

TARGET AUDIENCE All healthcare professionals who prescribe or make		
	recommendations about prescribing	
PATIENT GROUP	All patients	

Clinical Guideline Summary

- The guideline lists a range of items (e.g. medicines, supplements, devices) considered to be of low therapeutic value.
- The guideline is applicable to all healthcare professionals who prescribe or make recommendations about prescribing in NHS Lanarkshire.
- The guideline is split into two tables:
 - o Items which should not be prescribed, and;
 - Items available for purchase that do not routinely require a consultation or prescription.

Introduction

The application of evidence-based medicine enables the NHS to provide optimal patient care by offering treatment that is clinically and cost effective. NHS Lanarkshire (NHSL) is committed to reviewing the use of all items (e.g. medicines, supplements and devices) that are considered to be of low therapeutic value with a poor (or no) evidence-base. A number of these items have been compiled in this guideline. The content is principally based on two documents developed for use in England and Wales; 'Items which should no longer be routinely prescribed in primary care' (from NHS England and NHS Improvement)¹ and the 'DROP-List' (from PrescQIPP) ².

The guideline is applicable to all healthcare professionals who prescribe, or make recommendations about prescribing, in NHSL. It aims to raise awareness, support Realistic Medicine through shared decision-making, encourage prescription review and ensure items with a poor evidence-base are not prescribed. This improves patient safety and ensures value for the NHS. The guideline does not however remove the clinical discretion of the prescriber in discussing and agreeing the most suitable treatment for their patients in accordance with their professional duties.

The items listed are not exhaustive and further items will be considered for inclusion in future updates. Potential unintended consequences of the recommendations are included in Appendix 2.

Medicines optimisation

Application of this guideline aims to achieve the following outcomes in line with The Royal Pharmaceutical Society's good practice guide on medicines optimisation³;

- Treatments of limited clinical value are not used and medicines no longer required are stopped.
- Optimal patient outcomes are obtained from choosing a medicine using best evidence (for example, following NICE guidance, local formularies, etc.) and these outcomes are measured.
- Medicines wastage is reduced.
- The NHS achieves greater value for money invested in medicines.
- Patients are more engaged, understand more about their medicines and are able to make choices, including choices about prevention and healthy living.
- It becomes routine practice to signpost patients to further help with their medicines and to local patient support groups.
- Incidents of avoidable harm from medicines are reduced.

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Items which should not be prescribed

The guideline is split into two tables;

1. Items which should not be prescribed (see Table 1)

 These items have a limited (or no) evidence-base and should not be initiated. Current prescribing should also be reviewed with a view to stop. Safer alternatives may be considered in line with the NHSL <u>Formulary</u> or by signposting to self-care as appropriate.

2. Items available for purchase that do not routinely require a consultation or prescription (see Table 2)

- These items may have an evidence-base but do not routinely require a consultation or prescription. This means patients/carers may purchase the relevant products for self-care, many of which are available from shops, supermarkets or community pharmacies. Other specific items may also be available to purchase from optometrists or dentists.
- When patients require advice in relation to symptoms they can consult their relevant local healthcare professional, e.g. community pharmacist, optometrist, dentist, etc.
 - Guidance for patients on self-care and accessing the relevant local healthcare professional in NHSL is available here: https://www.nhslanarkshire.scot.nhs.uk/experts/.
 - Guidance on the Pharmacy First Service is available here: https://www.nhsinform.scot/care-support-and-rights/nhs-services/pharmacy/nhs-pharmacy-first-scotland

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Table 1: Items which should not be prescribed

