

## **Supply Issues Update for Primary and Secondary Care: May 2021**

This report has been produced by the Department of Health and Social Care (DHSC) Medicine Supply Team. We aim to produce this report monthly to provide an update on current primary and secondary care medicine supply issues that we are working on. This information is confidential to the NHS; please do not upload to websites in the public domain. Please do share with relevant colleagues and networks.

Where it has been stated '*a Serious Shortage Protocol (SSP) has been issued*', this will be found [here](#).

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## **Information provided: w/c 3 May 2021**

### New Issues

#### Injectables

##### Calcitonin (salmon) 50units/1ml solution for injection ampoules

- Essential Pharma, sole supplier is out of stock until March 2022.
- Calcitonin (salmon) 100units/1ml solution for injection ampoules remain available and can support the uplift in demand.

##### Diamorphine 5mg and 10mg injection

- There have been intermittent supplies of diamorphine 5mg and 10mg injections available since early 2020.
- Accord is out of stock of both strengths with no re-supply date.
- Wockhardt is expecting resupply of diamorphine 5mg during May 2021; exact date and quantity to be confirmed. Limited supplies of diamorphine 10mg will be available w/c 3 May 2021. Next supply is to be confirmed.
- An MSN was issued on the 9 April 2021 (attached) reminding clinicians of the permanent actions they were asked to take in the [Supply Disruption Alert](#) for diamorphine ampoules issued 25 March 2020.

#### Orals

##### Irbesartan 300 mg/hydrochlorothiazide 12.5 mg (CoAprovel) tablets

- Irbesartan/hydrochlorothiazide 300mg/12.5mg tablets are out of stock from mid-May 2021 until mid-June 2021.
- Irbesartan/hydrochlorothiazide 300mg/25mg tablets are unscored oval shaped tablets and not suitable for halving.

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- Irbesartan 300mg tablets are available and can support an uplift in demand. Hydrochlorothiazide tablets were discontinued many years ago.
- An alternative thiazide diuretic, bendroflumethiazide 2.5mg, is available and can support an uplift in demand.
- A switch to separate components but using bendroflumethiazide in place of hydrochlorothiazide, is an option for patients who run out of irbesartan/hydrochlorothiazide tablets.
- See information below regarding irbesartan 150 mg/hydrochlorothiazide 12.5 mg tablets.
- An MSN will be issued shortly.

## Naftidrofuryl 100mg capsules

- Accord is out of stock with resupply expected in August 2021.
- The brand, Praxilene, remains available and can support an uplift in demand.

## Others

### Fluticasone (Flixotide) 100microgram Accuhaler

- GSK, sole supplier is out of stock until w/c 31 May 2021.
- Flixotide 50microgram Evohalers can support a partial uplift in demand.
- Flixotide 50microgram Accuhalers can support a partial uplift in demand.
- Flixotide 125microgram Evohalers remain available and can support a full uplift in demand.
- Specialist importers can source unlicensed products. Lead times vary.
- An MSN will be issued shortly.

### Gemeprost (Cervagem) 1mg pessary

- Sanofi, sole supplier, is out of stock until mid-July 2021.
- Clinical alternatives remain available.

## Ongoing Issues

### Injectables

#### Adrenaline Auto-Injectors (AAIs)

- There are currently sufficient supplies of EpiPen and Jext to meet normal UK demand.
- The advice remains to conserve supplies of AAIs for patients who truly need them. All healthcare professionals providing services where anaphylaxis treatment may be required should have the competency to draw up and administer adrenaline from ampoules with a normal syringe and needle.
- We ask that when you renew the adrenaline in your anaphylaxis kits, you alert all your staff to please stock ampoules (ensuring you also include dosing charts, needles and syringes) and not AAIs.
- The [Green Book](#) and [Resus Council guidance](#) provides additional advice to healthcare professionals on the use of adrenaline in response to anaphylaxis.

#### *Emerade (Bausch & Lomb UK Ltd)*

- On [4 March](#), [7 April](#) and [18 May](#) 2020, the MHRA issued a patient level recall for Emerade 150microgram, 300microgram and 500microgram devices, respectively.
- Patients and/or carers should return Emerade 150, 300 and 500microgram auto-injectors to their local pharmacy once they have obtained a prescription for, and been supplied with, an alternative brand.

## COMMERCIAL-SENSITIVE

### Bleomycin 15,000I.U. injection

- Bleomycin 15,000I.U. injection is out of stock until at least Q3 2021.
- Specialist importers can source unlicensed products. Lead times vary.
- An updated MSN was issued 15 May 2020 (shared previously).

### Diazepam (Diazemuls) 10mg/2ml emulsion for injection

- Accord is out of stock long-term.
- UPDATE: Lorazepam 4mg/ml injection is currently available and able to support an increase in demand. Please see lorazepam 4mg/ml solution for injection below for further information regarding supplies.
- An updated MSN will be issued shortly to reflect this change.

