



Brighton and Hove Clinical Commissioning Group
 High Weald Lewes Havens Clinical Commissioning Group
 Brighton and Sussex University Hospitals NHS Trust

JOINT FORMULARY




CHAPTER 4 - CENTRAL NERVOUS SYSTEM

[Formulary home page](#)

Non-Specialist Drugs	Specialist Initiation WITHOUT Shared Care Guidelines	Specialist Initiation WITH Shared Care Guidelines	Specialist ONLY Drugs
Suitable for <u>non-specialist</u> initiation.	For specialist initiation or recommendation only and specific on going monitoring (if required) but can then be prescribed by a GP <u>without</u> a shared care guideline.	For specialist initiation only and specific on going monitoring but can then be prescribed by GP <u>with</u> a shared care guideline.	For initiation and continuation (including monitoring) by a <u>specialist only</u> .
4.1	Hypnotics and anxiolytics		
4.2	Drugs used in psychoses and related disorders		
4.3	Antidepressant drugs		
4.4	Central nervous system stimulants and drugs used for ADHD		
4.5	Drugs used in the treatment of obesity		
4.6	Drugs used in nausea and vertigo		
4.7	Analgesics		
4.8	Antiepileptics		
4.9	Drugs used in parkinsonism and related disorders		
4.10	Drugs used in substance dependence		
4.11	Drugs for dementia		
Version Control			
Date of revision	Sections reviewed	Contributors	
01/12	All sections - Initial review	Dr S Glaspole	
03/12	Clinical review	Emma Foreman	
05/15	All sections - APC review	Brighton APC	
05/18	Amendments following the publication of NHSE guidance on conditions for which prescriptions could potentially be restricted	APC working group	
07/18	All sections – APC review	Brighton APC	

Ctrl-f will activate the search window.

 Available to buy Over The Counter. See policy statement for more info.	Non-Specialist Drugs	Specialist Initiation WITHOUT Shared Care Guidelines	Specialist Initiation WITH Shared Care Guidelines	Specialist ONLY Drugs
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4.1 Hypnotics and anxiolytics (back to top) Please see the Brighton benzo support website		
4.1.1 Hypnotics		
Promethazine hydrochloride	Tablets 10mg, 25mg	First line pharmacological treatment for insomnia
Zolpidem	Tablets 5mg,10mg	Preferential first line hypnotic NICE TA 77
Melatonin	Circadin® MR tablets 2mg	Patient Information Leaflet
Zopiclone	Tablets 3.75 mg,7.5 mg	Second line NICE TA 77
Loprazolam	Tablets 1mg	Second line
Temazepam 	Tablets 10 mg, 20 mg Oral solution SF 10 mg in 5 ml	BLUE = Pre-existing Mental Health recommendation only RED = When used as a pre-med
Clomethiazole	Capsules 192mg Elixir 250mg in 5ml (<i>equivalent to 192mg clomethiazole base</i>)	Mental Health recommendation only
Sodium Oxybate 	Oral solution 500mg in 1 ml	BLUE = Treatment of narcolepsy with cataplexy in adult patients. RED = NHSE commissioned for children. Prescribing should remain in the specialist centre. See link.
Midazolam	Buccolam® Oromucosal solution 2.5mg,5mg,7.5mg,10mg IV Injection 2mg/2 ml, 5mg/5ml, 10mg/5ml, 50mg/10ml Injection for infusion 50mg/50ml, 100mg/50ml	
Zaleplon	Sonata® tablets 5mg, 10mg	Sonata® tablets discontinued 2015 NICE TA 77
4.1.2 Anxiolytics Please refer to NICE clinical guideline 113: Generalised anxiety disorder and panic disorder (with or without agoraphobia) in adults		
Diazepam	Tablets 2 mg,5 mg, 10 mg Oral Solution 2 mg in 5 ml Oral Solution 5 mg in 5 ml Injection (Diazemuls®) 10mg/2 ml	Also used as 1 st line for alcohol detoxification - inpatient use only. Oral solution for patients with swallowing difficulties.
Clonazepam	Tablets 500mcg, 2mg	
Pregabalin 	Capsules 25mg, 50mg, 75mg, 100mg, 150mg, 200mg, 225mg, 300mg Oral solution 20mg/ml	To be prescribed generically Twice daily dosing is preferred to three times a day since more cost effective. 3 rd line for GAD. Oral solution for patients with swallowing difficulties. Pregabalin Prescribing Guideline
Propranolol	Tablets 10 mg, 40 mg	
Oxazepam	Tablets 10mg,15mg	Occasionally used as a pre-med
Buspirone	Tablets 5mg, 10mg	
Chlordiazepoxide	Capsule 5mg, 10mg	Also used as 1 st line - alcohol detoxification for inpatient use only
Escitalopram	Tablets 5mg, 10mg, 20mg Oral drops 10mg/ml, 20mg/ml	For general anxiety disorder. MHRA Drug Safety Update
Sertraline	Tablets 50mg,100mg	1 st line for GAD (off label use).
Lorazepam	Tablets 1mg 2.5mg Injection (IM) 4mg / ml	For severe short term agitation For rapid tranquilisation

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4.1.3 Barbiturates

1. Intermediate-acting barbiturates no longer have a place in therapy, except for those already taking barbiturates for the management of severe intractable insomnia.
2. Phenobarbital is occasionally used in epilepsy; and as a sedative agent under specialist use only.
3. Thiopental is used in anaesthesia.

