

## Supply Issues Update for Primary and Secondary Care: November 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.

DHSC and NHSE/I have launched an online [Medicines Supply Tool](#). The contents of this report can now be viewed on the Tool. To access the Tool you will be required to register with the SPS website.

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

### Contents

New Issues .....	3	Diazepam (Diazemuls) 10mg/2ml emulsion for injection.....	4
Injectables .....	3	Enoxaparin (Clexane) pre-filled syringes (various strengths).....	4
Desferrioxamine 2g and 500mg injection vials .....	3	Heparin calcium solution for injection 5000unit/0.2ml preservative free.....	5
Medroxyprogesterone (Sayana Press) 104mg/0.65mL suspension for injection pre-filled syringe .....	3	Human normal Immunoglobulin (IVIg) .....	5
Tocilizumab (RoActemra) 162mg/0.9ml solution for injection pre-filled syringes and pre-filled pens.....	3	Lidocaine 200mg/20ml (1%) with adrenaline 100micrograms/20ml (1 in 200,000) (Xylocaine 1%) solution for injection vials .....	5
Orals.....	3	Mitomycin 2mg and 10mg powder for solution for injection/infusion .....	5
Estradiol valerate (Progynova) 2mg tablets ..	3	Mitoxantrone 2mg/ml solution for infusion vials .....	6
Others .....	3	Ranitidine 50mg/2ml injection .....	6
Latanoprost 50micrograms/ml / timolol 5mg/ml eye drops (Fixapost) 0.2ml unit dose preservative free eye drops.....	3	Sodium calcium edetate 500mg/10ml injection .....	6
Ongoing Issues.....	4	Tetracosactide (Synacthen Depot) 1mg depot injection .....	6
Injectables .....	4	Tinzaparin sodium (10,000 IU/ml) 3,500 IU in 0.35 ml and 4,500 IU in 0.45 ml pre-filled syringes .....	6
Adrenaline 1mg/ml (1:1000) solution for injection pre-filled syringes (PFS) (1mL) .....	4	Tocilizumab (RoActemra) 80mg, 200mg and 400mg solution for infusion vials.....	7
Adrenaline 150microgram (Emerade) auto-injectors .....	4	Urokinase (Syner-KINASE) 10,000IU and 25,000IU injection.....	7
Bleomycin 15,000unit powder for solution for injection vials .....	4	Verteporfin (Visudyne) 15mg powder for solution for infusion.....	7
Calcitonin (salmon) 50units/1ml solution for injection ampoules .....	4	Voriconazole 200mg injection .....	7
Diamorphine 5mg and 10mg injection .....	4		

COMMERCIAL-SENSITIVE

Orals.....	7
Cetirizine 1mg/ml oral solution sugar free....	7
Chloral hydrate 143.3mg/5ml oral solution ..	7
Clomifene (Clomid) 50mg tablets.....	8
Cloral betaine 707mg tablets .....	8
Colestipol (Colestid) plain 5g granules sachets .....	8
Colestyramine (Questran) Powder for Oral Suspension.....	8
Contraceptive products (oral) .....	8
Fluoxetine 10mg tablets.....	9
Histamine (H <sub>2</sub> ) antagonists .....	9
Hormone Replacement Therapy products (HRT) .....	9
Kolanticon Gel.....	9
Metformin 500mg/5ml oral solution.....	9
Mesalazine (Asacol) 800mg MR gastro-resistant tablets.....	10
Phenelzine sulphate (Nardil) 15mg tablets .	10
Ranitidine oral preparations.....	10
Sodium cromoglicate (Nalcrom) 100mg capsules .....	10
Tapentadol (Palexia) 20mg/ml oral solution .....	10
Tuberculosis (TB) oral agents .....	10
Varenicline (Champix) 0.5mg and 1mg tablets .....	11
Others .....	11
Desmopressin (Desmospray) 10micrograms/actuation nasal spray .....	11
Desmopressin (DDAVP) 0.01% w/v intranasal solution.....	11
Dimeticone 22%/benzalkonium chloride 0.1% (Conotrane) cream .....	11
Fentanyl (Instanyl) 50 microgram, 100 microgram and 200 microgram nasal sprays .....	11
Flumetasone/clioquinol (Locorten Vioform) 0.02%/1% ear drops solution .....	11

