

Medicines Information

An Introduction for Pre-Registration Pharmacists

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Aims of Medicines Information Services

To promote the safe, effective and
economic use of drugs in patients

by the provision of accurate and
independent information and advice
(reactively and proactively)

to all members of the health care and
related professions

Development of MI Services

- Over the last 30-40 years drugs and drug therapy have become increasingly potent and complex
the “therapeutic explosion”
- Potent medicines have led to an increased incidence of adverse effects
- Literature on drugs has increased massively
the “information explosion”

Medline: >3200 journals published in >70 countries

	<u>March</u> <u>1997</u>	<u>March</u> <u>2001</u>	<u>March</u> <u>2008</u>
ACE inhibitors	8088	22094	35623
captopril	3324	7997	10441
enalapril	1807	4419	5423
fosinopril	45	212	341
lisinopril	150	992	1582
ramipril	99	760	1257

Development of MI

- A increasing demand form information on drugs and drug therapy that was:
 - » evaluated
 - » independent
 - » commercially unbiased
- **Specialist DI centres established:**
 - » 1969 (Leeds and London)
- Advent of ward, then clinical, pharmacy

UKMi Structure

Local MI Services (n=220)

All levels are in touch with each other providing network support and a wide range of outputs with minimum duplication

UKMi

**Regional/National
MI Services** (n=14+2)

**National MI
Strategy/Leadership**
(UKMI Exec)

UK MI Network



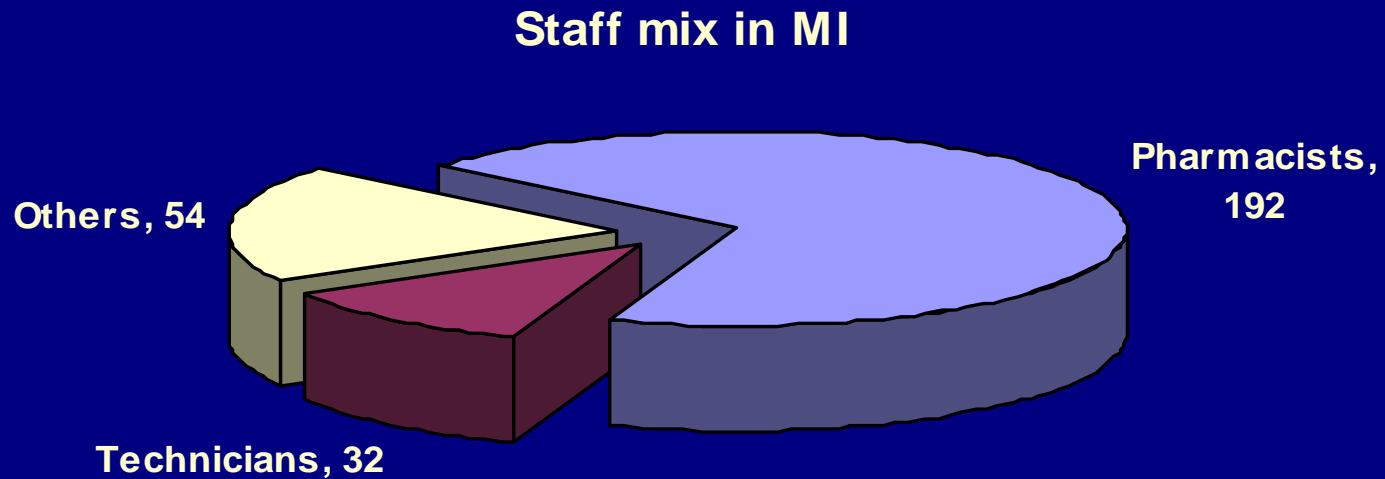
Local MI Centres in Trent

- Barnsley
- Chesterfield
- Derby
- Doncaster
- Kettering
- King's Mill
- Leicester
- Lincoln
- Northampton
- Nottingham - QMC
- Rotherham
- Sheffield - Royal Hallamshire
- Sheffield - Northern General
- Sheffield – Childrens'

Who/what is UKMi?

- The network comprises staff at
 - 220 local MI centres
 - 14 regional centres
 - 2 national centres (Wales and NI)
- **Manned by**
 - **Pharmacists**
 - **Technicians**
 - **Others**
- National leadership provided by UKMi Executive

Our skill mix (WTEs)



■ National

- » Training
- » Standards
- » Strategic development
- » IT
- » PharmLine
- » New products

■ Regional

- » National input
- » Proactive
- » Audit
- » Local DI support
- » PCT support
- » Website

Roles

■ Local

- » Regional input
- » Query answering
- » Training
- » Local strategic support
- » Ward-based support/input

