Diabetes Management in Older Adults: Recommendations for Comprehensive Care

October 13, 2020 Shamera Robinson, MPH, RDN, CDCES



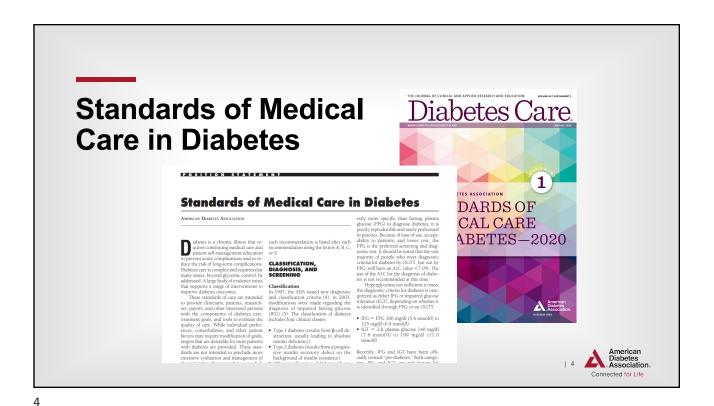


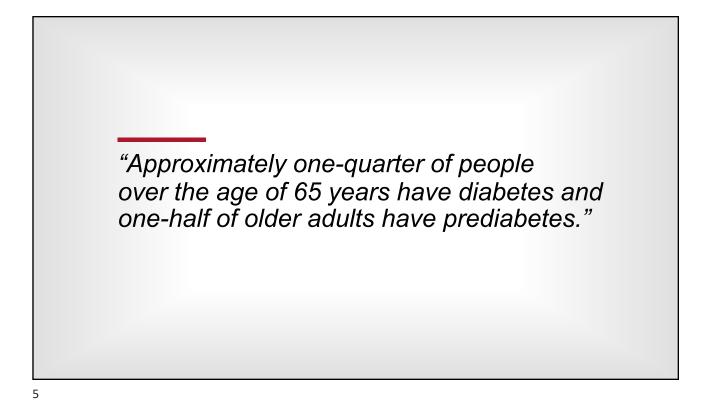
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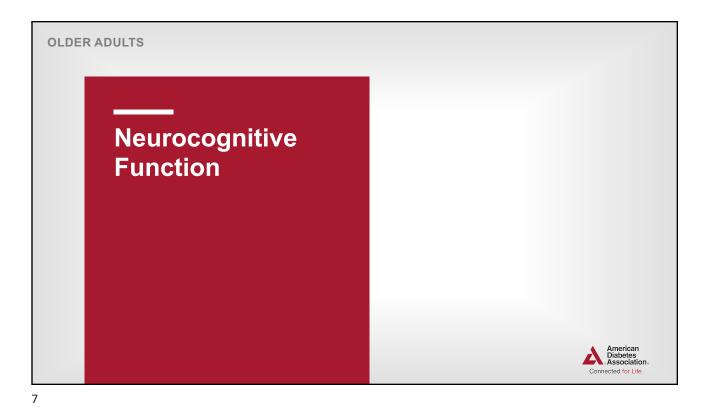


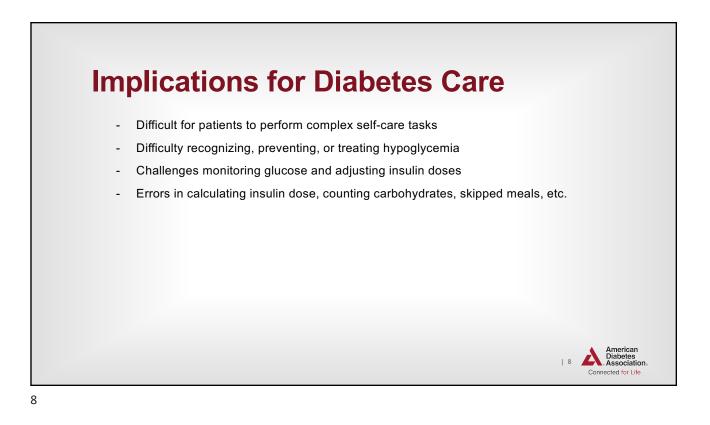
	Learr	ning Outcomes
		Explain key recommendations for diabetes care in older adults with diabetes based on from ADA guidance.
	~	Gain practical strategies to apply current evidence-based recommendations in clinical practice.
	6	Identify resources and evidence-based guidance to provide optimal care for PWD.
3		American Diabetes Association. Connected for Life

