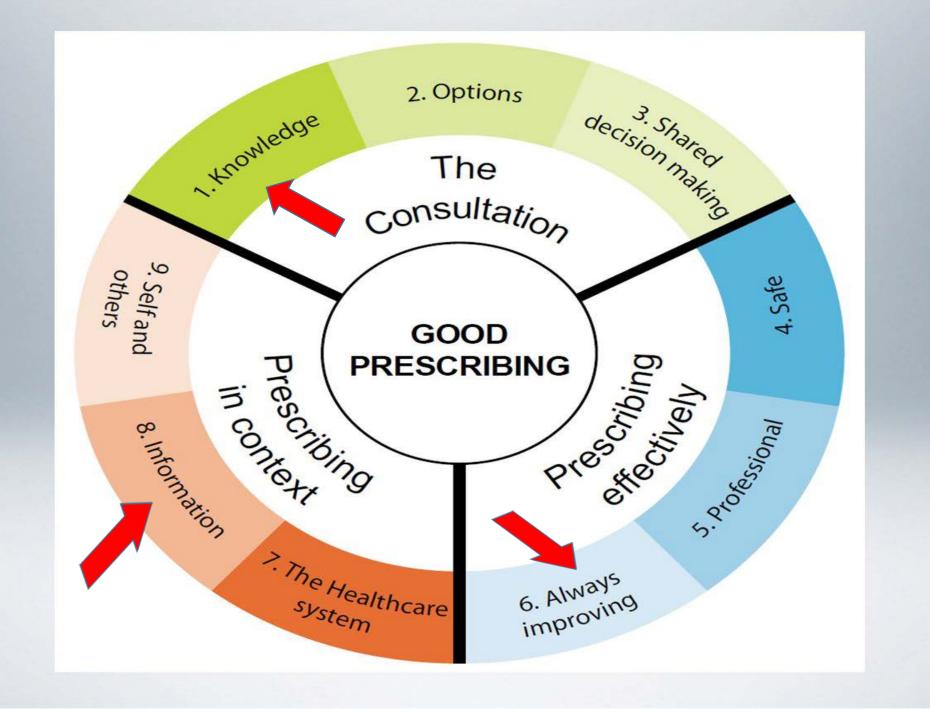


# Finding evidence for prescribers

Dr Elaine Maxwell

Clinical Advisor

NIHR Dissemination Centre



# The Challenge

**KNOWN** 

UNKNOWN

Current competency Identified educational needs Things you should know about New knowldege

# Evidence required

- Pharmaceutical –mechanism of drug
- Socio technical –the way people use drugs
- Efficacy –relative advantages
- Alternatives –non pharmaceutical
- Governance –including legal accountability

# How do non medical prescribers make decisions on prescribing?

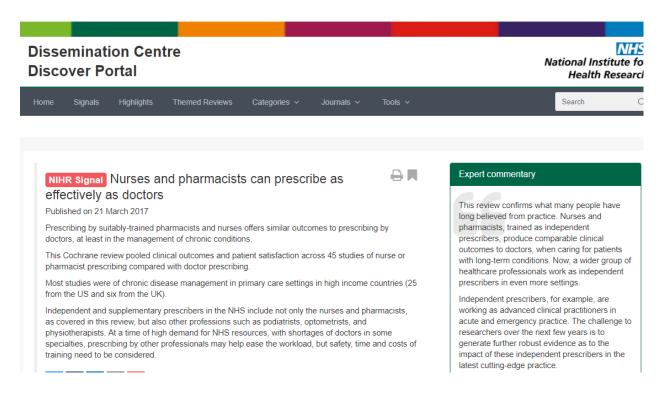


- This systematic review has identified a paucity of research around NMPs' prescribing decision-making with only three studies meeting the inclusion criteria.
- Evidence based guidelines key influence
- Opposing influences included prioritisation of experience and concern about complications over evidence base, and peer conflict.

