

# RISKY BUSINESS – MEDICINES & HEALTHCARE

## Information Resources – keeping up to date

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# Information resources to support clinical practice

- Clinical Info
- BNF
- eMC
- Adult Therapeutics Handbook
- GGC Medicines (Medicines Update)
- GGC guidelines on StaffNet
- IV monographs
- Mental Health: MyPsych
- Paediatrics
- Medicines Complete
- Others...





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Whaddya mean all my facts are wrong?!?

I copied everything straight off the internet!!



# Clinical Info



- Have you seen this on your desktop?
- Links to a huge amount of information
- If you forget everything else I say today, please remember this icon!

# Clinical Info



- Includes links to:
  - ✓ BNF/BNFC
  - ✓ GGC Medicines website
  - ✓ GGC Adult Therapeutics Handbook
  - ✓ Clinical Guideline Directory
  - ✓ IV monographs
  - ✓ Gentamicin, vancomycin and creatinine clearance calculators
  - ✓ Medicine prescription charts (including PECOS codes)
  - ✓ Palliative care resources
  - ✓ Medicines supply problems

# BNF

# BNF

- Standard ref. source for info relating to medicines
- Online access via:
  - ✓ Clinical info
  - ✓ Medicines Complete  
[www.medicinescomplete.com](http://www.medicinescomplete.com)
  - ✓ NICE [www.evidence.nhs.uk](http://www.evidence.nhs.uk)
  - ✓ App
- Online updated monthly
- **Do not** use out of date books!



# BNF

# BNF

- Search for individual drug monographs
- Dashboard includes:
  - ✓ Therapeutic areas, treatment summaries, nurse prescribers' formulary, wound management products
  - ✓ Guidance section: prescribing in children, renal impairment, palliative care and pregnancy
  - ✓ About section: link to 'how to use BNF publications online'

## Clinical Info

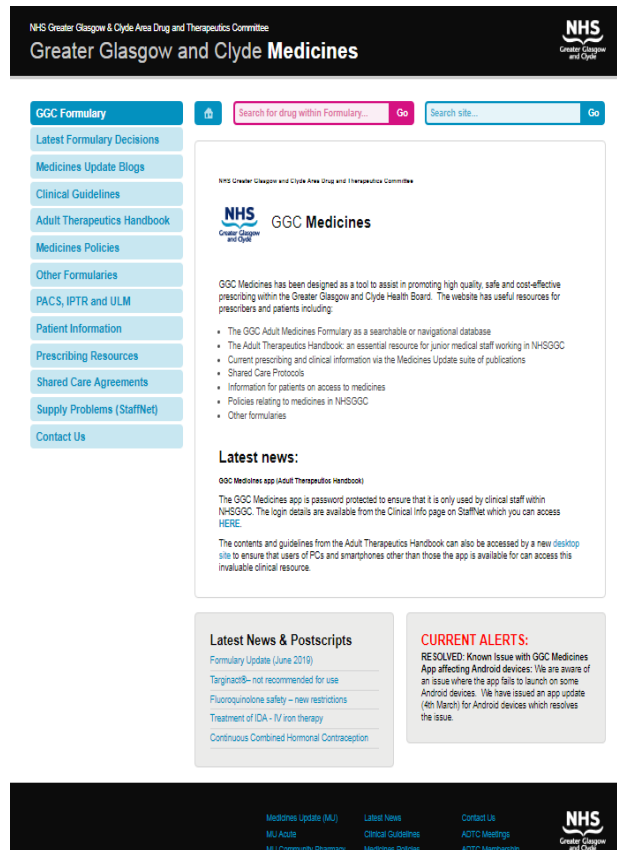


- Summary of Product Characteristics (SPC)
- More detail than BNF:
  - ✓ Method of administration
  - ✓ Pharmacology/pharmacokinetics
- Patient Information Leaflets (PILs)
  - ✓ Online version of the paper copy in medicine box
- Risk materials
  - ✓ E.g. alert cards or prescriber guides for DOACs

