

# Medicines: Shortages and Supply Issues

## Supply Issues Update – as of 21<sup>st</sup> August 2020:

The following advice is based on information available that the Cambridgeshire and Peterborough Medicines Optimisation Team were aware of at the time of writing.

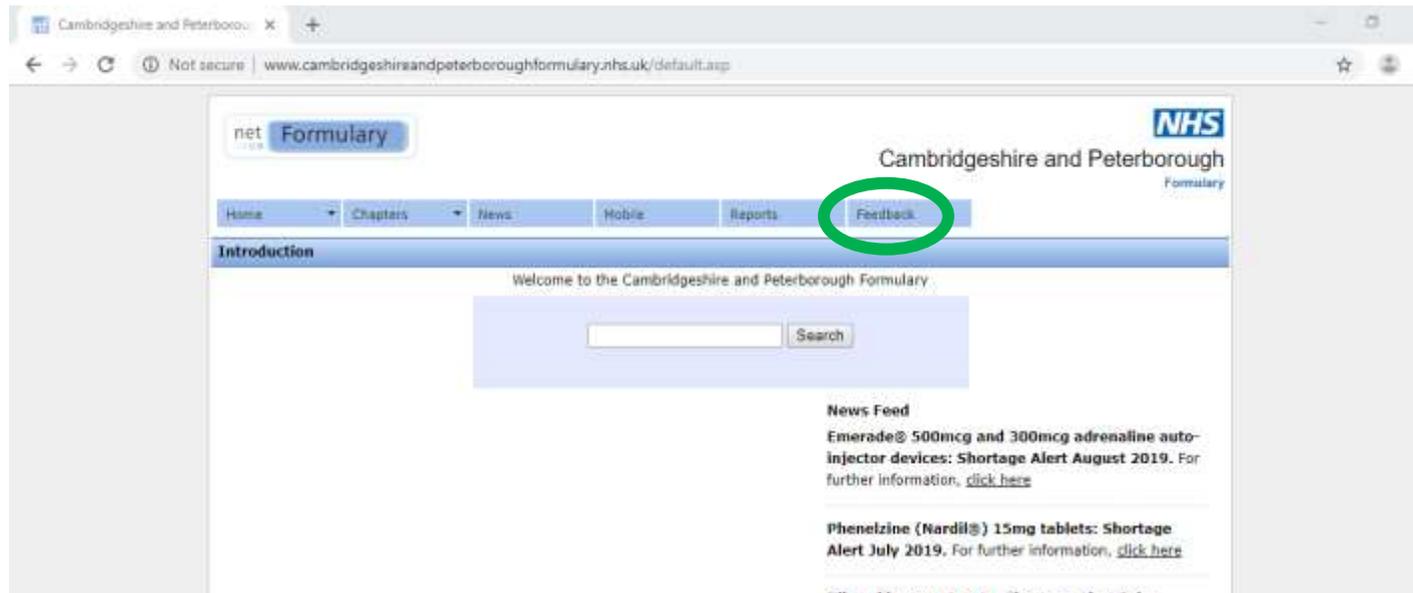
Please be aware the situation often changes **on a daily basis** and may depend on individual wholesaler supply to dispensaries/pharmacies.

**The Medicines Optimisation Team would always recommend checking our online netFormulary platform in the first instance for the latest medicine shortage information within both the NEWS FEED and by searching for the individual medicine monograph.**

**Pharmacies, dispensaries and patients should check supplies in their locality before requesting prescribers to change prescriptions as different pharmacies and dispensaries use a range of wholesalers.**

Related messages will also be added to our prescribing support software, Optimise Rx where relevant.

***Please use the netFormulary FEEDBACK tab to ALERT the Medicines Optimisation Team to any potential CRITICAL DRUG SHORTAGE issues that may have a clinical impact on patients so we can investigate this further.***



**PLEASE NOTE THAT THE MEDICINES OPTIMISATION TEAM IS WORKING TO URGENTLY UPDATE THIS DOCUMENT IN LINE WITH NATIONAL GUIDANCE FROM THE DHSC (21/08/2020).**

## **CORONAVIRUS UPDATE – SUPPLY DIFFICULTIES**

### **Palliative Care Stock Availability *FREQUENT MONITORING***

- Pharmacies which participate in the Palliative Care Scheme should hold stock of essential drugs for emergency supply and rapid access.
- The Medicines Optimisation Team are reviewing the supplies of these medicines with the manufacturers on a daily basis.
- For current availability see link: <https://www.cambridgeshireandpeterboroughccg.nhs.uk/EasySiteWeb/GatewayLink.aspx?allId=20590>
- The Medicines Optimisation Team have updated the **CCG Palliative Care webpage** to include updated end of life care documents, stock availability and pharmacy opening hours: <https://www.cambridgeshireandpeterboroughccg.nhs.uk/health-professionals/prescribing-information/controlled-drugs-and-palliative-care/palliative-care-prescribing/>

## **NEW items OUT OF STOCK/DISCONTINUATIONS**

### **Brevinor tablets *SUPPLY ISSUES***

- Pfizer the sole supplier is out of stock until Q3 2020 due to manufacturing issues.
- UKMi, have previously advised that there are no exact equivalent preparations to available in the UK market.
- Other ethinylestradiol and norethisterone OCP products should be available on formulary.
- Clinicians are advised to refer to CKS guidance for advice Combined Oral Contraceptives (COCs): <https://cks.nice.org.uk/contraception-combined-hormonal-methods>

### **Conotrane cream *DISCONTINUED 100G SIZE***

- The 100g size is being discontinued however the 500g size should be available to order through Alliance Healthcare from 06/05/2020.