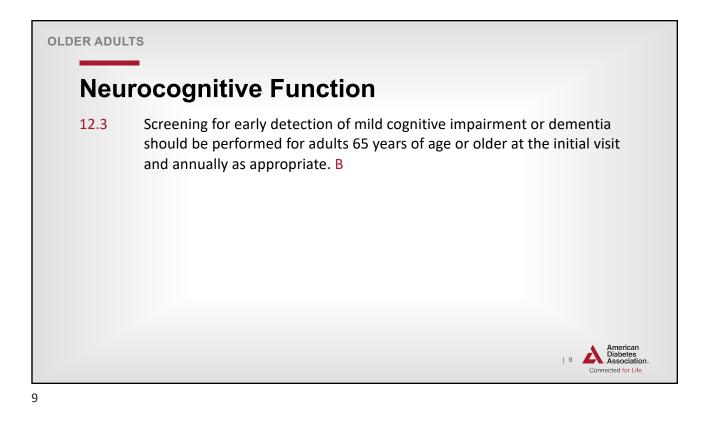


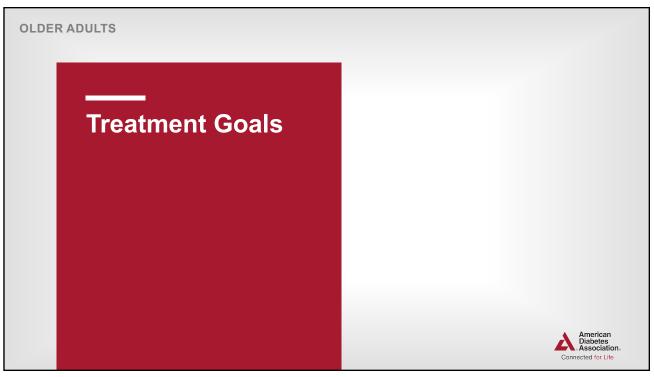


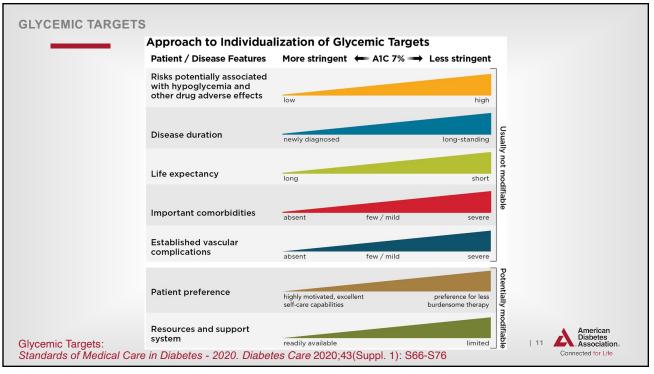
OLDER ADULTS Overall 12.1 Consider the assessment of medical, psychological, functional (self management abilities), and social geriatric domains in older adults to provide a framework to determine targets and therapeutic approaches for diabetes management. B 12.2 Screen for geriatric syndromes (i.e., polypharmacy, cognitive impairment, depression, urinary incontinence, falls, and persistent pain) in older adults as they may affect diabetes self-management and diminish quality of life. B

