

OKLAHOMA DIABETES PREVENTION REPORT

2021

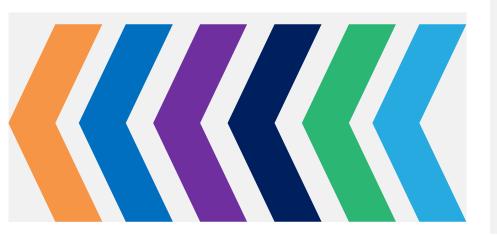


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ACKNOWLEDGEMENT



In February 2015, **Sen. Paddack** (D - District 13) authored **Senate Bill 250** requiring the Oklahoma Health Care Authority (OHCA) and Oklahoma State Department of Health (OSDH) to identify benchmarks

and develop goals to reduce the incidence rates of, improve health care services for and control complications resulting from diabetes. **Sen. Pittman** (D – District 48), along with **Reps. Denney** (R – District 33) and **McDaniel** (D – District 78), **co-authored the bill**. Governor Fallin (R) signed the bill on April 10, 2015.



This is the **third biennial report** outlining the collaborative efforts of the OHCA and OSDH to create an action plan with identified **goals** and **benchmarks** to **reduce the prevalence** of **diabetes** and

improve health outcomes of Oklahomans living with diabetes.



The **Oklahoma Diabetes Prevention Report** is authorized by statute (63 O.S. §7301) to be submitted to the President Pro Tempore of the Senate and the Speaker of the House of Representatives by

January 10th of odd-numbered years. The **OHCA** and **OSDH thank** the many **community**, **tribal** and **state partners** for their commitment and dedication to reduce the burden of diabetes across the state. This report, prepared in December 2020, is hereby respectfully submitted to state leaders and to all the people of the great State of Oklahoma.

EXECUTIVE SUMMARY

Diabetes is a serious public health concern for Oklahoma. It is the seventh leading cause of death, with 1,300 Oklahomans losing their lives to diabetes-related causes.¹ Individuals with diabetes have a two-fold higher risk of death than individuals without diabetes.

According to the most recent data reported by the Behavioral Risk Factor Surveillance System (BRFSS, 2019), more than 366,000 Oklahoma adults reported having a diabetes diagnosis; this equates to about one out of every eight Oklahoman adults, or 12.2%.² The current number of SoonerCare (Oklahoma Medicaid) members with a diabetes-related claim is 55,258; this is 5.8% of the SoonerCare population.³ For OHCA, the number of SoonerCare members with diabetes has increased by 11.5% since 2017.³

The economic impact to Oklahomans with diabetes can be attributed to higher medical costs, both direct and indirect; economic instability due to lower rates of employment and higher rates of absenteeism; and a reduced quality of life. Diabetic patients often pay up to 2.3 times more for healthcare than their non-diabetic peers.⁴

Type 2 diabetes is the most prevalent type of diabetes in the SoonerCare population. An estimated 82%, or 4 out of 5 members with diabetes have a diagnosis of Type 2.3

Using the Centers for Disease Control and Prevention's (CDC) estimate of 34.5%, over 1 million Oklahomans may have pre-diabetes, a precursor to Type 2 diabetes; nine out of ten of these individuals do not know they are at risk for developing diabetes. Without a change in lifestyle behaviors 15-30% of these individuals (155,000 – 300,000) will convert to Type 2 diabetes in 5-10 years.

Type 2 diabetes is considered preventable through changes in lifestyle behaviors. Increasing physical activity, maintaining an optimum weight, eating a balanced diet, stopping smoking and managing stress are lifestyle changes for preventing or delaying the development of Type 2 diabetes.

OHCA and OSDH have identified strategies for reducing the prevalence of diabetes and improving health outcomes of Oklahomans affected by diabetes. These align with the three goals of the Oklahoma Diabetes Prevention Report:

1) reducing the incidence of, 2) improving healthcare services for and 3) controlling complications resulting from diabetes.

