

Performing clinical phamacy studies acoss the Nordic and Baltic countries

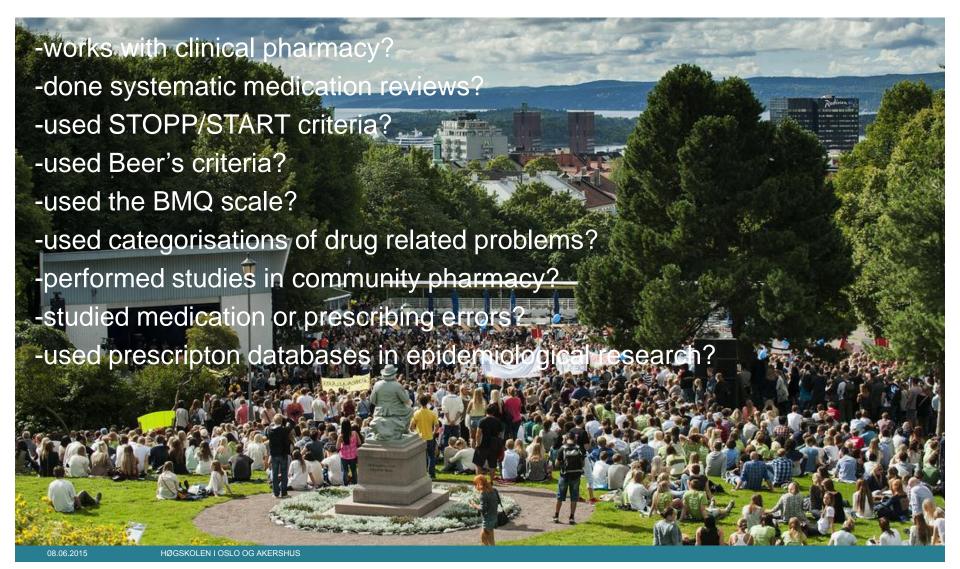
-how can we strengthen research by using joint protocols and/or supervision?

Anne Gerd Granås, Oslo and Akershus University College, Norway.





Who are you?





Drocerintian no

Comparing across European boaders

REPORT OF INTERVENTIONS ON PRESCRIPTIONS

rescription no			Thaimacist ID		
Patient: Year of birth	🗆 Ma	ale	□ Female		
Prescriber: MD hospi	ital 🗆 MD comr	nunity	□ Other		
Prescribed: Information on prescription given regarding drug, dose and use					
PROBLEM		SCRIPTION			
Inappropriate drug:					
Inappropriate dose:	_				
Inappropriate form:					
Contraindications:					
Side effects:					
Interactions:					
Other:	D				
DDODLEM DETECTED I	DV.				
PROBLEM DETECTED I		nt neefile see	formed =		
Communication with pa		-			
Other, specify					
WITER VENTION					
INTERVENTION		_			
Added or discontinued	-				
Changed or clarified drug / substance:					
Changed or clarified dose / strength:					
Changed or clarified form / route:					
Changed or clarified schedule:					
Changed or clarified du					
Other, specify					
Prescriber contacted: Yes □ No □					
Unable to get in touch v	vith prescriber:				
			SH 15 05 2014		

Volmer D, Haavik S, Ekedahl A. Use of a generic protocol in documentation of prescription errors in Estonia, Norway and Sweden. Pharmacy Practice (Internet) 2012 Apr-Jun;10(2):72-77.

Original Research

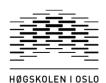
Use of a generic protocol in documentation of prescription errors in Estonia, Norway and Sweden



scribing errors in prody care are frequently detected by

ations in detected error ratios between the studies may largely es in study design and inclusion criteria used. There is a need for a protocol in order to compare the results from different studies. A ald provide a valuable means of evaluation of new technology,

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Comparing across European boaders

Pharm World Sci DOI 10.1007/s11096-010-9393-x

OG AKERSHUS

RESEARCH ARTICLE

Provision of pharmaceutical care by community pharmacists: a comparison across Europe