Reactive vs Proactive Information

■ Reactive: Query answering

- » Telephone
- » Letter
- » Visit
- » Ward rounds

■ Proactive: Education/awareness

- » Bulletins
- » Newsletters
- » SDI
- » Seminars/lectures
- » Ward rounds

Enquirers/Users

■ Medical staff

- » Hospital
- » General practice
- » Teaching

■ Nurses

- » Ward
- » Teaching
- » Administrative
- » Community

■ Other hospital staff

- » Dieticians
- » Biochem/pathology
- » Physiotherapy etc

■ Pharmacists

- » Hospital
- » Community
- » Academic
- » HA/PCT/practice

■ Other users

- » Police
- » Press
- » General public
- » Solicitors
- » etc

Enquiry types

- Availability
- Clinical use
- Contra-indications
- Cost
- Dosage
- Identification
- Interactions
 - » drug-drug
 - » drug-food
 - » drug-test
- Pharmacology
 - » mode of action
 - » pharmacodynamics
 - » pharmacokinetics
- Pharmaceutics
 - » formulation
 - » stability
 - » IV incompatibilities
- Toxicology
 - » side effects
 - » poisoning

We answer enquiries – a lot!

**<< nearly half a million enquiries
answered in 2007/8 >>**

Legal & Ethical Issues

- Confidentiality
- Law: copyright, data protection, Ffl
- Liability and negligence
- Enquiries from the police
- Enquiries and legal proceedings
- Dealing with the media
- Enquiries from third parties
- Physician-patient relationship

Prescribing support

- PCT Prescribing Advisers
- D&TCs / APCs
- Formularies
- Shared care
- Clinical guidelines
- PGDs
- NICE/NSF implementation

Other Activities

- **New product management**
 - » Horizon scanning
 - » Evaluations
 - » D&TC support
- **Patient/General Public information**
- **Specialist advisory services**
 - » Renal/hepatic
 - » Lactation/pregnancy
 - » Paediatrics/Psychiatry/HIV
 - » Alternative medicine/Travel medicine

Developments in MI

■ Users

- » PCTs/Commissioners
- » Practice pharmacists
- » General public/NHS Direct
- » Independent prescribers

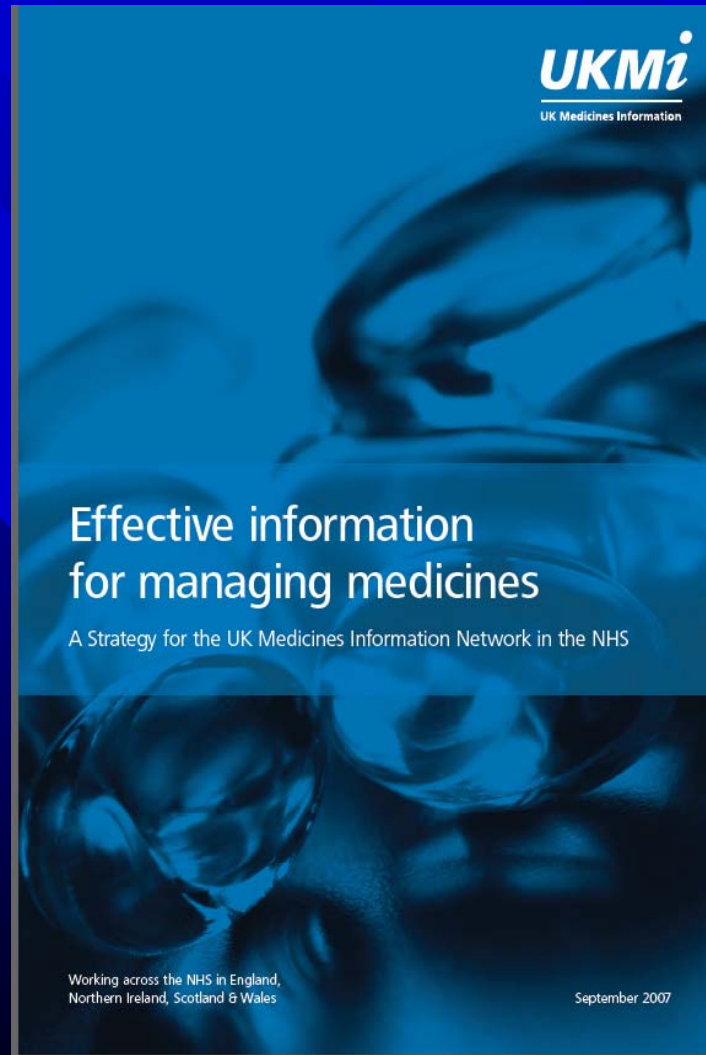
■ Technology

- » Internet/MI websites
- » NHS Net
- » Prescribing support systems

■ Services/strategy

- » Primary care/Commissioning
- » New drugs/NICE/NHS Evidence
- » Skill mix/Technicians

Strategy and leadership



Liaison with partners

- **NHS Direct / NHS24**
- **PIPA / ABPI**
- **RPSGB**
- **NPSA**
- **NPC**
- **NHSC / SMC / AWMSG**
- **MHRA**
- **NLH / NKS / CfH**

Drivers for the future

- PCT developments/Primary care restructuring
- Commissioning incl PBC
- Non-medical prescribing
- Darzi report
- NHS Evidence / NICE
- e-Prescribing / EPR
- GP and Community Pharmacy contracts
- Social Services & Care of the elderly
- Professional regulatory and professional bodies
- Patient-driven choice/support (NHS Direct, NHS Choices)