INTRODUCTION

Diabetes includes a group of conditions in which the body has too much sugar circulating in the blood stream. Glucose (a type of sugar) is an important and necessary fuel for the body. Diabetes occurs when the body does not produce or use insulin properly. Insulin, a hormone made by the pancreas, assists with the transfer of sugar from the blood into muscles, liver and fat tissues where it is used as fuel or stored for later use. Without insulin, sugar builds up in the body resulting in diabetes.



TYPE 1

Loss or malfunction of insulin producing cells

TYPE 2

Body tissues are resistant to insulin

Several factors contribute to what type of diabetes diagnosis an individual may have. **Type 1** is caused by a loss or malfunction of the insulin-producing cells. This may be a result of **genetic conditions**, **autoimmune disease**, **viral infection** or **environmental** factors. **Type 2**, the **most common** form of diabetes representing 90 – 95% of cases, is when the body's tissues are resistant to insulin. The **occurrence** of Type 2 **increases** with **age**, **physical inactivity** and **obesity**.

Gestational diabetes is when diabetes is diagnosed during pregnancy. **Pregnancy hormones interfere** with the way **insulin** works in the mother's body leading to **higher levels of sugar** (glucose) **in the blood**. **After the pregnancy is over**, most women's blood sugars return to normal; 20 – 50% of these women will **develop Type 2 diabetes within 10 years**.⁷



BURDEN OF DIABETES IN OKLAHOMA

More than 366,000 Oklahoma adults reported having been diagnosed with diabetes* in 2019

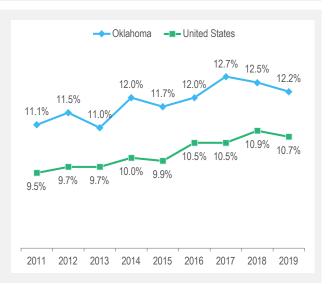




In 2019, Oklahoma had the

12th

highest diabetes prevalence in the nation



* Type 2 diabetes accounts for 90% to 95% of all diabetes cases Source: Centers for Disease Control and Prevention. (2019). Behavioral Risk Factor Surveillance System. Available at https://www.cdc.gov/brfss/brfssprevalence/index.html

AMONG THOSE DIAGNOSED WITH DIABETES

>>>>

1 in 3 (33.7%) are taking **insulin**



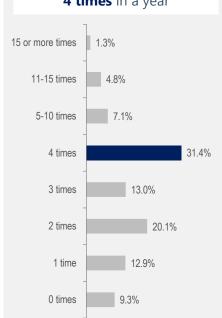
19.2% have diabetes affecting their eyes



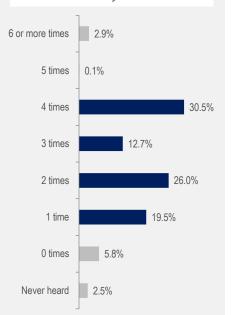
Half (52.9%) have taken a **class** in managing diabetes



About **one-third** see a health professional for their diabetes **4 times** in a year



A majority have their **A1C checked** between **1-4 times** in a year



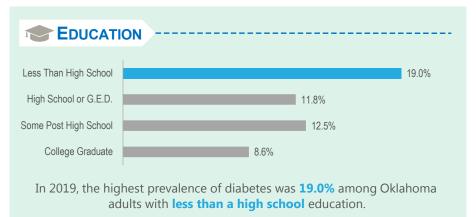
Source: Centers for Disease Control and Prevention. (2019). Behavioral Risk Factor Surveillance System.

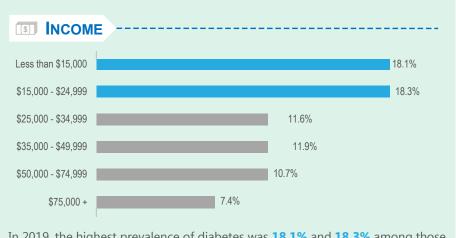
DIABETES BY SOCIAL DETERMINANTS OF HEALTH



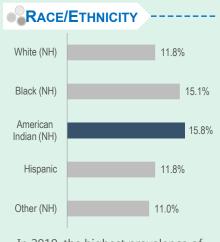
As education and income levels increase, the prevalence of diabetes decreases.