### **Danazol 100mg and 200mg capsules *DISCONTINUATION***

- Danazol 100mg and 200mg capsules have been discontinued in the UK and remaining supplies of both strengths are now exhausted.
- Danazol has several licensed indications and off-label uses. The management of patients prescribed danazol for licensed indications will differ to those prescribed danazol for an off-label use.
- Please see Supply Disruption Alert issued 29th May 2020 for further supportive information on how to manage patients prescribed danazol: <https://www.cambridgeshireandpeterboroughccg.nhs.uk/EasySiteWeb/GatewayLink.aspx?allId=20905&UNLID=97091884202052913539>

### **Enalapril 20mg tablets *SUPPLY DIFFICULTIES***

- All suppliers of enalapril 20mg tablets are out of stock until early August 2020.
- Alternate strengths of enalapril (2.5mg, 5mg and 10mg) tablets remain available and will be able to support increased demand.

- See Medicine Supply Notification below (issued 24/07/2020) for further actions to be taken in relation to this shortage:  
<https://www.cambridgeshireandpeterboroughccg.nhs.uk/EasySiteWeb/GatewayLink.aspx?allId=21703&UNLID=2663981952020730105049>

#### **Imipramine 25mg tablets *SUPPLY ISSUES***

- Imipramine 25mg tablets are out of stock until early August.
- Imipramine 10mg tablets remain available.
- For further information, see Medicine Supply Notification issued 25/06/2020:  
<https://www.cambridgeshireandpeterboroughccg.nhs.uk/EasySiteWeb/GatewayLink.aspx?allId=21737&UNLID=283093897202085131216>

#### **Lithium carbonate (Priadel) 200mg and 400mg modified release tablets *DISCONTINUATION***

- Priadel® (lithium carbonate) 200mg and 400mg modified-release tablets are being discontinued in the UK and remaining supplies of both strengths are expected to be exhausted by April 2021.
- The DHSC have released a Supply Disruption Alert (published 21/08/2020 - see link below) however, **Cambridgeshire and Peterborough STP are urgently working with our mental health specialists to agree a robust and safe management plan for patients currently prescribed Priadel 200mg or 400mg modified release tablets both in Primary and Secondary Care to ensure that any switch to an alternative formulation is carried out safely. We would advise that NO current changes to patient's therapy, in relation to this discontinuation, should be made, until we release further information to you, which will be available over the coming weeks, during September 2020.**
- Supply disruption alert (published 21<sup>st</sup> August 2020):  
<https://www.cambridgeshireandpeterboroughccg.nhs.uk/EasySiteWeb/GatewayLink.aspx?allId=21830&UNLID=842274081202082115289>

#### **Rasagiline 1mg tablets *SUPPLY ISSUES***

- Supplies of generic rasagiline 1mg tablets are currently on transit to the wholesalers and should be available shortly.
- Teva have reported they have good supplies of Azilect® (branded rasagiline) available.

#### **Salazopyrin® (sulfasalazine) 500mg suppositories *SUPPLY ISSUES***

- Salazopyrin® (sulfasalazine) 500mg suppositories will be out of stock until late June 2020.
- Limited supplies of Salofalk® (mesalazine) 500mg suppositories will be available week commencing 18th May 2020.
- Pentasa® (mesalazine) 1g suppositories remain available during this period.
- See Supply Disruption Alert issued 13th May 2020, for further information:  
<https://www.cambridgeshireandpeterboroughccg.nhs.uk/EasySiteWeb/GatewayLink.aspx?allId=20893&UNLID=9616826812020522113234>
- Please seek advice and guidance from the specialist in charge of the individual patient's care if you have any concerns about alternative management until normal supplies resume.

#### **Sulfasalazine 250mg/5ml oral suspension (Rosemont) *OUT OF STOCK***

- Sulfasalazine 250mg/5ml oral suspension is out of stock until August 2020.

- Sulfasalazine 500mg tablets remain available:

-Where clinically appropriate, UK Medicines Information have advised that all non-enteric coated preparations of sulfasalazine 500mg tablets are scored and can be halved. If the patient cannot swallow the half tablet, then it can be crushed and mixed in 15-30ml water or a soft foodstuff and swallowed. The crushing of the tablet will be an unlicensed use of the medicine.

- Patients taking doses that are not in increments of 250mg should be reviewed by a doctor and the dose adjusted to increments of 250mg where possible.
- If sulfasalazine 500mg tablets are not appropriate or a dose adjustment to increments of 250mg is not possible, consider prescribing unlicensed sulfasalazine 250mg/5ml oral suspension available from Specials manufacturers (see supporting information below for further details).
- For further information and actions to be taken to deal with this shortage, please see Medicine Supply Notification link below:  
<https://www.cambridgeshireandpeterboroughccg.nhs.uk/EasySiteWeb/GatewayLink.aspx?allId=20838&UNLID=43262727220205715332>

#### **Valaciclovir 500mg tablets *SUPPLY DIFFICULTIES***

- Ranbaxy and Aurobindo the generic suppliers are both out of stock with resupply dates to be confirmed.
- GSK, the supplier of the brand Valtrex, has confirmed sufficient supplies are available to meet normal UK demand.

