Instructions for Use

Document reference	BMv3-DOC-006	**Version**	1.1
Issue date	Not issued yet	**Applies to**	Blippit Meds v3

This tool supports decision making. It does not replace clinical judgement.

Blippit Meds is a fluid stewardship decision support tool. It guides qualified healthcare professionals through the NICE CG174 IV fluid therapy decision tree. The output of this tool informs but does not replace the clinical assessment, judgement, and responsibility of the prescribing clinician. Always apply your clinical training and Trust protocols alongside this tool.

Do not use for patients in the excluded groups listed in Section 4.

The tool applies only to adult inpatients (16 years and over) in routine ward and acute settings. It must not be used for patients in the excluded groups. The app displays these exclusions before every session and requires confirmation that none apply before proceeding.

1. What is Blippit Meds?

Blippit Meds is a web-based fluid stewardship tool for qualified healthcare professionals. It guides you through the NICE CG174 IV fluid therapy decision tree step by step, supporting consistent, guideline-adherent decision making.

The tool asks a series of structured clinical questions and, based on your answers, sets out the fluid type, volume and rate that NICE CG174 indicates for the answers you have given. It also accounts for any IV medicines your patient is receiving, deducting their volumes from the total fluid calculation.

Blippit Meds supports fluid stewardship at your Trust. After each session it records which calculator was used, the fluid and the volume, so your Trust can monitor prescribing patterns over time. No patient identifiers are recorded.

2. Intended users

This tool is intended for use by suitably qualified healthcare professionals involved in the prescribing or review of intravenous fluids in adult inpatient settings. This includes doctors, nurses with IV prescribing authority, and other qualified clinical staff as defined by your Trust.

You should not use this tool unless you:

- Are a qualified healthcare professional with appropriate training in IV fluid management
- Understand the clinical context and the patient in front of you
- Are familiar with your Trust's local IV fluid protocols and formulary

- Are able to apply clinical judgement to the output of this tool

3. What this tool does not do

It is important to understand the limits of Blippit Meds:

- It does not generate a legal prescription. The output must be reviewed and prescribed by an authorised clinician.
- It does not access or store patient records. No patient identifiers are entered or retained.
- It does not account for all clinical variables. Unusual or complex presentations require consultant input.
- It does not replace your Trust's IV fluid protocols. Always follow local guidance where it differs.
- It does not provide diagnostic information. It supports fluid management decisions only.

4. Patient exclusion criteria

Do not use this tool for patients in any of the following groups. The tool will display these exclusions at the start of each session and must not be used if any apply.

Excluded patient group	Reason for exclusion
Under 16 years of age	NICE CG174 applies to adults only. Use paediatric-specific guidance.
Pregnant or breastfeeding	Specialist obstetric fluid management protocols apply.
Severe liver disease or acute liver failure	Fluid management requires specialist hepatology input.
Severe renal disease (including AKI requiring renal replacement therapy)	Fluid balance requires specialist nephrology/renal input.
Diabetes mellitus requiring specialist fluid management	Specific protocols apply. Consult diabetology or endocrinology.
Burns	Burns fluid resuscitation follows specialist Parkland or equivalent formulae.
Requiring inotropic support	Haemodynamically unstable patients require ITU-level assessment.
In ICU or under anaesthesia	Fluid management in these settings requires specialist input.
Traumatic brain injury	ICP management protocols govern fluid decisions. Consult neurosurgery.

5. How to use the tool

5.1 Signing in

Blippit Meds uses a passwordless sign-in method. You do not create an account or set a password.

1 **Go to the app URL provided by your Trust**

Open a browser on any device and navigate to the URL your Trust administrator has shared. It will be in the format app.blippitmeds.com or a Trust-specific URL.

2 **Enter your NHS email address**

Type your NHS email address into the sign-in field and tap Send me a link.

3 **Check your email**

A secure sign-in link will arrive in your inbox within a few minutes. Check your junk or spam folder if it does not arrive. The link expires in 15 minutes and can only be used once.

4 **Tap the link in your email**

Tapping the link opens the app and signs you in automatically. You do not need to enter a password.

> **If your email is not recognised**
>
> Your email address must be on your Trust's approved domain list. If you receive an error saying your email is not approved, contact your Trust administrator.