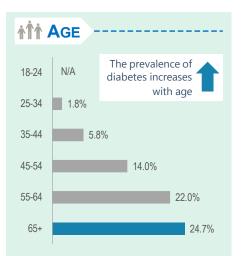




In 2019, the highest prevalence of diabetes was **18.1%** and **18.3%** among those with a household income less than **\$15,000** and **\$15,000** and **\$24,999**.

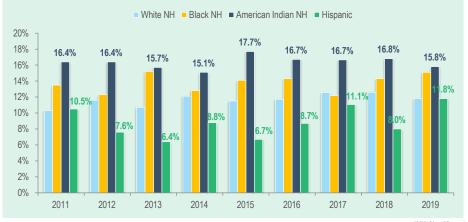






In 2019, the prevalence of diabetes reached a high of **24.7%** among adults ages **65 years and older**.

Based on trend data, **Hispanics** continue to have the **lowest** prevalence of diabetes, and **American Indians** continue to have the **highest** prevalence of diabetes among any of the racial or ethnic groups.



*NH=Non-Hispanic

Source: Centers for Disease Control and Prevention. (2019). Behavioral Risk Factor Surveillance System. Available at https://nccd.cdc.gov/weat/index.html#/crossTabulation

DIABETES-RELATED RISK FACTORS

Diabetes-related behavioral risk factors include smoking, obesity and physical inactivity



In 2019, among Oklahoma adults who have been **diagnosed with diabetes**...





ever smoking* is more prevalent (56%) compared to prevalence of ever smoking* in adults who have never been diagnosed with diabetes (43%).



obesity is more prevalent (59%)

compared to prevalence of obesity in adults who have **never been diagnosed with diabetes** (33%).



leisure time physical inactivity is more prevalent (47%) compared to prevalence of leisure time physical inactivity in adults who have never been diagnosed with

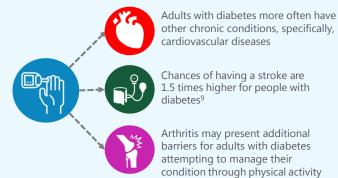
diabetes (32%).



*For ever smoking, a person 18 years of age or older must have reported having smoked at least 100 cigarettes in their lifetime regardless of whether they currently smoke or have quit smoking Source: Oklahoma State Department of Health, Center for Health Statistics, Health Care Information. (2019). Behavioral Risk Factor Surveillance System
Available at http://www.health.ok.gov/ok2share

DIABETES-RELATED CO-MORBIDITIES

Diabetesrelated comorbidities
include heart
attack,
stroke and
arthritis



In 2019, among Oklahoma adults who have been **diagnosed with diabetes:**





there is a **higher prevalence** of **heart attack diagnosis** (**16%**) compared to heart attack diagnosis

compared to heart attack diagnosi in adults who have **never been diagnosed with diabetes** (**3%**).





there is a **higher prevalence** of **stroke diagnosis** (**11%**) compared to stroke diagnosis in adults who have **never been diagnosed with diabetes** (**3%**).





there is a much higher prevalence of arthritis diagnosis (49%) compared to prevalence of arthritis diagnosis in adults who have never been diagnosed with diabetes (23%).