Phenobarbitone	Injection, phenobarbital sodium 15mg in 1ml,30mg in 1ml,60mg in 1ml,200mg in 1ml	Used under specialist neurology/ palliative care guidance only
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4.2 Drugs used in psychoses and related disorders [\(back to top\)](#)

4.2.1 Antipsychotic drugs

Note: Prescribing should only be commenced after seeking specialist advice, except in circumstances where prescribers feel confident to prescribe e.g. an existing patient suffering a recurrent acute episode previously managed on antipsychotic treatment.

“Typical” antipsychotics

Butyrophenones

Haloperidol	Capsules 500microgram Tablets 1.5mg,5mg,10mg,20mg Oral liquid SF 1mg/ml,2 mg/ml Injection 5 mg in 1 ml	
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Phenothiazines

Chlorpromazine	Tablets 25mg,50mg, 100mg Oral solution 25mg in 5ml, 100mg in 5ml	
Trifluoperazine	Tablets 1mg,5mg Oral solution 5mg in 5 ml Syrup 1mg in 5ml	
Levomepromazine	Tablets 6mg (unlicensed), 25mg	Use as an anti-emetic. 25mg tabs can be halved and quartered.
Benperidol	Tablets 250micrograms	
Flupentixol	Tablets 3mg	
Zuclopenthixol	Tablets 10mg, 25mg	
Promazine	Tablets 25mg, 50mg	

Substituted benzamide

Sulpiride	Tablets 200mg,400mg SF Oral solution 200mg in 5 ml	
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Other

Thioridazine	Tablets 10mg, 25mg	For paraneoplastic fevers (unlicensed)
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“Atypical” antipsychotics

Amisulpride	Tablets 50mg,100mg,200mg Oral solution 100mg in 1ml	
Aripiprazole	Tablets 5mg,10mg,15mg,30mg Orodispersible tablet 10mg,15mg Oral solution 1mg in 1ml	NICE TA213 , NICE TA292
Lurasidone	Tablets 37mg, 74mg	Initiation by SPFT for schizophrenia only. Info Sheet
Clozapine	Tablets 25mg,100mg	All patients must be registered with the manufacturer’s’ clozapine monitoring service.
Olanzapine	Tablets 2.5mg, 5mg, 7.5mg, 10mg, 15mg, 20mg Orodispersible tablet 5mg, 10mg, 15mg, 20mg	Orodispersible tablets for patients with swallowing difficulties or if compliance issues and administered by a carer.
Quetiapine	Tablets 25mg, 100mg, 150mg, 200mg, 300mg Mintreleq® XL Tablets 50mg, 150mg, 200mg, 300mg, 400mg	Immediate release can be used once daily. SPFT information leaflet switching from MR to IR

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“Atypical” antipsychotics continued		
Risperidone	Tablets 500micrograms, 1mg, 2mg, 3mg, 4mg, 6mg Orodispersible tablet 0.5mg, 1mg, 2mg, 3mg, 4mg Liquid 1mg in 1ml	Green = BPSD only prescribe 6 week courses at a time BLUE= all other indications Orodispersible tablets for patients with swallowing difficulties or if compliance issues and administered by a carer.
4.2.2 Antipsychotic depot injections		
Flupentixol decanoate (Depixol®)	Injection 20 mg / ml - 20mg in 1ml, 40mg in 2ml, Injection 100 mg /ml (“Concentrate”) - 50mg in 0.5ml, 100mg in 1ml, Injection 200 mg / ml (“Low-volume”) - 200mg in 1ml. Diluent = Coconut oil	Mental Health recommendation only BLUE = BH CCG RED = HWLH CCG
Fluphenazine decanoate (Modecate®)	Injection 25 mg / ml – 12.5 mg in 0.5 ml, 25 mg in 1 ml, 50 mg in 2 ml Injection 100 mg / ml (“Concentrate”) – 50 mg in 0.5 ml, 100 mg in 1 ml. Diluent = Sesame oil	Mental Health recommendation only BLUE = BH CCG RED = HWLH CCG
Haloperidol (Haldol®)	Injection 50 mg in 1 ml Injection 100 mg in 1 ml. Diluent = Sesame oil	Mental Health recommendation only BLUE = BH CCG RED = HWLH CCG
Risperidone (Risperdal® Consta)	Prolonged release injection 25mg, 37.5mg, 50mg	Mental Health recommendation only BLUE = BH CCG RED = HWLH CCG
Zuclopenthixol decanoate (Clopixol®)	Injection 200 mg in 1 ml Injection 500 mg in 1 ml (“Concentrate”). Diluent = Coconut oil	Mental Health recommendation only BLUE = BH CCG RED = HWLH CCG
Paliperidone palmitate (Xeplion® - monthly) (TREVICTA® - 3 monthly)	Injection 50mg, 75mg, 100mg, 150mg Prolonged release injection 175mg, 263mg, 350mg, 525mg	Mental Health recommendation only BLUE = BH CCG RED = HWLH CCG
Aripiprazole (Abilify Maintena®)	Injection 400mg vial, powder for reconstitution, (with solvent)	Mental Health recommendation only BLUE = BH CCG RED = HWLH CCG
Olanzapine embonate (ZypAdhera®)	Injection 210mg, 300mg, 405mg vial, powder for reconstitution, (all with diluent)	SPFT supply only. (Pt to be observed for at least 3 hours post injection.)
4.2.3 Antimanic drugs		
Carbamazepine	Tablets 100mg, 200mg, 400mg Tegretol® MR tablets 200mg, 400mg Chewable tablets 100mg, 200mg Oral suspension SF 100mg/5ml Suppository 125mg, 250mg	
Lamotrigine	Tablets 25mg, 50mg, 100mg, 200mg Dispersible tablets 2mg, 5mg, 25mg, 100mg	Prescribe generically. Mental Health recommendation only. Dispersible tablets for patients with swallowing difficulties or if compliance issues and administered by a carer.
Lithium carbonate	(Priadel®) M/R tablets 200mg, (Priadel®) M/R tablets 400mg	SPFT SCG
Lithium citrate	(Priadel®) SF syrup 520mg (equiv to 5.4 mmol Li+) in 5ml (5ml ≡ 200mg lithium carbonate MR tablets)	SPFT SCG




