Lessons from Launching the Diabetes Prevention Program in a Large Integrated Health Care Delivery System: A Case Study

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Abstract

There is urgent need for health systems to prevent diabetes. To date, few health systems have implemented the evidence-based Diabetes Prevention Program (DPP), and the few that have mostly partnered with community-based organizations to implement the program. Given the recent decision by the Centers for Medicare & Medicaid Services to reimburse for diabetes prevention, there is likely much interest in how such programs can be implemented within large health systems or how community partnerships can be expanded to support DPP implementation. Beginning in 2010, Montefiore Health System (MHS), a large health care system in the Bronx, NY, partnered with the Young Men's Christian Association (YMCA) of Greater New York to deliver the YMCA's DPP. Over 4 years, 1390 referrals to YMCA's DPP were made; 287 participants attended ≥ 3 classes, and average weight loss was 3.4%. Because of increased patient demand and internal capacity, MHS assumed responsibility for DPP implementation in May 2015. Fully integrating the program within the health system took 5–6 months, including configuring electronic health record templates/reports, hiring a coordinator, and creating clinical referral workflows/training guides. Billing workflows were designed for risk-based contracts. In the first 11 months of implementation, 1277 referrals were made, and referrals increased over time. Twenty-four class cycles were initiated, and 282 patients began attending classes. Average weight loss among 61 graduates from the Summer/Fall 2015 wave of MDPP classes was 3.8%. Additional opportunities for expansion include training allied health staff, providing patient incentives, increasing master trainer capacity, offering DPP to employees, and securing reimbursement.

Keywords: diabetes, diabetes prevention, chronic disease

Background

TYPE 2 DIABETES MELLITUS (T2DM) represents a major population health burden in the United States, doubling in prevalence from 1980 to 2014.¹ Diabetes is the seventh leading cause of death in the United States and is a key risk factor for cardiovascular and cerebrovascular disease.^{2–4} As of 2013, diabetes accounted for about 3.5% of disability-adjusted life years in the United States, a burden comparable to that of Alzheimer's (3.3%) and depression (3.7%).⁵ Although prediabetes is a generally symptom-free state defined by higher than normal, but lower than diabetic, blood glucose concentrations, the body may already experience chronic inflammation.⁶ In-

dividuals with prediabetes have a substantially elevated risk of developing diabetes, with those closer to the diagnostic threshold deemed to be in need of closer monitoring based on being at higher risk.⁷ The annualized risk of developing T2DM among those with prediabetes is between 5% and 10%, and 70% of individuals with prediabetes will go on to develop T2DM in their lifetime.⁴ Recent estimates from a nationally representative survey indicate that 36.5%, or 83 million, US adults are living in a prediabetic state.⁸ The percentage of US adults with prediabetes has increased 1.24-fold from 1999–2002 to 2007–2010 (from 29.2% to 36.2%).⁹

The Diabetes Prevention Program (DPP) trial showed that lifestyle changes could reduce the incidence of T2DM by

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58% over an average of 2.8 years of follow-up.¹⁰ The trial also found that lifestyle changes performed better than treatment with metformin alone. The Centers for Disease Control and Prevention (CDC) used the results of the trial to develop a curriculum in 2010 for uptake in health care and community settings.¹¹ As of spring 2016, 800 programs are pending recognition by the CDC and 56 have received recognition. Numerous nonprofit agencies have made an effort to scale the program nationwide, the most notable being the Young Men's Christian Association (YMCA) and the American Association of Diabetes Educators.^{12,13} Relatively low cost and scalable computer and web-based versions of the DPP, some incorporating human coaching and others being fully automated, have rapidly gained traction.^{14–16} However, a recent Institute for Clinical and Economic Review report indicates less certainty regarding the effectiveness of this approach.¹⁴

Generally, community organizations either enroll eligible patients directly or partner with health care providers/systems to identify and enroll patients. To the authors' knowledge, few health systems have implemented DPP within their operations—meaning that referrals, eligibility confirmation, and the actual program itself are provided within a health care system—and most existing programs implemented within health systems are of limited size.¹⁷ Most health systems implementing DPP continue to work with community partners and often rely on self-referrals in which patients request that their primary care provider (PCP) provides their latest hemoglobin A1c or diabetes risk score result to confirm eligibility. In some cases, health systems have implemented large-scale community-facing programs, such as the Group Lifestyle Balance program offered by the University of Pittsburgh Diabetes Prevention Support Center.¹⁸

In March 2016, the Centers for Medicare & Medicaid Services (CMS) announced that Medicare would begin to offer reimbursement for the delivery of the DPP starting in 2018.¹⁹ Because commercial providers often follow Medicare's reimbursement decisions, health care providers will

be increasingly interested in how to offer this newly covered service for their patients using either fee for service or value-based payment for DPP reimbursement. Therefore, there will be substantial interest in implementing DPP, either with community partners or within a health care system.