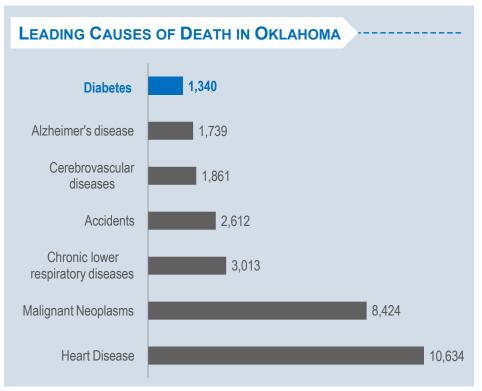


23%



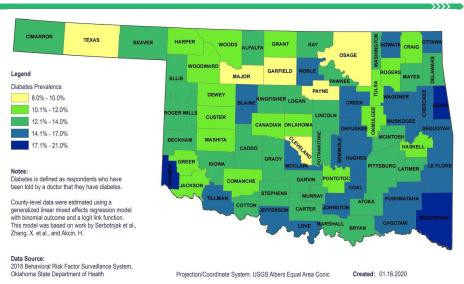
DIABETES MORTALITY





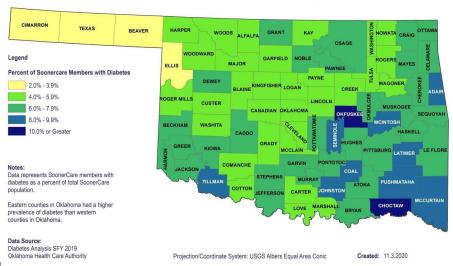
Source: Oklahoma State Department of Health, Center for Health Statistics, Health Care Information. (2018). Vital Statistics. Available at http://www.health.ok.gov/ok2share.

OKLAHOMA DIABETES PREVALENCE BY COUNTY, 2018



Projection/Coordinate System: USGS Albers Equal Area Conic

SOONERCARE DIABETES PREVALENCE BY COUNTY, 2019

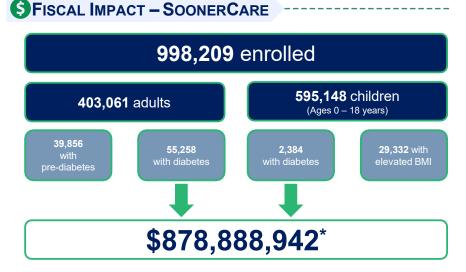


FISCAL IMPACT

According to the latest report from the American Diabetes Association (2018), estimated total overall costs for people diagnosed with diabetes is \$327 billion. Individuals with diabetes can expect to spend 2.3 times more on medical care as individuals without a diabetes diagnosis.⁴

After adjusting for inflation, economic costs of diabetes have increased by 26% between 2012 and 2017. This is due in part to an increased prevalence and higher medical costs per person with diabetes.⁴

In Oklahoma, diabetes and prediabetes related costs are estimated to be \$3.7 billion annually. According to BRFSS, 12.2% of the adult population, or approximately 366,000 Oklahoma adults, have diabetes.² Prediabetes, a condition where blood glucose levels are higher than normal but not yet high enough to be diagnosed as diabetes, affects more than one million Oklahomans; this is 33.9% of the state adult population.⁵



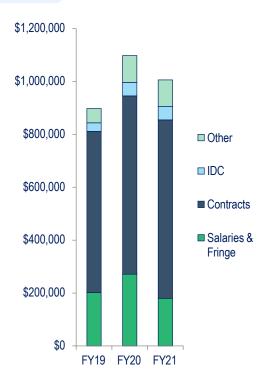
*Total reimbursement for services rendered by SoonerCare members with diabetes SFY2020 Source: Oklahoma Health Care Authority (2020). Diabetes Analysis, SFY 2019

SFISCAL IMPACT - STATE LEVEL

OSDH does not receive stateappropriated funding specifically designated for diabetes prevention or self-management programs.

Activities and strategies aimed at reducing the prevalence of diabetes and increasing self-management skills are funded through time-limited CDC cooperative agreement (CDC-RFA-DP18-1815 Category A).

The graphs depict CDC funding expenditures related to diabetes strategies for Oklahoma over the last two years (FY 2019 and FY 2020). Grant strategies were focused on implementing statewide and community level approaches to promote health and prevent and control chronic diseases in priority populations.



BARRIERS



COVID-19 has halted or delayed activities around reducing the prevalence of diabetes and increasing self-management skills.



DPP and DSMES program sites are temporally closed and groups are unable to meet in-person.



Strategies and protocols developed to increase referrals to DPP and DSMES programs sites are disrupted and stalled due to closed sites.

S FISCAL IMPACT - COUNTY LEVEL

The county health departments affiliated with the OSDH do not receive state allocated funding to support diabetes programs.