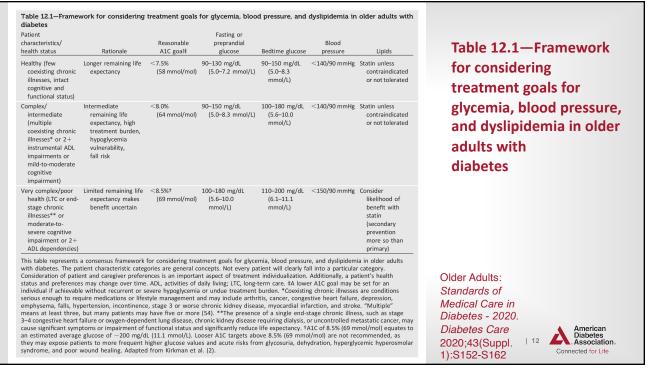


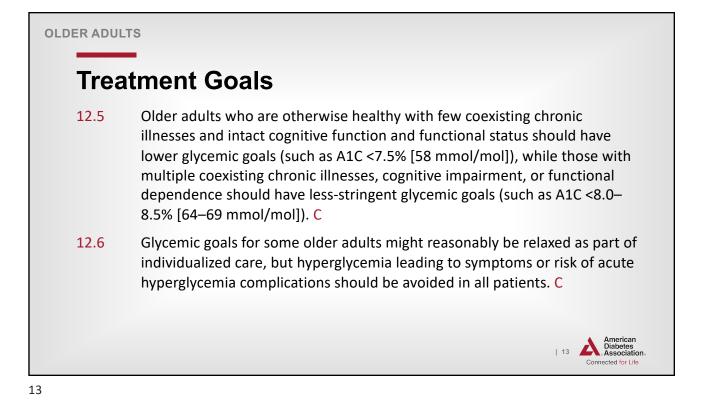






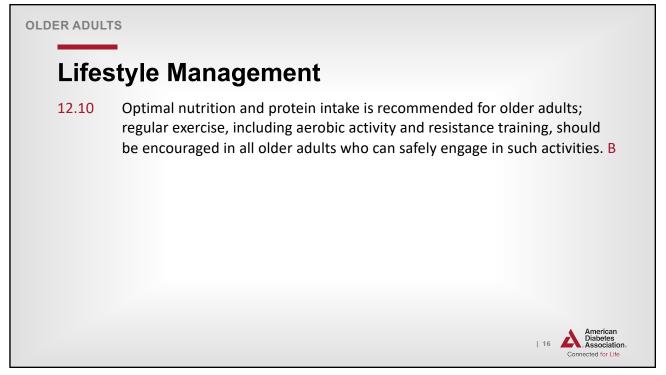






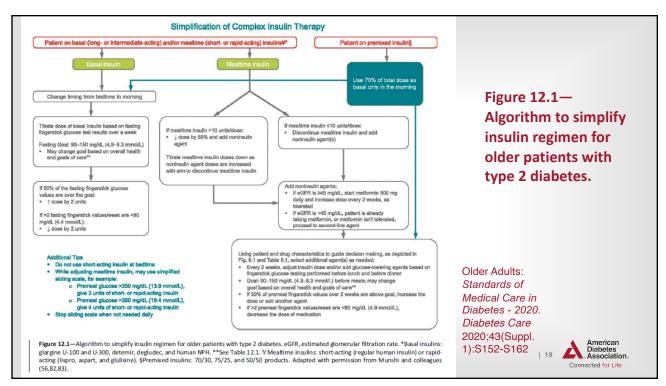
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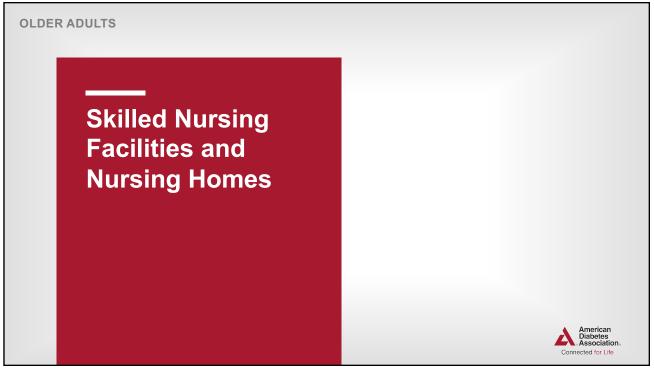
OLDER ADULTS Pharmacologic Therapy In older adults with type 2 diabetes at increased risk of hypoglycemia, 12.11 medication classes with low risk of hypoglycemia are preferred. B 12.12 Overtreatment of diabetes is common in older adults and should be avoided. B 12.13 Deintensification (or simplification) of complex regimens is recommended to reduce the risk of hypoglycemia and polypharmacy, if it can be achieved within the individualized A1C target. B Consider costs of care and insurance coverage rules when developing 12.14 treatment plans in order to reduce risk of cost related nonadherence. B American Diabetes Association | 18