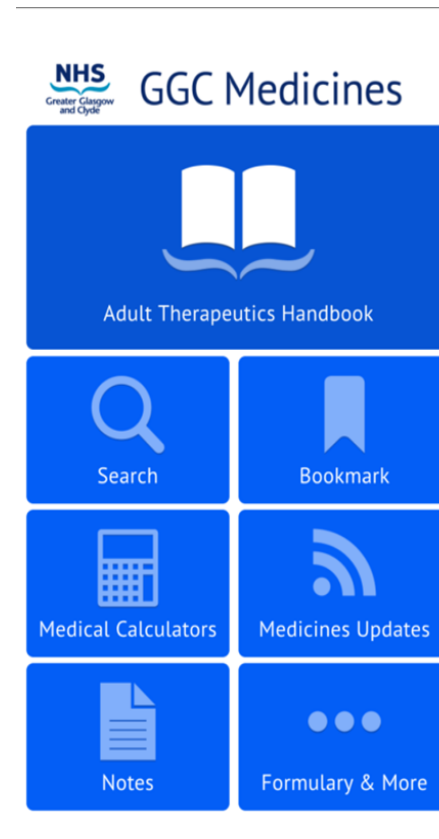
# GGC Medicines

[www.ggcmedicines.org.uk](http://www.ggcmedicines.org.uk)

- Available on desktop and App



The screenshot shows the desktop version of the GGC Medicines website. At the top, there is a navigation bar with the NHS logo and the text 'Greater Glasgow and Clyde Medicines'. Below this is a search bar with the text 'Search for drug within Formulary...' and a 'Go' button. A sidebar on the left contains a list of menu items: 'GGC Formulary', 'Latest Formulary Decisions', 'Medicines Update Blogs', 'Clinical Guidelines', 'Adult Therapeutics Handbook', 'Medicines Policies', 'Other Formularies', 'PACS, IPTR and ULM', 'Patient Information', 'Prescribing Resources', 'Shared Care Agreements', 'Supply Problems (StaffNet)', and 'Contact Us'. The main content area features the NHS logo and the text 'GGC Medicines'. Below this is a paragraph describing the website's purpose: 'GGC Medicines has been designed as a tool to assist in promoting high quality, safe and cost-effective prescribing within the Greater Glasgow and Clyde Health Board. The website has useful resources for prescribers and patients including:'. A bulleted list follows: 'The GGC Adult Medicines Formulary as a searchable or navigational database', 'The Adult Therapeutics Handbook: an essential resource for junior medical staff working in NHSGGC', 'Current prescribing and clinical information via the Medicines Update suite of publications', 'Shared Care Protocols', 'Information for patients on access to medicines', 'Policies relating to medicines in NHSGGC', and 'Other formularies'. Below the list is a 'Latest news:' section with a sub-heading 'GGC Medicines app (Adult Therapeutics Handbook)'. The text states: 'The GGC Medicines app is password protected to ensure that it is only used by clinical staff within NHSGGC. The login details are available from the Clinical Info page on StaffNet which you can access HERE.' A note below says: 'The contents and guidelines from the Adult Therapeutics Handbook can also be accessed by a new desktop site to ensure that users of PCs and smartphones other than those the app is available for can access this invaluable clinical resource.' At the bottom, there are two sections: 'Latest News & Postscripts' with links for 'Formulary Update (June 2019)', 'Targino® - not recommended for use', 'Fluoroquinolone safety - new restrictions', 'Treatment of IDA - IV iron therapy', and 'Continuous Combined Hormonal Contraception'; and 'CURRENT ALERTS:' with a 'RESOLVED' notice about a 'Known Issue with GGC Medicines App affecting Android devices. We are aware of an issue where the app fails to search on some Android devices. We have issued an app update (4th March) for Android devices which resolves the issue.'