County health departments offer educational programs such as the <u>Diabetes</u> <u>Empowerment Education Program and Gateway</u> to develop self-management skills of persons with diabetes, and the Diabetes Prevention Program to reduce the prevalence of diabetes.

Federal grant funding supports a limited number of high prevalence counties with resources to address diabetes in their communities.

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There are 15 County Health
Departments (CHDs) that
reported* offering diabetes
programs.

BARRIERS



COVID-19 has occupied stafftime and causes programs totemporarily shut down





Attendance and participation are down





New hires are awaitingtraining that isindefinitelypostponed

^{*}Note: Data captured via Fiscal Impact of Diabetes Survey administered in Fall 2022. Due to COVID-19, survey response was low and is not comprehensive.

DIABETES PREVENTION PROGRAMS

BENEFITS¹⁰



58% reduction in conversion to Type 2



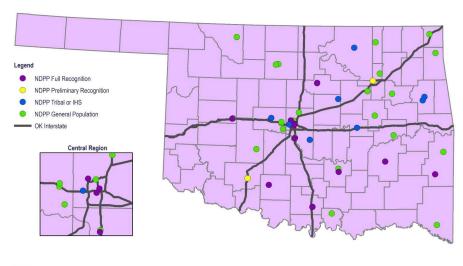
Improved health outcomes



Benefit beyond participant

It is estimated 15-30% of individuals with prediabetes will develop Type 2 diabetes within five years.⁵ Participation in a Diabetes Prevention Program (DPP) could reduce the incidence of diabetes through use of intensive diet and lifestyle counseling for individuals at high risk for developing diabetes.

NATIONAL DIABETES PREVENTION PROGRAMS (NDPP), 2020



Data Source:Oklahoma State Department of Health Geodatabase. Sites obtained form the CDC DPP website.

0 30 60 120 Miles Projection/Coordinate System: USGS Albers Equal Area Conic

Nickalmer: This map is a compilation of secords, information and date from vanid city, county and state offices and other sources, affecting the area shown, and is bed representation of the data available at the time. The map and data set but seed for reference purposes on.", The user acknowledges and accepts all inher instations of the map, including the fact that the data are dynamic and in a const state of maintenance. Created: 11.3.2020



DIABETES SELF-MANAGEMENT EDUCATION & SUPPORT PROGRAMS

BENEFITS¹¹⁻¹³

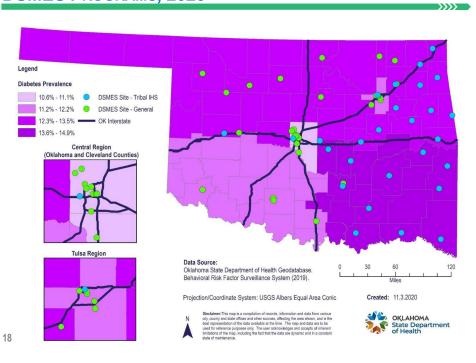
Improves control of blood glucose, blood pressure and cholesterol levels Each 1%
reduction in
HbA1c* reduces
risk of
complications by
40%

Lowers number of hospitalizations, length of stay, and inpatient costs

*Hemoglobin A1c (HbA1c) reflects how well an individual's diabetes is controlled

Diabetes Self-Management
Education and Support
(DSMES) and Diabetes
Self-Management
(DSMT) are often used
interchangeably.
Although DSMES is the
preferred term, CMS
requires the use of
DSMT in
reimbursement
documentation.

DSMES PROGRAMS, 2020



COLLABORATIVE EFFORTS



SoonerCare Providers

- Including primary care providers and registered dietitians regarding diabetes and obesity initiatives for SoonerCare members



DSMES Programs -

referral of SoonerCare members with diabetes or at high risk of

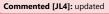
developing Type 2 diabetes



Legislative Diabetes

Caucus – chaired by Sen. Hicks and Rep. Dempsey, educating the public on diabetes

initiatives



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Commented [JL3]: Didn't notice this last time; people at risk for diabetes are not referred to DSMES programs





KEY PROGRESS AND UPDATES



DSMES services now available to members (1/1/20)



Improving access to and participation in DSMES programs in underserved areas



Continuous Glucose Monitoring made easily available through pharmacies (1/1/20)



Increasing engagement of **pharmacists** in the provision of medication management or DSMES for people with diabetes



DSMES services available via telehealth during emergency declaration



Implement systems to **identify** people with **prediabetes** and refer them to lifestyle change programs

ACTION PLANS

The process for improving the health of Oklahomans incorporates awareness, education and availability of programs. To reach populations at highest risk for development of chronic diseases, specifically diabetes, requires programs to be locally based, inclusive, culturally appropriate and sustainable.