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4.2.3 Antimanic drugs continued		
Sodium valproate	(Epilim®) tablets E/C 200mg, 500mg (Epilim Chrono®) tablets 300mg, 500mg (Epilim®) liquid 200mg/5ml (Epilim®) syrup 200mg/5ml (Epilim®) tablets crushable 100mg	MHRA safety update
Valproic acid as semi-sodium valproate	(Depakote®) tablets E/C 250mg, 500mg	MHRA safety update
Asenapine	Tablets 5mg, 10mg	SPFT only

4.3 Antidepressant drugs (back to top)		
SPfT Guidance on the use of Antidepressants for the Treatment of Unipolar Depression and Anxiety Spectrum Disorders in adults		
4.3.1 Tricyclic and related antidepressant drugs		
Amitriptyline	Tablets 10mg, 25mg, 50mg Oral solution 25mg in 5ml, 50mg in 5ml	Oral solution for patients with swallowing difficulties.
Imipramine	Tablets 10mg, 25mg Oral Solution 25mg/5ml	Oral solution for patients with swallowing difficulties.
Lofepramine	Tablets 70mg Oral suspension 70mg in 5ml	Oral solutions for patients with swallowing difficulties.
Nortriptyline	Tablets 10mg, 25mg	
Clomipramine	Capsule 10mg, 25mg, 50mg	Obsessive Compulsive Disorder only
Trazodone	Capsules 50mg, 100 mg Tablets 150mg Liquid SF 50mg in 5 ml	Liquid for patients with swallowing difficulties.
4.3.2 Monoamine-oxidase inhibitors		
Moclobemide	Tablets 150mg, 300mg	Mental Health recommendation only
Phenelzine	Tablets 15mg	Mental Health recommendation only. GP Info Sheet
4.3.3 Selective serotonin re-uptake inhibitors (SSRIs)		
Sertraline	Tablets 50mg, 100mg	
Citalopram	Tablets 10 mg, 20 mg, 40 mg Oral drops SF (as HCl) 40 mg/1ml 8 mg (4 drops) may be considered equivalent to 10 mg tablet	Some important drug interactions. Please see SPC . MHRA Drug Safety Update
Fluoxetine	Capsules 20 mg Liquid 20mg in 5ml	Liquid for patients with swallowing difficulties.
Escitalopram	Tablets 5mg, 10mg, 20mg Oral drops 10mg/ml, 20mg/ml	MHRA Drug Safety Update






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4.3.4 Other antidepressant drugs		
Mirtazapine	Tablets 15mg, 30mg, 45mg Orodispersible tablets 15mg,30mg,45mg	
Venlafaxine	Tablets 37.5mg, 75mg M/R capsules 75mg, 150mg	IR tablets prescribed BD are more cost effective than XL products. Vensir XL capsules are the most cost effective XL product in primary care. In order to achieve a 225mg XL dose, please prescribe 1 x 150mg and 1 x 75mg Vensir XL capsules as this is much more cost effective than any 225mg tablet or capsule.
Duloxetine	Capsules 30mg, 60mg	Depalta is currently the locally preferred brand.
Flupentixol	Tablets 500micrograms, 1mg	
Vortioxetine	Tablets 5mg, 10mg, 20mg	Third line. As per NICE TA367
Paroxetine	Tablets 10mg, 20mg, 30mg	
Agomelatine	Tablets 25mg	Initiating specialist to provide supplies

4.4 Central nervous system stimulants and drugs used for ADHD (back to top)		
Atomoxetine	Capsules 10mg, 18mg, 25mg, 40mg, 60mg, 80mg	NICE TA 98 Info Sheet
Dexamfetamine Sulphate 	Tablets 5mg	NICE TA 98 Info Sheet
Methylphenidate 	Tablets 5mg, 10mg, 20mg Tablets M/R (Xaggitin XL [®]) 18mg, 27mg, 36mg, 54mg Tablets M/R (Matoride XL [®]) 18mg, 36mg, 54mg Tablets M/R (Xenidate XL [®]) 18mg, 36mg Tablets M/R (Concerta [®] XL) 18mg, 27mg, 36mg Capsules M/R (Equasym XL [®]) 10mg, 20mg, 30mg Capsules M/R (Medikinet XL [®]) 5mg, 10mg, 20mg, 30mg, 40mg	NICE TA 98 Info Sheet Xaggitin XL and Matoride XL are currently the most cost effective brands. Prescribe MR preparations by brand name.
Lisdexamfetamine 	Capsules 30mg, 50mg, 70mg	Info Sheet
Guanfacine	Tablets M/R 1mg, 2mg,3mg,4mg	Info Sheet
Modafinil	Tablets 100mg, 200mg	For narcolepsy MHRA Drug Safety Update RED for all other indications.
Pitolisant	Tablets 4.5mg, 18mg	

4.5 Drugs used in the treatment of obesity (back to top)		
4.5.1 Anti-obesity drugs acting on the gastro-intestinal tract		
Orlistat	Capsules 120mg	NICE PH guidance NICE CG 189
4.5.2 Centrally acting appetite suppressants - not recommended		