#### **Zyban (bupropion hydrochloride) 150mg prolonged-release tablets *SUPPLY DIFFICULTIES***

- Zyban® (bupropion hydrochloride) 150mg prolonged release tablets will be out of stock from week commencing 15th June 2020 until the end of November 2020.
- See Supply Disruption Alert link below (issued 29th May 2020) for further information on how to manage patients during this shortage:  
<https://www.cambridgeshireandpeterboroughccg.nhs.uk/EasySiteWeb/GatewayLink.aspx?allId=20914&UNLID=970918842020529133648>

#### **BACK IN STOCK (Resolved May 2020)**

Disopyramide 150mg capsules (11/5/20)

Eletriptan (Relpax) 40mg tablets (7/5/20)

Methadone (Physeptone) 1mg/ml sugar free oral solution (7/5/2020)

Prazosin (Hypovase) 500mcg tablets (18/5/20)

Somatropin (Genotropin) 0.6mg, 1mg, 1.2mg MiniQuick devices (15/5/20)

Trifluoperazine 1mg/5mg tablets (1/5/20)

Valproate semisodium (Depakote) 500mg tablets (15/5/20)

**UPDATES** on previous recent items

Product	Current Availability and background	Advice on alternatives <i>See netFormulary for further information</i>
<p><b>Acetazolamide SR 250mg capsules</b></p>	<p>Acetazolamide SR 250mg capsules are out of stock until the end of July 2020.</p>	<p>Acetazolamide immediate release 250mg tablets remain available.</p> <p>For patients with insufficient supplies, clinicians should consider prescribing acetazolamide immediate release 250mg tablets.</p> <p><b><i>Where prescribing of acetazolamide is not for the indication of glaucoma, urgent advice and guidance on potential management options should be discussed with the patient's specialist.</i></b></p> <p>See the links below for further advice about management and switching from acetazolamide modified-release capsules to immediate release formulations:  <a href="https://www.cambridgeshireandpeterboroughccg.nhs.uk/EasySiteWeb/GatewayLink.aspx?allid=20715">https://www.cambridgeshireandpeterboroughccg.nhs.uk/EasySiteWeb/GatewayLink.aspx?allid=20715</a> and  <a href="https://www.cambridgeshireandpeterboroughccg.nhs.uk/EasySiteWeb/GatewayLink.aspx?allid=20731">https://www.cambridgeshireandpeterboroughccg.nhs.uk/EasySiteWeb/GatewayLink.aspx?allid=20731</a></p>
<p><b>Adrenaline auto-Injectors:</b> <i>Emerade, EpiPen and Jext</i></p>	<p><b><u>Emerade</u></b> <b>Devices will be unavailable for the foreseeable future.</b></p> <p>On the 4<sup>th</sup> March 2020, the MHRA issued a class 2 recall to patient level for all unexpired batches of Emerade 150mcg auto-injectors.</p> <p>On the 7<sup>th</sup> April 2020, the MHRA issued a class 2 recall to patient level for all unexpired batches of Emerade 300mcg auto-injectors.</p> <p>On the 18<sup>th</sup> May 2020, the MHRA issued a class 2 recall to patient level for all unexpired batches of Emerade 500mcg auto-injectors.</p> <p><u>EpiPen</u></p> <p>Prescription validation has been lifted for both EpiPen Junior and EpiPen devices.</p> <p><u>Jext</u> 150mcg and 300mcg devices are currently available.</p>	<p>See <a href="#">netFormulary</a> for further information and links to useful resources.</p>

<b>Amiloride 5mg tablets</b>	Accord are out of stock until August 2020.	Wockhardt stock should be available to support during this time.
<b>Betamethasone (Vistamethasone) 0.1% eye drops</b>	Martindale are out of stock until October 2020.	RPH Pharma have stock available (Betnesol drops) to support via AAH, Alliance Healthcare and Phoenix.
<b>Bilastine</b>	Due to the COVID-19 situation the manufacturer, Menarini, will not be promoting Bilastine in the UK for the foreseeable future.	Alternative formulary options can be found on netFormulary, see link: <a href="http://www.cambridgeshireandpeterboroughformulary.nhs.uk/chaptersSubDetails.asp?FormularySectionID=3&amp;SubSectionRef=03.04.01&amp;SubSectionID=B100&amp;drugmatch=3571#3571">http://www.cambridgeshireandpeterboroughformulary.nhs.uk/chaptersSubDetails.asp?FormularySectionID=3&amp;SubSectionRef=03.04.01&amp;SubSectionID=B100&amp;drugmatch=3571#3571</a>
<b>Bile acid sequestrants</b>	<p><u>Colestyramine</u></p> <p>Questran Powder 4g sachets are out of stock until 2021.</p> <p>Questran Light sachets are currently available to order in limited supplies through Alliance Healthcare.</p> <p>Colestyramine light (generic) manufactured by Mylan has been launched and is available through wholesalers AAH, Alliance Healthcare and Phoenix.</p> <p><u>Colesevelam</u></p> <p>Cholestigel 625mg tablets (colesevelam): <b>currently available from AAH, Alliance Healthcare and Phoenix.</b></p> <p><u>Colestipol (non-formulary)</u></p> <p>Colestid (colestipol) granules 5g (orange): <b>Unavailable, with resupply date yet to be confirmed.</b></p> <p>Colestid (colestipol) granules 5g (plain): <b>Currently available.</b></p>	Please view the following link for further information: <a href="#">Shortage Alert of Bile Acid Sequestrants</a>
<b>Bupeaze</b> (buprenorphine 96-hour patches) 35mcg, 52.5mcg and 70mcg	Dr Reddy's have confirmed that the: - 35mcg and 52.5mcg patches are unavailable, due to be replenished August 2020. - 70mcg patches are available.	NAPP pharmaceuticals have confirmed that they have stock available of all strengths of their 96-hour buprenorphine patch - Transtec: 35mcg, 52.5mcg and 70mcg. <i>Where patients need to be switched onto the alternative brand, please ensure that the prescription is written by the brand name TRANSTEC.</i>

