



Polypharmacy Action Learning Sets GP Practice Learning.

2021



Designed, developed and delivered by:





Health Education England

and





These slides are only to be used for cascade training by attendees of the Polypharmacy Action Learning Sets





01 Size and scale of Polypharmacy.

What are we doing about it?

03 Strategic and policy context.

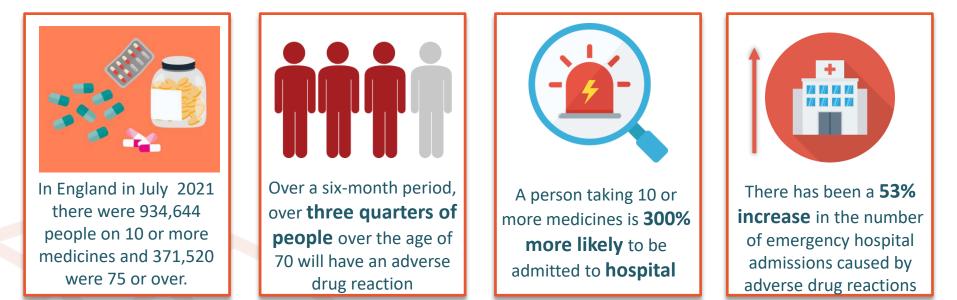
Technical and behavioural elements to addressing problematic Polypharmacy.

Tools and further support.

Size and Scale of Polypharmacy



Medicines are intended to help patients but they can cause harm...



Polypharmacy adds preventable cost to the healthcare system <u>and</u> diminishes quality care for the patient

We dispense over 1 billion prescription items per year in Primary care in England

Most of the harm from polypharmacy is preventable.....

02 What are we doing about it?

IT'S GLOBAL

WHO has said "given that medicines are the most common therapeutic intervention, ensuring **safe medication use and** having **processes** in place to improve medication safety should be of **central importance**".

IT'S A BIG CHALLENGE AND GROWING

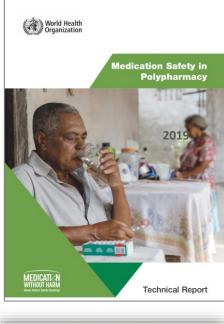
We dispense over a billion prescription items a year in primary care in England each year.

Age UK have recently highlighted the issue RPS published guidance

ACTION IS NEEDED

NHS BSA Polypharmacy Prescribing Comparators tool is available to help GPs and Pharmacists find the people most at risk.

Shared Decision Making consultations are helping clinicians and patients to reach agreement about what is important to the patient and what is clinically important.







Why more isn't always better with older people's medicines



Strategic and Policy Context

NHS Long Term Plan

Commitment to increase the number of Pharmacists working in General Practice. Highlights the importance of Structured Medication review

Primary Care Networks

Funding for PCNs to secure Pharmacists

QOF

Update

NICE guidance on Shared Decision Making (SDM) DHSC Overprescribing review





The role of the NHS BSA Polypharmacy Prescribing Comparators?



U	

Benchmarking polypharmacy prescribing

Use the data tool **see how GP practices' prescribing** (both volume and risky combinations of medicines) **compares to others' in England.**

Prioritise and identify those at risk from harm



The tool **helps GP practices to quickly and reliably prioritise** the areas where practices have the most risk (because you can't review everyone) Then, **without any additional technology or kit**, the GP practice can identify which of their patients most require a medication review.

Measure the harm

The data is updated every month so clinicians can quickly see the impact of their interventions.

The NHS BSA Polypharmacy prescribing comparators are **available to all 191 CCGs** in England and their constituent GP Practices

What does the tool look like?



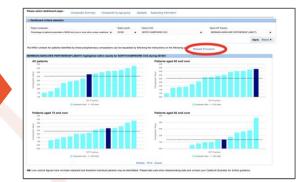
Look at your local polypharmacy data via ePACT 2 and select an area of concern

Portsmouth CCG percentage of patients with Anticholinergic Score of 9 or more





Complete the "request procedure" to access the NHS numbers of the patients in your practice deemed to be at risk and invite those patients for a medication review





STEP 3 d

Make a difference!

NE Hampshire and Farnham CCG supported every practice to do this well and have demonstrated a decrease in all polypharmacy comparators at double the national average rates!