Item	Recommendation	Rationale
Bath and shower preparations for dry and pruritic skin conditions ¹ (e.g. Hydromol® bath & shower emollient, Dermol® bath/shower emollient, Balneum bath oil, Cetraben bath additive, E45 bath oil, Oilatum bath additive, etc.)	Not recommended. De-prescribe in all patients where possible.	 Non-formulary. The BATHE randomised controlled trial showed no evidence of clinical benefit for including emollient bath additives in the standard management of childhood eczema. In the absence of other good quality evidence this was extrapolated to adults until good quality evidence emerges. Soap avoidance and 'leave-on' emollient moisturisers can be used for treating eczema (and as a soap substitute). There is a risk of falls from slipping on the oil film these products may leave on the skin/bath/shower. Patients/carers may choose to purchase products for self-care or seek advice on symptoms from a community pharmacy.
Benzo- diazepines for anxiety related to flying ⁴	Not recommended. De-prescribe in all patients where possible.	 The use of benzodiazepines to treat short-term 'mild' anxiety is inappropriate. Common side effects include impaired alertness, ataxia, confusion, dizziness and visual disturbance which could pose a significant risk in the event of an on-board emergency. Possible paradoxical increase in anxiety, hostility aggression and perceptual disorders. Risk of benzodiazepine withdrawal syndrome, including insomnia, anxiety, tremor, perspiration, tinnitus, perceptual disturbances.
Co-proxamol ¹	Not recommended. De-prescribe in all patients where possible.	 Non-formulary. Licensed product withdrawn in 2007 due to safety concerns regarding toxicity and fatal overdose. All use in the UK is now on an unlicensed basis.
Cough and cold remedies ² (e.g. cough mixtures, decongestants, lozenges, etc.)	Not recommended. De-prescribe in all patients where possible.	 Non-formulary. Limited clinical value. Patients/carers may choose to purchase products for self-care or seek advice on symptoms from a community pharmacy.

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Doxazosin modified- release ^{1,2} Glucosamine and chondroitin ^{1,4}	Not recommended. De-prescribe in all patients where possible. Not recommended. De-prescribe in all patients where possible.	 Non-formulary. Modified-release preparations have no additional benefit in efficacy over immediate-release preparations and are more expensive. The long half-life of immediate-release doxazosin allows for once daily dosing. Non-formulary. Limited evidence of effectiveness. NICE 'do not do' recommendation: do not offer glucosamine or chondroitin products for the management of osteoarthritis. Glucosamine is deemed less suitable for prescribing—the mechanism of action is not understood and there is limited evidence to show it is effective. Patients/carers may choose to purchase products for self-care or seek advice on symptoms from a community pharmacy.
Herbal preparations and homeopathy ^{1,2} (e.g. belladonna, ruta, valerian, bryonia, arnica, lachesis, etc.)	Not recommended. De-prescribe in all patients where possible.	 Non-formulary. Lack of scientific evidence. Some products are associated with severe adverse effects. Some products may significantly interact with licensed medicines. There is a risk that use may delay accurate diagnosis of underlying pathology.
Lidocaine plasters ^{1,6}	Not recommended. De-prescribe in all patients where possible.	 Non-formulary. Licensed for post-herpetic neuralgia only. Restricted for use in patients who are intolerant of first line systemic therapies for post-herpetic neuralgia or where these therapies have been ineffective. NICE do not recommend lidocaine plasters for treating neuropathic pain. Prescribe only in exceptional circumstances in arrangement with a multi-disciplinary team. Discontinue treatment after 2-4 weeks if no response. If the patient has responded to treatment and pain is completely alleviated, then a plaster-free period should be trialled after 7 days of plaster use. Treatment should be reassessed every four weeks to decide whether the amount of plasters required to cover the painful area can be reduced, or if the plaster-free period can be extended.

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Lutein and antioxidants (e.g. vitamin A, C, E and zinc) for eye health ^{1,2}	Not recommended. De-prescribe in all patients where possible.	 Non-formulary. No evidence of benefit. Products are food supplements and not licensed medicines. Patients/carers may choose to purchase products for self-care or seek advice on symptoms from a community pharmacy/optician as appropriate.
Multivitamin & mineral preparations ^{2,4} (including Forceval®)	Not recommended. De-prescribe in all patients where possible.	 Non-formulary. Products are food supplements and not licensed medicines. Mega-vitamin therapy (use of high doses) with water-soluble vitamins, such as ascorbic acid and pyridoxine, is unscientific and can be harmful. The use of vitamins as general 'pick-me-ups' is of unproven value and, in the case of preparations containing vitamin A or D, may be harmful if the prescribed dose is exceeded. Vitamins can be obtained through dietary means. Patients/carers may choose to purchase products for self-care or seek advice on symptoms from a community pharmacy/optician as appropriate. Some vitamins may be prescribed to prevent/treat deficiency but not as dietary supplements.
Omega-3 fatty acid compounds and other fish oils ^{1,2}	Not recommended. De-prescribe in all patients where possible.	 Non-formulary. NICE have reviewed the evidence and advise not suitable for prescribing. Patients are advised to eat a Mediterranean-style diet (more bread, fruit, vegetables and fish; less meat; and replace butter and cheese with products based on plant oils).
Paracetamol and tramadol combination product ^{1,2}	Not recommended. De-prescribe in all patients where possible.	 Non-formulary. No evidence that combination product is more effective or safer than the individual preparations. Contains sub-therapeutic dose of paracetamol. Safety concerns with tramadol (harms and misuse) and increased numbers of deaths. More cost-effective products are available.
Perindopril arginine ^{1,2}	Not recommended. De-prescribe in all patients where possible.	 Non-formulary. No clinical advantage of the arginine salt versus the generic erbumine salt. More cost-effective products are available.

