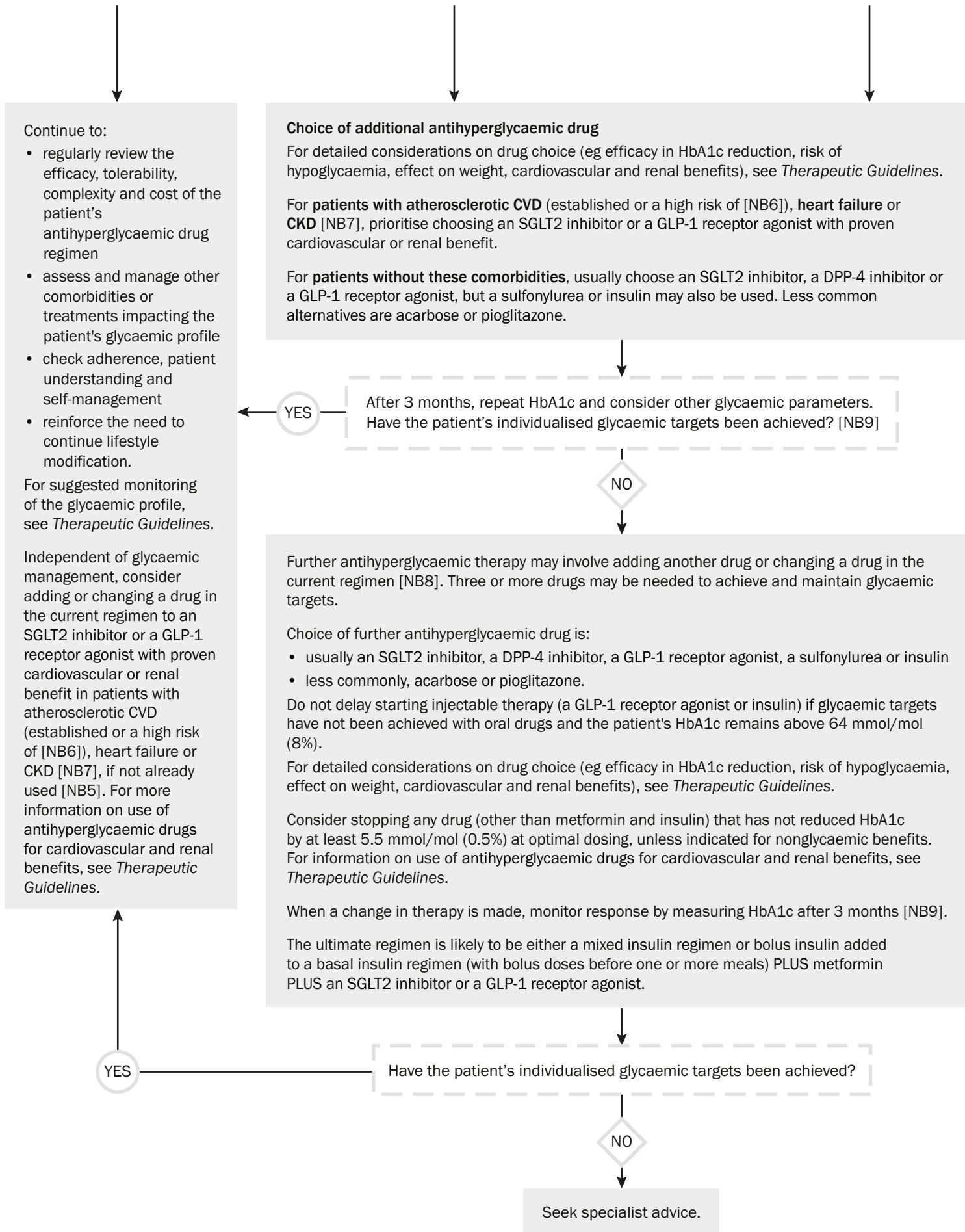


Algorithm for antihyperglycaemic treatment for adults with type 2 diabetes [NB1] (cont.)



BGC = blood glucose concentration; CKD = chronic kidney disease; CVD = cardiovascular disease; DPP-4 = dipeptidyl peptidase-4; GLP-1 = glucagon-like peptide-1; HbA1c = glycated haemoglobin; SGLT2 = sodium-glucose co-transporter 2

NB1: See the Australian Therapeutic Goods Administration (TGA) website <www.tga.gov.au> for current approved indications and fixed-dose combination formulations of antihyperglycaemic drugs. Recommended combinations may not be subsidised on the Pharmaceutical Benefits Scheme (PBS). Not all single and fixed-dose combination antihyperglycaemic formulations are available on the PBS; see the PBS website <www.pbs.gov.au> for current information.

NB2: In addition to lifestyle modification, consider the need for intensive weight management with drug therapy or metabolic (bariatric) surgery—remission of type 2 diabetes may be possible with significant weight loss. For comprehensive information on management of obesity, see the Australian Obesity Management Algorithm, available on the Australian Diabetes Society website <diabetessociety.com.au/position-statements.asp>.

NB3: If metformin is contraindicated or not tolerated, choose an alternative antihyperglycaemic drug (eg an SGLT2 inhibitor, a DPP-4 inhibitor, or a sulfonylurea); the considerations when choosing an alternative drug to metformin for first-line therapy of type 2 diabetes in adults are the same as the #[considerations when adding or changing antihyperglycaemic drugs to improve glycaemic management].

NB4: For patients who do not have an HbA1c significantly above their individualised target at diagnosis, but have a high blood glucose concentration (eg 14 to 20 mmol/L) at diagnosis, consider starting a second antihyperglycaemic drug at diagnosis (in addition to lifestyle modification and metformin), as recommended for patients who have an HbA1c significantly above their individualised target.

NB5: At the time of writing, GLP-1 receptor agonists and SGLT2 inhibitors are not subsidised on the PBS specifically for their cardiovascular or renal benefits, except for dapagliflozin for heart failure; see the PBS website <www.pbs.gov.au> for current information.

NB6: To assess the risk of atherosclerotic cardiovascular disease (CVD), see Who should have their absolute cardiovascular disease risk estimated in *Therapeutic Guidelines*.

NB7: Chronic kidney disease (CKD) is defined as an estimated glomerular filtration rate (eGFR) of less than 60 mL/min/1.73 m² or established albuminuria.

NB8: When considering adding or changing an antihyperglycaemic drug, consider all aspects of the glycaemic profile (eg symptoms of hyperglycaemia, episodes of hypoglycaemia, hypoglycaemia unawareness); assess and manage other comorbidities or treatments impacting the patient's glycaemic profile; check adherence, patient understanding and self-management; and reinforce the need to continue lifestyle modification.

NB9: Once-weekly GLP-1 receptor agonists (dulaglutide and semaglutide) take 4 to 5 weeks to reach steady state and further improvement in HbA1c may be seen after the initial 3 months.