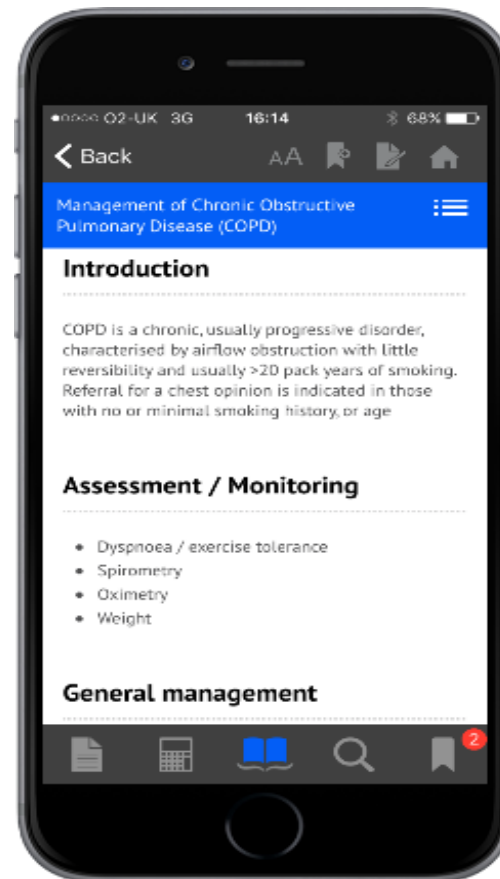
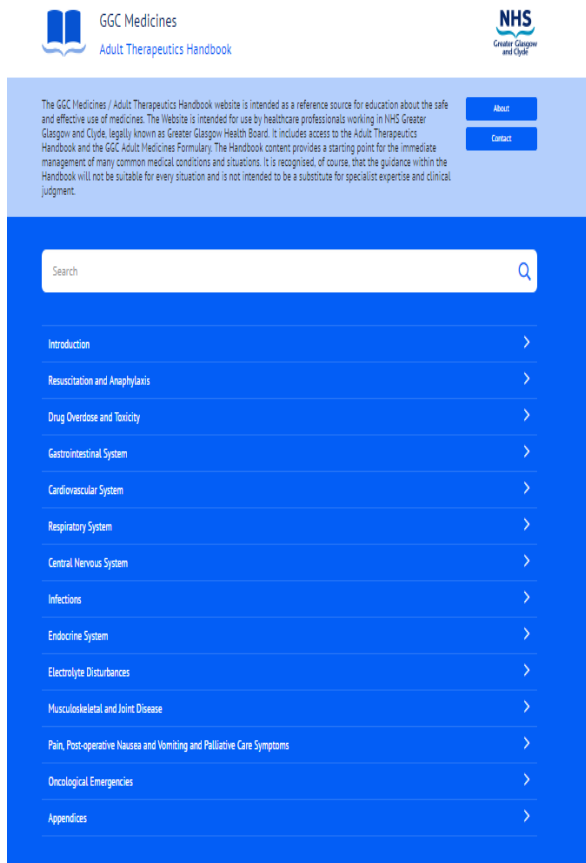


The screenshot shows the mobile app interface for GGC Medicines. At the top, there is the NHS logo and the text 'GGC Medicines'. Below this is a large blue button with a white icon of an open book and the text 'Adult Therapeutics Handbook'. Below this are six smaller blue buttons arranged in a 3x2 grid: 'Search' (with a magnifying glass icon), 'Bookmark' (with a bookmark icon), 'Medical Calculators' (with a calculator icon), 'Medicines Updates' (with a Wi-Fi icon), 'Notes' (with a document icon), and 'Formulary & More' (with three dots icon).

# GGC Adult Therapeutics Handbook

<https://handbook.ggcmedicines.org.uk/>

## □ Available on desktop and App




# GGC Adult Therapeutics Handbook

<https://handbook.ggcmedicines.org.uk/>

- Hosted on GGC Medicines website
- Link to desktop via Clinical Info
- GGC Medicines App from the App Store or Google play (password protected)
- Used at point of care
- Provides practical advice on the management and treatment of a range of acute clinical conditions
- Comments to [Therapeutics.Handbook@ggc.scot.nhs.uk](mailto:Therapeutics.Handbook@ggc.scot.nhs.uk)

- Hosts the **GGC Adult Therapeutics Handbook** in addition to lots of supplementary information including:
  - ✓ Medicines Update blogs
  - ✓ Medicines Update Extra bulletins
  - ✓ GGC Formulary (including non-medicines formularies)
  - ✓ Prescribing resources
  - ✓ Medicines policies