### Human normal Immunoglobulin (IVIg 10%)

- There is limited supply of all brands of 10% IVIg until July 2021.
- Trusts are advised to utilise stock of all brands of available IVIg to treat any indicated acute conditions.
- Regional Pharmacy Procurement Specialists (RPPSs) will support mutual aid across Trusts based on local stock holding, if required.
- Small additional volumes of 10% IVIg are available to support additional acute demand. To access this stock local trusts will firstly need approval from their Sub Regional Immunoglobulin Assessment Panel. Following approval, the RPPS should be contacted who will escalate to the Commercial Medicines Unit (CMU) if stock cannot be found from mutual aid.
- An MSN was issued 29 April 2021 (attached).

### Lorazepam 4mg/ml solution for injection

- Pfizer's Ativan 4mg/ml solution for injection is now in stock with monthly quotas of 25 packs/secondary care customer in effect from w/c 3 May 2021.
- Pfizer are choosing to limit the quantities that can be ordered as they do not have a confirmed replenishment date at this time.
- Macure Pharma, a new entrant to the lorazepam 4mg/ml injection market also have stock available through Oxford Pharmacy Stores (NHS hospitals) and Chapper Healthcare (all other customers). SPC attached.

### Mitomycin 2mg and 10mg powder for solution for injection/infusion

- Mitomycin 2mg and 10mg vials are out of stock with no date for resupply.
- Other vial sizes of mitomycin for injection and/or infusion remain available including 20mg from Vygoris Ltd and 40mg from Accord-UK Ltd.
- Mitomycin for intravesical use remains available including 20mg from Vygoris Ltd and 40mg from Medac GmbH.
- Specialist importers can source unlicensed products. Lead times vary.
- An updated MSN was issued 24 December 2020 (shared previously).

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### Phenobarbital 30mg/ml solution for injection

- Martindale, sole supplier is out of stock until late May 2021.
- Phenobarbital 60mg/ml and 200mg/ml injections remain available but cannot support an uplift in demand.
- Specialist importers can source unlicensed products. Lead times vary.

### Ranitidine 50mg/2ml injection

- Ranitidine 50mg/2ml injection is out of stock until further notice.
- An updated MSN was issued 30 March 2021 (shared previously).

### Somatropin 200microgram MiniQuick (Genotropin) device

- Genotropin 200microgram MiniQuick devices are out of stock until the end of October 2021.
- All other Genotropin lines remain available.

### Tenecteplase (Metalyse) 10,000 units powder and solvent for solution for injection

- Metalyse is out of stock with resupply expected in October 2021.
- UKMi have advised that alteplase (Actilyse) can be used as an alternative to tenecteplase.
- All strengths of Actilyse remain available and can support the increase in demand.
- Specialist importers can source unlicensed products. Lead times may vary.
- Ambulance services requiring further supplies of tenecteplase should contact their local Trust who may have stock to share/be able to source unlicensed supplies from specialist importers.

### Tetracosactide 1mg depot injection

- Atnahs Pharma, sole suppliers will be out of stock until late May 2021.
- Specialist importers can source unlicensed products. Lead times vary.

### Urokinase (Syner-KINASE) 25,000IU injection

- Syner-KINASE 25,000IU injection will be out of stock from mid-May until September 2021.
- Syner-KINASE 100,000IU injection remains available and can support an uplift in demand (see DHCP letter attached).
- Details of suggested alternative products, if required, can be found in the [UKMi memo](#).
- Additional information for the product Taurolock-urokinase has been shared previously. To place orders for this product, contact [customerservices@kimal.co.uk](mailto:customerservices@kimal.co.uk) and copy [paula.knowles@kimal.co.uk](mailto:paula.knowles@kimal.co.uk).

### Verteporfin (Visudyne) 15mg powder for solution for infusion

- Cheplapharm, sole supplier is out of stock of UK licensed Visudyne until September 2021.
- US Visudyne (considered unlicensed in the UK) is currently being supplied by their distributor, Neon Healthcare, in restricted quantities.
- Please contact Neon Healthcare with any queries: 01920 444 345 or [office@neonhealthcare.com](mailto:office@neonhealthcare.com)
- Specialist importers can also source unlicensed supplies. Lead times vary.
- An MSN will be issued shortly.

## Orals

## COMMERCIAL-SENSITIVE

### Cloral betaine 707mg tablets

- Atnah's, sole supplier, are out of stock with resupply expected in November 2021.
- Alternative medicines for insomnia remain available.

### Chloral hydrate 143.3mg/5ml oral solution

- Chloral hydrate 143.3mg in 5ml oral solution is out of stock until September 2021.
- Specials manufacturers have confirmed they can manufacture chloral hydrate 143.3mg in 5ml oral solution to meet demand of the licensed product.
- An MSN was issued 30 March 2021 (shared previously).

### Colestipol (Colestid) orange and plain 5g granules sachets

- Colestid orange sachets are out of stock until the end of May 2021.
- Colestid plain sachets are out of stock with a resupply date to be confirmed.
- UKMi have prepared a [clinical memo](#) containing further information on alternative bile-acid sequestrants.
- An MSN was issued 26 February 2021 (shared previously).