# Risky Business

Medication errors comprised 11% of the 1.2 million incidents recorded via the National Learning and Reporting Service in 2011 (NRLS 2011)

But no difference between professions



#### Prevalence, Nature, Severity and Risk Factors for Prescribing Errors in Hospital Inpatients: Prospective Study in 20 UK Hospitals

Authors

Authors and affiliations

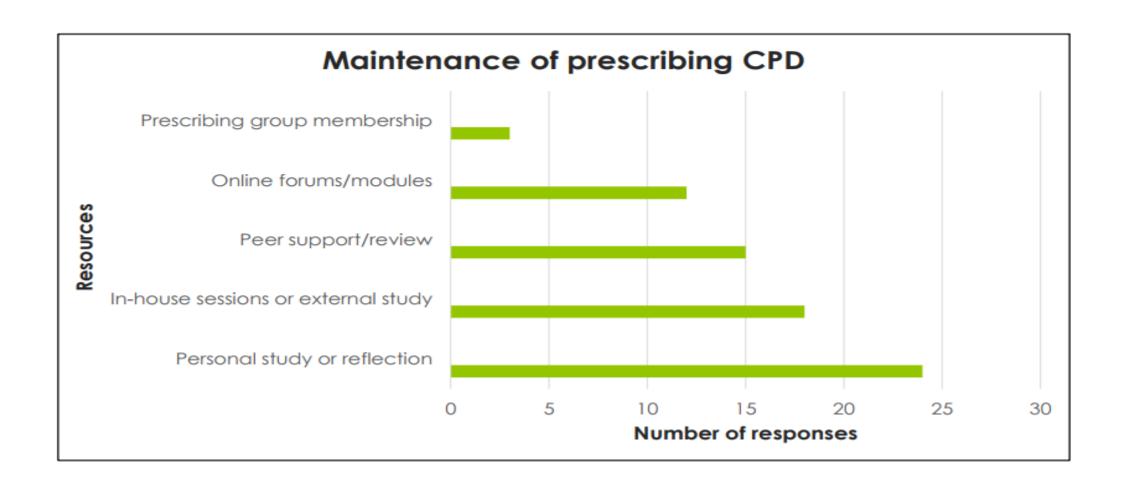
Darren M. Ashcroft , Penny J. Lewis, Mary P. Tully, Tracey M. Farragher, David Taylor, Valerie Wass, Steven D. Williams, Tim Dornan

Table 2
Prescribing error rates per medication order written by prescriber and prescribing stage

Prescriber	Description	On admission	During stay	When drug chart re- written	At discharge	Missing
Pharmacist prescribers	Orders written	12	41		131	3
	Errors (n)	6	0		0	0
	Errors [% (95 % CI)]	50.0 (0– 101.7)	0.0 (-)		0.0 (-)	0.0 (-)
Nurses prescribers	Orders written	456	366	32	114	56
	Errors (n)	21	22	0	6	4
	Errors [% (95 % CI)]	4.6 (2.3- 6.9)	6.0 (2.1– 9.9)	0.0 (-)	5.3 (0.7– 9.9)	7.1 (0.1– 14.2)

# How do NMP get their for evidence?

(Nimmo, Paterson and Irvine, 2017)