All of the individual, community and health system elements must work together in shared responsibility. The sharing of ideas, resources and people between communities and health systems can improve clinical and population health. As a chronic disease, diabetes is not self-limiting but spans a lifetime. Biology, environment and social factors interact during an entire lifetime to influence health and disease in later life.

Interventions focused on preventing or delaying chronic diseases across the continuum must be implemented with a long-term perspective and sustained effort.

This action plan includes progress and updates on the **goals**, **objectives**, **benchmarks** and **activities** established in the 2019 Diabetes Legislative Report.

GOALS

OBJECTIVES

BENCHMARKS

ACTIVITIES

GOALS

1 TO REDUCE THE INCIDENCE RATES OF DIABETES



IMPROVE HEALTH CARE SERVICES FOR DIABETES



CONTROL COMPLICATIONS FROM DIABETES



ACTION PLAN PROGRESS

1 TO REDUCE THE INCIDENCE RATES OF DIABETES



- Adult Medical Nutrition Therapy (MNT) claims increased by 4.6%.
- On track to meet established target.



- Number of RD/LDs increased by 24%, increasing from 175 to 225 RD/LDs and exceeded 2020 target.
- · New objective established.



- Child MNT claims increased by 20%, exceeded 2020 target.
- New target established.

2 IMPROVE HEALTH CARE SERVICES FOR DIABETES





- Authority gained for DSMT. Implemented 1/1/20.
- New objective established.



PROGRESS

- HbA1c testing rates decreased slightly.
- Target maintained.



- Pediatric BMI claims increased by 11%, exceeded 2020 target.
- New target established.

3 CONTROL COMPLICATIONS FROM DIABETES





- Hospitalization admission rates slightly increased.
- Target maintained.



- Educated providers about the newly funded DSMT services in collaboration with partners.
- New objective established.



- DSMT benefit was implemented on 1/1/20.
- Target maintained.



TO REDUCE THE INCIDENCE RATES OF DIABETES

····· OBJECTIVES





Implement strategies within Oklahoma Medicaid to increase the utilization of MNT by SoonerCare members with prediabetes





Determine feasibility of adding coverage of Diabetes Prevention Program (DPP) as a SoonerCare benefit





Implement system changes to identify and refer SoonerCare pediatric populations at high risk for developing Type 2 diabetes to education programs

BENCHMARKS



Increase by 10% the number of SoonerCare members with a paid claim for MNT



If determined feasible, initiate actions to add DPP as a covered service



Increase by 10% the number of SoonerCare pediatric members with a paid claim for MNT



24,287 MNT units



No DPP coverage



Baseline (2015) 4,756 MNT units



25,455 MNT units



No DPP coverage



5,960 MNT units



5 Year Target (2020) 26,716 MNT units



1 Year Target (2020)
DPP
coverage

5 Year Target (2020) 6,556 MNT units

Target Population

OHCA SoonerCare members 19 years and older

Target Population

OHCA SoonerCare members 19 years and older

Target Population

OHCA SoonerCare pediatric population (0 years – 18 years)

Commented [JL5]: Needs assessment and implementation delayed until RFPs are awarded



TO REDUCE THE INCIDENCE RATES OF DIABETES

KEY ACTIVITIES



Collaborate with providers (PCPs and RDs/LDs) to implement strategies that improve the referral process for MNT

Collaborate with OHCA's Health Care Systems Innovation (HCSI) team to identify and refer patients to MNT





Collaborate with HCSI to implement strategies to increase the number RDs/LDs contracted with OHCA