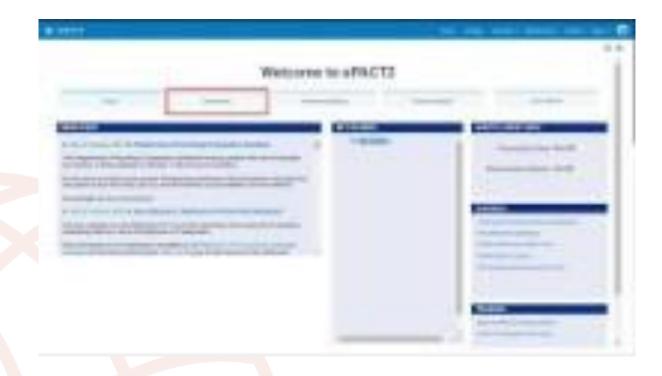
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Polypharmacy			Frightman, An Internet United	chine Longerstein Site - Neuron	Autor V	a bervites du
 Multiple practices in CCG North East H and Farnham have requested NHS num polypharmacy patients (active user). 	nbers fo	r their				1
 Performance is decreasing in all meas 	ures (m	ore				
 Performance is decreasing in all meas than double the national average). 		ore National		NE Ham	CCG pshire &	Farnha
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than double the national average).		National	Change 0.00		pshire &	Chan
than double the national average).	Baseline	National Current		Baseline	pshire & Current	Chan -0
than double the national average). Measure Average number of unique medicines per patient	Baseline 3.50	National Current 3.50	0.00	Baseline 3.20	Current 3.16	Chan -0 -0
than clouble the national average). Measure Average number of unique medicines per patient Percentage of patients prescribed anticoaguants and antipatients	Baseline 3.50 0.10	National Current 3.50 0.09	0.00	Baseline 3.20 0.22	Current 3.16 0.16	
than double the national average). Measure Arcage number of unspin motions per patient Percentage of patients prescribed and compare modicines Percentage of patients prescribed 10 or more unspin modicines Percentage of patients Percentage	Baseline 3.50 0.10 5.19	National Current 3.50 0.09 5.18	0.00 -0.01 -0.01	Baseline 3.20 0.22 3.92	Current 3.16 0.16 3.62	Chan -0 -0



To access your data go to: nhsbsa.nhs.uk/epact2/dashboards-and-specifications/medicines-optimisation-polypharmacy For more resources go to https://wessexahsn.org.uk/projects/160/polypharmacy-what-next-planning-for-wessex

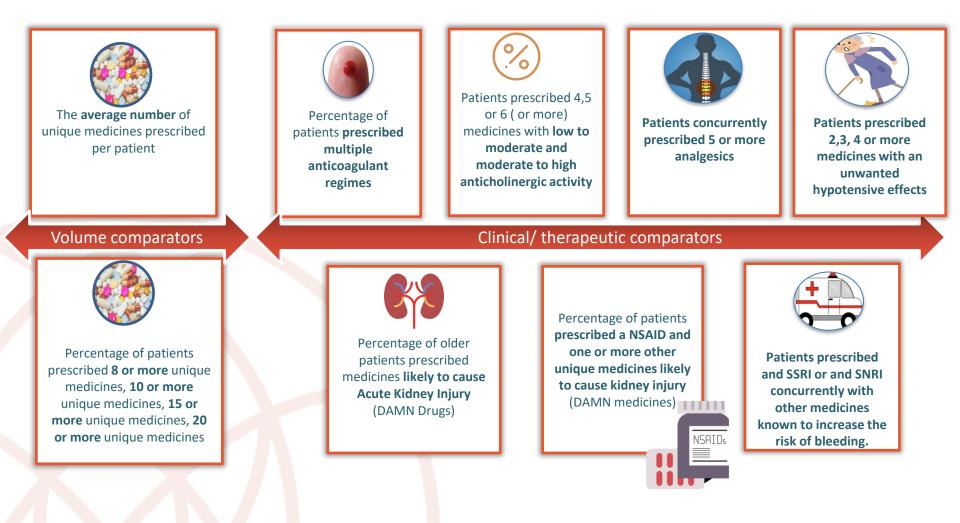
Polypharmacy prescribing comparators in action:







What do the comparators measure?



