

SUPPLEMENTARY TABLE 1: KEY COMPONENTS OF DIABETES SELF-MANAGEMENT EDUCATION AND SUPPORT (DSMES)

• Evidence-based
• Individualized to the needs of the person, including language and culture
• Has a structured theory-driven written curriculum with supporting materials
• Delivered by trained and competent individuals (i.e., diabetes care and educational specialist) who are quality assured
• Delivered in group or individual settings
• Aligns with the local population needs
• Supports the person and their family in developing attitudes, beliefs, knowledge, and skills to self-manage diabetes
• Includes core content, i.e., diabetes pathophysiology and treatment options; medication usage; monitoring, preventing, detecting, and treating acute and chronic complications; healthy coping with psychological issues and concerns; problem-solving and dealing with special situations (i.e., travel, fasting)
• Available to the individual at critical times (i.e., at diagnosis, annually, when complications arise, and when transitions in care occur)
• Includes monitoring of the individual's progress, including health status, quality of life
• Quality audited regularly
<p>DSMES is a critical element of care for all people with diabetes and is the ongoing process of facilitating the knowledge, skill, and ability necessary for diabetes self-care as well as activities that assist a person in implementing and sustaining the behaviors needed to engage with diabetes on an ongoing basis.</p> <p>National organizations in the U.S. and Europe have published standards to underpin DSMES. In the U.S. these are defined as DSMES "services," whereas in Europe they are often referred to as "programs." However, the broad components are similar.</p>

SUPPLEMENTARY TABLE 2: KEY DOMAINS TO SUPPORT THE IMPLEMENTATION OF EVIDENCE-BASED INTERVENTIONS FOR THE CARE OF TYPE 2 DIABETES

Domain	Considerations
Delivery arrangements	
How care is delivered	<ul style="list-style-type: none"> Is our DSMES program available in both a group and individual format? What are our measures for quality of diabetes care? Do hours of operation align with need?
Where care is delivered	<ul style="list-style-type: none"> Can some diabetes services be provided outside of the clinic setting (e.g., community, home)? Do we provide transport services when these are needed?
Who provides care	<ul style="list-style-type: none"> What is our approach to team-based care? Are all members of the team (e.g., physicians, nurses, pharmacists, community health workers) practicing within license and accessing optimal training? What are specific roles of each team member (e.g., for injection teaching, follow-up after hospitalization, etc.)? Are there disciplines that we should add to our team to improve diabetes care (e.g., community health workers)? Do we refer to DSMES at the critical time points to facilitate self-management? How do we support and track these referrals? Do we refer all persons with type 2 diabetes for medical nutrition therapy? How can we incorporate mental health services to meet the needs of persons living with type 2 diabetes? What screening do we do and who does the screening?
Coordination of care and management of care processes	<ul style="list-style-type: none"> What is our process for coordinating diabetes care, such as assuring all preventive care is completed and that patients with higher risk (e.g., elevated HbA_{1c}, hospitalizations) are seen more frequently? Do we have a care pathway for diabetes that addresses both nonpharmacological and pharmacological interventions? How should/do we incorporate care management? What is our process for ensuring that all referrals for diabetes care are made and followed up on? What are our criteria for referrals? How do we communicate with referring providers and how do referring providers communicate with us? How do we ensure continuity of care within the clinic and with transitions of care? How do we facilitate patient-initiated care (e.g., self-scheduling of appointments)? How do we incorporate shared decision-making in our management of diabetes?
Information and communication technology	<ul style="list-style-type: none"> How can our information systems facilitate use of remote patient monitoring (e.g., continuous glucose monitoring data) to improve diabetes care? How do members of the health care team communicate using available technology? How do we incorporate telemedicine into diabetes care, including gathering of patient data previsit to ensure timely care? How can we leverage technology for clinical decision support (e.g., decision support tools on the use of SGLT2i or GLP-1 RA in persons with relevant comorbid conditions)?
Governance arrangements: Accountability for health professionals	
Training and certification	<ul style="list-style-type: none"> What are our policies on ongoing training for health care team members on principles of diabetes care? Can team members access training asynchronously and using technology?
Quality of practice	<ul style="list-style-type: none"> What are our policies that facilitate implementation of clinical guidelines?
Implementation strategies	
Health system	<ul style="list-style-type: none"> How do we identify and address disparities in diabetes care? How do we ensure that our organizational culture supports the holistic management of type 2 diabetes? How do we assess and address social determinants of health? What are our community resources?
Health care setting	<ul style="list-style-type: none"> What are the specific roles of primary care providers and specialists in the management of type 2 diabetes in our setting? Do we have a process for panel/population management so that we are not relying on individual clinic visits to identify issues with diabetes care?
Health care workers	<ul style="list-style-type: none"> What quality metrics do we use to assess our diabetes care? What is our process for continuous quality improvement around diabetes care? Should we set up a diabetes community of practice? How is education on new initiatives for diabetes care improvement provided to team members?