Carmel M. Hughes · Ahmed F. Hawwa · Claire Scullin · Claire Anderson · Cecilia B. Bernsten · Ingunn Biörnsdóttir · Maria A. Cordina · Filipa Alves da Costa · Isabelle De Wulf · Patrick Eichenberger Veerle Foulon · Martin C. Henman · Kurt E. Hersberger · Marion A. Schaefer · Birthe Søndergaard · Mary P. Tully · Tommy Westerlund · James C. McElnay

Received: 26 June 2009 / Accepted: 19 April 2010 © Springer Science+Business Media B.V. 2010

Abstract Objective To investigate the provision of pharmaceutical care by community pharmacists across Europe and to examine the various factors that could affect its implementation. Methods A questionnaire-based survey of community pharmacies was conducted within 13 European countries. The questionnaire consisted of two sections. The first section focussed on demographic data and services provided in the pharmacy. The second section was

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 Provision of pharmaceutical care by community pharmacists across Europe: has it evolved over time?

Table 1 Response rate to BPCS survey a surveyed in 2013

a slightly adapted version of the Behavioral Pharmaceutical Care Scale (BPCS) which consists of three main dimen- sions (direct patient care activities, referral and consulta- tion activities and instrumental activities). Results Response rates ranged from 10–71% between countries. The mean total score achieved by community pharmacists,	Table 1 Sa	, ,	each participating c	ountry and their
expressed as a percentage of the total score achievable ranged from 31.6 (Denmark)	>		Sample as a	Response
			of total r of	rates N (%)
M. A. Schaefer Institute of Clinic Berlin, Berlin, Ge			es in	
M.C.H	1		人	623 (24.9)
Experiences a	and			137 (42.7) 327 (29.8)
v ·		_)	725 (10.1%)
reflections				20 (35.7)
T. Wes		Ì	\ /	464 (51.7)
Depan Unive			00	112 (55.4)
V. Foulo			100	213 (41.4)
Pharmaco-Economics, Leto	1		100 51	564 (20.9) 250 (41.7)
J. C. McBnay (SI)	den	1.010	100	717 (70.9)
Clinical and Practice Research Group, Sci. Medical Biology Centre, Queen's University Belfast,	Switzerland	-,	100	392 (48.2)
97 Lisburn Road, BT9 7BL Belfast, UK	Wales	718	100	152 (21.2)
e-mail: j.mcelnay@qub.ac.uk	Overall	18,577	40	4,696 (25.3)
	-			

Country	Survey methodology			
Bosnia	Online			
Denmark	Online			
England	Online			
Germany	Online			
Italy	Online			
Lithuania	Face to face			
	interview			
Malta	Postal			
Moldova	Online and			
	postal			
Netherlands	Online			
Northern	Postal			
Ireland				
Norway	Online			
Portugal	Online			
Serbia	Postal			
Spain	Online			
Sweden	Online			
Switzerland	Online			
Overall ¹				



Comparing across European boaders







Research in Social and Administrative Pharmacy ■ (2015) ■-■



Original Research

General sale of non-prescription medicinal products: Comparing legislation in two European countries

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RESEARCH IN SOCIAL & Administrative Pharmacy

Administrative Pharmacy ■ (2015) ■-■
Original Research

A review of countries' pharmacist-patient communication legal requirements on prescription medications and alignment with practice: Comparison of Nordic countries

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- -Legistation
 - -OTC
 - Rx-communication





Comparing across European boaders



Lost in translation

-Comparing three Scandinavian translations of the Beliefs about Medicines Questionnaire.

Experiences and reflections



Contents lists available at ScienceDirect

Patient Education and Counseling

journal homepage: www.elsevier.com/locate/pateducou





Lost in translation? Comparing three Scandinavian translations of the Beliefs about Medicines Questionnaire

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PEC



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European definition

Drug related problems (PCNE)

–A DRP can be defined as "an event or circumstance involving drug therapy that actually or potentially interferes with desired health outcomes"

Pharmaceutical Care Network Europe (PCNE). Drug-Related Problems classifications.

http://www.pcne.org/sig/drp/documents/PCNE%20classification%20V6-2.pdf



-Too many definitions or system.....