Headlines

new on site

- Giving data as natural frequencies may be best for presenting statin information to patients
- Giving data as natural frequencies may be best for presenting statin information to patients
- Seeking treatment for sore throat: helping patients decide
- Digoxin in AF seems to have neutral effects on death and major cardiovascular events



New drugs

new drugs for GPs, ukmi stage 4

Prescribing support

cost comparisons, MTRAC, patents, formularies, traffic lights,

Primary Care Support

Discussion Group, PCT resource pack

Guidelines

clinical, non clinical, shared care, Rarely used drugs, PGD's

Therapeutics

bulletins, clinical trials, query summaries, latex database

Links

Drugs in lactation

guidance, quick reference guide

Resources

calculators,

MI Support

training, meetings, reports

UKMi Central

directories, trent, west midlands, web design

Enquiries

trent, west midlands, breast milk, web design

Search

site, headlines, links

UKMi

This site is jointly maintained by the Trent and West Midlands Regional Medicines Information Services.

This site is intended principally for healthcare professionals in primary and secondary care.

search powered by Google™ Search

Members of the public, should, in the first instance contact NHS Direct.



UKMi Information	Information	MI News
<div data-bbox="57 242 425 499"> </div> <div data-bbox="57 528 425 678"> </div> <div data-bbox="57 706 425 821"> </div>	<p>Welcome to the UK Medicines Information website.</p> <p>This site is designed to support the UKMi network. It hosts our strategy, policies, clinical governance standards and training materials, together with minutes of meetings of the UKMi Executive and its working groups.</p> <p>UKMi resources to support medicines management initiatives are hosted by the National electronic Library for Medicines (NeLM).</p> <p>Resources for the public can be found at NHS Direct.</p> <p>For UK health professionals, click on the map to search for your local medicines information centre.</p>	<ul style="list-style-type: none"> ■ Medicines evaluation (LNDG): Tolvaptan for hyponatraemia [LINK] NEW (04/09/2009) ■ Medicines Q&A: Continuous infusion of PPIs (Update) [LINK] NEW (04/09/2009) ■ NTIS drug use in pregnancy summaries (<i>Toxbase registration required</i>) NEW <ul style="list-style-type: none"> ● propranolol [LINK] ● labetalol [LINK] ● atenolol [LINK] ● ribavirin [LINK] (04/09/2009) ■ Horizon scanning: Prescribing Outlook-New Medicines Sep 2009 (<i>Registration required</i>) [LINK] NEW (01/09/2009) ■ Thinking Ahead: Sexual health week [LINK] NEW (30/08/2009) ■ Medicines Q&A: Conceiving after antimalarials [LINK] NEW (30/08/2009) ■ Medicines Q&A: Magnesium sulphate given subcutaneously (Update) [LINK] (30/08/2009) ■ Medicines Q&A: Medicines considered safe in acute porphyrias (Update) [LINK] (30/08/2009) ■ Medicines Q&A: Does warfarin interact with oseltamivir or zanamivir? (Update) [LINK] (30/08/2009) ■ NICE Bites Aug 09: Lipid modification [LINK] (21/08/2009) <p>more >>></p>

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Health in focus

28/08/2009 [Thinking Ahead - Sexual Health Week](#)

THINKING AHEAD is a resource document for specific health events and seasonal conditions that may have a public health impact. This edition is for Sexual Health Week 14th - 20th September 2009

News

		NeLM Area:	Source:
Today	DH pandemic influenza guidance: Paediatric clinical pathways for health care professionals working in hospitals	NeLM News Service	Department of Health
Today	SMC does not recommend etoricoxib (Arcoxia™) for the treatment of ankylosing spondylitis	NeLM News Service	Scottish Medicines Consortium (SMC)
Today	European approval of sitagliptin (Januvia™) for restricted first line use in type 2 diabetes	NeLM News Service	Personal Communication
Today	Trospium chloride (Regurin XL™) capsules launched in the UK for the treatment of overactive bladder	NeLM News Service	PharmaLive
Today	Meta-analysis: treatment of Bell's palsy	NeLM News Service	BMJ
Today	Results of clinical trials that exclude participants from analysis likely to be biased	NeLM News Service	BMJ
Today	Sub-analysis: Baseline antiplatelet therapy increases haemorrhage risk after thrombolytic therapy for ischaemic stroke	NeLM News Service	Reuters Health News
Today	Europe-wide discontinuation of auranofin (Ridaura™)	NeLM News Service	Personal Communication
07/09/2009	NICE issues FAD for prasugrel in the treatment of acute coronary syndromes with percutaneous coronary intervention	NeLM News Service	NICE
07/09/2009	MHRA Drug Safety Update: Pseudoephedrine and ephedrine: update on measures to reduce risk of illicit use	NeLM News Service	MHRA

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www.ukmi.nhs.uk

www.ukmcentral.nhs.uk

www.nelm.nhs.uk

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