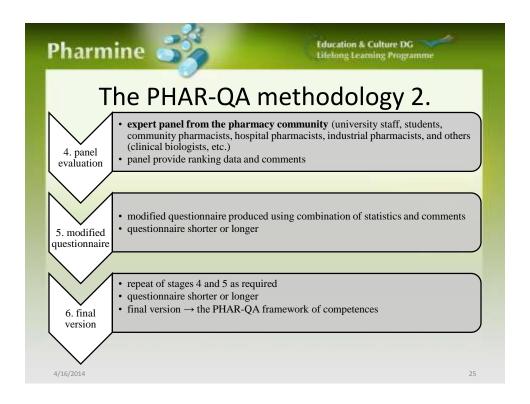
Pharmine 🏐			Lifelong Learning Programme		
MEDSCI / CHEMSCI	Country	Depts.	Hospital specialisation pre- grad/registration	Hospital specialisation postgrad/registration	
0.36	Austria	Vienna	No	No	
0.38	Denmark	Copenhagen Uni. S. Denmark	No	M.Sc. Clinical pharmacy	
0.40	Greece	Athens Patras Thessaloniki	No	M.Sc. Clinical pharmacy	
2.00	Malta	Msida	From 4 th year on	M.Sc. Clinical pharmacy	
2.38	France	Lille	From 3 rd year on Yet: unicity of diploma	From 5 th year on: 4- year internship	
2.63	Ireland	Dublin - RSCI	No	No	