<p><b>Carbagen</b> (carbamazepine) immediate release and modified-release – 200mg, 400mg</p>	<p>Carbamazepine is considered a Category 1 anti-epileptic medication and patients should normally be maintained on the same brand, however Mylan (manufacturers of Carbagen) are out of stock of the below products and currently unable to provide a resupply date: Carbagen 200mg and 400mg immediate release tablets Carbagen 200mg and 400mg modified release tablets.</p>	<p>Tegretol tablets (Novartis), the alternative brand of carbamazepine, have confirmed that all presentations are currently availability.</p> <p>Please view the following link for further information: <a href="#">Shortage Alert of Carbagen</a></p>
<p><b>Clonidine 25mcg tablets</b></p>	<p>Accord are out of stock and unable to advise a resupply date.</p> <p>Sandoz are out of stock but expect to have further supplies w/c 6<sup>th</sup> July 2020.</p>	<p>Please view the following link for further information: <a href="#">Shortage of Clonidine 25mcg tablets</a></p>
<p><b>Co-careldopa 25mg/100mg tablets (Teva)</b></p>	<p>Teva, a generic supplier is out of stock and is currently unable to provide a resupply date.</p>	<p>MSD, the supplier of the brand Sinemet Plus can cover supply for the whole market during this time.</p>
<p><b>Convulex 150mg, 300mg and 500mg (valproic acid) capsules</b></p>	<p>Convulex 150mg and 300mg capsules will be available, from Alliance Healthcare, from Friday the 19<sup>th</sup> of June 2020.</p> <p>The 500mg will be available from Alliance Healthcare, from early w/c 22<sup>nd</sup> June 2020.</p>	<p>See link below for the supply disruption alert issued 23<sup>rd</sup> December 2019: <a href="https://www.cas.mhra.gov.uk/ViewandAcknowledgment/ViewAttachment.aspx?Attachment_id=103378">https://www.cas.mhra.gov.uk/ViewandAcknowledgment/ViewAttachment.aspx?Attachment_id=103378</a></p>
<p><b>Creon (Pancreatin) 25,000 capsules</b></p>	<p>Mylan have been experiencing a temporary supply constraint with this strength.</p>	<p>Mylan are working closely with their wholesaler partners to ensure an even distribution nationally of stock that is currently available, and it has been confirmed locally that Alliance Healthcare and Phoenix wholesalers have stock available. AAH are expecting stock to be available at their depots by w/c 13/07/2020.</p> <p>Where Creon 25,000 capsules are not available currently locally:</p> <ul style="list-style-type: none"> <li>○ Creon Micro and Creon 10,000 capsules continue to be available and Creon capsules are interchangeable.</li> <li>○ Patients prescribed Creon 25,000 can reach their recommended amount by taking an equivalent dose using the Creon 10,000 strength.</li> </ul> <p>See <a href="#">netFormulary</a> for further information.</p>
<p><b>Depakote 250mg and 500mg tablets</b></p>	<p>Depakote:</p> <ul style="list-style-type: none"> <li>○ 250mg GR tablets are unavailable with further supplies expected w/c 6<sup>th</sup> July 2020.</li> <li>○ 500mg are available to order through AAH and Phoenix.</li> </ul> <p>Belvo (valproate semisodium) tablets:</p>	<p>Syonell (valproate semisodium) tablets:</p> <ul style="list-style-type: none"> <li>○ 250mg GR tabs – Available via AAH, Alliance Healthcare and Phoenix.</li> <li>○ 500mg GR tabs – Available via AAH, Alliance Healthcare and Phoenix.</li> </ul>

	<ul style="list-style-type: none"> <li>No stock available of either strength, their next delivery is due w/c 22<sup>nd</sup> June and stock should be available with wholesalers by the end of month (particularly the 250mg strength).</li> </ul>	<p>For actions to deal with this shortage see Medicine Supply Notification link below:  <a href="https://www.cambridgeshireandpeterboroughccg.nhs.uk/EasySiteWeb/GatewayLink.aspx?allId=20452&amp;UNLID=981480055202031613172">https://www.cambridgeshireandpeterboroughccg.nhs.uk/EasySiteWeb/GatewayLink.aspx?allId=20452&amp;UNLID=981480055202031613172</a></p> <p>There is also a shortage of Convulex (valproic acid) which is the only licensed valproic acid treatment of generalised, partial, or other epilepsy in children and adults. Patients who are prescribed Depakote for off-license use in epilepsy indications, advice should be sought from their epilepsy specialist responsible for their care.</p>
<b>Dexamethasone with Antibacterials (Sofradex)</b>	Sanofi are out of stock until September 2020.	Alternative preparations for use in the ear – <a href="#">netFormulary</a> . Alternative preparations for use in the eye – <a href="#">netFormulary</a> .
<b>Diamorphine Hydrochloride powder for reconstitution and injection 5mg and 10mg ampoules</b>	<p>There are two suppliers of these products in the UK, Wockhardt and Accord.</p> <p>Accord are out of stock of both 5mg and 10mg strengths, with a re-supply date of Summer 2020.</p> <p>Wockhardt's 5mg and 10mg strengths are currently available with limited supplies.</p> <p>The indication from both suppliers of diamorphine 5mg and 10mg strengths is that the supply will remain unpredictable for the foreseeable future.</p> <p>Diamorphine hydrochloride 30mg ,100mg, 500mg are available but manufacturers are unable to support an increase in demand on these strengths.</p>	<p><i>Please note - Morphine has superseded diamorphine as the end of life choice of opioid in adults in primary and secondary care. Sufficient supplies of morphine sulfate 10mg/ml injection are available from Ethypharm and Hameln to support this supply disruption. The Hameln presentation is preservative free. Morphine and diamorphine are not equipotent, and care should be taken when switching patients or amending guidelines, see shortage memo below for further information.</i></p> <p>Please refer to the Central Alerting System (CAS) alert issued 25/03/2020: <a href="https://www.cas.mhra.gov.uk/ViewandAcknowledgment/ViewAttachment.aspx?Attachment_id=103486">https://www.cas.mhra.gov.uk/ViewandAcknowledgment/ViewAttachment.aspx?Attachment_id=103486</a></p> <p>Please view the following link for further information:  <a href="#">Shortage Alert Memo for Diamorphine</a></p>
<b>Epanutin (Phenytoin) 30mg/5ml oral suspension</b>	Epanutin® (phenytoin) 30mg/5ml oral suspension will be out of stock from w/c 2nd March until late June 2020.	<p>The Canadian brand of phenytoin 30mg/5ml oral suspension - 'Dilantin-30®' - is equivalent to Epanutin® 30mg/5ml oral suspension and supplies are available on an 'unlicensed' basis.</p> <p>Different formulations of phenytoin (other than Dilantin® 30mg/5ml oral suspension) are not interchangeable and if patients are switched to anything other than 'Dilantin® (phenytoin) 30mg/5mL oral suspension' careful management of switching and monitoring is required which may require specialist advice, support, or referral.</p>