Gentamicin 0.3% and hydrocortisone acetate 1% (Gentisone HC) Ear Drops .....	12
Hydrocortisone 0.2% w/w and lidocaine hydrochloride monohydrate 1.0% w/w (Perinal) cutaneous spray .....	12
Lidocaine 5%/hydrocortisone 0.275% (Xyloproct) ointment .....	12
Vaccines .....	12
Palivizumab (Synagis) 100mg/1ml and 50mg/0.5ml solution for injection vials.....	12
Discontinuations .....	12
Acebutolol (Sectral) 100mg capsules (Neon) .....	12
Carbimazole 20mg Tablets (Activase) .....	13
Co-codamol 15/500mg capsules (Galen)....	13
Diazepam RecTubes 2.5mg Rectal Solution (Wockhardt).....	13
Salbutamol (Ventolin) 2.5mg and 5mg Nebules (GSK) .....	13
Somatropin (Zomacton) 10mg powder and solvent for solution for injection vials (Ferring) .....	13
Resolved.....	13
Clonidine (Catapres) 100 microgram tablets (25/10/21).....	13
Glipizide (Minodiab) 5mg tablets (2/11/21)	13
Hydrocortisone sodium phosphate 100mg/1ml solution for injection ampoules (21/10/21).....	13
Ketotifen (Zaditen) 1mg tablets (20/10/21)	13
Metronidazole (Acea) 0.75% gel (15/10/21) .....	13
Rivastigmine (Erastig) 13.3mg/24hours transdermal patches (22/10/21) .....	13
Sulfasalazine (Salazopyrin) 500mg tablets (14/10/21).....	13
Appendix.....	14
Table 1: HRT availability and anticipated resolution dates.....	14

## **Information provided: w/c 1 November 2021**

### New Issues

#### Injectables

##### Desferrioxamine 2g and 500mg injection vials

- Kent Pharmaceuticals are currently out of stock of desferrioxamine 2g vials. Resupply of the 2g vials is expected 8 November; resupply of the 500mg vials is to be confirmed.
- Limited volumes of desferrioxamine 500mg vials (supplied by Novartis) remain in the market and are available for NHS hospitals to access if local stock holding is not sufficient to meet anticipated demand until 8 November.
- A Medicine Supply Notification (MSN) was issued 29 October 2021 (attached).

##### Medroxyprogesterone (Sayana Press) 104mg/0.65mL suspension for injection pre-filled syringe

- Pfizer, sole supplier is out of stock until w/c 27 December 2021.
- Depo-Provera (medroxyprogesterone acetate 150mg/mL) remains available and can support the market during this time, should clinicians deem a switch appropriate.

##### Tocilizumab (RoActemra) 162mg/0.9ml solution for injection pre-filled syringes and pre-filled pens

- RoActemra 162mg/0.9ml solution for injection pre-filled syringes and pre-filled pens are in limited supply until January 2022.
- A Supply Disruption Alert ([SDA](#)) was issued on 25 October 2021.

#### Orals

##### Estradiol valerate (Progynova) 2mg tablets

- Bayer, sole supplier, are out of stock of until w/c 22 November 2021.
- Limited supplies will be available from some parallel importers from w/c 8 November 2021.
- Progynova 1mg tablets remain available.

#### Others

##### Latanoprost 50micrograms/ml / timolol 5mg/ml eye drops (Fixapost) 0.2ml unit dose preservative free eye drops

- Fixapost eye drops are out of stock until mid-November 2021.
- Latanoprost (Monopost) 50microgram/ml 0.2ml unit dose preservative free eye drops remain available.
- Timolol (Eysano) 5mg/ml and 2.5mg/ml eye drops preservative free and timolol (Tiopex) 1mg/g gel eye drops 0.4g unit dose preservative free remain available.
- Other preservative-free combination eye drops also remain available.
- An MSN was issued 27 October 2021 (attached).