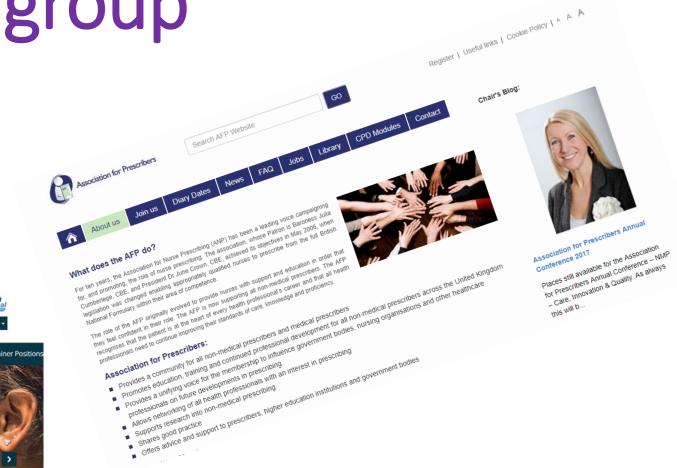


# Special interest group membership









## Guidelines

Secure https://www.nice.org.uk/guidance/published?type=mpg,ktt NIHR DC I Filter by last updated date Managing medicines for adults receiving social care in the NG67 March 2017 March 2017 e.g. 01/2015 From community To e.g. 01/2016 Patient Group Directions MPG2 August 2013 March 2017 Filter by type Multimorbidity and polypharmacy KTT18 January 2017 January 2017 Guidance Psychotropic medicines in people with learning disabilities whose KTT19 January 2017 January 2017 NICE guidelines behaviour challenges Antimicrobial prescribing guidelines Cancer service guidelines Safer insulin prescribing KTT20 January 2017 January 2017 Clinical guidelines Medicines practice Medicines optimisation in long-term pain KTT21 January 2017 January 2017 guidelines Public health guidelines January 2017 Type 2 diabetes mellitus: medicines optimisation priorities KTT12 January 2015 Safe staffing guidelines Social care guidelines Non-steroidal anti-inflammatory drugs KTT13 January 2015 January 2017 Diagnostics guidance Highly specialised Wound care products KTT14 January 2015 January 2017 technologies guidance

### Other on line resources

**Twitter** 



#wepharmacists
@NursPrescribing

Super connectors

Blogs Facebook Groups Journal contents emails RSS feeds



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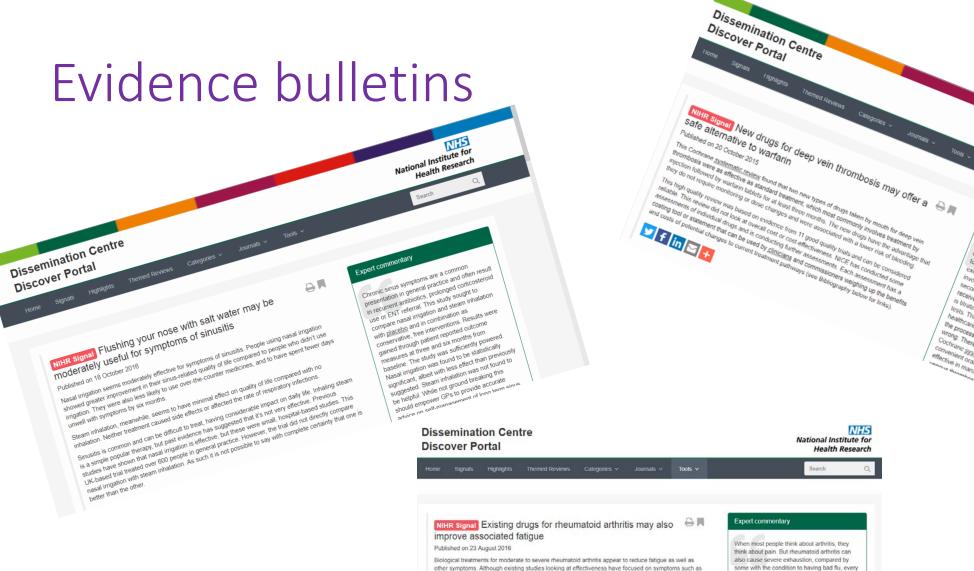
Current issue



Current issue

Section feeds





pain, their combined results suggest this additional benefit.

consideration for patients and prescribers.

⊌ f in 🖾 🛨

condition, but to date it has been uncertain if this could affect fatigue.

Biological treatments work by reducing the joint inflammation and destruction associated with the

measured and reported varied between studies, making it harder to compare findings.