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4.6 Drugs used in nausea and vertigo (back to top)			
Antihistamines			
Cinnarazine		Tablets 15mg	
Cyclizine	* 	Tablets 50mg* Injection 50mg in 1ml	Injection - B&H Please refer to the Palliative Care folder
Promethazine hydrochloride	* 	Tablets 10mg*, 25mg* Elixir 5mg/5ml* Injection 25mg/ml	
Phenothiazines and related drugs			
Prochlorperazine	* 	Tablets 5mg Syrup 5mg in 5ml Intramuscular injection 12.5mg in 1ml Buccal tablets 3mg*	
Domperidone and Metoclopramide			
Metoclopramide		Tablets 10mg Syrup 5mg in 5ml Injection 10mg in 2ml	Syrup for patients with swallowing difficulties. MHRA Safety Info Injection - B&H Please refer to the Palliative Care folder
Domperidone		Tablets 10mg Suspension 5mg in 5ml	Suspension for patients with swallowing difficulties. MHRA Safety Info
5HT3 antagonists			
Ondansetron		Tablets 4mg 4mg/5ml oral solution sugar free Injection 4mg in 2ml, 8mg in 4ml	For CINV and PONV only.
Palonosetron		Capsules 500mcg Injection 250micrograms in 5ml	For CINV only
Palonosetron with netupitant		Capsules 300mg / 0.5mg	For CINV only
Hyoscine hydrobromide	* 	Kwells® 'melt in the mouth' tablets 300micrograms* Joy-Rides® chewable tablets 150micrograms* Scopaderm® TTS Patch 1mg/ 72hrs	
Drugs used for hypersalivation			
Pirenzepine		Tablets 50mg	Named patient Unlicensed. Mental health prescribing only for clozapine related hypersalivation
Sublingual atropine eye drops		Minims atropine eye drops 1%	Off-label use. For hypersalivation states only after specialist advice.
Glycopyrronium		Tablets 1mg, 2mg 320mcg / ml oral solution (equivalent 400mcg glycopyrronium bromide)	Tablets off-label use. For use in hypersalivation where other anti-muscarinic treatments have failed or patient intolerant due to side effects. Liquid (Sialanar) is currently more cost effective than the 1mg tablets.
Xeomin (botulinum neurotoxin type A)		Vial 100-unit powder for solution for injection	As per NICE TA 605

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Other Drugs used in Nausea		
Haloperidol	Injection 5 mg in 1ml	B&H primary care please refer to the Palliative Care folder
Levomepromazine	Injection 25mg in 1ml	B&H primary care please refer to the Palliative Care folder
Lorazepam	Tablets 1mg and 2.5mg	For anticipatory nausea and vomiting
Other drugs for Ménière's disease		
Betahistine	Tablets 8mg, 16mg	

4.7 Analgesics ([back to top](#))



Refer to: Chapter 10 for Non-steroidal anti-inflammatory drugs. Other useful sources of information for this class are: [Palliative care Network guidelines](#) and [BSUH guidelines \(section 14\)](#)

For BH, please see the [BHCCG Palliative Care website page](#) for further information.

Non-neuropathic pain: [Chronic Non-malignant Pain Prescribing Guidelines](#)





Patient friendly website: [Pain Toolkit](#)

4.7.1 Non-opioid analgesics

Paracetamol	 Tablets 500mg* Dispersible tablets 500mg* Oral Suspension (SF) 120mg/5ml*, 250mg/5ml* Suppository 60mg*, 125mg*, 250mg*, 500mg* Oral Suspension 500mg/5ml (Unlicensed) Intravenous infusion 10mg/ml	Dispersible tablets contain high levels of sodium. Oral suspension for patients with swallowing difficulties. Suppositories – 2 nd line option IV - Restricted to 48hr treatment episodes with review thereafter
Nefopam	Tablets 30mg	No longer recommended for use in substance misusers
Co-codamol (Paracetamol and codeine)	 Tablets 8/500* Tablets 30/500 Effervescent tablets 8/500* Effervescent tablets 30/500	Current most cost effective 30/500 product in primary care is ZAPAIN® Caplets . Effervescent tablets contain high levels of sodium.
Co-dydramol 10/500	Tablets 10/500	MHRA Drug Safety Update Prescribe by strength to minimise risk of medication error. Other strengths are non-formulary.






4.7.2 Opioid analgesics

[Opioids Aware website](#) (by Faculty of Pain Medicine, Royal College of Anaesthetists)

Alfentanil	 Injection, 500mcg/ml, 2ml /10ml amps Injection 5mg/ml 1ml amp (high strength)	BLUE = when used under palliative care advice RED = all other uses
Buprenorphine (7 day patch)	 Patches 5mcg/hr, 10mcg/hr, 20mcg/hr	CQC guidance Bunov® is the preferred brand
Buprenorphine (96 hr patch)	 Patches 35mcg/hr, 52.5mcg/hr, 70 micrograms/hour for 96 hours	CQC guidance Bupeaze® is the preferred brand
Codeine phosphate	Tablets 15mg, 30mg, 60mg Oral solution 25mg in 5ml Injection 60mg in 1ml 	

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4.7.2 Opioid analgesics continued