## Ongoing Issues

### Injectables

#### Adrenaline 1mg/ml (1:1000) solution for injection pre-filled syringes (PFS) (1mL)

- Adrenaline 1:1000 injection pre-filled syringes are out of stock until January 2022.
- Adrenaline 1:1000 solution for injection ampoules (1mL) remain available and can support an uplift in demand.

#### Adrenaline 150microgram (Emerade) auto-injectors

- There are currently sufficient supplies of Jext and EpiPen Junior to meet normal UK demand for adrenaline 150microgram auto-injectors.
- The advice remains to conserve supplies of AIs 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 AIs.
- The [Green Book](#) and [Resus Council guidance](#) provides additional advice to healthcare professionals on the use of adrenaline in response to anaphylaxis.

#### Bleomycin 15,000unit powder for solution for injection vials

- Accord, sole supplier remains out of stock of bleomycin 15,000unit injection until at least mid-2022.
- Specialist importers can source unlicensed products. Lead times vary.
- An updated MSN was issued 14 June 2021 (shared previously).

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

- Essential Pharma, sole supplier, is out of stock of calcitonin 50units/1ml injection 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 are in stock of diamorphine 5mg and 10mg injections.
- An MSN was issued on the 9 April 2021 (shared previously) reminding clinicians of the permanent actions they were asked to take in the [SDA](#) for diamorphine ampoules issued 25 March 2020.

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

- Diazemuls 10mg/2ml emulsion for injection is out of stock long term.
- Lorazepam 4mg/ml solution for injection is available and able to support a full uplift in demand.
- Unlicensed imports of diazepam 10mg/2ml emulsion for injection can be sourced. Lead times vary.
- An updated MSN was issued 27 May 2021 (shared previously).

#### Enoxaparin (Clexane) pre-filled syringes (various strengths)

- A shortage of the ERIS automatic safety system will impact the availability of several Clexane pre-filled syringes until October 2022 (list below):

## COMMERCIAL-SENSITIVE

- 4,000IU (40mg/0.4ml)
- 6,000IU (60mg/0.6ml)
- 8,000IU (80mg/0.8ml)
- 10,000IU (100mg/1ml)
- To mitigate the supply issue during this period, Sanofi will supply Clexane with the PREVENTIS automatic safety system for the affected presentations only. This will be a UK licensed product.
- Other brands of enoxaparin biosimilars remain available but cannot support an uplift in demand.
- Organisations who use Clexane should prepare to have syringes with two different safety devices in use across the portfolio and ensure appropriate communication and training of health care professionals and patients is undertaken before September. The Sanofi Dear Health Care Professional letter was shared previously.
- An MSN was issued 27 July 2021 (shared previously).

## Heparin calcium solution for injection 5000unit/0.2ml preservative free

- Wockhardt, sole supplier, are out of stock of heparin calcium 5000unit/0.2ml preservative free ampoules until the end of November 2021.
- Heparin sodium 5000unit/0.2ml preservative free ampoules are currently available.
- Panpharma can supply heparin sodium 5000unit/1ml preservative free ampoules to support any gaps in supply. It is available for order via Mawdsley's. Although this is a lower concentration than heparin 5000unit/0.2ml, it is a higher concentration than heparin 5000 units/5ml which is routinely used.
- Other strengths of heparin remain available.
- An MSN was issued 25 June 2021 (shared previously).

## Human normal Immunoglobulin (IVIg)

- There is a decreased volume of some presentations of immunoglobulin leading to a shortfall until December 2021.
- Trust level allocations have been cascaded to all Trusts in England.
- Trusts are advised to assess patients who require long term immunoglobulin therapies and use allocations to minimise the need to switch between presentations and brands.
- An MSN was issued 19 July 2021 (shared previously).