		See link below to supply disruption alert published 25 <sup>th</sup> February 2020 for further information: <a href="https://www.cas.mhra.gov.uk/ViewAndAcknowledgment/viewAttachment.aspx?Attachment_id=103423">https://www.cas.mhra.gov.uk/ViewAndAcknowledgment/viewAttachment.aspx?Attachment_id=103423</a>
<b>Exemestane 25mg tablets</b>	Zentiva - this is out of stock and no date for resupply confirmed.	Accord have limited supplies available.  Mylan have stock available via AAH.  Pfizer have also confirmed availability.
<b>Fludroxycortide 0.0125% cream and ointment</b>	Typharm Limited cannot release further stock of fludroxycortide cream and ointment due to updates to their licences and changes to regulatory standards. There is no confirmed resupply date.	Fludroxycortide 4micrograms per square cm tape remains available.
<b>Fluoxetine 10mg tablets</b>	Endo Ventures are out of stock of fluoxetine 10mg tablets until March 2021.	Fluoxetine 10mg capsules and fluoxetine 20mg/5ml oral solution remain available.  A serious shortage protocol (SSP) is currently in place. See the below link for further information: <a href="https://www.nhsbsa.nhs.uk/sites/default/files/2020-03/SSP%20Fluoxetine%2010mg%20tablets%20final%20-%20signed.pdf?UNLID=3441477642020325103238">https://www.nhsbsa.nhs.uk/sites/default/files/2020-03/SSP%20Fluoxetine%2010mg%20tablets%20final%20-%20signed.pdf?UNLID=3441477642020325103238</a>  Medicine Supply Notification issued
<b>Fluoxetine 40mg capsules</b>	Advanz, sole supplier of fluoxetine 40mg capsules are out of stock with resupply date to be confirmed.	Fluoxetine 20mg capsules remain available.  See links below for further information.  A serious shortage protocol (SSP) is currently in place. See the below link for further information: <a href="https://www.nhsbsa.nhs.uk/sites/default/files/2020-05/SSP%20Fluoxetine%2040mg%20capsules%20final%200052020.pdf?UNLID=9523440742020639457">https://www.nhsbsa.nhs.uk/sites/default/files/2020-05/SSP%20Fluoxetine%2040mg%20capsules%20final%200052020.pdf?UNLID=9523440742020639457</a>  Medicine Supply Notification issued 29 <sup>th</sup> May 2020: <a href="https://www.cambridgeshireandpeterboroughccg.nhs.uk/EasySiteWeb/GatewayLink.aspx?allid=20930&amp;UNLID=9523440742020639457">https://www.cambridgeshireandpeterboroughccg.nhs.uk/EasySiteWeb/GatewayLink.aspx?allid=20930&amp;UNLID=9523440742020639457</a>