<p>Morphine sulphate</p> <p> except for oral solution 10mg in 5ml</p>	<p>4 hourly dosing Tablets 10mg, 20mg, 50mg Oral solution 10mg in 5ml, 100mg in 5ml Injection 10mg in 1ml, 15mg in 1ml, 20mg in 1ml, 30mg in 1ml</p> <p>12 hourly dosing Zomorph[®] MR capsules 10mg, 30mg, 60mg, 100mg, 200mg</p> <p>MST[®] MR tablets 5mg, 15mg MST[®] Suspension 20mg/sachet, 30mg/sachet, 60mg/sachet, 100mg/sachet, 200mg/sachet</p>	<p>Injection – B&H Please refer to the Palliative Care folder</p> <p>Zomorph[®] capsules are the preferred brand. For adults with swallowing difficulties: open Zomorph[®] capsules, mix contents with semi-solid food (puree, jam, yoghurt). Gastric / gastroscopy tubes (diameter > 16 F.G. with an open distal end or lateral pores): open Zomorph[®] capsules, pour contents down tube. Rinse tube with 30ml - 50ml water. MST[®] suspension sachets are only to be used in paediatrics or patients with a feeding tube.</p>
<p>Diamorphine hydrochloride </p>	<p>Injection 5mg, 10mg, 30mg, 100mg, 500mg</p>	<p>B&H Please refer to the Palliative Care folder</p>
<p>Dihydrocodeine</p>	<p>Tablets 30mg</p>	
<p>Fentanyl </p>	<p>Fentanyl patches 12mcg/hr, 25mcg/hr, 50mcg/hr, 75mcg/hr, 100mcg/hr (duration of action 72hrs)</p> <p>Abstral[®] sublingual tablets 100mcg, 200mcg, 300mcg, 400mcg, 600mcg, 800mcg</p>	<p>CQC guidance recommends prescribing by brand. Locally preferred brand is Matrifen[®]</p> <p>Use under specialist palliative care advice only</p>
<p>Tramadol </p>	<p>Capsules 50mg Capsules M/R 50mg, 100mg, 150mg, 200mg Tablets M/R 100mg, 150mg, 200mg</p>	<p>Marol[®] MR is the most cost effective preparation in primary care. BNE – Reclassification to a Class C schedule 3 CD (CD No Register POM)</p>
<p>Oxycodone </p>	<p>4 hourly dosing SHORTEC[®] Capsules 5mg, 10mg, 20mg Oral solution 5mg in 5ml, Oral solution 50mg in 5ml (Concentrated) Injection 10mg/ml, 50mg/ml (or via syringe driver) OXYNORM[®] Capsules 5mg, 10mg, 20mg Oral solution 5mg in 5ml, Oral solution 50mg in 5ml (Concentrated) Injection 10mg/ml, 50mg/ml (or via syringe driver)</p> <p>12 hourly dosing LONGTEC[®] M/R tablet 5mg, 10mg, 20mg, 40mg, 80mg OXYCONTIN[®] MR tablet 5mg, 10mg, 15mg, 20mg, 30mg, 40mg, 60mg, 80mg, 120mg</p>	<p>SHORTEC[®] is an immediate release preparation and is more cost effective in many areas</p> <p>OXYNORM[®] is an immediate release preparation</p> <p>LONGTEC[®] is a slow release preparation and is more cost effective in many areas OXYCONTIN[®] is a slow release preparation</p>

OXYCODONE WARNING

MULTIPLE PRESCRIBING ERRORS HAVE OCCURED INVOLVING OXCODONE.

PLEASE BE AWARE OF THE DIFFERENT RELEASE CHARACTERISTICS




SHORTEC[®]/OXYNORM[®] PRODUCTS ARE IMMEDIATE RELEASE PREPARATIONS & ARE GIVEN EVERY 4 HOURS

LONGTEC[®]/OXYCONTIN[®] PRODUCTS ARE SLOW RELEASE PREPARATIONS & ARE GIVEN EVERY 12 HOURS


 Available to buy Over The Counter. See policy statement for more info.	<p style="text-align: center;">Non-Specialist Drugs</p>	<p style="text-align: center;">Specialist Initiation WITHOUT Shared Care Guidelines</p>	<p style="text-align: center;">Specialist Initiation WITH Shared Care Guidelines</p>	<p style="text-align: center;">Specialist ONLY Drugs</p>
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4.7.3 Neuropathic pain: [Chronic Non-malignant Pain Prescribing Guidelines](#)

Step 1 is regular paracetamol which patient is to continue as they move through steps 2 and 3

Amitriptyline	Tablets 10mg, 25mg, 50mg	Step 2 for neuropathic pain
Duloxetine	Capsules G/R 30mg, 60mg	Step 2 for neuropathic pain except for diabetic neuropathy when it is 1 st line. See Painful Diabetic Neuropathy Guidelines Depalta is currently the locally preferred brand.
Imipramine	Tablets 10mg, 25mg	Step 2 if amitriptyline gives pain relief but cannot tolerate side effects. Unlicensed for neuropathic pain
Nortriptyline	Tablets 10mg, 25mg	Step 2 if neither amitriptyline or imipramine can be tolerated. Unlicensed for neuropathic pain
Gabapentin 	Capsules 100mg, 300mg, 400mg Tablets 600mg Oral solution SF 50mg/ml	Step 3 for neuropathic pain 800mg doses should be prescribed as 2 x 400mg as cost effective. Solution for use in pts who cannot open gabapentin capsules or have swallowing difficulties. Pts should be reviewed if liquid is no longer needed and switched back to capsules or tablets if appropriate.
Pregabalin 	Capsules 25mg, 50mg, 75mg, 100mg, 200mg, 300mg Oral solution 20mg/ml	To be prescribed generically Step 3 for neuropathic pain only if patient successfully achieves pain relief with gabapentin but cannot tolerate side effects. Solution for use in pts who cannot open pregabalin capsules or have swallowing difficulties. Pts should be reviewed if liquid is no longer needed and switched back to capsules if appropriate. Pregabalin Prescribing Guideline
Tramadol 	Capsules 50mg Capsules M/R 50mg, 100mg, 150mg, 200mg Tablets M/R 100mg, 150mg, 200mg	Step 4 for neuropathic pain only where patient is waiting for specialist assessment for a maximum of 4 weeks. Marol[®] MR is the most cost effective preparation in primary care. BNF June 2014 – Reclassification to a Class C schedule 3 CD (CD No Register POM)
Carbamazepine	Tablets 100mg, 200mg, 400mg Oral suspension SF 100mg/5ml	Used for trigeminal neuralgia