## Lidocaine 200mg/20ml (1%) with adrenaline 100micrograms/20ml (1 in 200,000) (Xylocaine 1%) solution for injection vials

- Xylocaine 1% with adrenaline is out of stock until March 2022.
- Xylocaine 2% with adrenaline currently remains available but is likely to be out of stock by the end of December 2021. Resupply is expected mid-January 2022.
- Alternative licensed products containing bupivacaine and adrenaline remain available. Where these are not suitable, unlicensed alternatives may be sourced.
- An MSN was issued 6 September 2021 (shared previously); an updated MSN will be issued shortly.

## 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 via Mawdsley's and 40mg from Accord-UK Ltd.
- Mitomycin for intravesical use remains available including 20mg from Vygoris Ltd and 40mg from Medac GmbH.

## COMMERCIAL-SENSITIVE

- Specialist importers can source unlicensed products. Lead times vary.
- An updated MSN was issued 24 December 2020 (shared previously).

### Mitoxantrone 2mg/ml solution for infusion vials

- Pfizer and Baxter Healthcare are out of stock of mitoxantrone 2mg/ml solution for infusion, 20mg and 25mg vials. Full market resupply is expected mid-December 2021.
- Baxter can support full market demand of both 20mg and 25mg vials from mid-December 2021.
- Trusts should take actions to conserve stock of mitoxantrone for patients who have commenced a course of treatment and only initiate new patients once further stock has been obtained.
- Specialist importers have indicated that unlicensed imports can be sourced, lead times vary.
- An MSN was issued 5 October 2021 (shared previously).

### 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).
- Further advice on alternative intravenous acid suppressants for paediatric patients can be found via the SPS website [here](#).

### Sodium calcium edetate 500mg/10ml injection

- Sodium calcium edetate 500mg/10 ml injection is only available as an unlicensed preparation and is unavailable until late 2022.
- Mawdsley's have sourced an alternative unlicensed product from Italy, but this is a higher strength preparation of sodium calcium edetate (1000mg/10ml). This product is available to order.
- The product information has been translated into English and clinical specialists consider this an appropriate replacement, albeit at a higher strength.
- The prescribing information in the SPC for this unlicensed product may not reflect UK practice.
- Toxbase and Medusa monographs have been amended to highlight availability of the higher strength product.
- Trusts are advised to work with their procurement teams and Medication Safety Officers to ensure any existing stock of the 500mg/10 ml product is not stored with this higher strength product to reduce risk of dosing errors and protocols/guidelines amended to reflect use of this higher strength product.

### Tetracosactide (Synacthen Depot) 1mg depot injection

- Atnahs Pharma, sole suppliers are out of stock with resupply date to be confirmed.
- Specialist importers can source unlicensed products. Lead times vary.

### Tinzaparin sodium (10,000 IU/ml) 3,500 IU in 0.35 ml and 4,500 IU in 0.45 ml pre-filled syringes

- Tinzaparin sodium 3,500units in 0.35 ml and 4,500units in 0.45 ml pre-filled syringes are out of stock until January 2022 (date TBC).
- All other presentations of tinzaparin remain available.
- Organisations who use tinzaparin for both prophylaxis and treatment of venous thromboembolism will need to consider if they wish to switch to an alternative low molecular weight heparin (LMWH) for all indications or just for prophylaxis.
- A Supply Disruption Alert ([SDA](#)) was issued 29 July 2021.

## COMMERCIAL-SENSITIVE

### Tocilizumab (RoActemra) 80mg, 200mg and 400mg solution for infusion vials

- RoActemra 80mg and 400mg solution for infusion vials are currently available but in limited supply with no resolution date.
- RoActemra 200mg solution for infusion vials are currently out of stock with no resupply date.
- Allocations have been put in place at a trust level, on a weekly basis, to safeguard remaining stock.
- Kevzara (sarilumab) 200mg solution for injection pre-filled syringes remain available and trusts should ensure they have stock in case tocilizumab becomes unavailable.
- An updated MSN was issued 13 September 2021 (shared previously).