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Rubefacients, excluding capsaicin ^{1,2} (e.g. Deep Heat [®] , Transvasin [®] , Balmosa [®] , Deep Freeze [®] , etc.)	Not recommended. De-prescribe in all patients where possible.	 Non-formulary. Limited evidence. NICE 'do not do' recommendation: do not offer rubefacients for treating osteoarthritis. Patients/carers may choose to purchase products for self-care or seek advice on symptoms from a community pharmacy.
Silk garments ¹	Not recommended. De-prescribe in all patients where possible.	 Non-formulary. Evidence relating to their use is weak and is of low quality. The CLOTHES trial concluded that silk garments for the management of eczema is unlikely to be cost-effective for the NHS.
Simeticone and infantile colic products ^{2,4,5} (e.g. Wind-eze [®] , WindSetlers [®] , Infacol [®] , Dentinox [®] Infant Colic Drops, Gripe Water [®] , etc.)	Not recommended. De-prescribe in all patients where possible.	 Non-formulary. There is a lack of evidence for simeticone use in colic, bloating, trapped wind or indigestion. Dentinox® Infant Colic Drops and Infacol® are deemed less suitable for prescribing as the evidence of benefit in infantile colic is uncertain. [Note: the use of Infacol® may be appropriate for endoscopy procedures in the acute setting only in line with national pathways]. Gripe Water® is not licensed for the treatment of infantile colic and should not be used. There is a lack of evidence for its use in colic. Lactase drops (e.g. Care Co-Lactase Infant Drops®, Colief Infant Drops®) should only be prescribed in line with ACBS criteria, i.e. for Transient Lactase Deficiency. Patients/carers may choose to purchase products for self-care or seek advice on symptoms from a community pharmacy.
Tadalafil once daily preparation ¹ (2.5mg and 5mg strengths)	Not recommended. De-prescribe in all patients where possible.	 Non-formulary for once-daily use. Lack of evidence to routinely recommend once daily preparations in preference to 'when required' preparations for erectile dysfunction. NICE state not enough evidence to recommend phosphodiesterase inhibitors in routine clinical practice in Lower Urinary Tract Symptoms in men.

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VSL#3® and Vivomixx® (probiotics) ^{2,7} Not recommended. De-prescribe in all patients where possible.	 Non-formulary. The ACBS concluded that the evidence did not sufficiently demonstrate that the products are clinically effective. Both products were removed from the Drug Tariff in 2019. Probiotics should not be prescribed in primary care due to limited evidence of clinical effectiveness.
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Table 2: Items available for purchase that do not routinely require a consultation or prescription

Item	Recommendation	Rationale
Analgesics for self- care, excluding POMs ² (e.g. non-opioid and compound analgesics)	Review current prescribing. De-prescribe where appropriate and advise available from shops, supermarkets or pharmacies.	 Short courses of analgesics for acute common ailments can be purchased for self-care. Patients/carers can consult their local community pharmacy when advice is required in response to presenting symptoms.
Antifungal nail paints ^{2,4}	Review current prescribing. De-prescribe where appropriate and advise available from shops, supermarkets or pharmacies.	 Amorolfine nail lacquer (max. strength 5%, pack size 3mL) can be purchased for self-care of mild cases, subject to treatment of max. 2 nails. Patients/carers can consult their local community pharmacy when advice is required in response to presenting symptoms. Systemic treatments are more effective if antifungal treatment is indicated. Nail lacquers and solutions are expensive. Treatments for children may be appropriate on the recommendation of a podiatrist.
Antihistamine preparations for hayfever ²	Review current prescribing. De-prescribe where appropriate and advise available from shops, supermarkets or pharmacies.	Products can be purchased for self- care or patients/carers can consult their local community pharmacy when advice is required in response to presenting symptoms.