<b>Galantamine</b>	Teva will be out of stock of their immediate release galantamine preparations (8mg and 12mg) until July 2020.	We have been advised that galantamine modified release preparations are readily available (8mg, 16mg, 24mg). The preferred brand in Primary Care is Gatalin XL Capsules. See <a href="#">netFormulary</a> for further support from UKMi on switching preparations.																																							
<b>Glibenclamide 2.5mg and 5mg tablets (Wockhardt)</b>	Wockhardt have discontinued these tablets with immediate effect.	Patients will need to be individually reviewed and considered for switching to an alternative sulphonylurea. The current first line formulary choice is Gliclazide. Please <b>DO NOT prescribe</b> Amglidia, glibenclamide oral suspensions, licensed for neonatal diabetes. <b>These formulations are extremely HIGH COST: £21,000 for 30ml (6mg/ml) and £2,100 for 30ml (0.6mg/ml).</b>																																							
<b>Haloperidol 500 microgram capsules (Serenace)</b>	Teva, the sole supplier of the capsule formulation has discontinued Serenace capsules.	<b>Haloperidol 500 microgram tablets are currently available.</b>  A serious shortage protocol (SSP) is currently in place. See the below link for further information: <a href="https://www.nhsbsa.nhs.uk/pharmacies-gp-practices-and-appliance-contractors/serious-shortage-protocols-ssps">https://www.nhsbsa.nhs.uk/pharmacies-gp-practices-and-appliance-contractors/serious-shortage-protocols-ssps</a>																																							
<b>Hormone Replacement Therapies</b>	There are still ongoing issues with hormone replacement therapy products.	Please view the following link for further information: <a href="#">Shortages Alert Memo for HRT</a>																																							
<b>Levodopa/carbidopa/entacapone tablets</b>	Teva and Accord have informed the DHSC that there are supply issues impacting on the following presentations of Stanek and Sastravi tablets. Anticipated resupply dates as per table below:  <table border="1" data-bbox="483 879 1178 1461"> <thead> <tr> <th>Presentations Affected</th> <th>Stanek</th> <th>Sastravi</th> </tr> </thead> <tbody> <tr> <td colspan="3"><b>75mg/18.75mg/200mg tablets</b></td> </tr> <tr> <td>Pack size 30</td> <td>Early August 2020</td> <td>Available</td> </tr> <tr> <td colspan="3"><b>100mg/25mg/200mg tablets</b></td> </tr> <tr> <td>Pack size 100</td> <td>Mid-July 2020</td> <td>Late-June 2020</td> </tr> <tr> <td>Pack size 30</td> <td>Mid-July 2020</td> <td>Late-June 2020</td> </tr> <tr> <td colspan="3"><b>125mg/31.25mg/200mg tablets</b></td> </tr> <tr> <td>Pack size 30</td> <td>Available</td> <td>Late-June 2020</td> </tr> <tr> <td colspan="3"><b>150mg/37.5mg/200mg tablets</b></td> </tr> <tr> <td>Pack size 100</td> <td>Early August 2020</td> <td>Available</td> </tr> <tr> <td>Pack size 30</td> <td>Available</td> <td>Late-June 2020</td> </tr> <tr> <td colspan="3"><b>175mg/43.75mg/200mg tablets</b></td> </tr> <tr> <td>Pack size 100</td> <td>Out of stock from late June until end of July 2020</td> <td>Late-June 2020</td> </tr> </tbody> </table>	Presentations Affected	Stanek	Sastravi	<b>75mg/18.75mg/200mg tablets</b>			Pack size 30	Early August 2020	Available	<b>100mg/25mg/200mg tablets</b>			Pack size 100	Mid-July 2020	Late-June 2020	Pack size 30	Mid-July 2020	Late-June 2020	<b>125mg/31.25mg/200mg tablets</b>			Pack size 30	Available	Late-June 2020	<b>150mg/37.5mg/200mg tablets</b>			Pack size 100	Early August 2020	Available	Pack size 30	Available	Late-June 2020	<b>175mg/43.75mg/200mg tablets</b>			Pack size 100	Out of stock from late June until end of July 2020	Late-June 2020	All other Stanek and Sastravi presentations remain available during this time.  Supplies of Stalevo tablets which are considered equivalent, continue to remain available.  For patients with insufficient supplies of Stanek or Sastravi until the anticipated resupply date, clinicians should consider prescribing levodopa/carbidopa/entacapone tablets generically so that pharmacies can supply an equivalent preparation of an available product.  Patients who are required to change brand should be monitored for side effects/change in disease control.  Patients should be counselled on any changes to avoid medication errors, especially for those patients on more than one strength of tablets.  See Medicine Supply Notification below for further information: <a href="https://www.cambridgeshireandpeterboroughccg.nhs.uk/Easy">https://www.cambridgeshireandpeterboroughccg.nhs.uk/Easy</a>
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Pack size 30	Available	Late-June 2020																																							
<b>150mg/37.5mg/200mg tablets</b>																																									
Pack size 100	Early August 2020	Available																																							
Pack size 30	Available	Late-June 2020																																							
<b>175mg/43.75mg/200mg tablets</b>																																									
Pack size 100	Out of stock from late June until end of July 2020	Late-June 2020																																							

	<table border="1"> <tr> <td>Pack size 30</td> <td>End of July</td> <td>Late-June 2020</td> </tr> <tr> <td colspan="3" style="text-align: center;"><b>200mg/50mg/200mg tablets</b></td> </tr> <tr> <td>Pack size 100</td> <td>Early August 2020</td> <td>Out of stock from late June until end of July 2020</td> </tr> </table>	Pack size 30	End of July	Late-June 2020	<b>200mg/50mg/200mg tablets</b>			Pack size 100	Early August 2020	Out of stock from late June until end of July 2020	<a href="http://www.cambridgeshireandpeterboroughccg.nhs.uk/EasySiteWeb/GatewayLink.aspx?allid=20647&amp;UNLID=49428867620204710170">SiteWeb/GatewayLink.aspx?allid=20647&amp;UNLID=49428867620204710170</a>
Pack size 30	End of July	Late-June 2020									
<b>200mg/50mg/200mg tablets</b>											
Pack size 100	Early August 2020	Out of stock from late June until end of July 2020									
<b>Lorazepam (Ativan®) 4mg/ml solution for injection</b>	<p>Ativan® (lorazepam) 4mg/ml solution for injection will be out of stock from w/c 27th April until w/c 15th June 2020.</p> <p>Ativan® (lorazepam) 4mg/ml solution for injection supplies will remain available for primary care customers throughout this period.</p>	<p>See Supply Disruption Alert below for further information:  <a href="https://www.cambridgeshireandpeterboroughccg.nhs.uk/EasySiteWeb/GatewayLink.aspx?allid=20811&amp;UNLID=2188268502020569350&amp;UNLID=21882685020205693716">https://www.cambridgeshireandpeterboroughccg.nhs.uk/EasySiteWeb/GatewayLink.aspx?allid=20811&amp;UNLID=2188268502020569350&amp;UNLID=21882685020205693716</a></p>									
<b>Medroxyprogesterone (Provera) 400mg tablets</b>	Out of stock until mid-June 2020.	All other strengths are currently available.									
<b>Mesalazine (Salofalk) 1g suppositories</b>	Salofalk 1g suppositories are out of stock until late July 2020.	<p>Salofalk 500mg suppositories are currently available in limited supplies with full supply expected by mid-June 2020.</p> <p>Pentasa 1g suppositories remain available.</p> <p>The DHSC have produced a medicine supply notification outlining actions required to deal with this medication shortage, available at:  <a href="https://www.cambridgeshireandpeterboroughccg.nhs.uk/EasySiteWeb/GatewayLink.aspx?allid=19479&amp;UNLID=643914070201912214275">https://www.cambridgeshireandpeterboroughccg.nhs.uk/EasySiteWeb/GatewayLink.aspx?allid=19479&amp;UNLID=643914070201912214275</a></p>									
<b>Metoprolol</b>	<p>Aurobindo-Milpharm, the sole supplier in the UK, have a long-term shortage affecting metoprolol 50mg and 100mg tablets; caused by some manufacturers discontinuing the products and others having supply difficulties.</p> <p>They currently have limited stock available; supply is likely to be intermittent for several months.</p>	<p>Please view the following link for further information:  <a href="#">Shortage Alert Memo for Metoprolol</a></p>									
<b>Mirtazapine oro-dispersible tablets</b>	<p>Accord, 15mg strength is available but supply to wholesalers is restricted and therefore is limited, the 45mg strength are unavailable until October 2020.</p> <p>Almus – all three strengths are unavailable and there is no date for resupply.</p>	<p>Aurobindo – stock is available to order via AAH or Sigma.</p> <p>The DHSC have produced a medicine supply notification outlining actions to deal with this shortage (published 25<sup>th</sup> June 2020), available at:  <a href="https://www.cambridgeshireandpeterboroughccg.nhs.uk/EasySiteWeb/GatewayLink.aspx?allid=21754">https://www.cambridgeshireandpeterboroughccg.nhs.uk/EasySiteWeb/GatewayLink.aspx?allid=21754</a></p>									