### Urokinase (Syner-KINASE) 10,000IU and 25,000IU injection

- Syner-KINASE 10,000IU and 25,000IU injection are out of stock until December 2021.
- Syner-KINASE 100,000IU injection remains available and can support an uplift in demand (see DHCP shared previously).
- Details of other suggested alternative products, if required, can be found in the [SPS MI memo](#).
- An MSN was issued 27 May 2021 (shared previously).

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

- UK licensed Visudyne is out of stock with limited supplies expected during November 2021.
- Unlicensed imports cannot currently be sourced by specialist importer companies.
- An MSN was issued 27 May 2021 (shared previously).

### Voriconazole 200mg injection

- All suppliers are out of stock due to a sharp increase in demand during July, August and September.
- Fresenius Kabi and Bowmed are expecting a resupply w/c 1 November and Pfizer in mid-November 2021.
- Trusts in all regions should take actions to conserve stock of voriconazole injection by reviewing local practice.
- Specialist importers have indicated that unlicensed imports can be sourced, lead times vary.
- An updated MSN was issued 22 October 2021 (attached).

## Orals

### Cetirizine 1mg/ml oral solution sugar free

- There are currently limited supplies of cetirizine 1mg/ml oral solution.
- UCB Pharma are currently in stock of cetirizine 1mg/ml oral solution (150ml).
- Pinewood is currently in stock of cetirizine 1mg/ml oral solution (200ml), with further resupplies due w/c 15 November 2021.
- Cipla have limited supplies of cetirizine 1mg/ml oral solution (200ml) which are being supplied to NHS England and Scotland contracts.
- Alternative suppliers remain in stock of cetirizine 1mg/ml oral solution (70ml).

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

- Chloral hydrate 143.3mg in 5ml oral solution is out of stock until end of November 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).



COMMERCIAL-SENSITIVE

Clomifene (Clomid) 50mg tablets

- Clomid 50mg tablets are out of stock until early January 2022.
- Generic clomifene 50mg tablets remain available and can support an uplift in demand.

Cloral betaine 707mg tablets

- Atnah's, sole supplier, are out of stock with resupply to be confirmed.
- Alternative medicines for insomnia remain available.

Colestipol (Colestid) plain 5g granules sachets

- Colestid plain sachets are out of stock with a resupply date to be confirmed.
- Colestid orange sachets are currently available.
- SPS MI 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 April 2022.
- Specialist importers can source unlicensed products. Lead times vary.
- Colestyramine light 4g sugar free sachets remain available.
- SPS MI 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	Active ingredients	Anticipated resupply date	Management Advice
<b>Qlaira</b>	Estradiol valerate / Dienogest (various strengths)	w/c 18 Apr 2022	See <a href="#">SmPC- Qlaira</a> for full list of ingredients. There are no exact equivalent preparations available in the UK market. Clinicians are advised to refer to <a href="#">CKS guidance</a> and <a href="#">BNF</a> for advice. Unlicensed imports have been sourced; lead times vary.
<b>Femodene ED</b>	Ethinylestradiol 30 micrograms/ gestodene 75 micrograms	w/c 6 Dec 2021	See <a href="#">SmPC-Femodene ED</a> for full list of ingredients. There are no exact equivalent preparations available in the UK market. Femodene tablets remain available and able to support an uplift in demand. Clinicians are advised to refer to <a href="#">CKS guidance</a> and <a href="#">BNF</a> for advice or alternative products. SPS MI have advised where 7 inactive pills are required, clinicians should consider switching to an alternate oral ED preparation.



## COMMERCIAL-SENSITIVE

### Fluoxetine 10mg tablets

- Endo Ventures are out of stock of fluoxetine 10mg tablets until June 2022.
- 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).