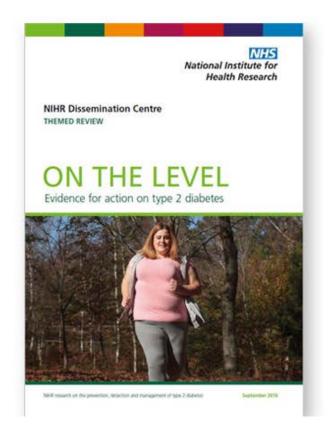
Fatigue was not a main outcome in any of the included studies in this Cochrane review. The way it was

Overall, these drugs seem to give a small to moderate reduction in fatigue, which may be an important

When most people think about arthritis, they think about pain. But rheumatoid arthritis can also cause severe exhaustion, compared by some with the condition to having bad flu, every single day. The impact of fatigue on wellbeing, ability to participate in everyday life or go to work is huge and people with arthritis consider it as important a symptom as pain. We don't routinely measure fatigue in clinical practice, though, or allow it to inform clinical decisions. If biologic drugs can have such an impact, maybe it's time we did?'

National Institute for

Dr Benjamin Ellis, Consultant Rheumatologist, Charing Cross Hospital; Senior Clinical Policy Advisor, Arthritis



#### ON THE LEVEL

This themed review brings together
NIHR research on each aspect of type 2
diabetes care. It features:

- 35 published studies
- 19 ongoing studies
- Questions for patients, commissioners, GPs, community nurses and others
- Patient voices



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Start typing and select from the choices given please enter your organisation

Full work / placement address

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should access the relevant service using the links below: Scotland - https://www.athensregistration.scot.nhs.uk/ • Wales - https://register.athensams.net/cym/

- Northern Ireland http://www.honni.qub.ac.uk/

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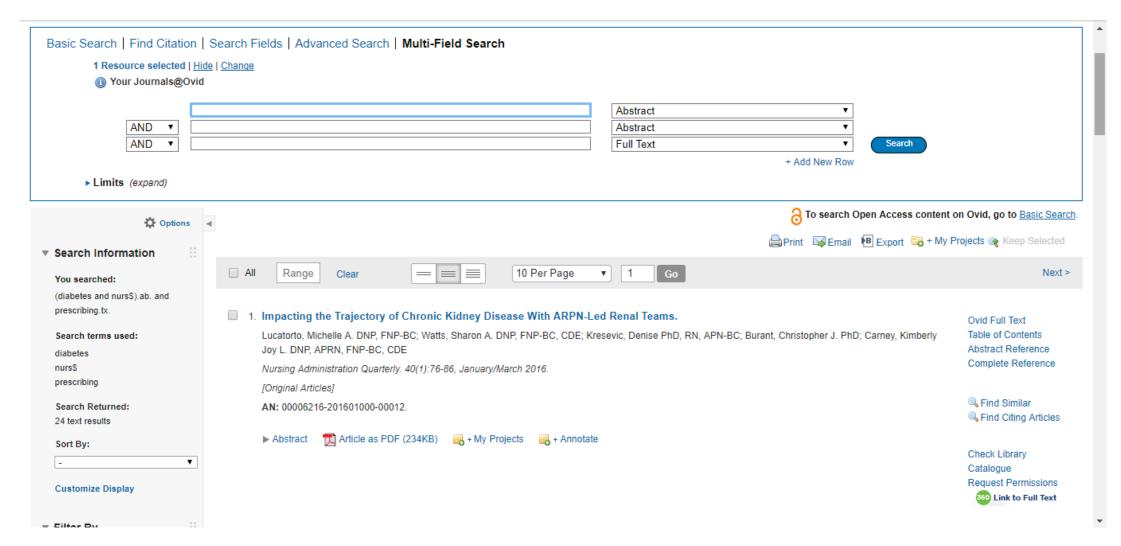
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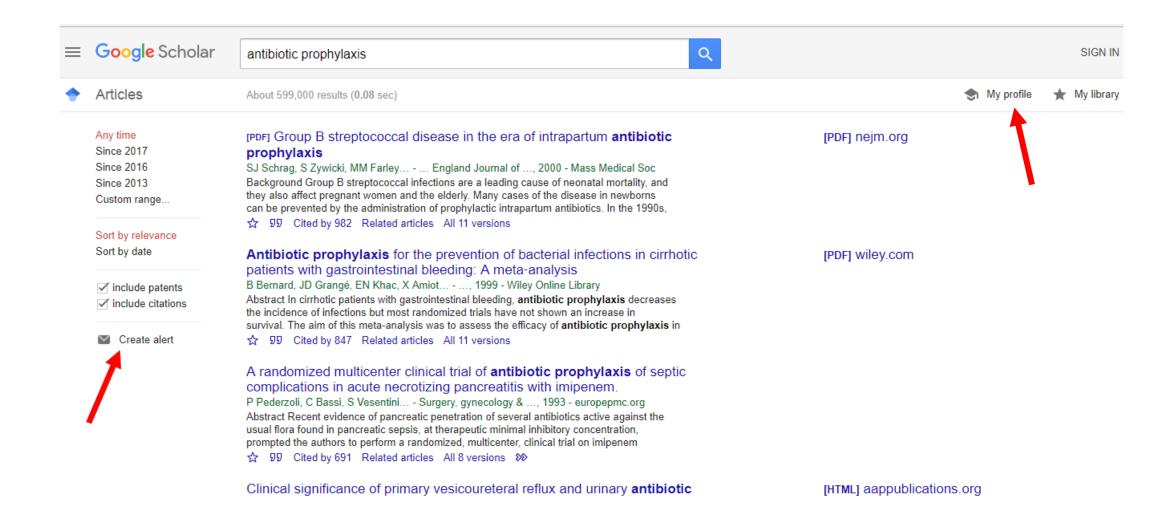
## Literature searches