### Colestyramine (Questran) Powder for Oral Suspension

- Cheplapharm are out of stock of Questran Powder 4g sachets until Q3 2021.
- Specialist importers can source unlicensed products. Lead times vary.
- Colestyramine light 4g sugar free sachets remain available.
- UKMi have prepared a [clinical memo](#) containing further information on alternative bile-acid sequestrants.

### Contraceptive products (oral)

- See the table below for a summary of the supply position of oral contraceptive products.
- An updated MSN was issued 18 March 2021 (shared previously).

Product affected	Ingredients	Anticipated resupply date	Management Advice
<b>Noriday</b>	Norethisterone 350 microgram tablets	w/c 10 May 2021	<ul style="list-style-type: none"> <li>– There are no exact equivalent preparations available in the UK market (see information below).</li> <li>– Clinicians are advised to refer to <a href="#">CKS guidance</a> and <a href="#">BNF</a> for advice.</li> <li>– Unlicensed imports have been sourced; lead times vary.</li> </ul>
<b>Norinyl-1</b>	Mestranol 50microgram / Norethisterone 1mg tablets	w/c 14 June 2021	<ul style="list-style-type: none"> <li>- There are no exact equivalent preparations available in the UK market (see information below).</li> <li>- Clinicians are advised to refer to <a href="#">CKS guidance</a> and <a href="#">BNF</a> for advice.</li> <li>- Unlicensed imports have been sourced; lead times vary.</li> </ul>

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<b>Norgeston</b>	Levonorgestrel 30mg tablets	w/c 31 May 2021	<ul style="list-style-type: none"> <li>- There are no exact equivalent preparations available in the UK market (see information below).</li> <li>- Clinicians are advised to refer to <a href="#">CKS guidance</a> and <a href="#">BNF</a> for advice.</li> <li>- Unlicensed imports have been sourced; lead times vary.</li> </ul>
<b>Qlaira</b>	Estradiol valerate / Dienogest (various strengths)	w/c 25 Oct 2021	<ul style="list-style-type: none"> <li>- See <a href="#">SmPC- Qlaira</a> for full list of active ingredients.</li> <li>- There are no exact equivalent preparations available in the UK market (see information below).</li> <li>- Clinicians are advised to refer to <a href="#">CKS guidance</a> and <a href="#">BNF</a> for advice.</li> </ul>
<b>Yiznell</b>	Ethinylestradiol 30microgram / Drospirenone 3mg tablets	w/c 17 May 2021	<ul style="list-style-type: none"> <li>- Equivalent alternatives with the same composition remain available from suppliers of the following brands: Dretine, Yacella, Ellanite and Lucette.</li> </ul>

Docusate sodium 100mg capsules

- Limited supplies of docusate sodium 100mg capsules are available until June 2021.
- Docusate sodium 50mg/5ml oral solution remains available.
- An MSN was issued 18 December 2020 (shared previously).

Donepezil 10mg orodispersible tablets

- Donepezil 10mg orodispersible tablets are out of stock until the end of June 2021.
- The brand *Aricept Evess* remains available and can support an uplift in demand.

Fentanyl (Abstral) 800microgram sublingual tablets

- Abstral 800microgram sublingual tablets are out of stock until late May 2021.
- Abstral 400microgram sublingual tablets remain available and can support an uplift in demand.

Fluoxetine 10mg tablets

- Endo Ventures are out of stock of fluoxetine 10mg tablets until September 2021.
- Fluoxetine 10mg capsules and fluoxetine 20mg/5ml oral solution remain available.
- A [serious shortage protocol](#) (SSP) was issued on 12 March 2020.
- An MSN was issued 12 March 2020 (shared previously).

Fluoxetine 30mg capsules

- Advanz, sole supplier is out of stock until late May 2021.
- Fluoxetine 10mg and 20mg capsules remain available.
- A [serious shortage protocol](#) (SSP) was issued on 20 October 2020.
- An MSN was issued 21 October 2020 (shared previously).



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### Fluoxetine 40mg capsules

- Advanz, sole supplier is out of stock until late May 2021.
- Fluoxetine 20mg capsules remain available.
- A [serious shortage protocol](#) (SSP) was issued on 29 January 2021.
- An MSN was issued 8 February 2021 (shared previously).

### Haloperidol 5mg/5ml oral solution sugar free

- Haloperidol 5mg/5ml oral solution sugar free is out of stock with resupply to be confirmed.
- Haloperidol (Haldol) 2 mg/ml oral solution is the only licensed oral solution that can support an uplift in demand.
- Haloperidol 500microgram, 1.5mg, 5mg and 10mg tablets remain available.
- Specials manufacturers have confirmed they can manufacture haloperidol 5mg/5ml oral solution sugar free.
- An MSN was issued 28 October 2020 (shared previously).

### Histamine (H2) antagonists

- See the table below for a summary of the supply position with oral H2 antagonists.
- An updated MSN was issued 18 March 2021 (shared previously).