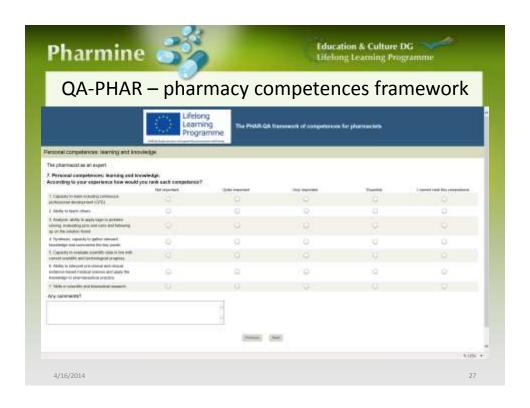




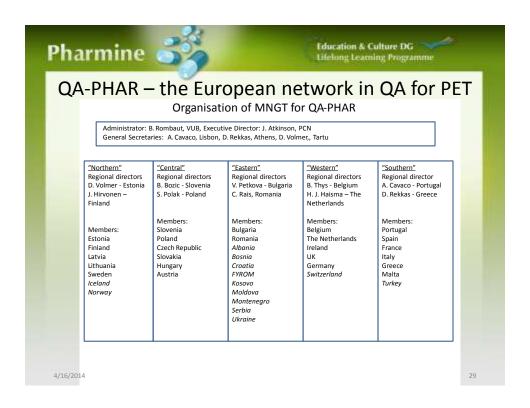


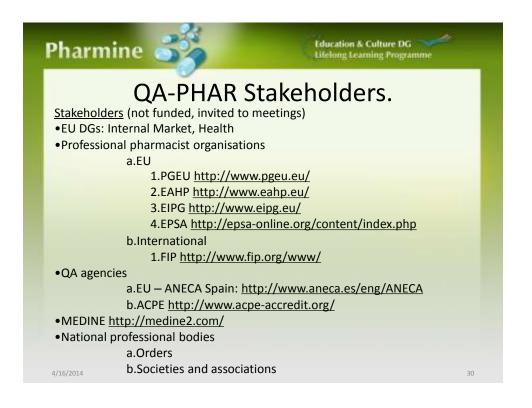




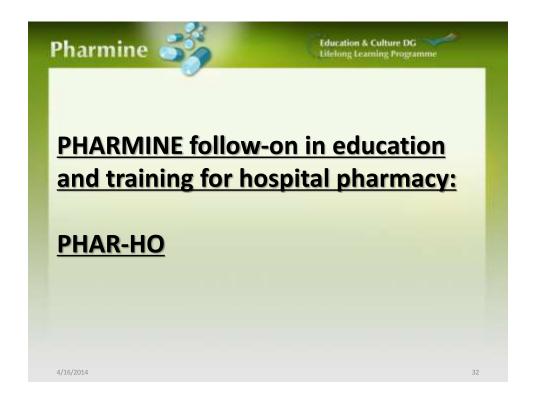


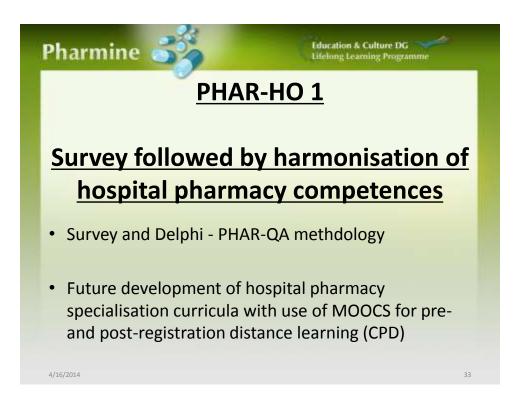












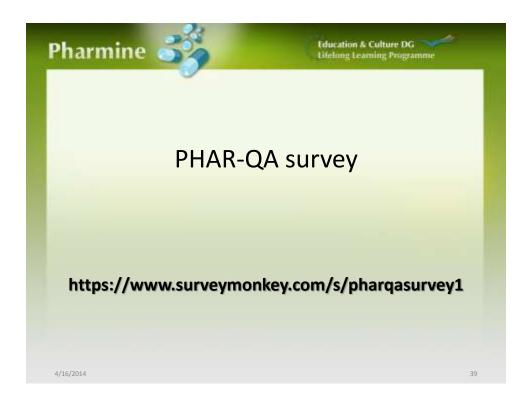




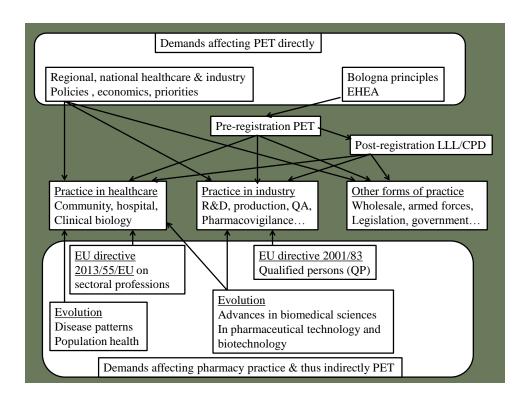


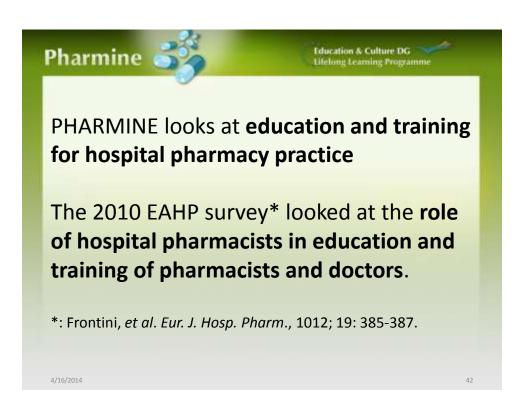
Pharmine Education & Culture DG Lifelong Learning Programme Teaching Clinicians about Drugs 1. Pharmacists are well trained to play a larger role in providing reliable drug information to other health care professionals. ... need for interprofessional health education and collaborative patient care. 2. Active engagement of pharmacists in hospital and community settings provides an excellent source of unbiased drug information. Pharmacists are established providers of medication education for medical students and residents as part of interdisciplinary teams in academic settings. 3. Their involvement in patient care activities includes education about medications, diseases, and adherence; disease-state management; and drug-utilization review — all of which result in improved health care outcomes. n engl j med 364;26 nejm.org june 30, 2011



