



BEDFORDSHIRE, LUTON AND MILTON KEYNES AREA PRESCRIBING COMMITTEE (APC)

NHS East of England Protocols for the Management of Hypertension

Ratified by BLMK APC: February 2025

Review date: February 2027

The following organisations contribute to and participate in the BLMK APC – Bedfordshire Luton and Milton Keynes Integrated Care Board; Bedfordshire Hospitals NHS Foundation Trust; Cambridgeshire Community Services NHS Trust; Central and North-West London NHS; Foundation Trust; East London NHS Foundation Trust; Milton Keynes University Hospital NHS

These regional protocols have been developed by clinical leads, commissioners and medicines optimisation teams from ICBs across the East of England, with the support of the NHS England regional team, Health Innovation East and PrescQIPP. They are based on work from BLMK ICB.

There are 3 key underlying principles:

- 1.) Efficiency when using medicines to treat high blood pressure (BP), it is preferable to use those with licensed starting doses providing near-maximal BP-lowering efficacy, and therefore requiring little or no dose uptitration. This reduces the time needed to treat to BP target and, critically, the number of contacts / appointments needed making it much less likely for someone to be lost to follow-up and reducing the burden on healthcare services associated with successful treatment
- 2.) Effectiveness prescribing an additional BP-lowering medicine with a different mechanism of action is likely to have greater impact on blood pressure, and a better balance of efficacy against tolerability, than further increasing the dose of any already-prescribed BP-lowering therapies. Given the evidence is clear that most people with stage 2 hypertension will need at least two BP-lowering medicines to reach their BP target, there is generally little value in delaying starting a second medicine in favour of further uptitrating existing therapy with already near-maximal effect
- 3.) **Empowerment** where considered clinically appropriate, people with hypertension can be involved in their treatment pathway through a patient-led intensification approach, armed with information on their blood pressure target, encouragement to self-monitor their progress through home BP recording, and knowledge of what to do if their target has not been met (e.g. to start another BP-lowering medicine for which they have a prescription) alongside information of what to do if they have questions or need support

There are two protocols enclosed – one for people aged under 80 years and the other for those aged 80 years and over - reflecting differences in treatment targets, suggested dosing of some medicines and the risk of adverse effects, including postural symptoms.

Although outside the scope of these protocols, the importance of lifestyle changes in reducing blood pressure is well recognised; alongside medical treatment, clinicians are encouraged to support people to adopt positive lifestyle changes to address appropriate behavioural risk factors such as weight, smoking, and physical activity, while avoiding undue delays in starting treatment.

Both protocols are considered compliant with NICE guidance and reflect the most recent guidance from the British and Irish Hypertension Society. ICBs may change the specific examples of medicines from each class according to their individual needs, preferences and priorities; the choice of specific CCB or ARB is less important than the three key principles detailed above.

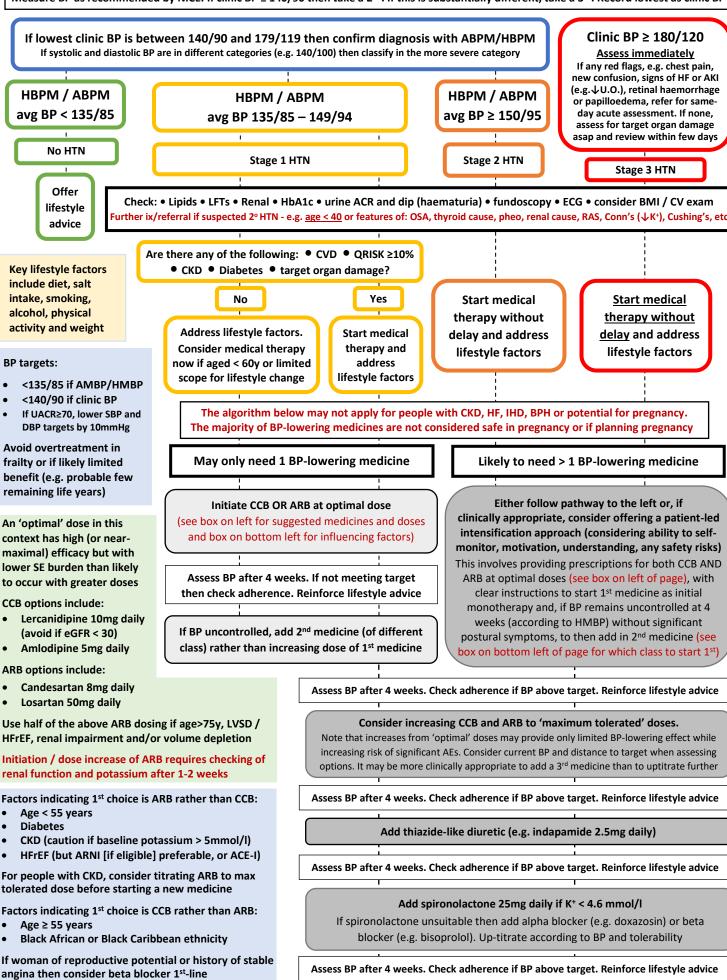
ARBs are used in preference to ACE-i because they tend to be better tolerated while having similar BP-lowering efficacy and acquisition cost and are preferred over ACE-i in people of Black ethnicity. The licensed starting doses of ARBs tend to have near-maximal BP-lowering efficacy, negating the need for uptitration. Their positioning over ACE-i in this protocol is pragmatic, recognising the multiple pressures on already-strained healthcare services, with an acknowledgment that the evidence-base for the benefits of ACE-i is superior in many respects. However, clinicians should be aware of contexts where using an ACE-i may be preferable (e.g. HFrEF if ineligible for ARNI).