Product	Supplier	Current Stock Position	Anticipated resupply date	Suggested management plan
<b>Famotidine 20mg tablets</b>	Tillomed	In stock	n/a	Unlicensed supplies have been sourced
	Teva	In stock	n/a	
<b>Famotidine 40mg tablets</b>	Tillomed	In stock	n/a	
	Teva	Out of stock	July 2021	
<b>Cimetidine 200mg tablets</b>	Ennogen	Out of stock	End June 2021	
	Medreich	Out of stock	To be confirmed	
	Medley	Out of stock	End June 2021	
<b>Cimetidine 400mg tablets</b>	Ennogen	Out of stock	End June 2021	
	Medreich	Out of stock	To be confirmed	
	Medley	Out of stock	End June 2021	
<b>Cimetidine 800mg tablets</b>	Ennogen	Out of stock	End June 2021	
	Medreich	Out of stock	To be confirmed	
<b>Cimetidine 200mg/5ml oral solution (sugar free)</b>	Rosemont	In stock	n/a	
<b>Cimetidine (Tagamet) 200mg/5ml syrup</b>	Essential Pharma	In stock	n/a	
<b>Nizatidine 150mg capsules</b>	Viatrix	Out of stock	To be confirmed	
	Medreich	Out of stock	To be confirmed	
	Relonchem	In stock	n/a	
<b>Nizatidine 300mg capsules</b>	Viatrix	Out of stock	To be confirmed	
	Medreich	Out of stock	To be confirmed	
	Relonchem	In stock	n/a	

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### Hormone Replacement Therapy products (HRT)

There are still some ongoing supply issues with HRT products, please see **Table 2** in the Appendix for a full update on the availability of all HRT products.

#### *Estradot 75microgram patches*

- Novartis is out of stock until w/c 31 May 2021.
- Alternative estradiol 75microgram patches remain available.
- An MSN was issued 29 April 2021 (attached).

#### *Ethinylestradiol 10microgram/50microgram tablets*

- UCB, sole supplier is out of stock due to manufacturing issues and unable to advise a resupply date.
- Specialist importers can source unlicensed products. Lead times vary.

#### *FemSeven Transdermal patch range*

- Theramex have confirmed that whilst new manufacturing arrangements are being established, the FemSeven range will be out of stock until September 2021 except for FemSeven Conti which is now back in stock.
- Specialist importers can source unlicensed products. Lead times vary.

#### *Progynova 1mg and 2mg tablets*

- Bayer are expecting a shortage of Progynova 1mg and 2mg tablets from August 2021 until May 2022 and from mid-April until mid-June 2021, respectively.
- Progynova 2mg tablets remain available from parallel importers.
- Alternative estradiol tablets remain available.

#### *Irbesartan 150 mg/hydrochlorothiazide 12.5 mg (CoAprovel) tablets*

- Irbesartan/hydrochlorothiazide 150mg/12.5mg tablets are out of stock until mid-June 2021.
- Irbesartan/hydrochlorothiazide 300mg/25mg tablets are unscored oval shaped tablets and not suitable for halving.
- A switch to separate components but using bendroflumethiazide 2.5mg tablets in place of hydrochlorothiazide, is an option for patients who run out of irbesartan/hydrochlorothiazide 150mg/12.5mg tablets.
- Consider prescribing an alternative fixed-dose antihypertensive combination product containing an angiotensin II receptor blocker with hydrochlorothiazide if the above option is not appropriate or adherence to separate components is in doubt.
- See information above regarding irbesartan 300 mg/hydrochlorothiazide 12.5 mg tablets.
- An MSN was issued 18 March 2021 (shared previously).

#### *Isosorbide mononitrate (Isotard) 50mg modified release tablets*

- Kyowa Kirin, sole supplier is out of stock until w/c 31 May 2021.
- Limited emergency stock is available for order through Kyowa Kirin Medical Information: [medinfo@kyowakirin.com](mailto:medinfo@kyowakirin.com).
- Isosorbide mononitrate 50mg modified release capsules remain available.
- If the formulation is switched patients should be reassured that they are receiving the same treatment and to seek advice in the unlikely event of experiencing an increase in side effects, such as headache, or an increase in use of glyceryl trinitrate.

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### Isosorbide Mononitrate (Imdur) 60mg modified release tablets

- Topridge, sole supplier, is out of stock with a resupply date to be confirmed.
- Parallel imports remain available as well as other brands of isosorbide mononitrate 60mg modified release tablets.
- If the brand is switched, reassure patients that they are receiving the same treatment and to seek advice in the unlikely event of experiencing an increase in side effects, such as headache, or an increase in use of glyceryl trinitrate.

### Itraconazole 10mg/ml oral suspension

- Thame Laboratories are out of stock until early June 2021.
- Supplies remain available from Janssen-Cilag (Sporanox brand) and Kent Pharma.