5.2 Working through the decision tree

Each session follows the same sequence:

1 **Scope confirmation**

Confirm that the patient meets the inclusion criteria (adult inpatient, 16 and over) and that none of the exclusion criteria apply. Tap Continue to proceed.

2 **Clinical pathway questions**

Answer the structured questions about your patient's fluid status. The tool will guide you through the NICE CG174 algorithm based on your answers.

3 **Calculator**

Enter the patient's weight and any relevant clinical values when prompted. The tool calculates the recommended volume and rate.

4 **Daily requirements panel (maintenance only)**

For maintenance fluid prescriptions, the tool displays a Daily requirements panel showing the patient's estimated daily needs for sodium and chloride (approximately 1 mmol/kg/day), potassium (approximately 1 mmol/kg/day), and glucose (50-100 g/day). These values are derived from NICE CG174 Table 3. They are provided as prescribing guidance alongside the fluid volume. You should ensure these requirements are met either from the prescribed fluid, from other intake, or from supplementation as clinically appropriate. If serum potassium is 5.4 mmol/l or above, or is increasing rapidly, the potassium requirement is suppressed and the fluid switches to a potassium-free alternative. If serum potassium is 4.0 mmol/l or below, or is decreasing rapidly, the fluid switches to an extra-potassium alternative. The potassium requirement figure is not suppressed in this case, as it

reflects the standard reference requirement rather than the amount contained in the extra-potassium fluid.

5 **IV medicines panel (if applicable)**

If your patient is receiving IV medicines, open the IV medicines panel and select the relevant drugs and frequencies. Their volumes will be automatically deducted from the total fluid volume.

6 **Review the result**

The prescription strip at the bottom of the screen shows the recommended fluid, volume, and rate. Review this against your clinical assessment before prescribing.

7 **Prescribe**

Use your Trust's standard prescribing system to prescribe the fluid. Blippit Meds does not generate a prescription directly.

> **Changing an earlier answer**
>
> You can tap any step in the breadcrumb trail at the top of the screen to go back and change an answer. You will be asked to confirm before the trail is changed.

5.3 Clinical advisories

Some pathways display a clinical advisory. These contain additional guidance relevant to your patient's situation. Advisories are shown behind a toggle and can be expanded by tapping Show clinical advisory. They do not change the calculated volume but provide context for your clinical decision.

5.4 Fluid Stewardship panel

If your Trust has uploaded retrospective prescribing data, a Fluid Stewardship panel may appear showing how the current recommendation compares to your Trust's historical prescribing patterns. This is for information only and does not affect the calculation.

6. Trial status

If a red banner is displayed at the top of the app reading TRIAL ONLY, your Trust is currently evaluating Blippit Meds under a trial agreement. During the trial period, the tool must not be used to inform prescribing decisions in patient care. The instructions in this document describe the intended use of the released device, which applies once conformity assessment, MHRA registration and local clinical governance approval are complete. They do not authorise use of an evaluation version in patient care.

Once the device has completed conformity assessment, been registered as required, and received local clinical governance approval, a Trust holding a full licence may use it as described in this document. The absence of the TRIAL ONLY banner does not by itself authorise clinical use.

7. Data and privacy

Blippit Meds does not collect or store any patient identifiers. You do not enter a patient name, NHS number, date of birth, or any other patient-identifiable information.

At the end of each session, the following anonymous data is recorded: the calculator type used, the volume range calculated, the fluid name, the number of IV medicines selected, and a timestamp. It contains no patient or clinician identifiers and is not designed to identify an individual patient or clinician.

Your sign-in email address is recorded in an access log visible only to your Trust's administrators. It is retained for 29 days and is then deleted automatically. This enables your Trust to monitor access and identify any unauthorised use.

All data is stored within UK and EU data centres. No data is transferred outside this region. For full details, refer to your Trust's Data Processing Agreement with Get Logged In Ltd.

8. Reporting a problem

If you believe the tool has produced an incorrect or unexpected result, do not proceed with prescribing based on that output. Use your clinical judgement and standard Trust protocols instead.

Report the issue to your Trust administrator immediately. Your Trust administrator will escalate to Get Logged In Ltd at support@blippit.co.uk.