Collaborate with HCSI to implement strategies that improve identification and referral of population

OSDH will collaborate with WIC programs to identify children with elevated BMIs





CHDs will
utilize RDs/LDs
to offer MNT to
the SoonerCar
e pediatric
population

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IMPROVE HEALTH CARE SERVICES FOR DIABETES

····· OBJECTIVES





Develop strategies for improving health care services for diabetes for SoonerCare members





Increase the number of annual HbA1c tests for members with diagnosis of diabetes



Improve diabetes care for pediatric members with elevated BMIs

BENCHMARKS



Increase strategies for improving health care for diabetes for SoonerCare members



Increase by 5% the number of SoonerCare members with diabetes receiving annual HbA1c testing



Increase by 5% the number of SoonerCare pediatric member claims with BMIs documented by providers



Baseline (2019)

0

strategies



Paseline (2015)
72.2%
members



26,353 children



Ourrent Value (2019)
Strategies



71.6% members



29,332 children



1 Year Target (2020)
2
strategies



5 Year Target (2020) 75.8% members



5 Year Target (2020) 30,800 children

Target Population

OHCA SoonerCare members with diabetes (19 years- 75 years)

Target Population

OHCA SoonerCare members with diabetes (19 years- 75 years)

Target Population

OHCA SoonerCare pediatric population (0 years – 18 years)



IMPROVE HEALTH CARE SERVICES FOR DIABETES

KEY ACTIVITIES -



Collaborate with the Diabetes Caucus for information on statewide initiatives and priorities for improving diabetes services

Collaborate with the HCSI, OHCA pharmacy and medical divisions, to identify and prioritize strategies for improving diabetes services



initiatives and strategies are identified, work with OHCA divisions and other relevant entities to implement strategies

If new



Collaborate with providers to develop strategies in support of annual HbA1c testing for members with diabetes

Collaborate with HCSI to provide or coordinate training for clinicians on CMS and HEDIS quality measures on comprehensive diabetes care





Collaborate with HCSI to provide or coordinate education for clinicians on screening and referring SoonerCare children with elevated BMIs to appropriate programs (i.e. medical nutrition therapy)





CONTROL COMPLICATIONS FROM DIABETES

····· OBJECTIVES ·····





Develop strategies to increase awareness of and access to DSMES services





Increase the number of **DSMES** providers and programs enrolled as diabetes educators with Medicaid



Implement strategies to increase participation of SoonerCare members with diabetes in recognized and accredited DSMT programs, when funded

BENCHMARKS



Decrease hospital admission rates for short-term complications related to diabetes by 2%



Increase by 100% the number of DSMES providers



Increase by 100% the number of SoonerCare members with diabetes who have attended DSMES



Baseline (2015) 28.24 / 100,000 member months



Baseline (2019) providers



Baseline (2015) members



Current Value (2018) 32.22 / 100,000 member months



Current Value (2019) 3 providers

1 Year Target (2020)

providers



Current Value (2019) members



5 Year Target (2020) 27.68 / 100,000 member months

Target Population

OHCA SoonerCare members with

diabetes 19 - 64 years

Target Population

OHCA SoonerCare contracted clinicians (MD, DO, PA, ARNP, etc.)



5 Year Target (2020)

2,100 members

Target Population

OHCA SoonerCare members ages 19 years and older with Type 2 diabetes

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CONTROL COMPLICATIONS FROM DIABETES

KEY ACTIVITIES -



with the HCSI and OHCA pharmacy division, as well the Diabetes Caucus and DSMES providers to identify barriers to DSMES services

Collaborate

Educate providers on SoonerCare DSMES services and referral

processes





Collaborate
with the
Diabetes
Caucus on
initiatives
focused
increasing the
availability of
DSMES
services

Collaborate
with HCSI to
educate
DSMES
programs
about the
Medicaid
enrollment
process and
coverage for
DSMES
services



Collaborate
with HCSI team
to provide
education and
outreach to
SoonerCare
members with
diabetes on the
benefits of
attending
DSMES
services

Collaborate with the Diabetes Caucus and other entities to develop strategies to help educate SoonerCare members about DSMES services



DETAILED BUDGET - OHCA AND OSDH

Oklahoma statute (63 O.S. §7301) requires the Oklahoma Health Care Authority (OHCA) and the Oklahoma State Department of Health (OSDH) to develop a detailed budget blueprint identifying **needs**, **costs** and **resources** required to achieve the **goals** and to reach projected benchmarks.