### Mianserin 10mg tablets

- Mylan, sole supplier is out of stock until June 2021.
- Specialist importers can source unlicensed products. Lead times vary.
- Mianserin 30mg tablets are now available.
- For patients where imports are not appropriate, see previous updates for clinical advice.

### Moclobemide 150mg and 300mg tablets

- Sandoz are out of stock of moclobemide 150mg and 300mg tablets with resupply expected in July and June 2021, respectively.
- Mylan are in stock of moclobemide (Manerix) 150mg and 300mg tablets.

### Phenelzine sulphate (Nardil) 15mg tablets

- Neon Healthcare, the new suppliers of Nardil are currently out of stock. Resupply date is to be confirmed.
- Specialist importers can source unlicensed imports of the tablets.
- Supplies of phenelzine 15mg capsule specials are also available. Further information can be found in the SDA.
- An [SDA](#) was issued 25 June 2020 and a subsequent update was issued 3 July 2020.

### Phillips' Milk of Magnesia 415mg/5ml (magnesium hydroxide) oral suspension

- Omega Pharma are out of stock until October 2021.
- Alternative antacids and laxatives remain available.

### Pioglitazone 15mg/metformin 850mg (Competact) tablets

- Competact tablets are out of stock until w/c 10 May 2021.
- Pioglitazone 15mg tablets and metformin 850mg tablets remain available and can support the uplift in demand.
- Specialist importers can source unlicensed products. Lead times vary.
- A [serious shortage protocol](#) (SSP) was issued 24 March 2021.
- An MSN was issued 25 March 2021 (shared previously).

## COMMERCIAL-SENSITIVE

### Prazosin (Hypovase) 1mg tablets

- Hypovase 1mg tablets are out of stock with resupply date to be confirmed.
- Hypovase 500 microgram tablets are available and able to support the full market demand for both strengths.

### Promethazine 25mg tablets

- Teva are out of stock until w/c 14 June 2021.
- Promethazine (Phenergan) 25mg tablets remain available from Sanofi.

### Ranitidine oral preparations

- Ranitidine tablets, effervescent tablets and oral solution are out of stock until further notice due to global regulatory investigations.
- An updated MSN was issued 30 March 2021 (shared previously).

### Rifampicin 300mg/isoniazid 150mg (Rifinah) tablets

- Sanofi are out of stock of Rifinah 300mg/150mg tablets until the end of May 2021.
- DrugsRUs are also out of stock with no confirmed date for resupply.
- There are sufficient supplies of rifampicin 300mg capsules and isoniazid 100mg and 50mg tablets to support this gap in supply.
- An updated MSN was issued 27 April 2021 (attached).

### Tapentadol (Palexia) 20mg/ml oral solution

- Batches of Palexia 20mg/ml oral suspension have been [recalled](#) due to potential microbial contamination.
- Grunenthal, sole supplier, is unable to confirm a resupply date.
- Palexia 50mg tablets remain available.

### Trifluoperazine 1mg/5ml syrup

- Trifluoperazine 1mg/5ml syrup is out of stock until late July 2021.
- Trifluoperazine 1mg and 5mg tablets remain available and can support an increase in demand.
- Specials manufacturers have confirmed they can manufacture trifluoperazine 1mg/5ml oral suspension.
- Trifluoperazine 5mg/5ml oral solution remains available and can support an increase in demand.
- An MSN was issued 10 November 2020 (shared previously).

### Tuberculosis medications

- The last MSN for TB oral agents was issued 28 September 2020 (shared previously).
- See table in the MSN for a summary of the supply position with tuberculosis medications.
- See also above for details of a supply issue with rifampicin 300mg/isoniazid 150mg (Rifinah) tablets.

### Voriconazole 40mg/ml powder for oral suspension

- Voriconazole 40mg/ml powder for oral suspension is out of stock until late May 2021.
- Patients in primary care with insufficient supply who need continued treatment, should be referred to secondary care for review.

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- Trusts with residual stock should reserve supplies for children 2 to <12 years of age or patients who require administration via enteral feeding tubes.
- Voriconazole 50mg, 100mg and 200mg tablets remain available.
- Specialist importers can source unlicensed products. Lead times vary.
- An MSN was issued 25 March 2021 (shared previously).

## Other

### Desmopressin (Desmospray) 10micrograms/actuation nasal spray

- Ferring Pharmaceuticals have [recalled](#) Desmospray with resupplies expected Q3 2023.
- Desmopressin 10micrograms/actuation nasal spray remains available from Aspire Pharma Ltd.

### Desmopressin (Octim) 150microgram/actuation nasal spray

- Desmopressin (Octim) 150 micrograms/actuation nasal spray is out of stock until Q3 2023.
- Ferring Pharmaceuticals have [recalled](#) Octim nasal sprays as a precautionary measure due to a lower volume of solution being observed and out of specification results of desmopressin acetate and benzalkonium chloride.
- Desmopressin (Octim) 15 micrograms/ml injection remains available and can be prescribed as an alternative.
- Unlicensed imports of desmopressin 150micrograms per dose nasal spray can be sourced.
- An MSN was issued 2 October 2020 (shared previously).