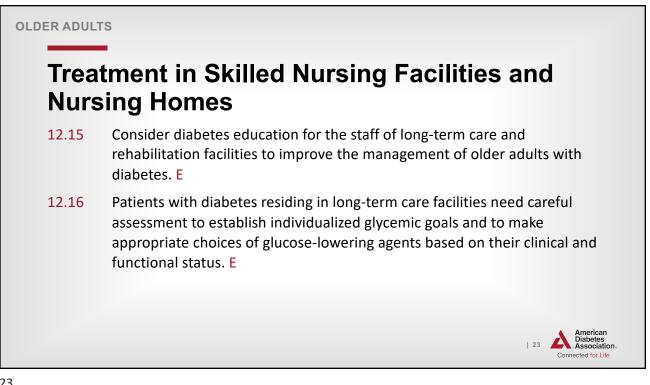


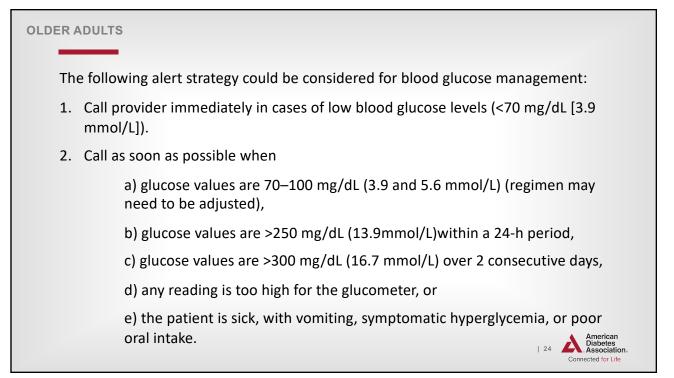


	erations for treatm	nent regimen simplification an	d deintensification/depresc	ribing in older adults with	Table 12.2 —
diabetes (56,82) Patient characteristics/health status	Reasonable A1C/ treatment goal	Rationale/considerations	When may regimen simplification be required?	When may treatment deintensification/ deprescribing be required?	Considerations for treatment
Healthy (few coexisting chronic illnesses, intact cognitive and functional status)	A1C <7.5% (58 mmol/mol)	 Patients can generally perform complex tasks to maintain good glycemic control when health is stable During acute illness, patients may be more at risk for administration or dosing errors that can result in hypoglycemia, falls, fractures, etc. 	 If severe or recurrent hypoglycemia occurs in patients on insulin therapy (even if A1C is appropriate) If wide glucose excursions are observed If cognitive or functional decline occurs following 	 If severe or recurrent hypoglycemia occurs in patients on noninsulin therapies with high risk of hypoglycemia (even if A1C is appropriate) If wideglucose excursions are observed In the presence of polypharmacy 	regimen simplification and deintensification/ deprescribing in older adults with diabetes.
Complex/ intermediate (multiple coexisting chronic illnesses or 2+ instrumental ADLimpairments or mild-to-moderate cognitive impairment)	A1C <8.0% (64 mmol/mol)	 Comorbidities may affect self- management abilities and capacity to avoid hypoglycemia Long-acting medication formulations may decrease pill burden and complexity of medication regimen 	 If severe or recurrent hypoglycemia occurs in patients on insulin therapy (even if ALC is appropriate) If unable to manage complexity of an insulin regimen If there is a significant change in social circumstances, such as loss of caregiver, change in living situation, or financial difficulties 	 If severe or recurrent hypoglycemia occurs in patients on noninsulin therapies with high risk of hypoglycemia (even if A1C is appropriate) If wideglucose excursions are observed In the presence of polypharmacy 	Older Adults: Standards of Medical Care in Diabetes - 2020. Diabetes Care 2020;43(Suppl. 1):S152-S162