Montefiore Health System (MHS) is a large and growing integrated delivery system, caring for ~3 million people in communities across the Bronx, Westchester, and the Hudson Valley, New York. MHS includes 11 hospitals, 190 ambulatory care sites, and has more than 28,000 employees. MHS has more than 140,000 inpatient discharges, 550,000 emergency room visits, and more than 4 million ambulatory care visits per year, and is almost 80% government payer. Within MHS is the Office of Community and Population Health (OCPH), which houses the health education program. A health educator provides both individual and group coaching at 15 of 22 Montefiore Medical Group ambulatory primary care sites. Given the high prevalence of diabetes in the Montefiore patient population, preventing T2DM is a priority.

The purpose of this report is 2-fold: first, to describe the experience partnering with a community organization to implement DPP, and second, to discuss the process of fully implementing DPP within a large health delivery system.

Community Partnership Model

A time line of important program milestones and changes is provided in Figure 1. Additional details on dates of implementation are provided in the time line.

In late 2011, Montefiore's health education program partnered with the YMCA of Greater New York to offer the DPP to Montefiore patients. YMCA staff with experience delivering and training lifestyle coaches trained a subset of Montefiore health educators to teach the program. Initially, the DPP was offered to eligible patients at 4 ambulatory care sites, all of which were Federally Qualified Health Centers. In late 2014, efforts were made to expand and refresh the program by

FIG. 1. Time line of DPP implementation, including collaboration with YMCA and integration within Montefiore Health System. EHR, electronic health record; YMCA, Young Men's Christian Association.

offering it at more sites and doing extensive outreach with providers to alert them about the existence of the program.

Initially, referrals to the YMCA were generated on paper by PCPs, but subsequently were made available in the ambulatory electronic health record (EHR). For both referral methods, patients had to provide written consent to have their information (ie, demographics, insurance information, most recent A1c, height, weight, preferred language) sent to the YMCA. Referral forms were then faxed to a central number at the YMCA. YMCA staff created a random patient identifier, logged the referral into a spreadsheet, and attempted to reach the patient and place them in a class.

Patients were given the option of attending classes at local YMCAs (26%), Montefiore ambulatory care centers (62%), or other community settings such as churches (12%), where trained lifestyle coaches led the classes. Classes were taught at 7 unique Montefiore locations, and most classes were taught by Montefiore health educators; the rest were taught by YMCA staff. For many of these classes, a majority of participants were Montefiore patients, but the classes could include non-Montefiore patients.

Class participation, weight, and physical activity logs were entered into MYnetico, a database used by the YMCA to transmit program participation data to the national YMCA data repository. Initially monthly (subsequently quarterly), YMCA staff would provide Montefiore with a de-identified line-level list of referrals, individuals who were scheduled into classes, and the first and last weight among participants who were “enrolled” (defined as those attending ≥ 3 sessions). These data did not include any information about class attendance or weight at each class. If the patient did not attend ≥ 3 classes, the patient would be disenrolled and YMCA staff would make additional outreach attempts to enroll the patient in a new class. Although the classes were not limited to Montefiore patients, the data received by Montefiore were limited to these patients.

The YMCA used patient insurance information to attempt to bill for the service, although reimbursement was limited to a very small number of payers (including a Center for Medicare and Medicaid Innovation grant involving Medicare patients).

Opportunities and challenges in community partnership

The collaboration with the YMCA was initiated for a number of reasons. First, the YMCA had an established track record of implementing the program and was a willing collaborator. Second, the YMCA agreed to manage the entire program after the referral was received, including scheduling patients and managing all program data. At the time of initiation, MHS did not have the internal capacity to manage these aspects of the program. The YMCA also trained MHS staff as lifestyle coaches and allowed the program to be taught at both Montefiore and community-based sites, increasing access to classes. The YMCA benefited from having an increased pool of lifestyle coaches, including those who could lead classes in Spanish.