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4.7.4 Antimigraine drugs		
4.7.4.1 Treatment of acute migraine		
Analgesics refer to: Section 4.7.1		
Aspirin + metoclopramide (MigraMax [®])	Oral powder containing aspirin 900mg plus metoclopramide 10mg	MHRA Safety Info
Paracetamol + metoclopramide (Paramax [®])	Sachets containing paracetamol 500g plus metoclopramide 5mg	MHRA Safety Info
5HT1 agonists		
Sumatriptan * 	Tablets 50mg*, 100mg Injection 6mg/0.5ml syringe Nasal spray 10mg/0.1ml, 20mg/0.1ml	Sumatriptan is currently the most cost effective triptan.
Rizatriptan	Tablets 5mg, 10mg Orodispersible tablets 10mg	
Zolmitriptan	Tablets 2.5mg Nasal spray 5mg/0.1ml actuation Orodispersible tablets 2.5mg, 5mg	Orodispersible 2 x 2.5mg is the most cost effective option.
Antiemetics refer to: Section 4.6 for antiemetic preparations		
4.7.4.2 Prophylaxis of migraine NICE Guidance		
Propranolol	Tablets 10mg, 40mg, 80mg, 160mg	See chapter 2.4
Topiramate	Tablets 25mg, 50mg, 100mg	
Amitriptyline	Tablets 10mg, 25mg, 50mg	
Pizotifen	Tablets 500microgram, 1.5mg	
Flunarizine	Capsules 5mg	Unlicensed special
Botulinum toxin type A Botox [®]	Injection, 50 units, 100 units, 200 units	As approved by NICE TA 260

4.8 Antiepileptics (back to top)		
4.8.1 Control of epilepsy		
MHRA Drug Safety Update on switching between different manufacturers' products		
Acetazolamide		See Chapter 11.6
Carbamazepine	Tablets 100mg, 200mg, 400mg Tegretol [®] MR tablets 200mg, 400mg Chewable tablets 100mg, 200mg Oral suspension SF 100mg/5ml Suppository 125mg, 250mg	
Clobazam	Tablets 10mg	
Clonazepam	Tablets 500microgram, 2mg Injection see 4.8.2	
Eslicarbazepine	Tablets 800mg	Use as per NICE CG 137
Ethosuximide	Capsules 250mg Oral Solution 250mg/5mL	
Gabapentin 	Capsules 100mg, 300mg, 400mg. Tablets 600mg, 800mg	
Lacosamide	Tablets 50mg, 100mg, 150mg, 200mg IV infusion 10mg/mL 200mg vial	Use as per NICE CG 137
Lamotrigine	Tablets 25mg, 50mg, 100mg, 200mg Dispersible tablets 2mg, 5mg, 25mg, 100mg	

	Available to buy Over The Counter. See policy statement for more info.	Non-Specialist Drugs	Specialist Initiation WITHOUT Shared Care Guidelines	Specialist Initiation WITH Shared Care Guidelines	Specialist ONLY Drugs
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4.8.1 Control of epilepsy continued		
Levetiracetam	Tablets 250mg, 500mg, 750mg, 1g Oral solution SF 100mg/mL IV infusion 100mg/mL 5mL vial	Use as per NICE CG 137 Generic formulations of levetiracetam are cost effective and deemed safe to prescribe by MHRA
Perampanel	Tablets 2mg, 4mg, 6mg, 8mg, 10mg, 12mg	On recommendation of Neurology with Info Sheet
Stiripentol	Tablets 250mg, 500mg Powder 250mg, 500mg	
Oxcarbazepine	Tablets 150mg, 300mg, 600mg Oral suspension SF 300mg/5mL	
Phenytoin sodium	Capsules 25mg, 50mg, 100mg, 300mg Tablets 100mg Chewable tablets 50mg (scored) Suspension 30mg in 5ml	
Piracetam	Tablets 800mg	Use as per NICE
Pregabalin 	Capsules 25mg, 50mg, 75mg, 100mg, 150mg, 200mg, 300mg	To be prescribed generically.
Rufinamide	Tablets 100mg, 200mg, 400mg	Use as per NICE
Sodium valproate	Crushable tablets 100mg e/c tablets 200mg, 500mg SF Liquid 200mg/5mL Epilim Chrono® MR tablet 200mg, 300mg, 500mg Epilim Chronosphere® MR granules 50mg, 100mg, 250mg, 500mg, 750mg, 1g Episenta Capsules, enclosing MR granules 150mg, 300mg Sachets of MR granules 500mg, 1g Intravenous injection 400mg	MHRA safety update Episenta is a more cost effective alternative to Epilim Chronosphere approved for use in children with swallowing difficulties. Children > 20kg and adults with learning disabilities and or swallowing difficulties - where dosing allows.
Topiramate	Tablets 25mg, 50mg, 100mg, 200mg Sprinkle capsules 15mg, 25mg, 50mg	
Vigabatrin	Tablets 500mg SF Powder 500mg	
Zonisamide	Capsules 25mg, 50mg, 100mg	Use as per NICE
Brivaracetam	Tablets 10mg, 25mg, 50mg, 75mg, 100mg Oral solution 10mg/ml Solution for injection 10mg/ml	
4.8.2 Status epilepticus		
Diazepam (epilepsy)	Rectal solution 2.5mg, 5mg, 10mg Intravenous injection (emulsion) (Diazemuls®) 5mg/ml	
Midazolam	Buccolam® Oromucosal solution 2.5mg, 5mg, 7.5mg, 10mg Injection 10mg/2ml	Prescribing Information Injection - B&H Please refer to the Palliative Care folder
Lorazepam	Tablets 1mg, 2.5mg Intravenous injection (into large vein) 4mg/ml	
Phenytoin sodium	Intravenous injection 250mg/5 ml	
Clonazepam	Intravenous injection 1mg/ml or infusion of 1mg	BLUE = when used under specialist palliative care advice RED = All other uses
Paraldehyde	Rectally administered 30ml bottle	For doses in children see BNF-C .