What about patients?



COMPARING DATA FROM BEFORE JULY 2017 (PUBLICATION DATE OF COMPARATORS) TO JUNE 2019:



9,400 fewer patients

prescribed 10 or more unique medicines



25,900 fewer patients

prescribed a NSAID and one or more other unique medicines likely to cause kidney injury



58,300 fewer patients

prescribed two or more unique medicines likely to cause kidney injury (DAMN medicines)



4,800 fewer patients

with an anticholinergic burden score of 6 or more



7,500 fewer patients

with an anticholinergic burden score of 6 or more aged 65 and over and



700 fewer patients prescribed two or more anticoagulants and antiplatelet medicines





- Using the data, the North East Hampshire and Farnham CCG Care Home Pharmacist has has undertaken over 250 reviews and made over 800 interventions. As a result;
- The average number of medicines per patient has reduced from 9.4 to 7.6
- The average anticholinergic burden score has reduced from 1.39 to 1.00

WHO have cited evidence that pharmacist-led medication reviews reduce hospital admissions.

Prescribing we should be concerned about...





Practitioners should always think about "red flag" drugs in the same way as diagnostic red flags



CONCERNING COMBINATIONS

DAMN drugs

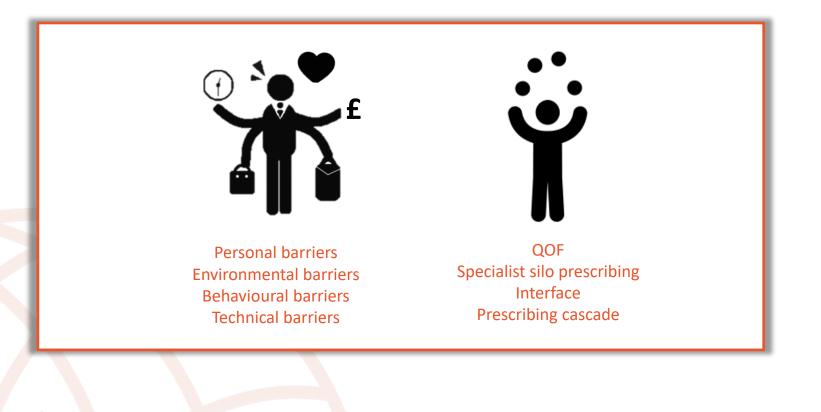
(Diuretics , ACEI/Angiotensin antagonists/ Metformin / NSAIDs Anticholinergic Burden

CNS drugs (Opiates / GABA / Antidepressants / Antipsychotics / Anxiolytics

PINCER OR THE NHS BSA POLYPHARMACY PRESCRIBING COMPARATORS WILL HELP YOU TO IDENTIFY THESE TYPES OF PATIENTS IN YOUR PRACTICE.

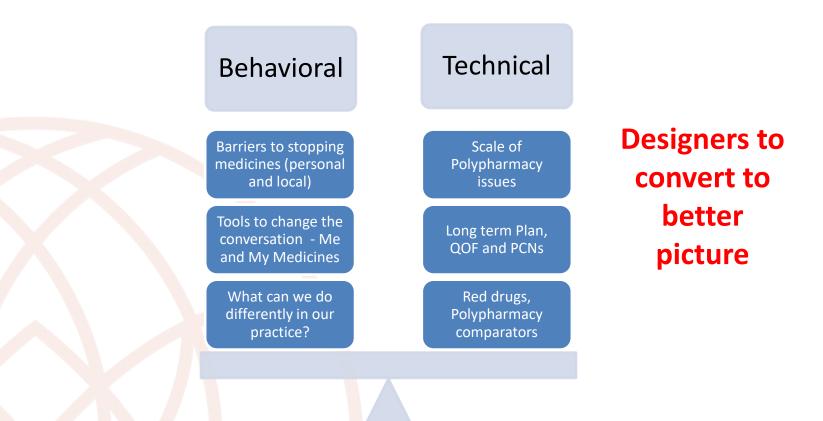
Victim or villain?