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Dental products, Review current Products can be purchased for selfexcluding POMS² prescribing. care or patients/carers can consult De-prescribe where their local community pharmacy or • Pain relief appropriate and dentist when advice is required in advise available from oral gels/liquids response to presenting symptoms. (e.g. Orajel[®], Anbesol[®], shops, supermarkets, Bonjela®, Calgel®, pharmacies or Iglu®, etc.) dentists. mouthwash/rinse/ spray (e.g. Difflam®, etc.) o paint (e.g. Pyralvex[®], etc.) Antiseptic oral gel/ mouthwash (e.g. Corsodyl[®], Peroxyl[®], Oraldene[®], etc.) Fluoride tablets/ mouthwash/rinse (e.g. Endekay®, Fluor-a-day®, FluoriGard[®], etc.) Haemorrhoid Review current Products can be purchased for selfpreparations, excluding prescribing. Decare or patients/carers can consult POMs² prescribe where their local community pharmacy when (e.g. Anusol®, Preparation appropriate and advice is required in response to H[®], Germoloids[®], etc.) advise available from presenting symptoms. shops, supermarkets or pharmacies.

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Glossary

ACBS Advisory Committee on Borderline Substances

NICE National Institute for Health and Care Excellence

NSAID Non-steroidal anti-inflammatory drug

POMs Prescription-only medicines

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- 4. Joint Formulary Committee. British National Formulary (online) London: BMJ and Pharmaceutical Press http://www.medicinescomplete.com [Accessed Aug 2023].
- 5. NHS UK. Common questions about simeticone. Page last reviewed: 13 October 2022. https://www.nhs.uk/medicines/simeticone/common-questions-about-simeticone/
- 6. NHS Lanarkshire. Neuropathic Pain Treatment Guidelines. April 2019. https://nhslquidelines.scot.nhs.uk/media/1783/neuropathic-pain-treatment.pdf
- 7. UK Medicines Information (UKMi) Comment on Drug Tariff Statement. Probiotics VSL#3 and Vivomixx have been removed from the Drug Tariff, following review by Advisory Committee on Borderline Substances (ACBS). Nov 2018. UKMi

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Appendices

Appendix 1: Governance information for Guidance document

Lead Author(s)	NHS Lanarkshire Prescribing Quality & Efficiencies
	Operational Group
Endorsing Body	Partnerships Medicines Management Board and Area Drug
	and Therapeutics Committee
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Responsible Person (if different from lead author)	

CONSULTATION AND DISTRIBUTION RECORD		
Contributing Authors		
Consultation	Prescribing Quality & Efficiencies Operational Group	
Process/Stakeholders	Prescribing Managment Team	
	Partnerships Medicines Management Board	
	Area Drug and Therapeutics Committee	
	GP sub-committee	
	Sustainability and Value (Medicines) Group	
	Lead Pharmacist for Community Pharmacy Services	
	Clinical Director for Dentistry	
	Clinical Director for Ophthalmology	
	Clinical Director for Out of Hours	
	Consultants in Chronic Pain	
	Consultant Dermatologist	
	Dietetics Professional Lead	
	Acute Medicines Management Board	
	South Health & Social Care Forum	
	North Public Partnership Forum	
Distribution	NHS Lanarkshire Guidelines Website	
	NHS Lanarkshire Staff Briefing	

CHANGE RECORD				
Date	Lead Author	Change	Version	
		e.g. Review, revise and update of policy in line with contemporary professional structures and practice		

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Appendix 2: Potential unintended consequences of the recommendations

Adapted from: https://www.england.nhs.uk/medicines-2/items-which-should-not-be-routinely-prescribed/

- 1. There could initially be increased patient appointments in primary/secondary care however this would not be expected to be sustained.
- Alternative treatments may not be clinically identical therefore prescribers should explain the rationale for any proposed changes in treatments and come to a shared decision with their patients, utilising appropriate resources to facilitate choice.
- 3. Alternative treatments could be prescribed with cost consequences, however this is an opportunity to review and de-prescribe.
- 4. Demand for alternative treatments could increase (affecting the supply chain) however this guidance is currently only for local use and will be monitored in line with currently known shortages.
- 5. There is the potential for patient complaints to rise however health board support and local public consultation and communication will be provided.
- 6. There is the perceived risk of different products being available on prescription from different health boards however this guideline does not remove the clinical discretion of the prescriber in deciding what is the safest and most effective treatment for their patients in accordance with their professional duties.

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