### Histamine (H<sub>2</sub>) antagonists

- Famotidine 20mg and 40mg tablets are currently available.
- Cimetidine 200mg, 400mg and 800mg tablets are out of stock until mid-November 2021. Specialist importers can source unlicensed products. Lead times vary.
- Cimetidine 200mg/5ml oral solution/syrup is currently available.
- Nizatidine 150mg and 300mg capsules are currently available.

### 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.

#### *Ethinylestradiol 10microgram, 25 microgram, 50microgram and 1 milligram 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 FemSeven Mono 100 patches will be out of stock until end of 2021.
- FemSeven Sequi patches will be out of stock until Q1 2022.
- Specialist importers can source unlicensed products. Lead times vary.

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

- Topridge, sole supplier, is out of stock until the end of 2021.
- 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.

### Kolanticon Gel

- Kolanticon gel is out of stock until January 2022.
- Alternative preparations for symptomatic relief of gastro-intestinal disorders characterised by hyperacidity, smooth muscle spasm, including irritable bowel syndrome (IBS), and flatulence, remain available.
- An MSN was issued 16 June 2021 (shared previously).

### Metformin 500mg/5ml oral solution

- Advanz Pharma have discontinued metformin 500mg/5ml oral solution due to further testing requirements necessitated by the potential presence of N-nitrosodiethylamine (NDMA) impurities.
- Rosemont Pharmaceuticals have recalled one batch of metformin 500mg/5ml oral solution due to the presence of NDMA impurities and are therefore out of stock due to further testing requirements.

## COMMERCIAL-SENSITIVE

- Limited supplies of metformin 500mg/5ml oral solution are expected to be made available mid-November 2021, however, this is unable to support full demand.
- Long term supply issues of metformin 500mg/5ml oral solution are expected.
- An MSN was issued 13 September 2021 (shared previously).

### Mesalazine (Asacol) 800mg MR gastro-resistant tablets

- Asacol 800mg MR gastro-resistant tablets are out of stock with resupply due end of November 2021.
- Asacol 400mg MR gastro-resistant tablets remain available but cannot support full demand for the Asacol 800mg strength tablets.
- Octasa MR 400mg and 800mg tablets remain available and can support full demand for the Asacol 800mg strength MR tablets.
- Other mesalazine tablet preparations, with different release characteristics, remain available should there be difficulties sourcing Octasa MR tablets or Asacol 400mg MR tablets.
- An MSN was issued 6 October 2021 (shared previously).

### Phenelzine sulphate (Nardil) 15mg tablets

- Neon Healthcare, the new suppliers of Nardil are currently out of stock. A 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.

### 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).

### Sodium cromoglicate (Nalcrom) 100mg capsules

- Nalcrom 100mg capsules are out of stock until mid-December 2021.
- Generic sodium cromoglicate 100mg capsules remain available
- An MSN was issued 2 September 2021 (shared previously).

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

- Batches of Palexia 20mg/ml oral solution have been [recalled](#) due to potential microbial contamination with resupply not expected until mid-2022.
- Palexia 50mg tablets remain available.

### Tuberculosis (TB) oral agents

- Several TB medicines have been impacted by supply issues.
- See the table in the MSN for a summary of the supply position with TB medications.
- An updated MSN was issued 21 October 2021 (attached).

## COMMERCIAL-SENSITIVE

### Varenicline (Champix) 0.5mg and 1mg tablets

- In June, Pfizer, the sole supplier of Champix, stopped the distribution of all Champix 0.5mg and 1mg tablets due to the presence of nitrosamine impurities above Pfizer's acceptable level of daily intake in several lots.
- There is no date for resupply and no availability of varenicline products until further notice. There are currently no alternative suppliers of varenicline tablets.
- The Medicines and Healthcare products Regulatory Agency (MHRA) initiated a class 2 medicines [recall \(EL 21 A/25\)](#) of all strengths of Champix tablets on 14 October 2021.
- An SDA was issued 24 June and an updated [SDA](#) was issued 28 October 2021.