Article

Development of an Aggregated System for Classifying Causes of Drug-Related Problems

Annals of Pharmacotherapy 1–14 O The Author(s) 2015 Reprints and permissions: sagepub.com/journals/Permissions.nax DOI: 10.1177/1060028014568008



Benjamin J. Basger, MSc1, Rebekah J. Moles, PhD1, and Timothy F. Chen, PhD1

Abstract

Background: More than 20 different types of classification systems for drug-related problems (DRPs) and their causes have been developed. Classification is necessary to describe and assess clinical, organizational, and economic impacts of DRPs through documentation of collected data. However, many researchers have judged classification systems incomplete when describing their data, and have modified them or developed their own. This variability between systems has made study comparisons difficult. Objectives: To perform a category-by-category comparison of the content of selected DRP classification systems to construct an aggregated cause-of-DRP classification system containing the content of all systems.

Method: DRP classification systems were identified after a literature review, with 7 chosen based on their use in varied health care settings, geographical diversity, frequency of use, and method of development. These systems were critically analyzed, and the content of each category was compared and aggregated where appropriate. A hierarchy of categories





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Research in Social and Administrative Pharmacy 4 (2008) 320–331



Comparing 4 classification systems for drug-related problems: Processes and functions

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Department of Public Health and Caring Sciences, Uppsala Science Park, 751 85 Uppsala, Sweden

Classification of drug-related problems

Abstract

Background. Drug-related problems are prevalent and cause considerable patient morbidity and in some cases death, as well as increased health care expenditures. A classification system may contribute to identify such problems, and further to resolve and prenat them

al and methods. A draft classifivas sent to a broad panel of ans and pharmacists and comwere requested. Consensus was after two subsequent reviews

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Diakonhjemmet sykehusapotek og Institutt for farmakoterapi

Universitetet i Oslo Hege Salvesen Blix

Nasjonalt folkehelseinstitutt og Lovisenberg Diakonale Sykehus mursing homes, pharmacies) and contexts (research, clinical practice) and with varying access to relevant clinical information (from patients, medical records, drug charts and prescriptions).

Material and method

Development of a classification system
The process started with a seminar for ten
physicians and pharmacists who had experience with medication reviews from research
or clinical practice. A working group
(authors) developed a draft for classification
with a hierarchical structure based on a
European system (15), to ensure comparability with international studies.

Elements from a modified Delphi tech-

Evaluating categorisation and clinical relevance of drug-related problems in medication reviews

Anne Gerd Granas · Christian Berg · Vidar Hjellvik · Cecilie Haukereid ·
Arvid Kronstad · Hege S. Blix · Bente Kilhovd · Kirsten K. Viktil ·
Anne Marie Horn



Comparison across boarders in clinical pharmacy

STOPP/START criteria for potentially inappropriate prescribing in older people: version 2

DENIS O'MAHONY^{1,2}, DAVID O'SULLIVAN³, STEPHEN BYRNE³, MARIE NOELLE O'CONNOR², CRISTIN RYAN⁴, PAUL GALLAGHER²

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Experiences and reflections

g STOPP 2 for enda bedre ddelbehandling hos eldre

g STOPP er systematiske verktøy til støtte for valg av semiddelbehandling hos eldre. De bygger på faglitteratur og europeisk

emidler

ekspertkonsensus, og er nylig kommet i revidert utgave.

23.04.2015 | Åse Sofie Skjerdal

Hos eldre er ofte effektene av legemidler endret på grunn av alder og

Graviditet og fødsel

Immunsykdommer

Kvalme svimmelhet

Gynekologi

Hjerte, kar

Infeksioner

KOLS

Kreft

Luftveier

Mage, tarm

Munn, svelg

Muskel, skielett

Nukleærmedisir

Hud

sykdom. <u>START og STOPP</u> kan bidra med nødvendig spesialkunnskap:

START (screening tool to alert doctors to right treatment) sier noe om hvilke legemidler som er best egnet for den eldre pasienten.

STOPP (screening tool of older people's potentially inappropriate prescriptions) handler om hvilke som ikke bør brukes.

START 2 og STOPP 2 finner du

i Helsebiblioteket.no under <u>Legemidler</u>, pasientgruppen <u>Eldre</u>. Lenkene går till Norsk legemiddelhåndbok, som har en god <u>elektronisk utgave av START 2 og STOPP 2</u>.