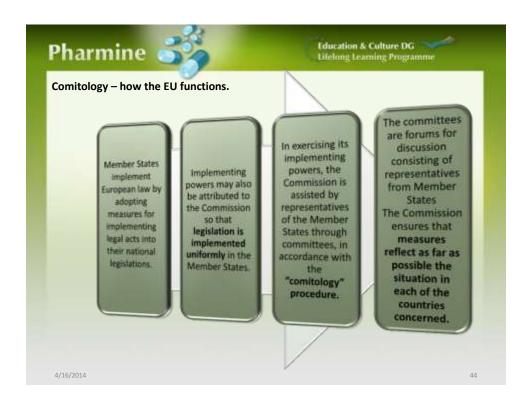












Pharmine 🍣

Education & Culture DG
Lifelong Learning Programme

Teaching Clinicians about Drugs

... Avorn highlights the need for high-quality, unbiased physician education regarding drug therapies. Although public policy is important, pharmacists already serve as knowledgeable and accessible participants in clinician education and patient-specific pharmaceutical care. Pharmacists are well trained to play a larger role in providing reliable drug information to other health care professionals. The Institute of Medicine has described a need for inter-professional health education and collaborative patient care. 2 Active engagement of pharmacists in hospital and community settings provides an excellent source of unbiased drug information. Pharmacists are established providers of medication education for medical students and residents as part of interdisciplinary teams in academic settings. 3 Their involvement in patient care activities includes education about medications, diseases, and adherence; disease-state management; and drug-utilization review — all of which result in improved health care outcomes. 4 Standards for medical residency programs include ... n engl j med 364;26 nejm.org june 30, 2011

rengri med 504,20 mejm.org june 50, 2011

014 45

The British Pharmacological Society and the Medical Schools Council are working together to develop the Prescribing Skills Assessment (PSA) that will allow all students to demonstrate their competencies in relation to the safe and effective use of medicines.

Why are we doing this?

Prescribing is a fundamental part of the work of Foundation year one doctors, who write and review many prescriptions each day. It is a complex task requiring knowledge of medicines and the diseases they are used to treat, careful judgement of risks and benefits of treatment, and attention to detail. As well as offering the potential for improving health, prescribing is an activity associated with potential hazards: a recent GMC-sponsored study found that 9% of hospital prescriptions contain errors. It is also apparent in other research (see How prepared are medical graduates to begin practice?) that this is the area of the Foundation Doctor role that new graduates find the most challenging. In response, the General Medical Council (which regulates undergraduate medical education in the UK) has placed a much greater emphasis on the prescribing competencies expected of new graduates in its latest recommendations to medical schools (Tomorrow's Doctors 2009).

What are we proposing?

Our aim is not to place any additional hurdles in front of UK medical students; rather it is to provide a reliable and validated assessment that will serve to demonstrate that the core prescribing competencies outlined in Tomorrow's Doctors (2009) have been achieved by all graduates.

The proposed assessment is pass/fail, and medical students will be expected to pass the assessment prior to graduation. The ultimate goal is to create an online assessment, to be undertaken by final year medical students. Once live, students who fail the assessment will have opportunities to retake. Medical schools will be responsible for provide further training and support in prescribing for those retaking the assessment prior to graduation.

How is the assessment being developed?

The MSC and BPS are leading the development of the Prescribing Skills Assessment. The MSC and BPS are supported by the Assessment Board to the PSA, a Technical Capacity and Delivery Group and a cross sector

Stakeholder Group. The Assessment Board to the PSA is responsible for overseeing the recruitment experts to write and review assessment items and for developing quality assurance processes. The Stakeholder Group includes a student representative from the BMA, and will

enable key stakeholders, including medical students, to be involved in the development of the assessment and the associated policies and processes.

Piloting will continue in 2013 and decisions around live implementation will be based on consensus and evidence.

4/16/2014 46