SUPPLEMENTARY FIGURE 1

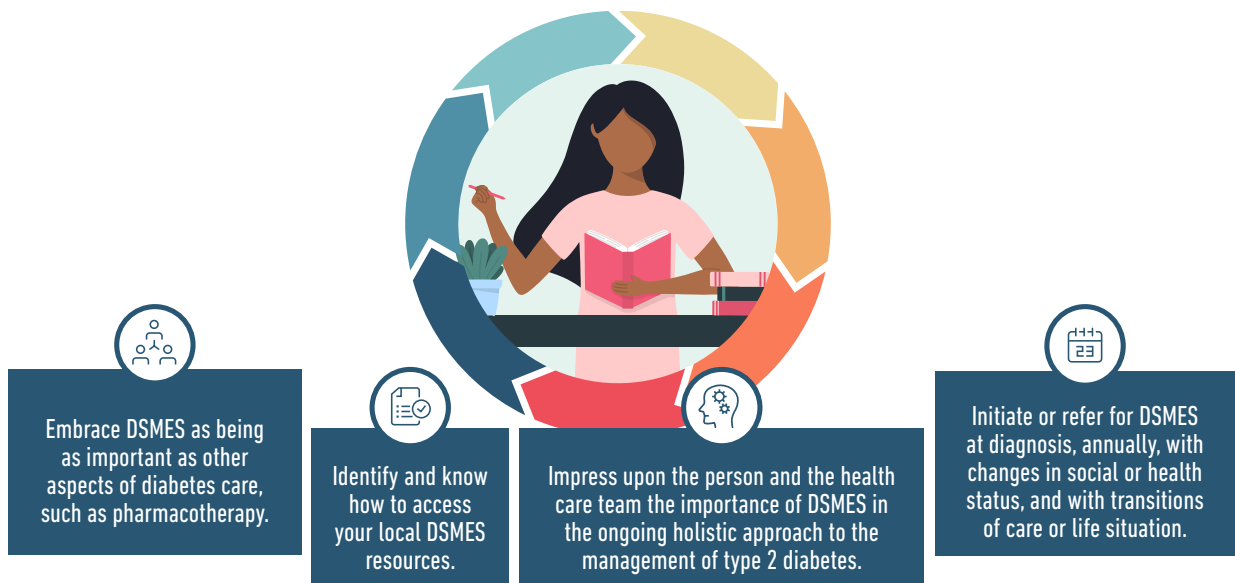
IMPORTANCE OF INTEGRATED CARE



INDIVIDUALIZATION OF CARE



DIABETES SELF-MANAGEMENT EDUCATION AND SUPPORT

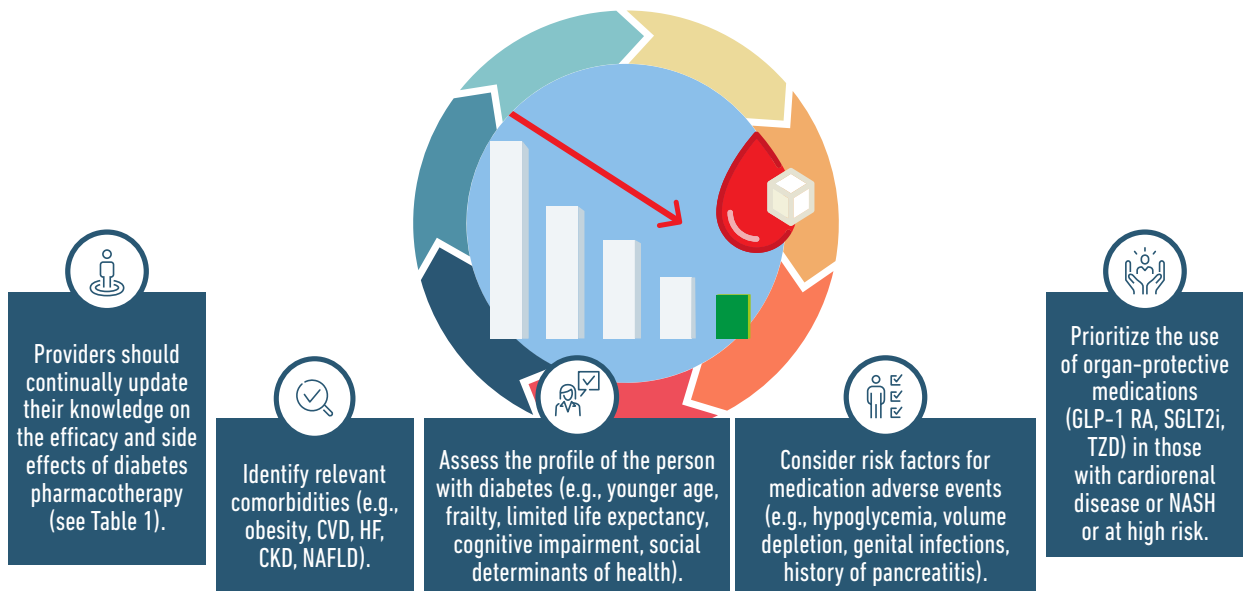