 Available to buy Over The Counter. See policy statement for more info.	Non-Specialist Drugs	Specialist Initiation WITHOUT Shared Care Guidelines	Specialist Initiation WITH Shared Care Guidelines	Specialist ONLY Drugs
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4.9 Drugs used in parkinsonism and related disorders (back to top)		
4.9.1 Dopaminergic drugs used in parkinsonism		
Levodopa plus peripheral decarboxylase inhibitor preparations		
Co-beneldopa	Capsules 62.5mg, 125mg, 250mg Dispersible tablets 62.5mg, 125mg MR capsules 125mg	
Co-careldopa	Tablets 62.5mg, 125mg, 275mg MR tablets 125mg MR tablets 250mg	
Co-careldopa/ entacapone (Sastravi®)	Tablets 50mg/12.5mg/200mg Tablets 75mg/18.75mg/200mg Tablets 100mg/25mg/200mg Tablets 125mg/31.25mg/200mg Tablets 150mg/37.5mg/200mg Tablets 200mg/50mg/200mg	
Dopamine receptor agonists		
Pramipexole	Tablets 88microgram, 180microgram, 700microgram, Prolonged release tablets 260microgram, 520microgram, 1.05mg, 2.1mg, 3.15mg	GREEN = 88 microgram, 180 microgram for restless legs syndrome. BLUE = Parkinson's Pipexus prolonged release tablets are currently the preferred brand of PR tablets
Ropinirole	Tablets 1mg, 2mg, 5mg Starter pack (250microgram, 500microgram and 1mg tablets) Follow-on pack (500micrograms, 1mg and 2mg tablets) MR tablets 2mg, 4mg, 8mg	Also used for restless legs Repinex XL is currently the preferred brand of MR tablets
Rotigotine	Patches 2mg/24 hours, 4mg/24 hours, 6mg/24 hours, 8mg/24 hours 28 day starter pack (7x2mg/24hr, 7x4mg/24hr, 7x6mg/24hr, 7x8mg/24hr)	All Patch formulations
Apomorphine	Injection 30mg in 3ml pen injector 50mg in 10ml pre-filled syringes	
Catechol-O-methyltransferase inhibitors (COMT inhibitors)		
Entacapone	Tablets 200mg	1 st line COMTi
Opicapone	Capsules 50mg	2 nd line COMTi
MAO type B antagonist		
Selegiline	Tablet 5mg, 10mg Syrup 10mg in 5ml Oral lyophilisate 1.25mg	
Rasagiline	Tablets 1mg	
Mixed action		
Amantadine	Capsules 100mg Syrup 50mg in 5ml	Specialist initiation for use in MS as per NICE CG 186

 Available to buy Over The Counter. See policy statement for more info.	Non-Specialist Drugs	Specialist Initiation WITHOUT Shared Care Guidelines	Specialist Initiation WITH Shared Care Guidelines	Specialist ONLY Drugs
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4.9.2 Antimuscarinic drugs used in parkinsonism		
Orphenadrine	Tablets 50mg Oral solution 50mg/5ml	
Procyclidine	Tablet 5mg Syrup 2.5mg/5ml, 5mg/5ml Injection 10mg in 2ml	Kemadrin is the preferred brand of tablets
Trihexyphenidyl	Tablet 2mg, 5mg Syrup 5mg in 5ml	
4.9.3 Drugs used in essential tremor, chorea, tics, and related disorders		
Essential tremor		
Notes:		
1. Propranolol may be useful for tremors, or tremors associated with anxiety or thyrotoxicosis.		
2. Primidone and clonazepam are alternatives.		
Tics etc		
Notes:		
1. Haloperidol may be useful in improving motor tics and symptoms of Gilles de la Tourette syndrome and related choreas.		
2. Sulpiride (section 4.2.1) is also used in Gilles de Tourette syndrome.		
3. Chlorpromazine and haloperidol (section 4.2.1) are used to relieve intractable hiccups.		
Huntington's Chorea		
Tetrabenazine	Tablet 25mg	
Myoclonus		
Piracetam	Tablet 800mg, 1.2g Oral solution 333.3mg/ml	
Amyotrophic Lateral Sclerosis (Motor Neurone Disease)		
Riluzole	Tablet 50mg, Teglutik® 5mg/1ml oral suspension	NICE TA 20 Primary care prescribing under shared care . Crushed tablets are 1st line in patients requiring administration down a feeding tube
Spinal muscular atrophy		
Nusinersen	Vial	NICE TA 588
Torsion dystonias and other involuntary movements		
Botulinum A toxin	Injection 500 unit vial	
Botulinum B toxin	Injection vial 2,500 units/2ml, 5,000 units/1ml, 10,000 units/2ml	

4.10 Drugs used in substance dependence (back to top)		
4.10.1 Alcohol Dependence		
Alcohol dependence: For benzodiazepine use in this area see section 4.1.2		
Disulfiram	Tablet 200mg	
Acamprosate	Tablet e/c 333mg	
Nalmefene	Tablets 18mg (as hydrochloride dehydrate)	Nalmefene is a Public Health England commissioned drug and has been approved for use in the NHS as per NICE TA 325 . Prescribers should refer appropriate patients to their locally commissioned drug and alcohol service, where the assessment of patient suitability, prescribing and monitoring of nalmefene should take place.