## Others

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

- DDAVP (desmopressin) 0.01% w/v intranasal solution is out of stock until Q3 2023.
- 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.
- An MSN was issued 15 October 2020 (shared previously).

### Dimeticone 22%/benzalkonium chloride 0.1% (Conotrane) cream

- Conotrane cream is out of stock until late December 2021.
- Clinicians should consider the indication and any hypersensitivity to excipients/antiseptic before recommending an alternative.
- A list of alternative products can be found in the [BNF](#).

### Fentanyl (Instanyl) 50 microgram, 100 microgram and 200 microgram nasal sprays

- Takeda are out of stock of all Instanyl nasal sprays until the end of February 2022.
- 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.
- SPS MI have prepared a [clinical memo](#) containing further information.
- The UK recall notice for Instanyl 100microgram can be found [here](#).

### Flumetasone/clioquinol (Locorten Vioform) 0.02%/1% ear drops solution

- Advanz, sole supplier, are out of stock of Locorten Vioform ear drops until April 2022.
- Alternative combination steroid and antibacterial ear drops remain available.
- Clinicians should consider whether there is also a clear clinical need to co-prescribe antifungal ear drops, which remain available.

## COMMERCIAL-SENSITIVE

- An MSN was issued 21 July 2021 (shared previously).

### Gentamicin 0.3% and hydrocortisone acetate 1% (Gentisone HC) Ear Drops

- Gentisone HC ear drops are out of stock until the end of November 2021.
- Alternative combination topical ear products containing an aminoglycoside with a steroid remain available.
- An MSN was issued 12 July 2021 (shared previously).

### Hydrocortisone 0.2% w/w and lidocaine hydrochloride monohydrate 1.0% w/w (Perinal) cutaneous spray

- Dermal Laboratories are out of stock of Perinal cutaneous spray until July 2022.
- Alternate topical anaesthetic/steroid preparations remain available:
  - Uniroid- HC (cinchocaine hydrochloride 5mg/hydrocortisone 5mg) ointment
  - Scheriproct (cinchocaine hydrochloride 5mg/prednisolone hexanoate 1.9g) ointment
  - Proctosedyl (cinchocaine hydrochloride 5mg/hydrocortisone 5mg) ointment

### Lidocaine 5%/hydrocortisone 0.275% (Xyloproct) ointment

- Aspen Pharmacare are currently out of stock until March 2022.
- Alternate topical anaesthetic/steroid preparations remain available:
  - Uniroid- HC (cinchocaine hydrochloride 5mg/hydrocortisone 5mg) ointment
  - Scheriproct (cinchocaine hydrochloride 5mg/prednisolone hexanoate 1.9g) ointment
  - Proctosedyl (cinchocaine hydrochloride 5mg/hydrocortisone 5mg) ointment

## Vaccines

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

### Palivizumab (Synagis) 100mg/1ml and 50mg/0.5ml solution for injection vials

- Supplies of Synagis 100mg/1ml and 50mg/0.5ml solution for injection are no longer limited.
- However, hospitals placing orders will continue to be asked to complete a Supply Requirement Form and place orders directly with Astra Zeneca because licensed non-GB stock remains in circulation.
- An updated VSN will be issued shortly.

## Discontinuations

### Acebutolol (Sectral) 100mg capsules (Neon)

- Neon Healthcare are discontinuing Sectral 100mg capsules with stock expected to be exhausted by the end of November 2021.
- Acebutolol 200mg capsules and 400mg tablets remain available and can support an increase in demand.
- Unlicensed imports of acebutolol 100mg capsules can be sourced. Lead times may vary.
- An MSN was issued 1 November 2021 (attached).

## COMMERCIAL-SENSITIVE

### Carbimazole 20mg Tablets (Activase)

- Activase have discontinued carbimazole 20mg tablets.
- Supplies remain available from other manufacturers.