SUPPLEMENTARY FIGURE 2

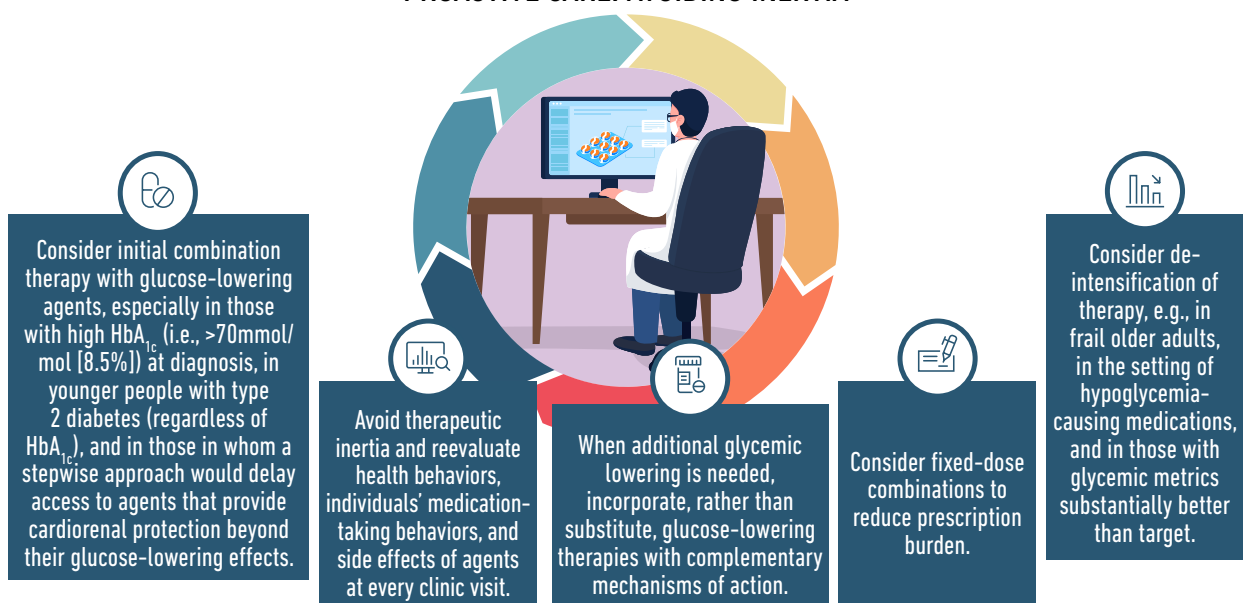
FACILITATING HEALTHY BEHAVIORS AND WEIGHT MANAGEMENT



CHOICE OF GLUCOSE-LOWERING MEDICATION

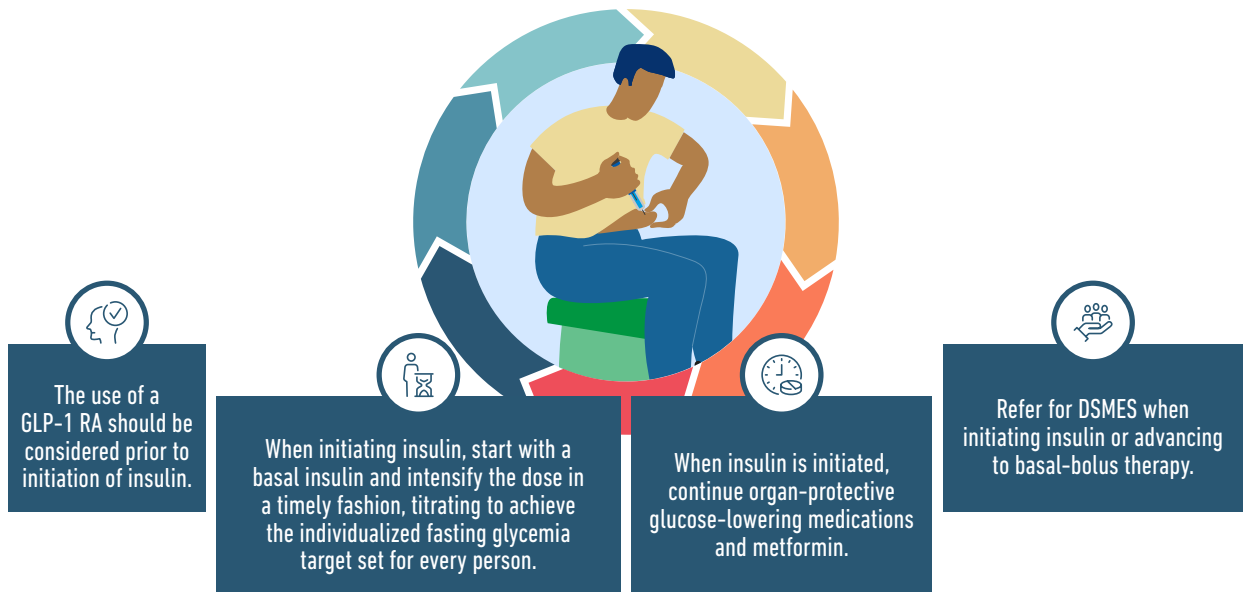