 Available to buy Over The Counter. See policy statement for more info.	Non-Specialist Drugs	Specialist Initiation WITHOUT Shared Care Guidelines	Specialist Initiation WITH Shared Care Guidelines	Specialist ONLY Drugs
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Cigarette smoking: FOR NRT GUIDANCE SEE NICE		
Nicorette®	Gum 2mg, 4mg Invisi Patch 10mg, 15mg, 25mg Patch 5mg Inhalator 10mg cartridge Nasal Spray 500 micrograms per spray Quickmist mouthspray, 1 mg/metered dose Microtabs sublingual tablets 2mg	30 and 105 pack sizes 16 hour application (take off at night) packs of 7 Available as starter pack and refill Available as starter pack and refill
NiQuitin CQ®	Patch 7mg,14mg 21mg Minis Lozenge 1.5mg, 4mg	24 hour application. Packs of 7 20 and 60 pack sizes
Bupropion	Tablet MR, F/C 150mg	NICE Also used as a 3rd line treatment for ADHD in adults. GPs should not prescribe for this indication.
Varenicline	Tablets 500 microgram, 1mg	NICE TA 123
4.10.3 Opioid Dependence		
Lofexidine	Tablets 200 microgram	Substance Misuse Service recommendation only
Methadone	Oral Solution 1mg/ml Tablets 5mg Oral Concentrate 10mg/ml, 20mg/ml	Prescribe as Physeptone® in primary care. NICE TA114 See BSUH prescribing guidelines for inpatient prescribing methadone to substance misusers
Naltrexone	Tablets 50mg	On Substance Misuse Service recommendation NICE TA115
Buprenorphine	Sublingual tablets 0.4mg, 2mg, 8mg	On Substance Misuse Service recommendation NICE TA114
Suboxone (buprenorphine/naloxone)	Sublingual tablets 2mg/500 microgram Sublingual tablets 8mg/2mg	On Substance Misuse Service recommendation NICE TA114
Espranor (buprenorphine)	Oral lyophilisate 2mg, 8mg	Drug and alcohol service use only

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4.11 Drugs for dementia ([back to top](#))

HWLH: ONLY under the BLUE coding stated below, prescribers may initiate and titrate anti-dementia drugs in accordance with Golden Ticket care plan

<http://www.highwealdleweshavensccg.nhs.uk/intranet/primary-care/dementia-golden-ticket-pathway/>

Alzheimer's Disease Information Sheet

Donepezil hydrochloride	Tablet 5mg, 10mg	<p>BLUE = for new diagnoses of Alzheimer's disease, Parkinson's disease dementia and dementia with Lewy bodies</p> <p>GREEN = for patients with Alzheimer's disease (NG97), Parkinson's disease dementia (NG71) and dementia with Lewy bodies (NG97) that require a switch from an alternative AChE inhibitor due to intolerance or contraindications.</p>
Galantamine	Tablet 8mg, 12mg Capsules M/R 8mg, 16mg, 24mg Oral solution 4mg/ml	<p>BLUE = for new diagnoses of Alzheimer's disease, Parkinson's disease dementia and dementia with Lewy bodies</p> <p>GREEN = for patients with Alzheimer's disease (NG97) and Parkinson's disease dementia (NG71) that require a switch from an AChE inhibitor due to intolerance or contraindications.</p> <p>GREEN = for mild to moderate dementia with Lewy bodies only if donepezil and rivastigmine not tolerated (NG97)</p> <p>Gatalin XL[®] is currently the preferred brand.</p>
Rivastigmine	Capsule 1.5mg, 3mg, 4.5mg, 6mg Oral solution 2mg/ml Patches 4.6mg in 24 hours, 9.5mg in 24 hours	<p>BLUE = for new diagnoses of Alzheimer's disease, Parkinson's disease dementia and dementia with Lewy bodies</p> <p>GREEN = for patients with Alzheimer's disease (NG97), Parkinson's disease dementia (NG71) and dementia with Lewy bodies (NG97) that require a switch from an alternative AChE inhibitor due to intolerance or contraindications.</p> <p>Alzest[®] is currently the preferred brand of patch</p>
Memantine	Tablets 10mg, 20mg Orodispersible tablets 10mg, 20mg Oral solution 10mg/ml	<p>BLUE = for new diagnoses of Alzheimer's disease, Parkinson's disease dementia and dementia with Lewy bodies</p> <p>GREEN = for patients with Alzheimer's disease (NG97), Parkinson's disease dementia (NG71) and dementia with Lewy bodies (NG97) that require a switch from an AChE inhibitor due to intolerance or contraindications</p> <p>GREEN = for add-on therapy to an AChE inhibitor in patients with Alzheimer's disease (NG97).</p> <p>BLUE = Specialist initiation for use in MS as per NICE CG 186</p> <p>Orodispersible tablets are 1st line for those with swallowing difficulties</p>

4.12 Other NICE approved items

Inotersen (Tegsed [®])	284mg/1.5ml solution for injection pre-filled syringes	Commissioned by NHS England as per NICE HST9
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 Available to buy Over The Counter. See policy statement for more info.	Non-Specialist Drugs	Specialist Initiation WITHOUT Shared Care Guidelines	Specialist Initiation WITH Shared Care Guidelines	Specialist ONLY Drugs
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