### Fentanyl (Instanyl) 100 microgram and 200 microgram nasal sprays

- Takeda are out of stock of Instanyl 100microgram and 200microgram nasal sprays with resupply expected in July 2021.
- Instanyl 50microgram nasal spray remains available.
- Immediate release fentanyl products are not interchangeable and when considering switching patients from one product to another, patients should not be converted on a microgram per microgram basis from one to another; it is necessary to titrate the new formulation with advice from a specialist.
- UKMi have prepared a [clinical memo](#) containing further information.
- The UK recall notice for Instanyl 100microgram can be found [here](#).

### Fludrocortide 0.0125% cream

- Typharm Limited are out of stock with resupply expected mid-May 2021.
- Fludrocortide 4micrograms/cm<sup>2</sup> tape remains available.

### Metronidazole (Acea) 0.75% gel

- Ferndale Pharmaceuticals are out of stock of Acea 0.75% gel until mid-August 2021.
- Metrogel 0.75% and Rozex gel 0.75% gel remain available.
- An MSN was issued on 17 July 2020 (shared previously).

## Vaccines

For updates on other vaccine supply positions, please refer to PHE's [Vaccine Update Bulletin](#).

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### Pneumovax 23 pre-filled syringes

- Supplies of Pneumovax 23 pre-filled syringes (PFS) are out of stock until mid-May 2021.
- An updated Vaccine Supply Notification was issued 22 April 2021 (attached) and includes the clinical prioritisation guidance issued by PHE. This is also available in PHE's [November edition of Vaccine Update bulletin](#) (Pages 3-6).

## Discontinuations

### Alfuzosin (Xatral) 2.5mg tablets (Sanofi)

- Sanofi plan to discontinue Xatral (alfuzosin) 2.5mg tablets from the UK market with immediate effect.
- Alfuzosin 2.5mg tablets remain available from alternate generic suppliers.

### Amisulpride (Solian) 100mg/ml oral solution (Sanofi)

- Sanofi plan to discontinue Solian (amisulpride) 100mg/ml oral solution from the UK market with immediate effect.
- Amisulpride 100mg/ml oral solution remains available from alternate suppliers.

### Ciprofloxacin (Ciproxin) 100mg/50ml solution for infusion (Bayer)

- Bayer have discontinued Ciproxin (ciprofloxacin) 100mg/50ml solution for infusion with immediate effect. Ciproxin 200mg and 400mg IV remains available.
- There are no other manufacturers currently supplying ciprofloxacin 100mg solution for infusion.
- UKMi have advised that suitable alternative antimicrobials remain available.

### Coal tar (Psoriderm) emulsion (Dermal)

- Dermal plan to discontinue Psoriderm (coal tar) emulsion from the UK market in June 2021.
- There are no other coal tar bath products on the market.
- UKMi have advised that bath & shower products are no longer recommended, however, other emollients and topical coal tar products remain available.

### Desmopressin (DDAVP) 0.01% w/v intranasal solution (Ferring)

- Ferring have confirmed that they are unable to resolve the manufacturing issues with DDAVP (desmopressin) 0.01% w/v (100micrograms/ml) intranasal solution, therefore the product will be discontinued.
- Supplies of desmopressin 100micrograms/ml nasal spray (10 micrograms per actuation) remain available from Aspire Pharma Ltd and can fully support demand during this time for patients on doses  $\geq 10$  microgram.
- Unlicensed imports of desmopressin 100micrograms/ml intranasal solution can be sourced.
- The MSN issued 15 October 2020 will be updated shortly.

### Efavirenz (Sustiva) 50mg, 100mg & 200mg capsules and 600mg tablets (Bristol Myers Squibb)

- BMS are discontinuing Sustiva (efavirenz) 50mg, 100mg & 200mg capsules and 600mg tablets from the UK market in June 2021.

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- BMS have previously notified all customers to enable clinicians to switch to alternate antiretroviral medication.

### Estradiol hemihydrate (Elleste Solo MX) 40microgram and 80microgram patches (Viartis)

- Viartis are discontinuing Elleste Solo MX 40 and 80 patches in October 2021 and July 2021, respectively.
- Alternative estradiol patches remain available.
- An MSN was issued 29 April 2021 (attached).

### Fosamprenavir (Telzir) 50mg/ml oral suspension (ViiV Healthcare)

- GSK are discontinuing Telzir (fosamprenavir) 50mg/ml oral solution with immediate effect.
- There are no other suppliers of fosamprenavir oral solution.
- Clinicians should switch patients to alternate antiretroviral medication.

### Gabapentin 400mg capsules (Tillomed)

- Tillomed have discontinued gabapentin 400mg capsules from the UK market with immediate effect.
- Gabapentin 400mg capsules remain available from alternate generic suppliers.

### Lacidipine 2mg tablets (Teva)

- Teva have discontinued lacidipine 2mg tablets from the UK market with immediate effect.
- Lacidipine 2mg tablets remain available from alternate generic suppliers.