	Medreich – 15mg and 45mg are unavailable with further stocks expected the last week of August 2020.	
<b>Moclobemide</b>	<p>Mylan is currently out of stock of moclobemide (Manerix) 150mg and 300mg tablets with resupply expected by early June for the 150mg tablets and from early July for the 300mg strength from AAH, Alliance Healthcare and Phoenix.</p> <p>Sandoz is currently out of stock and expects resupply for the 150mg in July 2021 and the 300mg in March 2021.</p>	Please view the following link for further information: <a href="#">Shortage Alert Memo for Moclobemide</a>
<b>Nifedipine</b>	There are still ongoing issues with nifedipine products.	Please view the following link for further information: <a href="#">Shortages Alert Memo for Nifedipine</a>
<b>Norimin (ethinylestradiol 35 microgram/norethisterone 1mg)</b>	Pfizer are out of stock until Q3 2020 due to manufacturing issues.	UKMi have advised that there are no exact equivalent preparations to Norimin available on the UK market. Other ethinylestradiol and norethisterone OCP products should be available on formulary. Clinicians are advised to refer to CKS guidance for advice COCs: <a href="https://cks.nice.org.uk/contraception-combined-hormonal-methods">https://cks.nice.org.uk/contraception-combined-hormonal-methods</a>
<b>Norethisterone 5mg tablets</b>	The manufacturers Sanofi and Wockhardt are reporting that they have no supply of norethisterone 5mg tablets available.	Norethisterone 5mg tablets in the brands Utovlan and Primolut N tablets are currently available from Alliance Healthcare.
<b>Pethidine 50mg tablets</b>	<p>Martindale are out of stock.</p> <p>Teva will be out of stock by the end of August.</p> <p>There are no alternative suppliers.</p>	Patients should be reviewed by a clinician to assess ongoing need. For support with individual patients in Primary Care, please contact the Medicines Optimisation Team for further advice via <a href="mailto:CAPCCG.prescribingpartnership@nhs.net">CAPCCG.prescribingpartnership@nhs.net</a> .
<b>Phenelzine</b>	Kyowa Kirin, sole supplier is out of stock and is currently unable to advise a resupply date.	<p>Please view the following link for further information: <a href="#">Shortage Memo Alert for Phenelzine</a></p> <p>The DHSC have produced a Supply Disruption Alert for Phenelzine 15mg tablets to support with this shortage: <a href="https://www.cambridgeshireandpeterboroughccg.nhs.uk/EasySiteWeb/GatewayLink.aspx?allid=21596">https://www.cambridgeshireandpeterboroughccg.nhs.uk/EasySiteWeb/GatewayLink.aspx?allid=21596</a></p>
<b>Phenytoin (Epanutin) 50mg chewable Infatabs</b>	Pfizer are out of stock until 13 <sup>th</sup> of July 2020 due to a manufacturing delay.	Pfizer has obtained approval from the MHRA to import stock of Dilantin (phenytoin) Infatabs from Canada. Canadian packs of Dilantin are considered unlicensed in the UK. See <a href="#">netFormulary</a> monograph for further information.