Saved searches of key terms with Boolean operators
 Medline, Ovid and Cinhal

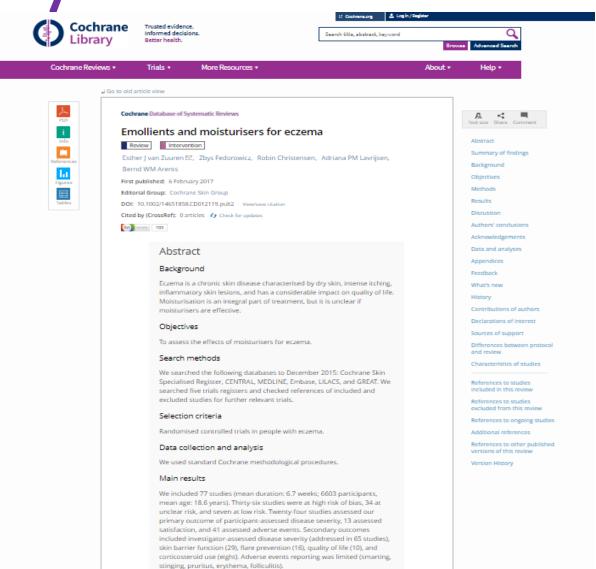
 Citation alerts – email you went an article you were interested is cited in another publications

### Literature searches





## Systematic reviews



Six studies evaluated moisturiser versus no moisturiser. Participant-

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Dombrowski, Ellen MSN RN, FNP-BC, DNPc; Fitzpatrick, Aileen MSN RN, FNP-BC, DNPc; Hall-Alston, Jane MSN RN,

ANP-BC, OCN, DNPc; Barnes, Cheryl DNP MSN, RN, FNP-BC; Singleton, Joanne PhD, RN, FNP-BC, FNAP, FNYAM

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- Coaching/clinical supervision
- Clinical audit
- Reflective accounts
- Patient feedback
- Benchmarking