### Co-codamol 15/500mg capsules (Galen)

- Galen have discontinued co-codamol 15/500mg capsules.
- Codipar (co-codamol) 15/500mg capsules remain available from Advanz.
- Co-codamol 15/500mg tablets also remain available from other manufacturers.

### Diazepam RecTubes 2.5mg Rectal Solution (Wockhardt)

- Diazepam RecTubes 2.5mg have been discontinued in the UK and remaining supplies are expected to be exhausted by March 2022.
- Diazepam 5mg/2.5ml rectal solution remains available and can support an uplift in demand.
- Alternative parenteral and non-parenteral preparations also remain available.
- An [SDA](#) was issued 11 October 2021.

### Salbutamol (Ventolin) 2.5mg and 5mg Nebules (GSK)

- GSK have discontinued Ventolin 2.5mg and 5mg nebulisers with remaining stock expected to be exhausted early December for the 2.5mg strength and late December for the 5mg strength.
- Ventolin Respirator Solution 5mg/ml remains available.
- Supplies of salbutamol nebuliser liquid remain available from alternative suppliers.

### Somatropin (Zomacton) 10mg powder and solvent for solution for injection vials (Ferring)

- Ferring have discontinued Zomacton 10mg injection.
- Other somatropin 10mg injections remain available from other manufacturers.
- Zomacton 4mg injection remains available.

## Resolved

Clonidine (Catapres) 100 microgram tablets (25/10/21)

Glipizide (Minodiab) 5mg tablets (2/11/21)

Hydrocortisone sodium phosphate 100mg/1ml solution for injection ampoules (21/10/21)

Ketotifen (Zaditen) 1mg tablets (20/10/21)

Metronidazole (Acea) 0.75% gel (15/10/21)

Rivastigmine (Erastig) 13.3mg/24hours transdermal patches (22/10/21)

Sulfasalazine (Salazopyrin) 500mg tablets (14/10/21)

## Appendix

Table 1: HRT availability and anticipated resolution dates

Ingredient (s)	Manufacturer	Brand	Strength	Current Availability	Anticipated resupply date
		Oral preparations			
<b>Oestrogen Only</b>					
Estradiol hemihydrate	Viartis	Elleste Solo	1mg	In stock	
			2mg	In stock	
	Viartis	Zumenon	1mg	In stock	
			2mg	In stock	
Estradiol valerate	Bayer	Progynova	1mg	In stock	Resupplies due w/c 22 Nov 2021
			2mg	Limited supplies	
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	In stock	
			100 microgram	In stock	
	Merus Labs/Norgine	Estraderm	25 microgram	In stock	
			50 microgram	In stock	
			75 microgram	In stock	
100 microgram			In stock		

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	Theramex	FemSeven Mono	50 microgram	In Stock	
			75 microgram	In Stock	
			100 microgram	Long term OOS	Resupplies due end of 2021
	Bayer	Progynova TS	50 microgram	In stock	
			100 microgram	In stock	
<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	Viatrix	Elleste Duet Conti	2mg / 1mg	In stock	
	Novo Nordisk	Kliefem	2mg/ 1mg	In stock	
		Kliovance	1mg/ 500 microgram	In stock	
Estradiol hemihydrate /Dydrogesterone	Viatrix	Femoston Conti	500 microgram / 2.5mg	In stock	
			1mg/ 5mg	In stock	



COMMERCIAL-SENSITIVE

Estradiol valerate/ medroxyprogesterone	Orion	Indivina	1mg /2.5mg	In stock	
			2mg/ 5mg	In stock	
			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	Viatrix	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/norethister one 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 Q1 2022
<b>Gonadomimetic (s)</b>					
Tibolone 2.5mg	Organon	Livial tablets	Tibolone 2.5mg	In stock	

COMMERCIAL-SENSITIVE

Selective oestrogen receptor modulator					
Ospemifene 60mg tablets	<b>Shionogi</b>	<b>Senshio tablets</b>	Ospemifene 60mg	In stock	