Se også:

 Ranhoff, AH, Bakken, MS, Granås, AG et al. <u>Bedre</u> legemiddelbehandling av eldre. Tidssk Nor Legeforen 2015; 135;



G24 Legemiddelgjennomgang (LMG)

- Publisert: 27.09.2012
- Sist endret: 16.01.2015

Tabell 1 START

START Screeningverktøy for forskrivning av legemidler til eldre

Anne Gerd Granås (2014).
START 2 (Screening Tool to Alert to Right Treatment)

Følgende legemiddelbehandling skal vurderes hos eldre > 65 år med mindre:

pasienten er i siste fase av livet og fokus er lindrende behandling

pasienten er i siste lase av livet og lokus er lindrende behandling
 det er åpenbar(e) grunn(er) til at behandlingen ikke skal brukes

Det forutsettes at forskrivende lege vurderer alle spesifikke kontraindikasjoner til behandlingsforslagene før mar anbefaler dem til eldre pasienter.

Oversatt til norsk av Marit Stordal Bakken. Sabine Ruths, Anette Hylen Ranhoff, Olav Spigset, Aina Langgrou

A: Hierte- og karsystemet

- Warfarin, dabigatran, apiksaban eller rivaroksaban ved kronisk atrieflimmer.
- Acetylsalisylsyre 75–160 mg en gang daglig ved kronisk atrieflimmer, der warfarin, dabigatran, apiksaban og rivaroksaban er kontraindisert.
- Blodplatehemmer (acetylsalisylsyre, klopidogrel eller prasugrel) ved kjent koronar, cerebral eller perifer karsykdom.
- Statinbehandling

 C, (f.eks. simvastatin eller atorvastatin) ved kjent koronar, cerebral eller perifer karsykdom hvis ikke pasienten er i livets siste fase eller er > 85 år.

7. Betablokker (f.eks. metoprolol) ved iskemisk hjertesykdom ...



What does it take?

Who leads the way?
Time for network building?
Who writes the research application?
Nordic and baltic funding?
EU-funding?







ResearchGate



Diskusjon

Medlemmer

Arrangementer

Bilder

Filer

Søk i denne gruppen



What if it's NO money?

Project period

From date 01.01.2013 To date 31.12.2015

PLANNED PARTICIPANTS

Getting only partly funding?
Getting no funding?
Having a plan B?



	Involved researchers		Other par		Country total		
	M	F	M	F	Male	Female	Total
Denmark	0	4	0	0	0	4	4
Finland	2	8	0	0	2	8	10
Norway	0	5	0	0	0	5	5
Sweden	4	2	0	0	4	2	6
Total	6	19	0	0	6	19	25

#53361 Health promotion through medicine education

APPLICATION INFORMATION

Application ID 53361

Submitted by Tuula Keinonen

Last updated 03.04.2012

Call Research Projects "Education for Tomorrow"



Meld. St. 10

(2012–2013) Melding til Stortinget

God kvalitet - trygge tjenester

Kvalitet og pasientsikkerhet i helse- og omsorgstjenesten



Influence on clinical pharmacy policy:

Why go Nordic? Why go Baltic? Why go European?



St.meld. nr. 47

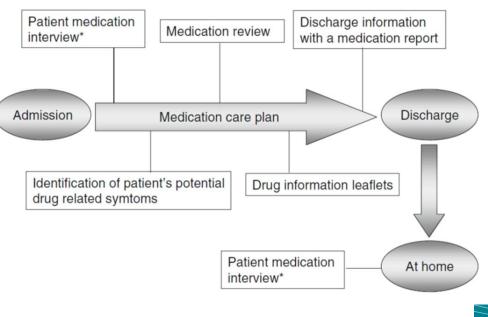
(2008-2009)

Samhandlingsreformen

Rett behandling - på rett sted - til rett tid







Riktig legemiddelbruk til eldre pasienter/beboere på sykehjem og i hjemmesykepleien Forslog til tiltak



Summary

We can strengthen research by using joint protocols and/or supervision!

Is it **you** who will **take the lead** in performing clinical phamacy studies acoss the Nordic and Baltic countries?