As with the implementation of any large-scale and complex program, a number of challenges emerged. The first challenge was persuading Montefiore PCPs to agree to the referral workflow, which included obtaining written patient consent for the referral to be sent to the YMCA. In addition, despite the YMCA protocol of sending periodic patient updates to the referring providers, most providers reported that they did not

receive these letters and did not know if any of their referred patients had been placed or how they were doing in the program. Referring providers indicated that receiving regular updates about the status of their patients in the DPP would be an important lever for ensuring future referrals.

With few insurers reimbursing for DPP, it was difficult to secure sufficient outreach, placement, and tracking resources to keep up with referral volumes. Likewise, there often was not sufficient revenue to cover the costs of patient materials (eg, calorie guides) or the trainers, even when Montefiore staff conducted the class. Despite these budgetary constraints, Montefiore and the YMCA agreed not to charge patients out-of-pocket, given the economic realities of this generally low-income and underserved patient population.

Financial constraints also contributed to the limited number of classes available to meet the needs of the patients, many of whom could not find classes at times and locations that would allow them to overcome barriers related to their work schedules, family commitments, and transportation challenges.

The final challenge was data availability. The YMCA program details were logged into MYnetico by the coaches, with de-identified summary data logged into an Excel spreadsheet (by YMCA staff) and provided to Montefiore on a quarterly basis. Without the ability to reidentify the patients participating in the program, Montefiore was not able to assess the overall success of the program with regard to weight loss, retention in the program, diabetes prevention, A1c control, and other related outcomes such as blood pressure. In addition, the lack of a feedback loop between DPP and outpatient providers made care coordination challenging. The provision of aggregate-only data also limited what information could be shared with referring providers to increase their likelihood of referring eligible and interested patients.

In-System Implementation of the DPP

Ultimately, as interest in the program increased along with internal resources, Montefiore decided to bring the program in-house. Fully implementing the program within the health system allowed MHS to leverage more resources while maintaining control of the data, which enabled greater program oversight and evaluation. The decision to bring the program within the health system was dependent on increased resources to manage the day-to-day operations of the program, including managing referrals and placing patients into classes.

In May 2015, the CDC approved Montefiore’s preliminary application to run DPP in-house (hereafter referred to as the Montefiore Diabetes Prevention Program [MDPP]). The referral was reconfigured into the new EHR (Montefiore transitioned from GE’s Centricity to Epic [Epic Systems Corporation, Verona, WI] in May 2015), and written patient consent was no longer required, thereby eliminating the hassle of printing the referral. Referrals could be generated by providers as before, but in the new system, referrals were electronically routed to a central Epic work queue assigned to a newly hired MDPP coordinator. Use of paper in any form has been eliminated from MDPP.

MDPP implementation

The MDPP coordinator, or designee, confirms patient eligibility in the EHR, and then calls referred patients to confirm interest and register them for a class. In the second quarter of

2016, approximately 10 referrals were received each business day. All Montefiore health educators and a subset of allied health professionals, including community health workers and registered dietitians, underwent DPP training by National DPP master trainers, and many are now teaching classes. In an effort to reach as many patients as possible, classes are offered both during the day and in the early evening.

After each class, participation data are entered by the coaches into Epic, including information on weight, whether the participant completed a food tracker, and the number of minutes of physical activity reported in the prior week. Reports generated from these Epic data have been created to track and monitor progress as well as to fulfill the CDC reporting requirements (Fig. 2).

Billing for DPP

Despite evidence of their cost-effectiveness, an important component of the sustainability of MDPP when being implemented by a health system is the generation of sufficient revenue to partially offset program costs.²⁰ OCPH worked with the Montefiore billing department to begin the process of securing reimbursement for these classes. Initially, the focus was on fee-for-service, managed care, and value-based contracts (including full-risk contracts). However, it became

clear that convincing payers to reimburse for DPP would be a longer process (before the decision by CMS to reimburse for DPP), so OCPH decided to focus on seeking reimbursement from Montefiore for the patients in risk arrangements.