### Losartan 100mg / Hydrochlorothiazide 12.5mg tablets (Teva)

- Teva have discontinued losartan 100mg/ hydrochlorothiazide 12.5mg tablets from the UK market and stocks have been exhausted.
- Losartan 100mg/ hydrochlorothiazide 12.5mg tablets remain available from alternate generic suppliers.

### Methadone (Physeptone) 5mg tablets (Martindale)

- Martindale are discontinuing Physeptone 5mg tablets and genericizing the product.
- The equivalent generic product, methadone 5mg tablets, is now available.

### Mirtazapine 45mg tablets (Teva)

- Teva are discontinuing mirtazapine 45mg tablets from the UK market with immediate effect.
- Mirtazapine 45mg tablets remain available from alternate generic suppliers.

### Neomycin 500mg tablets (Advanz Pharma)

- Advanz Pharma are discontinuing neomycin 500mg tablets with immediate effect.
- There are no other suppliers of neomycin 500mg tablets.
- Specialist importers can source unlicensed products. Lead times vary.
- UKMi have advised that suitable alternative antimicrobials for hepatic encephalopathy remain available. Use in other indications, including gut sterilisation, would require advice from Trust microbiologists.

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Pregabalin 25mg, 50mg and 225mg capsules (Tillomed)

- Tillomed are discontinuing pregabalin 25mg, 50mg and 225mg capsules from the UK market with immediate effect.
- Pregabalin 25mg, 50mg and 225mg capsules from alternate generic suppliers.

Repaglinide (Prandin) 500microgram, 1mg & 2mg tablets (Novo Nordisk)

- Novo Nordisk plan to discontinue Prandin (repaglinide) 500microgram, 1mg & 2mg tablets from the UK market in June.

Sodium bicarbonate 500mg capsules (Teva)

- Teva have discontinued sodium bicarbonate 500mg capsules from the market with immediate effect.
- Sodium bicarbonate 500mg capsules remain available from Relonchem (sole supplier) who have confirmed that they can meet any increase in demand.

Tramadol (Zydol) 50mg capsules x 30 pack (Grunenthal)

- Grunenthal are discontinuing Zydol (tramadol) 50mg capsules x 30 pack from the UK market with immediate effect.
- Zydol (tramadol) 50mg capsules x 100 pack remains available.

Tramadol 50mg capsules (Teva)

- Teva are discontinuing tramadol 50mg capsules from the UK market with immediate effect.
- Tramadol 50mg capsules remain available from alternate generic suppliers.

Tramadol 37.5mg / Paracetamol 325mg tablets (Teva)

- Teva have discontinued tramadol 37.5mg/ paracetamol 325mg tablets from the UK market and stock has been exhausted.
- Tramadol 37.5mg/ paracetamol 325mg tablets remain available from alternate generic suppliers.



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Resolved

Acetazolamide SR (Diamox SR) 250mg capsules (23/4/21)  
Atracurium besilate solution for injection vials and ampoules (all strengths) (4/21)  
Balneum Bath Additive (4/4/21)  
Balneum Plus bath oil (26/4/21)  
Cimetidine 200mg/5ml oral solution (sugar free) (9/4/21)  
Crisantaspase (Erwinase) injection (6/4/21)  
Diltiazem (Zemtard) 240mg Capsules (5/5/21)  
Dorzolamide (Eydelto) 20mg/mL preservative free eye drops (16/4/21)  
Enalapril 5mg tablet (15/4/21)  
Ethinylestradiol 30microgram/drospirenone 3mg (Yasmin) tablets (10/4/21)  
Ethinylestradiol 35 microgram/cyproterone 2mg tablets (Dianette) tablets (22/3/21)  
Ferrous fumarate 322mg/Folic Acid 0.35mg (Pregaday) tablets (26/4/21)  
Granisetron (Sancuso) 3.1mg/24 hours transdermal patches (20/4/21)  
Mianserin 30mg tablets (16/4/21)  
Repaglinide 1mg and 2mg tablets (5/5/21)  
Sodium cromoglycate (Intal) 5mg inhaler (5/5/21)  
Voriconazole 200mg powder for solution for infusion (21/4/21)  
Zonisamide 25mg capsules (14/4/21)  
Zonisamide 50mg capsules (14/4/21)