We all work in a **complex** and **overburdened system....**







Behavioural tools to address problematic polypharmacy

- Firstly, you can't be expected to do good shared decision making in a 7-minute consultation
- No single tool can fix this
- Change is about moving towards shared decision making over time
- Working together as GPs and Patients to learn how to do this together
- There are ways to make shared decision-making work well





ome > Funding and partnerships

MAGIC: Shared decision making

Technical tools to address problematic polypharmacy



Scottish Polypharmacy Guidance: Realistic Prescribing 2018





Polypharmacy Guidance Realistic Prescribing 3rd Edition, 2018



Size & scale of Polypharmacy

University Hospital Southampton



MEDICINE SAFE



This is Raymond. At an appointment for a suspected UTI, Raymond's GP, Dr Clarke, asks him about his general health. He says he's been 'feeling his age' recently. He's 74 years old and his angina has been playing up. He knows he gets a bit confused sometimes and finds it harder to do crosswords these days. He's also constipated and doesn't eat as much as he used to: and he had to have tooth out last week

Raymond saw his GP a few months ago about vertigo, and was prescribed prochlorperazine 5mg three times daily. He's taking veral other medicines and Dr Clarke reviews them

+ Amlodipine 10mg daily. + Atorvastatin 40mg at night. + GTN spray when required. Amitriptyline 25mg twice daily for neuropathic pain.

Visit:

https://www.medicinesafety.co.uk/p/anticholine rgics-introduction.html

Technical tools to address problematic polypharmacy



03 NO TEARS model (2004)

The NO TEARS tool

Need and indication

Open questions

Tests and monitoring

Evidence and guidelines

Adverse events

Risk reduction or prevention

Simplification and switches

the**bmj**





7 STEPS

focuses on person centred care and the need for shared decision making

Discuss with support hefers standay		wing specialist advice			
Discuss with expert before stopping	Discuss with expert before altering				
 Diuretics - in LVSD (7) 	 Anti-epileptics Thyroid hormone 			1	
 ACE inhibitors - in LVSD (<u>17</u>) 		 Antipsychotics Amiodarone 		1	
 Steroids 	 Mood stabilisers 		betics (<u>34</u>)		
 Heart rate controlling drugs 	 Antidepressants 	o Insulin			
	 DMARDs 			4	
Step 3: Potentially unnecessary drug the		lastian Banafita	Piek		
Check for expired indication		Check for valid indication Benefit versus Risk			
 PPI(<u>1</u>)/H² blocker (<u>2</u>) Laxatives (<u>3</u>) 	 Anticoagulant (5) Anticoagulant + a 		inals (<u>12</u>)		
 Antispasmodics (4) 	 Anticoagulant + a Aspirin (6) 	o Statins			
o Oral steroid (22, 36)	 Dipyridamole (6) 		teroids (20)	1	
 Hypnotics/anxiolytics (24) 			ia drugs (26)	1	
	 Diuretics (7) 			1	
 H¹ blockers (29) Motocleosomide (28) 	 Digoxin (<u>9</u>) 	o Bispho:	phonates (<u>37</u>)		
 Metoclopramide (28) 	 Peripheral vasor 	Step 4: Effectiveness			
 Antibacterials (oral/topical) (32) Antifumente (oral/topical) (32) 	 Quinine (11) Antiorrhythmics 	If therapeutic objectives are not achieved		following ind	dications:
 Antifungals (oral/topical) (<u>33</u>) 	 Antiarrhythmics 	Consider intensifying existing drug the			from specified drug therapy
 Sodium/potassium supplements (44, 45) 	 Theophylline (2) 	 Laxative - Constipation (3) 	 see Drug Efficacy (
 Iron supplements (<u>44</u>) 	 Antipsychotics (Antihypertensives - BP control (15) Antidiabetics - HbA_{1c} control (34) 			CEI/ARB, beta blocker botic, statin, ACEI/ARB
 Vitamin supplements (44) 	 Tricyclic antidep 	o Warfarin - INR control	 LVSD - Diuretic, AC 		
 Calcium/Vitamin D (44) 	 Opioids (<u>30</u>) 	 Rate limiting drugs - Heart rate? 	o AF - Antithromboti		
 Sip feeds (44) 	 Levodopa 	o Respiratory drugs – Symptoms?	 DMT2 - Metformin 		
 NŠAIDs (46) 	 Nitrofurantoin (Pain control 	 High fracture risk - 	- Bone protect	tion
 Drops, ointments, sprays etc. (49) 	 Alpha-blockers 	Step 5: Safety			
	 Finasteride (40) 	Drugs poorly tolerated in frail adults	Highrisk clinical sci	enarios	
	 Antimuscarinics 	See Gold National Framework on frai			 NSAID + age >75 (without PPI)
	 Cytotoxics/imm 	 Antipsychotics (incl. phenothiazine) o <u>Sick day rule guida</u>	ince	 NSAID + history of peptic ulcer
	(43)	o NSAIDs (46)	 Metformin + dehy 		 NSAID + antithrombotic
	 Muscle relaxant 	 Digoxin (doses ≥ 250 micrograms) (Benzodiazepines (24) 	 ACEI/ARBs + dehyd Diuretics + dehydr 		 NSAID + CHF Glitazone + CHF
		 Anticholinergics (incl. TCAs) (27) 	 NSAIDs + dehydrat 		o TCA + CHF
		 Combination analgesics 	o NSAID + ACEI/ARB		 Warfarin + macrolide/guinolone
			o NSAID + CKD		○ ≥2 anticholinergics (Anticholinergic)
		Service and the service of the servi			Burden Tool)
		Step 6: Cost-effectiveness			
		Check for			
		 Costly formulations (e.g. dispersible 			 Unsynchronised dispensing intervals
		 Costly unlicensed 'specials' 	 >1 strength or form same drug 	nulation of	(28 or 56 day supplies)
		Step 7: Adherence/patient centre			
		Check Self-Administration (Cognitive		ration (Techn	ical)
		 Warfarin/DOACs 	o Inhalers		 Any other devices
		 Anticipatory care meds e.g. COPD 	o Eye drops		 Bisphosphonates/calcium
		 Analgesics 			and the second s
		 Methotrexate 			
		 Tablet burden 			