A reimbursement rate of \$33.70–\$47.16 per risk patient per session was negotiated (using rates paid for diabetes group classes as the closest proxy), depending on the type of contract (eg, Medicaid, Medicare). In-house revenue cycle and billing experts were consulted, and the DPP advocacy Current Procedural Terminology code of 0403T was selected.²¹ This code is entered for each class, and the billing department sends a payment to the OCPH for all patients who qualify. For those patients who do not qualify because they are not a part of a risk arrangement, patient statements are suppressed and no one is billed for the service. Currently, patients in risk arrangements make up ~40% of the Montefiore DPP patient volume, allowing for sufficient revenue to cover the variable costs of the program, but not yet the fixed costs such as outreach, training, and data collection.

Necessary resources

Bringing the program in-house took approximately 5–6 months of work, including configuring the EHR templates, designing the billing workflows, securing seed funding (provided by the New York State Health Foundation), hiring

The screenshot displays the Epic EHR interface for a patient's record. The top navigation bar shows 'PCP', 'BMI: 48.77 kg/m²', and 'Health Maintenance'. The left sidebar contains navigation links: 'Chart Review', 'Select Encounter', 'Create Encounter', 'View Registration', and 'Report Viewer'. The main content area is divided into several sections:

- Report Viewer:** Shows a 'Report History' with a single entry for '11/17/2015 Closed Office Visit'. Below this are navigation icons and a 'Back' button.
- Vitals:** Displays 'Most recent update:' with fields for 'Wt' (115.667 kg (255 lb)), 'OB Status: Hysterectomy', and 'Smoking Status: Never Smoker'.
- Reason for Visit:** Lists 'DPP', 'Pre - Diabetes', 'Weight Monitoring', 'Nutrition Counseling', 'Exercise', and 'Reason for Visit History'.
- Notes:** Contains a 'Progress Notes by J...' entry dated '2015 9:51 AM'. Below this is a table with columns for 'Author', 'Author Type', 'Filed', 'Note Status', 'Cosign', 'Cosign Not Required', and 'Note Time'.
- 16 - Week Intervention for Pre-diabetic population:** A section detailing patient progress, including 'Week 11, Patient attended 1 Hour group class', 'Weight: 255 lb (115.667 kg)', 'Food Tracker: No', and 'Physical Activity: 30'.
- Program Goals:** Lists 'Lose at least 7% of their body weight, and' and 'Increase physical activity to at least 150 minutes a week'.
- Major Topics:** Lists 'Eating healthy', 'Incorporating physical activity into daily life', and 'Dealing with roadblocks, like stress or loss of motivation'.
- Lesson Topics:** Lists '11. Talk back to negative thoughts'.

FIG. 2. Example of Epic screenshot tracking patient attendance.

the MDPP coordinator (funded through a New York State Health Foundation grant), building the CDC reports, and creating the clinical referral workflows and training guides. It is important to keep in mind that this work was done simultaneously with the rollout of a new EHR system and may be more efficiently implemented in an environment with established informatics. Approximate details on the staffing requirements to sustain DPP at scale are provided in Table 1.

Program Impact

For analyses of both YMCA's DPP and MDPP tracking data, approval was obtained from the Albert Einstein College of Medicine or Montefiore Medical Center Institutional Review Boards.

The number of referrals to the YMCA DPP increased initially and was relatively stable from 2012 to 2015, starting with 8 (2011), 374 (2012), 354 (2013), 285 (2014), and increasing to 374 through the first half of 2015. The number of placements for these same years was 4 (2011), 59 (2012), 85 (2013), 63 (2014), and 76 (2015), although it is important to note that an individual referred in 1 year could be placed in subsequent years. The placement rate among Montefiore patients referred to the YMCA's DPP across implementation was 20.6%.

After starting a pilot class in May 2015, 24 class cycles have been initiated by the MDPP through July 2016 and 282

patients have begun attending classes. More than 1250 referrals were made (after excluding duplicate referrals), and 282 patients were placed (22.1% placement rate) in the first 11 months of MDPP implementation. Figure 3 summarizes the referral rate by quarter for the YMCA's DPP from quarter 1 2012 to quarter 2 2015 and compares the referral rate to the referral rate after the MDPP referral went live in the EHR. Referrals to MDPP have increased monotonically as more providers have been made aware of the program and the referral process has been streamlined. The training of site-specific allied health staff as lifestyle coaches with whom referring providers are familiar is another factor that may increase the number of referrals.