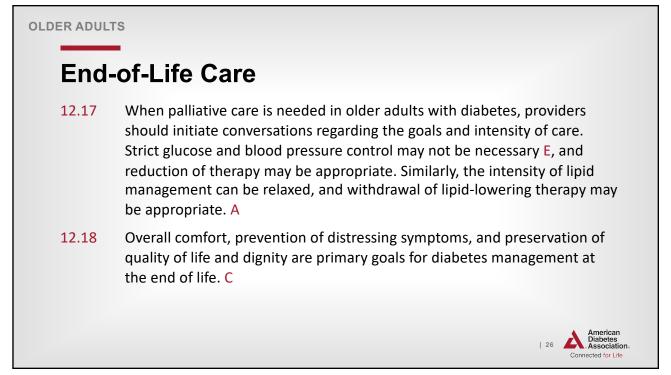
OLDER ADU Community-dwelling	Avoid reliance	Glycemic control is important	If treatment regimen	• If the hospitalization for	Table 12.2—
patients receiving care in a skilled nursing facility for short-term rehabilitation	on A1C Glucose target: 100–200 mg/dL (5.55–11.1 mmol/L)	for recovery, wound healing, hydration, and avoidance of infections • Patients recovering from illness may not have returned to baseline cognitive function at the time of discharge • Consider the type of support the patient will receive at home	increased in complexity during hospitalization, it is reasonable, in many cases, to reinstate the prehospitalization medication regimen during the rehabilitation	acute illness resulted in weight loss, anorexia, short-term cognitive decline, and/or loss of physical functioning	Considerations for treatment regimen simplification and deintensification/
Very complex/poor health (long-term care or end-stage chronic illnesses or moderate-to- severe cognitive impairment or 2+ ADL dependencies)	A1C <8.5% (69 mmol/)†	 No benefits of tight glycemic control in this population Hypoglycemia should be avoided Most important outcomes are maintenance of cognitive and functional status 	 If on an insulin regimen and the patient would like to decrease the number of injections and fingerstick blood glucose monitoring events each day If the patient has an inconsistent eating pattern 	 If on noninsulin agents with a high hypoglycemia risk in the context of cognitive dysfunction, depression, anorexia, or inconsistent eating pattern If taking any medications without clear benefits 	deprescribing in older adults with diabetes. (2 of 2) Older Adults: Standards of Medical Care in Diabetes - 2020. Diabetes Care 2020;43(Suppl. 1):S152- S162
Patients at end of life	Avoid hypoglycemia and symptomatic hyperglycemia	 Goal is to provide comfort and avoid tasks or interventions that cause pain or discomfort Caregivers are important in providing medical care and maintaining quality of life 	 If there is pain or discomfort caused by treatment (e.g., injections or fingersticks) If there is excessive caregiver stress due to treatment complexity 	 If taking any medications without clear benefits in improving symptoms and/or comfort 	
Treatment regimen sim fewer fingerstick readin Deintensification/depre ADL, activities of daily I	21 American Diabetes Association. Connected for Life				











OLDER ADULTS

Different patient categories have been proposed for diabetes management in those with advanced disease:

- 1. A stable patient: Continue with the patient's previous regimen, with a focus on the prevention of hypoglycemia and the management of hyperglycemia using blood glucose testing, keeping levels below the renal threshold of glucose. There is very little role for A1C monitoring and lowering.
- 2. A patient with organ failure: Preventing hypoglycemia is of greater significance. Dehydration must be prevented and treated. In people with type 1 diabetes, insulin administration may be reduced as the oral intake of food decreases but should not be stopped. For those with type 2 diabetes, agents that may cause hypoglycemia should be reduced in dose. The main goal is to avoid hypoglycemia, allowing for glucose values in the upper level of the desired target range.

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OLDER ADULTS

Different patient categories have been proposed for diabetes management in those with advanced disease (continued):

3. A dying patient: For patients with type 2 diabetes, the discontinuation of all medications may be a reasonable approach, as patients are unlikely to have any oral intake. In patients with type 1 diabetes, there is no consensus, but a small amount of basal insulin may maintain glucose levels and prevent acute hyperglycemic complications.