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## Appendix

Table 2: HRT availability and anticipated resolution dates

Ingredient (s)	Manufacturer	Brand	Strength	Current Availability	Anticipated resupply date	
						Oral preparations
<b>Oestrogen Only</b>						
Estradiol hemihydrate	Mylan	Elleste Solo	1mg	In stock		
			2mg	In stock		
	Mylan	Zumenon	1mg	In stock		
			2mg	In stock		
Estradiol valerate	Bayer	Progynova	1mg	In stock	Resupplies due June 2021	
			2mg	In stock (limited)		
Conjugated oestrogen	Pfizer	Premarin	300 microgram	In stock		
			625 microgram	In stock		
			1.25mg	In stock		
Ethinylestradiol	UCB pharma Ltd.	Ethinylestradiol	10 microgram	Long term OOS	Unlicensed imports available; lead times vary	
			50 microgram	Long term OOS		
			1mg	Long term OOS		
<b>Transdermal patches</b>						
Estradiol	Theramex	Evorel	25 microgram	In Stock		
			50 microgram	In Stock		
			75 microgram	In Stock		
			100 microgram	In Stock		
Estradiol hemihydrate	Novartis	Estradot	25 microgram	In stock		
			37.5 microgram	In stock		
			50 microgram	In stock		
			75 microgram	Out of stock		Resupplies due w/c 31 <sup>st</sup> May 2021
			100 microgram	In stock		
	Merus Labs/Norgine	Estraderm	25 microgram	In stock		
			50 microgram	In stock		
			75 microgram	In stock		
			100 microgram	In stock		
	Theramex	FemSeven Mono	50 microgram	Long term OOS	Resupplies due September 2021	
75 microgram			Long term OOS			
100 microgram			Long term OOS			

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	Bayer	Progynova TS	50 microgram	In stock	
			100 microgram	In stock	
	Mylan	Elleste Solo MX	40 microgram	In stock	Product will be discontinued in October 2021
			80 microgram	In stock	Product will be discontinued in July 2021
<b>Topical (Transdermal gels/creams/other delivery systems)</b>					
Estradiol	Besins Healthcare (UK) Ltd	Oestrogel	0.06%	In stock	
Estradiol hemihydrate	Orion	Sandrena	0.5mg	In stock	
			1mg (28)	In stock	
			1mg (91)	In stock	
	Pfizer	E-string vaginal delivery system	7.5 microgram / 24hours	In stock	
Novo Nordisk	Vagifem vaginal tablets	10 microgram	In stock		
Estriol	Flynn Pharma	Blissel	50 microgram/g	In stock	
	Marlborough Pharma	Estriol cream (generic)	0.01%	In stock	
	Aspen	Ovestin cream	1mg	In stock	
<b>Progestogen only</b>					
Levonorgestrel	Bayer	Mirena Intrauterine device	20 microgram /24hr	In stock	
Progesterone	Besins Healthcare (UK) Ltd	Utrogestan	100mg	In stock	
		Utrogestan	200mg	In stock	
<b>Combined HRTs (Progestogen and oestrogen)</b>					
<b>Continuous combined therapy</b>					
<b>Oral preparations</b>					
Estradiol hemihydrate / norethisterone acetate	Mylan	Elleste Duet Conti	2mg / 1mg	In stock	
	Novo Nordisk	Kliofem	2mg/ 1mg	In stock	
		Kliovance	1mg/ 500 microgram	In stock	
Estradiol hemihydrate /	Mylan	Femoston Conti	500 microgram / 2.5mg	In stock	
Dydrogesterone			1mg/ 5mg	In stock	
Estradiol valerate/medroxyprogesterone	Orion	Indivina	1mg /2.5mg	In stock	
			2mg/ 5mg	In stock	

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			1mg/5mg	In stock	
low dose conjugated oestrogen/medroxyprogesterone	Pfizer	Premique	300 microgram /1.5mg	In stock	
<b>Transdermal patch</b>					
Estradiol hemihydrate/norethisterone acetate	Theramex	Evorel Conti	3.2mg/11.2mg	In stock	
Estradiol hemihydrate/levonorgestrel		FemSeven Conti	1.5mg/ 0.525mg	In stock	
<b>Sequential combined therapy</b>					
<b>Oral preparations</b>					
Estradiol hemihydrate / norethisterone acetate	Mylan	Elleste Duet	1mg/1mg	In stock	
			2mg/1mg	In stock	
Estradiol hemihydrate/dydrogesterone		Femoston	1mg/10mg	In stock	
			2mg/10mg	In stock	
Estradiol hemihydrate / norethisterone acetate	Novo Nordisk	Novofem	1mg/1mg	In stock	
a)Estradiol hemihydrate b)Estradiol hemihydrate/norethisterone acetate c)Estradiol hemihydrate		Trisequens	a)1mg b)2mg/1mg c)1mg	In stock	
Estradiol valerate/medroxyprogesterone acetate	Orion	Tridestra	2mg/20mg	In stock	
<b>Transdermal patch</b>					
a) Estradiol hemihydrate and b) estradiol hemihydrate/norethisterone acetate	Theramex	Evorel Sequi	a)3.2mg b) 3.2 mg /11.2 mg	In stock	
a) 1.5mg of estradiol hemihydrate b) Estradiol hemihydrate /levonorgestrel		FemSeven Sequi	a) 1.5mg b) 1.5mg /1.5mg	Long term OOS	Resupplies due September 2021
<b>Gonadomimetic (s)</b>					
Tibolone 2.5mg	MSD/Advanz pharma	Livial tablets	Tibolone 2.5mg	In stock	
<b>Selective oestrogen receptor modulator</b>					
Ospemifene 60mg tablets	Shionogi	Senshio tablets	Ospemifene 60mg	In stock	

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