In summary, we anticipate that following these protocols for the medical management of most people with hypertension (there will inevitably be people for whom your clinical judgement suggests doing otherwise – and, when this arises, your clinical judgement should prevail) will have benefits for both healthcare services and people with hypertension. They should result in both more timely treatment to target and reduced number of contacts / appointments to get there, than typically seen for conventional approaches to hypertension management with multiple uptitration steps, later initiation of second therapies and entirely HCP-driven intensification processes.

If you have any questions or feedback on these protocols, please contact your local ICB medicines optimisation team or clinical lead, or alternatively contact Chirag Bakhai, Primary Care Clinical Lead for the East of England Clinical Network on c.bakhai@nhs.net

East of England Hypertension Protocol (for people aged < 80 years)

Measure BP as recommended by NICE. If clinic BP ≥ 140/90 then take a 2nd. If this is substantially different, take a 3rd. Record lowest as clinic BP



This protocol is guidance only and should not override clinical judgement. Responsibility for checking suitability of treatments rests with the prescriber

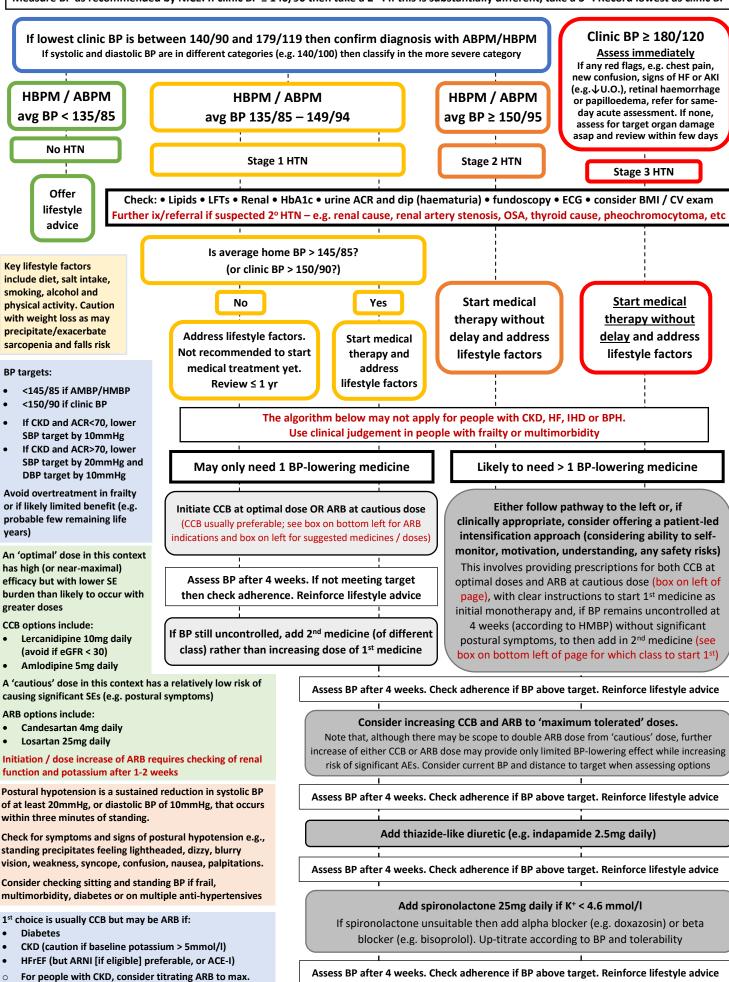
Consider Advice & Guidance or referral as appropriate

If benign prostatic hyperplasia, then consider using

alpha-blocker 1st-line

East of England Hypertension Protocol (for people aged ≥ 80 years)

Measure BP as recommended by NICE. If clinic BP ≥ 140/90 then take a 2nd. If this is substantially different, take a 3rd. Record lowest as clinic BP



This protocol is guidance only and should not override clinical judgement. Responsibility for checking suitability of treatments rests with the prescriber

Consider Advice & Guidance or referral as appropriate

tolerated dose before starting a new medicine
If stable angina, then consider beta blocker 1st-line

If BPH, then consider using alpha-blocker 1st-line