



DHSC and NHS England

Mitigating and managing medicine shortages

Current strategies and case studies

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November 2023

CMU generic supply issue notifications



March 2019

 224 supply issues reported (EU exit)

February 2020

 160 supply issues reported

December 2022

 Post covid peak 169 supply issues



Medicine shortage notifications over time

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Shortage Notifications by date added to DaSH, monthly



Department of Health & Social Care

National Management of Supply Issues

Cross functional collaborative system





Since we last spoke at PDIG.....





Department of Health & Social Care

Our roles

DHSC Day to day management of medicine supply issues across primary and secondary care **CMU** Management of medicine supply issues for secondary care products on framework agreements.



Department of Health & Social Care

Process for managing a supply issue





Regulatory control

Part 6 of the Health Service Products (Provision and Disclosure of Information) Regulations 2018

 On 1 January 2019 new regulations, replacing voluntary guidance, came into force mandating Marketing Authorisation Holders (MAHs) to provide DHSC with medicine supply information within certain timeframes under threat of financial penalty.

Two regulations in Part 6 are of particular relevance:

- **Regulation 28:** Provision of information about availability of health service medicines and regulation
- **Regulation 29:** Requirement to provide information about discontinuation or anticipated supply shortage of certain health service medicines.

Guidance is available to provide information on reporting requirements for both shortages and discontinuations it can be found here: www.gov.uk/government/publications/reporting-requirements-for-medicine-shortages-and-discontinuations



DaSH portal

Aware of shortage date	Estimated resupply date
Contacts	
Affected product	Supplied under an NHS framework?
Reason for shortage	Are there non-human uses?
Quantities	Are there any linked shortages?
Stock exhaustion date	Are there any alternative products?

https://report-discontinuations-shortages.service.dhsc.gov.uk

DHSC Fields MAH Fields

MAH Fields

Supply Man (csstest.k9@gmail.com) Paracetamol 500mg tablets (30 TABLET)
Manufacturing
Packs available for supply: 344
Monthly sales of Packs: 123
Estimated market share: Don't know
14 Jul 2021
Action taken: ss
21 Jul 2021
Resupply comments:
Scotland
No
Yes
Yes
AJVT8U (Visudyne 15mg powder for solution for infusion vials) (1 VIAL)
No

Create discontinuation from shortage





Medicines shortages tier system & management options

Tier	Definition
1: Low Impact	Likely to carry low risk. Management options should result in patients being maintained on the same licensed medicine.
2: Medium Impact	Require more intense management options which may carry a greater risk, but considered safe to be implemented locally without further escalation.
3: High Impact	Considered more critical than tier two issues, with potential patient safety implications that may require clinical advice to the system.
4: Critical Impact	Cannot be resolved as a level three shortage, and which requires additional support from outside the health system.



Medicines Shortages Response Group (MSRG)

Issue notification

Risk assessment

Management options

A clinically chaired decision-making body to oversee and support both MST and CMU

Commissions expert advice from NCDs, GIRFT leads, CRG chairs and or Royal Colleges / other professional bodies.

Agrees the content and dissemination routes for communications to 'the system' and

Provides sign off for management plans

is to determine and oversee escalation and de-escalation

A key role of MSRG

Representatives from patient safety, primary care, RPS, H&J, Comms, SPS, DAs, MHRA

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National communication of medicine supply issues

Tier	Definition	Potential communication routes
1: Low Impact	Likely to carry low risk. Management options should result in patients being maintained on the same licensed medicine.	Medicines Supply Tool CMU supplier issues spreadsheet
2: Medium Impact	Require more intense management options which may carry a greater risk, but considered safe to be implemented locally without further escalation.	Medicines Supply Notification Serious Shortage Protocol Medicines Supply Tool CMU supplier issues spreadsheet
3: High Impact	Considered more critical than tier two issues, with potential patient safety implications that may require clinical advice to the system.	National Patient Safety Alert Medicines Supply Notification Serious Shortage Protocol Medicines Supply Tool CMU supplier issues spreadsheet
4: Critical Impact	Cannot be resolved as a level three shortage, and which requires additional support from outside the health system.	Bespoke communications to specific healthcare organisations / professionals, patient facing, National Patient Safety Alert Medicines Supply Notification Medicines Supply Tool CMU supplier issues spreadsheet



Communications



1 Department

of Health & Social Care

Medicine Supply Notification

Generic drug name (brand name[®]) strength formulation Tier 2 - medium impact* Date of issue: dd/mm/www. Link: Medicines Supply Tool

Summary (add/delete as appropriate)

- Name (brand name[®]) strength form is out of stock until date month year.
 Alternate strengths of name (strength) form remain available and will be able to support increased
- demand.
- · Alternate brand(s)/another formulation remains available. Where these are not suitable, unlicensed supplies may be sourced, lead times vary. (delete if not appropria

Actions Required (adapt/delete as appropriate)

Where patients have insufficient supplies to last until the re-supply date, clinicians/prescribers should:

- · review patients to determine if this is still the most suitable therapy; · work with local pharmacy teams to understand availability of alternative strengths and issue a
- prescription to make up the required dose of drug name; · consider prescribing xxx which is able to support the market during this time, ensuring that the
- patient is not intolerant to any of the excipients and is counselled on the appropriate dose and volume required (see supporting information below); consider prescribing unlicensed products only where licensed alternatives are not appropriate.
- Prescribers should work with local pharmacy teams to ensure orders are placed within appropriate time frames as lead times may vary (see supporting information below); and
- · if the above options are not considered appropriate, advice should be sought from specialists on management options

If the patient is deemed ineligible or does not consent to receive an alternative product via the SSP, clinicians can consider prescribing: xx drug; or

· a suitable alternative medicine.