<b>Phenytoin Sodium NRIM 100mg capsules (Accord)</b>	<p>Accord are expected to be out of stock of phenytoin 100mg capsules until w/c 25<sup>th</sup> May 2020 due to a regulatory change at their manufacturing site.</p> <p>Flynn Pharma can support the full market during this time.</p>	<p>Please refer to the Central Alerting System (CAS) alert issued 10/01/2020:  <a href="https://www.cas.mhra.gov.uk/ViewandAcknowledgment/ViewAttachment.aspx?Attachment_id=103380">https://www.cas.mhra.gov.uk/ViewandAcknowledgment/ViewAttachment.aspx?Attachment_id=103380</a></p>
<b>Phytomenadione (Konakion MM Paediatric) 2mg/0.2ml ampoules (Cheplapharm)</b>	<p>UK licensed Konakion MM Paediatric is out of stock until June 2020 (exact resupply date TBC).</p>	<p>Supplies of Konakion MM Paediatric in tri-lingual packaging (including English; considered unlicensed in the UK) are available to support during this time. See links below for further information.</p> <p>Medicine Supply Notification issued 9<sup>th</sup> April 2020:  <a href="https://www.cambridgeshireandpeterboroughccg.nhs.uk/EasySiteWeb/GatewayLink.aspx?allid=20716&amp;UNLID=50899642020417131416">https://www.cambridgeshireandpeterboroughccg.nhs.uk/EasySiteWeb/GatewayLink.aspx?allid=20716&amp;UNLID=50899642020417131416</a></p> <p>Declaration of equivalence:  <a href="https://www.cambridgeshireandpeterboroughccg.nhs.uk/EasySiteWeb/GatewayLink.aspx?allid=20717&amp;UNLID=50899642020417131416">https://www.cambridgeshireandpeterboroughccg.nhs.uk/EasySiteWeb/GatewayLink.aspx?allid=20717&amp;UNLID=50899642020417131416</a></p> <p>Konakion Solution for Injection Ampoules 2mg/0.2mL - Ordering unlicensed special:  <a href="https://www.cambridgeshireandpeterboroughccg.nhs.uk/EasySiteWeb/GatewayLink.aspx?allid=20718&amp;UNLID=50899642020417131416">https://www.cambridgeshireandpeterboroughccg.nhs.uk/EasySiteWeb/GatewayLink.aspx?allid=20718&amp;UNLID=50899642020417131416</a></p>
<b>Prazosin (Hypovase)</b>	<p>Hypovase 1mg tablets are out of stock with resupply date to be confirmed.</p>	<p>Hypovase 500mcg tablets are currently available.</p>
<b>Ranitidine Products</b>	<p><b>The European Medicines Agency are still reviewing ranitidine medicines following detection of NDMA.</b></p> <p>Ranitidine tablets, effervescent tablets and oral solution are expected to be out of stock with no date for resupply until further notice.</p> <p>The MHRA Medicines have instructed suppliers of oral ranitidine in the UK to quarantine ALL affected, unreleased stock at manufacturer level whilst their investigations are ongoing.</p>	<p>Please view the following links for further information:  <a href="#">Supply Disruption Alert issued 15/10/2019</a>  <a href="#">Supply Disruption Alert issued 20/12/2019</a>  <a href="#">Shortage Alert of Ranitidine Products</a></p>
<b>Sertraline 50mg and 100mg tablets</b>	<p>Supply difficulties.</p>	<p>For further information on stock availability and potential management options for where local supplies of sertraline 50mg and 100mg are not available, see the following link:</p>

		<a href="https://www.cambridgeshireandpeterboroughccg.nhs.uk/EasySiteWeb/GatewayLink.aspx?allid=20694">https://www.cambridgeshireandpeterboroughccg.nhs.uk/EasySiteWeb/GatewayLink.aspx?allid=20694</a>
<b>Slo-Phyllin (theophylline) 60mg/125mg/250mg capsules</b>	Merck, the suppliers of Slo-Phyllin® (theophylline), have reported that due to manufacturing issues from their supplier, the manufacture of this product has ceased immediately, and will be discontinued. Merck anticipate estimated out of stock dates from the end of November 2019.	Limited stock is available to order directly from Merck's customer services, if unavailable from wholesalers.  Prescribers will need to review and switch all affected patients who still require theophylline, from Slo-Phyllin® to alternative preparations.  See CAS alert for further information and advice on switching to alternative preparations: <a href="https://www.cas.mhra.gov.uk/ViewandAcknowledgment/ViewAttachment.aspx?Attachment_id=103347">https://www.cas.mhra.gov.uk/ViewandAcknowledgment/ViewAttachment.aspx?Attachment_id=103347</a>
<b>Somatropin (Genotropin) Products</b>	Pfizer are out of stock of 0.4mg, 1.4mg, 1.6mg, 1.8mg and 2mg MiniQuick devices until August 2020.  Limited supplies of 0.2mg and 0.8mg MiniQuick devices remain until resupply in August 2020.  Genotropin 5.3mg cartridges are out of stock until the end of June 2020.  All other Genotropin devices remain available.	For patients who are required to switch their device as a result of this issue, Pfizer will provide device training through your homecare provider at no cost to the Trust. If this is required, inform the homecare company of a change to prescription and the request for patient training. Alternatively, contact <a href="mailto:endocrinecare@pfizer.com">endocrinecare@pfizer.com</a> for additional support.  <i>Where the patients usual device is not available in Primary Care and they usually receive their supply via FP10 from their community pharmacy, <b>advice and guidance should be sought from their specialist</b> for alternative devices to be identified during the shortage period.</i>  See netFormulary link below for further details: <a href="https://www.cambridgeshireandpeterboroughccg.nhs.uk/EasySiteWeb/GatewayLink.aspx?allid=20592&amp;UNLID=3441481402020325123532">https://www.cambridgeshireandpeterboroughccg.nhs.uk/EasySiteWeb/GatewayLink.aspx?allid=20592&amp;UNLID=3441481402020325123532</a>
<b>Vensir XL p/r capsules (75mg, 150mg and 225mg)</b>	Morningside Healthcare are experiencing a disruption in supply of their Vensir XL (Venlafaxine prolonged release capsules) in strengths of 75mg, 150mg and 225mg.	We would recommend that until this shortage has resolved that venlafaxine formulations should be prescribed generically.  Vensir XL stock available should be reserved for those patients who require this specific brand.  Morningside have advised that stock should be available in wholesalers w/c 20 <sup>th</sup> April 2020.

**For any queries about the information contained within this document or to provide feedback, please contact the CCG formulary team by using the netFormulary FEEDBACK tab, available at: [www.cambridgeshireandpeterboroughformulary.nhs.uk](http://www.cambridgeshireandpeterboroughformulary.nhs.uk)**