PROACTIVE CARE: AVOIDING INERTIA

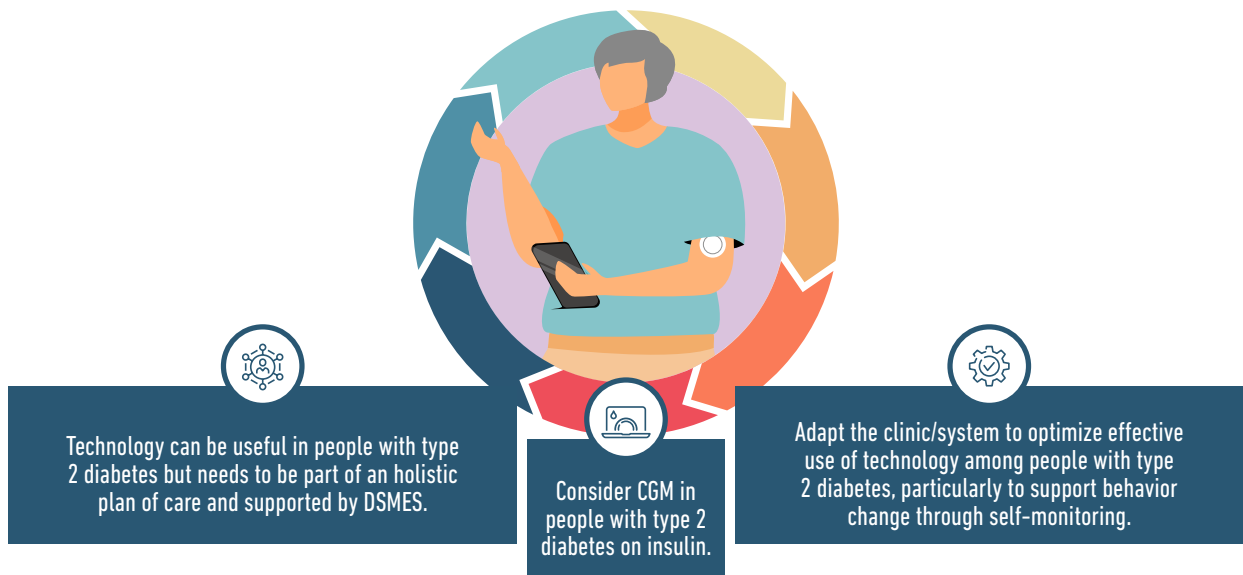


SUPPLEMENTARY FIGURE 3

PLACE OF INSULIN IN TYPE 2 DIABETES



PLACE OF TECHNOLOGY



WORKING WITHIN THE SYSTEM TO DELIVER IMPROVED CARE