Table 2b: An overview of therapeutic groups under each step

Barriers to stopping medicines



Personal barriers	 Confidence to stop Time pressures Resources Patient expectations Different healthcare professionals to stop medicines have different priorities re stopping medicines Not confident in all areas Pressure patient/carers Lack of evidence Worry about causing harm Time to think and do it well Difference of opinion with/to colleagues Lack of knowledge / information resource Specific medications – potential harm Not really knowing what patient is doing with their medications Records: Why drug started? Working in the dark Repeat processes Time: medication reviews 'hijacked' Fear of causing harm: stop medications and then an event happens/peers wouldn't support your decision Fear of litigation Individuals knowledge – so much to keep up to date with
	Lack of knowledge/information resource
	 Transfers of Care -medicines reconciliation Aging population with multi morbidities QOF. Targets driving action Lack of time Lack of expertise/evidence Fear of consequences Lack of process in primary care High proportion of nursing homes Electronic BNF Electronic tools/different IT tools Pain prescribing and pathways Checklist prescribing Single condition focus Blame game Medical advancement – more and more drugs Patient Confidence – multiple clinicians –
Environmental barriers	 Multiple prescribers for 1 individual Conflicting information – quality/source Specialist prescribing Training needs – both existing and new pharmacists patient confusion Communication pathways Prescriber confidence Media influences

Bringing it all together



Step 1: review your data and identify key areas for your PCN/ practice



Step 2: Think about your skill mix and capacity. Think about how many session you have for Multimorbidity structured medication reviews.

Step 3: Request the NHS numbers of the patients that the NHS BSA data shows make up the comparator you have decided to focus on. (could be volume, could be therapeutic) **<u>nhsbsa.informationsystems@nhs.net</u>**



Step 4: Triage the list, some patients may have been seen already, prioritise e.g older, not been seen recently, in a care home, overdue blood test

Step 5: Carry out shared decision making structured medication reviews.

Step 6: Review the polypharmacy data. What has been your impact? What did you learn?



Learning Resources



Resources

Resources include

- This Slide Deck.
- The Presenter Notes.
- The editable feedback slide deck.
- The Case Study.
- MMM resources
- A digital copy of the take home Maltese Cross

NHS BSA Polypharmacy Comparators

To access your data go to: <u>nhsbsa.nhs.uk/epact2/dashboards-and-specifications/medicines-optimisation-</u> <u>polypharmacy</u>





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