# GGC Medicines Update

- [www.ggcmedicines.org.uk](http://www.ggcmedicines.org.uk)
- Blogs with medicines related messages aimed at healthcare professionals across NHS GGC
- Examples of blogs (~100/yr): safety (alfentanil), preferred brands (Oxypro), cation interactions
- Disseminated via email & Twitter 

- Subscribe 

[Medicines.update@ggc.scot.nhs.uk](mailto:Medicines.update@ggc.scot.nhs.uk)

- Follow [@NHSGGCMeus](https://twitter.com/NHSGGCMeus) 

# GGC guidelines on StaffNet via **Clinical Info**



- Clinical Guideline Directory developed to support implementation of the GGC Clinical Guideline Framework
- Central location for staff to access clinical guidelines developed and approved for use within GGC
- Search directory or filter by classification or area



# IV monographs via Clinical Info Adult & Child



- Core monographs printed on yellow paper
- All wards have a folder
- Also available online via Clinical Info
- Monographs can be accessed via [www.injguide.nhs.uk](http://www.injguide.nhs.uk) (log in details on StaffNet)
- Info on method of admin, dilution, flushing, ADRs/monitoring
- Some specific to GGC e.g. potassium, gentamicin, vancomycin

# Mental Health Services

## MyPsych App



MyPsych

- Guidelines to support safe & effective treatment of individuals with mental health conditions and those prescribed certain psychotropic medications
- Important information on topics such as clozapine, lithium & long acting antipsychotics
- Easy to use format as well as an A to Z list of all guidance
- Available from the App Store or Google play or desktop:  
<https://myspsych.nhsggc.org.uk>
- MHS Clinical Policies & Guidelines: [StaffNet](#) > [Partnerships](#) > [MHP](#) > [MHP Corporate Information](#) > [Policies](#) > Mental Health Service – Policies
- Choice & Medication: [www.choiceandmedication.org/nhs24/](http://www.choiceandmedication.org/nhs24/)

# Paediatrics




- Guidelines on StaffNet (via Clinical Info, filter by classification: Paediatrics)
- BNFC
- Medicines for children.org.uk (PILs for parents/carers)
- IV monographs
- WoS neonatal drug formulary
- NHSGGC paediatric guidelines (also App)

- NHS network
- In addition to BNF:
  - ✓ BNF for Children (BNFC)
  - ✓ Stockley's drug interactions
  - ✓ Martindale
  - ✓ Palliative care formulary
  - ✓ Handbook of drug administration via enteral feeding tubes
  - ✓ Herbal medicines
  - ✓ Kucer's the use of antibiotics

# Others....



- Knowledge Network (Athens password)
- MHRA (subscribe to Drug Safety Update, find SPCs/PILs)
- Guidelines (SIGN, NICE, Cochrane)
- NICE NHS Evidence ([evidence.nhs.uk](http://evidence.nhs.uk))
- SPS: UKMI Q&As (e.g QT prolongation)
- SMC

A close-up photograph of a yellow fire hydrant. A thick, white stream of water is spraying horizontally from the side of the hydrant. The background is dark, making the yellow hydrant and the white water stand out. The text is overlaid on the right side of the image, partially over the water stream.

Getting information off the  
Internet is like taking a  
drink from a fire hydrant.

Mitchell Kapor

# Summary

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- Remember Clinical Info



- Sign up for Medicines Update blog .  
[Medicines.update@ggc.scot.nhs.uk](mailto:Medicines.update@ggc.scot.nhs.uk)  
Follow [@NHSGGCMeds](https://twitter.com/NHSGGCMeds) 

- Don't just Google, use reputable source



# Questions?

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□ Contact:

[Elaine.mcivor@ggc.scot.nhs.uk](mailto:Elaine.mcivor@ggc.scot.nhs.uk)

□ Medicines Information service:

[MedInfo@ggc.scot.nhs.uk](mailto:MedInfo@ggc.scot.nhs.uk)

- ✓ GRI 0141 211 4407 (24407)
- ✓ RAH 0141 314 6819 (06819)
- ✓ Leverndale (MHS) 0141 211 6478 (46478)
- ✓ RHC (paediatrics) 0141 452 4691 (84691)