In addition, Montefiore Medical Group plans to add a measure of MDPP referrals to their quality measure set, enabling the medical leadership to see the aggregate MDPP referral volume (as a percent of total eligible patients) for each site. MHS plans to examine whether this systems-level factor impacts referral frequency. Although referrals to the MDPP have increased, it is important to note that, if approximately a third of more than 350,000 Montefiore adult patients have prediabetes, only a very small proportion of eligible patients are being referred to the program, indicating that there is still much opportunity for program growth.

The primary short-term quantifiable metric for DPP is weight change (ie, weight loss). In the YMCA's DPP, average weight loss was 3.4% among 287 patients attending

TABLE 1. APPROXIMATE RESOURCES NEEDED TO IMPLEMENT AND SUSTAIN DIABETES PREVENTION PROGRAM IN A LARGE INTEGRATED HEALTH CARE DELIVERY SYSTEM

	<i>Estimated FTE per position per year or cost</i>	<i>Notes/tasks</i>
Administrative/management		
High-level administrative	0.025–0.05	Provide high-level oversight; strategic support
Project manager	0.10	Assist with program implementation, coordination, and reporting
Data support	0.05	Higher range of FTE required if interest in conducting more rigorous research/evaluation
Program implementation		
Health education director	0.20	Directs MDPP, supervises MDPP coordinator and health education managers
DPP coordinator	1.00	Reaches out to all referrals, schedules all classes, fills in for lifestyle coaches
Health education managers (×2–3)	0.10	Health education managers teach classes but also provide management support to health educators housed at outpatient clinics
Health educators (×8–12)	0.075–0.10	Assumes each health educator teaches 2 class cycles per year (24 sessions: 16 core +8 maintenance) and also spends time documenting and preparing for classes
Master training certification	\$1500–\$3500 per person	One-time cost for master training certification; allows institution to train its own lifestyle coaches
Epic at Montefiore		
Epic consultants–template creation	0.025	Resource needs may be higher during start-up of program
Epic consultants–reporting	0.025	
Other internal resources		
Billing support	0.025	Resources to set up billing
Outpatient clinics		
Front desk staff	In-kind	Register patients
Referring providers	In-kind	Identify patients with prediabetes who may be interested in participating in DPP

DPP, Diabetes Prevention Program; FTE, full-time employee; MDPP, Montefiore Diabetes Prevention Program

FIG. 3. Referral rate by quarter during the implementation of the YMCA's DPP compared to baseline implementation of the MDPP. DPP, Diabetes Prevention Program; MDPP, Montefiore Diabetes Prevention Program; Q, quarter.

≥3 classes. Among 61 graduates from the fall/summer 2015 wave of classes, average weight loss was 3.8% and 38% lost more than 5% of their initial body weight (data from the spring/summer classes are not yet available). Other in-person programs have observed average weight loss between 2.5% and 7%, with most observing weight loss at ~4.5%–6%.^{10,14,22–26} Observational data from the DPP trial suggest that diabetes risk reductions of about 35%–38% were observed at levels of weight loss between 0%–3% and 3%–5%.²⁷ Furthermore, a monotonic trend toward increasing weight loss was observed among participants most engaged in the program; those attending ≥17 sessions (ie,

those attending at least 1 maintenance session) lost the most weight (5.5%, $n = 17$), consistent with other studies.²⁴

Lessons Learned

Table 2 summarizes challenges and resources needed to overcome these challenges in internal implementation of DPP. A list of the most important lessons learned is provided below:

- Providers resist overly burdensome referral pathways. Integrating the referral documentation and transmission into the EHR and removing the need to print, scan,

TABLE 2. LIST OF CHALLENGES IMPLEMENTING DIABETES PREVENTION PROGRAM WITHIN AN INTEGRATED HEALTH CARE DELIVERY SYSTEM AND RESOURCES AND OPPORTUNITIES FOR PROGRAM IMPROVEMENT