Include in your report: the date and time, the patient scenario (without patient identifiers), the question sequence you followed, and the result the tool displayed.

9. Technical requirements

Blippit Meds is a web application and does not require installation. Blippit Meds is designed to run on supported mobile phones, tablets and desktop computers using the browser versions listed below.

- Supported browsers: Chrome, Safari, Edge (current versions)
- Internet connection: required for sign-in and initial load. Once the app has loaded and you are signed in, it continues to work if your connection drops during a session. However, if you reload or refresh the page while offline, you will be returned to the sign-in screen and will need a connection to sign back in. A connection indicator in the app header shows whether you are currently online.
- No app download or installation required
- No patient-identifiable information is recorded. Clinical values you enter are held only for the duration of your session and are not saved

10. Trust configuration

Blippit Meds v3 is configured for each Trust. The following are set by your Trust and are not fixed by the manufacturer:

- The fluid names used by each calculator
- The IV medicines list, including dose bands, frequency options and infusion volumes
- The maintenance and redistribution weight caps
- The wording of the clinical advisories and calculator information panels

The product is supplied with a starting set of this content, derived from material provided by East Lancashire Hospitals NHS Trust. It is provided so that a Trust begins configuration from a working example rather than a blank system. It is not a manufacturer recommendation, and it has not been reviewed against any other Trust's protocols.

Before Blippit Meds is used in patient care, the Trust must review this content and replace it with its own approved formulary and protocols. Each Trust is responsible for reviewing and approving its local formulary, protocols and configurable clinical content before the product is used in patient care. Get Logged In Ltd is responsible for the calculation logic and the NICE CG174 pathway, for providing a controlled configuration process, and for defining which parameters may be configured and within what limits.

Configuration is carried out through the Blippit Meds admin console by authorised Trust administrators only, and changes must follow the Trust's approved clinical governance and change control process before they reach clinical users. When the configuration changes, clinicians with an active session are prompted to sign out and back in so that the updated content is applied.

11. Manufacturer details

Item	Detail
Manufacturer	Get Logged In Ltd, trading as Blippit
Support contact	support@blippit.co.uk
Website	blippitmeds.com
Current version	The current version of this document is published at blippitmeds.com/help, which is linked from the Help and documentation control in both the clinical app and the admin console. Check there if you are unsure whether the copy you hold is current.
Regulatory status	The manufacturer's classification of Blippit Meds v3 is Class I under the UK Medical Devices Regulations 2002 (as amended). The device is not currently registered with the MHRA and has not been placed on the UK market. It is in controlled evaluation with a partner NHS Trust.
Clinical guideline	© NICE 2024 Intravenous fluid therapy in adults in hospital (CG174). Available from www.nice.org.uk/guidance/cg174 All rights reserved. Subject to Notice of rights. NICE guidance is prepared for the National Health Service in England. All NICE guidance is subject to regular review and may be updated or withdrawn. NICE accepts no responsibility for the use of its content in this product. CG174 was published on 10 December 2013 and last updated on 5 May 2017. The NICE content used in Blippit Meds was accurate at the time this version was issued. Reused under the NICE UK Open Content Licence, www.nice.org.uk/reusing-our-content/nice-uk-open-content-licence

12. Document control

This document is maintained under version control. The current version supersedes all previous versions. A copy is held in the technical file for Blippit Meds v3.

Version	Date	Summary of change
1.0	June 2026	Initial Instructions for Use.
1.1	July 2026	Access log retention corrected from 30 days to 29 days with automatic deletion. Regulatory status updated to record the manufacturer's Class I classification, that the device is not currently registered with the MHRA, and that it has not been placed on the UK market. NICE attribution replaced with the full form required by the NICE UK Open Content Licence, including the CG174 publication and last updated dates and a link to the licence. New Section 10 added, setting out which content is configured by the Trust and where responsibility for its clinical accuracy rests. Section 5.2 step 4 expanded to describe the daily requirements panel and both potassium branches. Section 9 corrected to describe offline behaviour

These instructions form part of the technical file for Blippit Meds v3, reference BMv3-DOC-006. A copy of this document is available within the app and from your Trust administrator on request. Get Logged In Ltd, trading as Blippit.