Supporting information (add/delete as appropriate)

Clinical Information

· Include SPS MI advice if provided

Classification of Tiers can be found at the following link:

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NHS

England

MSN/pony/poor

SERIOUS SHORTAGE PROTOCOL (SSP)

Reference Number: SSP057

This SSP applies to the following medicine:

Name of medicine (including strength and formulation)	Estradot [®] (Estradiol (as hemihydrate)) 100 microgram patch
сон наличи 2	Pharmacists must ensure that the patient's prescriber and/or GP practice is notified when supplying a patient in accordance with this SSP. Pharmacists in Northern Ireland should note the specific guidance included in the addendum to this SSP.
Legal category	POM

1. Details of medication to be supplied under this SSP

Name of medicine	Evorel® 100 microgram patch
(including formulation and	OR
strength) to be supplied	Estraderm MX® 100 microgram patch
Quantity of this formulation (if applicable)	Total quantity supplied under this protocol to be equivalent to the number of days supplied on the original prescription. For every Estradot [®] 100 microgram patch, the following quantity must be supplied in accordance with this protocol: 1 x Evorel [®] 100 microgram patch





	Specialist Pharmacy Service The first stop for professional medicines advice	About · 🛛 Mitchell, Kate ~ NHS	• +
	Guidance Events Podcasts Planning Training Publications Tools Q Search		
	Monitoring Medicines Supply MCA Stability Fridge stability tool		
	Shortage Type All Shortages Discontinued Unavailable Supply Returning Resolved		
	Filters		
	Last updated ~ Impact tier ~ BNF chapter ~	Q Filter medicines	
₽	Medicine Medicine	Anticipated Last re-supply updated date	ے ی چ

https://www.sps.nhs.uk/home/tools/medicines-supply-tool/



Enhanced use of data





Improving resilience- buffer stocks

CMU mandated 8 week buffer stock holding introduced late 2021

e.g. weekly sales of 100 packs: $100 \times 8 = 800$ packs stock holding additional to required volume to meet expected demand

Proportion of supplier issues attributed to poor perfoming suppliers





Improving resilience- buffer stocks

Feb 2023 voluntary pilot launched to monitor buffer stocks held and compliance to **CMU** contractual ask

September 2023 pilot phase completed with clear correlation between reported out of stocks and lack of buffer stocks in place



Compliance between 3% and 29%



Future NHSE Resilience roadmap

- Direction of travel is to move away from reactive medicines shortage mitigation and move to proactive management of supply chain
- Use the data available and build data modelling capability for medicines supply chains
- Nurture a dynamic supply response ecosystem with integration of regulator and supplier info
- Supply response ecosystem



Case study – IV Fluids

Background

- Spirit medical were the sale distributor for Carelide UK a subsidiary of a large French based Iv Fluids manufacturer.
- Notified in June 2023 key products had not been shipped to the UK with no immediate information on the cause or resolution date.
- Commercial acquisition of Carelide France led to contractual review of all business units including sole distributor rights for the UK
- Potentially a proportion of English hospitals had no access to critical IV fluids within 48 hours of notification

Engagement

- Clinical colleagues across secondary care
- Full market Usage information and hospital stock holding scrutinised
- All other suppliers stood up to give emergency support
- DHSC / UKHSA held stockpiles were assessed for emergency release



IV fluids – Management plan

Management plan

- All 3 alternative suppliers expedited stock releases and made available product to none contract customer
- DHSC Stockpile mobilised within 24 hours for large volume fluids for immediate call upon
- Emergency drops of pallets of small volume fluids arranged into wholesaler depos
- Urgent review on title of remaining Carelide stock enabling rapid mobilisation

Monitoring and contractual review

- Daily monitoring and allocation of orders for Carelide customer for 4 weeks to then
 weekly review
- Monthly review of position including winter planning assumptions
- Review of CMU Framework and novation of contract to Agguetant Ltd



Case Study - HRT



ANNOUNCEMENT

MADELAINE MCTERNAN, HEAD OF THE VACCINE TASKFORCE, HAS BEEN APPOINTED TO TACKLE SHORTAGES OF HRT PRODUCTS



Department of Health & Social Care

NHS

SERIOUS SHORTAGE PROTOCOL (SSP)

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 Estradot[®] (Estradoil (as hemihydrate)) 100 microgram patch

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 Legal category
 POM

1. Details of medication to be supplied under this SSP

Name of medicine Evorel® 100 microgram patch

) microgram patch

rogram patch

lied under this protocol to be imber of days supplied on the original

¹ 100 microgram patch, the following

upplied in accordance with this

SHORTAGE OF HRT ACROSS UK

IN TODAY'S NEWS

VOT

MEN

Women face postcode lottery for IRT supply

CONTRACTOR A CONTRACTOR OF TAXABLE AND A CONTRACTOR



HRT – Management

Management plan

- HRT taskforce
- Extensive engagement with suppliers, wholesalers, primary care organisations and trade associations.
- Cross organisation collaboration to help provide data on dispensing and predict future demand
- Analysis provided to industry and extensive engagement with individual suppliers to improve future forecasts.
- SSPs integral part of management 23 in total used to date with only 1 remaining.
- Export restrictions
- Quarterly roundtables ongoing



National Management of Supply Issues

Take-home messages

NHS:

- Use the Medicines Supply Tool.
- Know your local processes and escalation routes.

Industry:

- Early notification is essential and if unsure whether to report get in touch
- If you are seeing unusual demand patterns, get in touch
- Ensure contracted volumes are in place.

DHSCmedicinesupplyteam@dhsc.gov.uk England.cmupharmacyteam@nhs.net