<i>Ongoing challenges</i>	<i>Resources needed and opportunities for program improvement</i>
Increasing the percentage of providers who refer prediabetic patients to DPP	Provision of provider performance feedback on rates of referral, enrollment status of their patients, and patient progress Offer periodic training on referral process to providers Inclusion of percent of patients with prediabetes referred to DPP in ambulatory care performance measures
Reducing time between patient referral and class enrollment	Commitment to flexible staffing models allows for ongoing engagement with referred patients
Engaging special populations (eg, men, adolescents)	Training of additional allied health staff as DPP lifestyle coaches Offer adapted curriculum (ie, condensed classes, different class time line, virtual classes)
Class retention	Use of peer leader model Use EHR to capture patient barriers to enrollment and attendance (eg, transportation, childcare) in structured data fields and develop strategies to address barriers Assess the impact of incentives to participation (eg, calorie counters, pedometers, MetroCards)
DPP class reimbursement	Where possible, create in-house reimbursement for patients in risk-based and/or capitated contracts Medicare reimbursement for DPP starting in 2018 sets precedent for other payors

DPP, Diabetes Prevention Program; EHR, electronic health record.

sign, or fax help save them time and increase the likelihood of referring patients.²⁸

- Owning the referral queue in-house allows flexible staffing models; a dedicated coordinator, the coaches, or a supervisor can reach out to patients, thereby reducing delay from referral to scheduling. The experience working with the YMCA revealed that a short interval between referral to scheduling was a strong predictor of whether a patient attended ≥ 3 classes, but was not associated with improved weight loss outcomes (E. Chambers, PhD, oral communication, June 6, 2016).
- Provider networks that manage risk are in a better position to create a funding stream for the DPP.
- It is critical to offer patients a wide variety of choices regarding class location, time of day, and language.

This requires a large pool of lifestyle coaches and the capacity to offer classes in numerous places. Having Montefiore employ master trainers who could provide training to allied health staff was crucial to support staff expansion as needed.

Future Efforts

With all operational aspects of this program now under Montefiore management, future efforts will be focused on training allied health staff (eg, registered dietitians, community health workers, and newly hired health educators) to increase systemwide capacity to offer DPP, piloting novel methods of content delivery (including concatenated class and virtual visits), assessing where and why patient participation drops,

FIG. 4. Percent of Diabetes Prevention Program (DPP) participants still participating in the program by week. (A) Limited to patients attending the 4th session and (B) among all participants.

and developing data-driven approaches to improve patient adherence and outcomes. An example of how access to program data can inform programmatic approaches is shown in Figure 4, which displays the proportion of participants still engaged in the DPP by week among participants in the summer/fall MDPP wave. In this study, dropouts appear to occur fairly evenly throughout the program, suggesting that there is not a single week where program participation declines. Therefore, strategies to improve sustained engagement with the program should be tailored throughout the program.

Ensuring that providers continue to refer their eligible patients and providing provider performance feedback will be critical to the continued growth of the program. MHS plans to prepare periodic performance reports summarizing patient engagement with DPP (eg, whether they were enrolled in a class), number of classes attended, and program outcomes (eg, weight change). Given the integration of DPP tracking data in the EHR, plans are to conduct rigorous comparative effectiveness analyses comparing the weight change among participants to a matched set of nonreferred patients with prediabetes and nonenrolled referrals. In addition, because of data integration, there is an opportunity to track the long-term sustainability of intervention effects on both proximal (eg, weight change, glycemic control) and long-term outcomes (eg, incidence of T2DM).

In addition, it will be important to assess the effectiveness of intervening with patients at the lower end of the prediabetes glycemic range (A1c 5.7%–5.9%) versus those at the higher end (6.0%–6.4%), particularly when resources are limited and the need is so great. Some have suggested limiting DPP eligibility and/or reimbursement to those at higher risk,²⁹ although additional cost-benefit analysis will be needed to determine whether a threshold should exist.⁷

Conclusions

This experience shows that partnering with an external organization can help ease the introduction of DPP into a health system, but as the program expands, it may make sense to build internal capacity. DPP has been shown to work in a variety of different patient populations and it is possible for mid- to large-sized provider networks to offer it, using health educators or other allied health staff.

With reimbursement on the horizon, there is optimism that more health systems will implement and/or expand their DPP efforts. Nationwide implementation requires the use of additional delivery modalities (eg, telephonic or web-based counseling), as well as a much wider footprint for curriculum delivery outside the clinical setting, including in schools, faith-based organizations, and senior centers. In addition, because some individuals will not engage (or be able to engage) in a program like DPP, it is important that upstream approaches to increase access to and promotion of healthy food and active living be pursued in conjunction with health education programs.³⁰

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