

A Whole-Patient Approach

to medication selection for patients with T2D

Review previous/existing treatments and risk factor control

7.0% A generally appropriate target

6.5% A more stringent target may achieved safely

8.0% Consider less stringent targets when paties to when patients have significant comorbidities, limited life expectancy, or are at risk of severe hypoglycemia

Metformin is the preferred initial agent for the treatment of T2D; continue for as long as tolerated

Additional agents should be added as required to maintain glycemic control, and should be selected based on a **patient-centered approach**







Comorbidities

Hypoglycemia

Body weight







Side effects

Cost

Patient preference

Does your patient have CVD?



PATIENTS WITH KNOWN ASCVD

(A) Consider ACE inhibitor or ARB therapy for patients with hypertension to reduce the risk of CV events

PATIENTS WITH ESTABLISHED ASCVD

- S An SGLT2 inhibitor or GLP-1 RA
- (G) with demonstrated CV benefit is recommended

Does your patient have HF?

- M Avoid metformin in unstable HF or hospitalized patients
- (s) In established HF, an SGLT2 inhibitor may reduce risk of HF hospitalization as part of the patient's glucose-lowering regimen
- (T) Avoid **thiazolidinediones** for patients with symptomatic HF

Does your patient have a high BMI?

 High-intensity interventions (diet/physical activity/behavioral therapy) to achieve and maintain 7% weight loss are recommended, with long-term weight maintenance support for patients who achieve weight loss goals

Patient BMI

Patient BMI cut-off for **Asian Americans**

40 kg/m²

37.5 kg/m²

Metabolic surgery recommended when patients cannot achieve durable weight loss

35 kg/m²



and improvement in comorbidities with

32.5 kg/m²

Consider metabolic surgery when patients do not achieve durable weight loss/improvement in comorbidities with nonsurgical methods

30 kg/m²



27.5 kg/m²

Consider weight loss medications, but evaluate potential benefits vs potential risks

27 kg/m²

· Consider the effect on weight when selecting glucose-lowering medications

WEIGHT LOSS $M \otimes G \alpha$



Metformin, SGLT2 inhibitors, GLP-1 RA, α-glucosidase inhibitors

WEIGHT NEUTRAL (D)



DPP-4 inhibitors

WEIGHT GAIN (I) (T) (Su)

Insulin secretagogues, thiazolidinediones, SUs, insulin

OR MULTIPLE ASCVD RISK FACTORS

Does your patient have CKD?

 Optimize blood pressure and glycemic control to reduce the risk or slow the progression of CKD

eGFR (mL/min/1.73 m²)

ACE inhibitor or ARB is recommended for patients with hypertension Reassess treatment with metformin (S) Consider SGLT2 **inhibitors** to reduce risk of CKD progression, CV events, or both 30 (M) Metformin Refer patients is contraindicated to a nephrologist if

(G) In patients at increased risk for CV events, a GLP-1 RA may reduce risk of progression of albuminuria, CV events, or both

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Treatments by drug class



(1) **Insulin** (\$25+/mo)

S SGLT2 inhibitors*

- Canagliflozin, dapagliflozin,

G GLP-1 RA*

- For weight loss, semaglutide > liraglutide > dulaglutide > exenatide > lixisenatide
- Dulaglutide, liraglutide, and semaglutide have associated CV benefits
- Later generation SUs are recommended to reduce the risk of hypoglycemia

eGFR <30 mL/min/1.73 m²,

if there are difficult

management issues,

or rapidly progressing kidney disease

- Pioglitazone (\$11/mo)

Thiazolidinediones

- α α-Glucosidase inhibitor
- Acarbose (\$19/mo)
- empagliflozin, ertugliflozin - Glimepiride, glipizide (\$4/mo) *Drug costs for all GLP-1RAs and SGLT2 inhibitors are estimated at more than \$100/mo and in some cases may be more than \$1000/mo