GOAL 1

· Reduce the incidence rates of diabetes



GOAL 2

• Improve health care services for diabetes



GOAL 3

• Control complications from diabetes



NEEDS

 Oklahomans face a higher than national average incidence of diabetes. Identifying barriers to care and providing education programs on lifestyle change behaviors and self-management skills are critical in decreasing prevalence, mortality and morbidity.

GOAL 1: REDUCE INCIDENCE OF DIABETES

BENCHMARKS

- 1. Increase by 10% the number of SoonerCare members with a paid claim for medical nutrition therapy (MNT).
- 2. If determined feasible, initiate actions to add DPP as a covered service.
- 3. Increase by 10% the number of SoonerCare pediatric members with a paid claim for MNT.

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Cost

- Recruitment and training of providers and education and outreach to SoonerCare members for MNT services.
- Data reporting.
- OHCA staff time and effort to research and implement DPP as a service projected cost \$445,000.
- Training of providers for MNT services.

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RESOURCES

- OHCA Health Care Systems Innovation (HCSI) team
- Data Management Systems
- OHCA contracted Registered/Licensed Dietitians (RD/LD)
- OSDH

GOAL 2: IMPROVE HEALTHCARE SERVICES



BENCHMARKS

- 1. Increase strategies for improving health care for diabetes for SoonerCare members.
- 2. Increase by 5% the number of SoonerCare members with diabetes receiving annual HbA1c testing.
- 3. Increase by 5% the number of SoonerCare pediatric member claims with BMIs documented by providers.

Cost

- OHCA staff time and effort collaborating with internal and external entities.
- Training of providers on screening and referral for MNT.
- · Data reporting.

RESOURCES

- OHCA's HCSI Team
- Pharmacy and medical divisions
- Diabetes Caucus
- Data Management Systems

GOAL 3: CONTROL COMPLICATIONS



BENCHMARKS

- 1. Decrease hospital admission rates for short-term complications related to diabetes by 2%.
- 2. Increase by 100% the number of DSMES providers.
- 3. Increase by 100% the number of SoonerCare members with diabetes who have attended DSMES services.

Cost

- OHCA staff time and effort collaborating with community partners.
- Training of providers in DSMES services.
- Recruitment and training for DSMES providers and programs.
- Education and outreach to SoonerCare members on DSMES services.

RESOURCES

- OHCA's HCSI Team
- Pharmacy
- Diabetes Caucus
- Data Management Systems

REFERENCES

- Oklahoma State Department of Health, Center for Health Statistics, Health Care Information. (2018). Vital Statistics. Available at http://www.health.ok.gov/ok2share.
- Centers for Disease Control and Prevention. (2019). Behavioral Risk Factor Surveillance System. Available at https://www.cdc.gov/brfss/brfssprevalence/index.html
- 3. Oklahoma Health Care Authority (2020). Diabetes Analysis, SFY 2019.
- American Diabetes Association (2018). Economic Costs of Diabetes in the U.S. in 2017. Diabetes Care; 41(5): 917-928. Available from http://care.diabetesjournals.org/content/41/5/917.
- Centers for Disease Control and Prevention (2020). National Diabetes Statistics Report.
- Centers for Disease Control and Prevention. Diabetes at Work, Diabetes Prevention, Diabetes at Work. Available at https://www.cdc.gov/diabetes/diabetesatwork/diabetesbasics/prevention.html
- 7. Diabetes Education Online (2018). University of California, San Francisco.
- 8. U.S. Department of Health and Human Services, Public Health Service, Office of the Surgeon General. (2014). The health consequences of smoking--50 years of progress: A report of the Surgeon General.
- 9. American Diabetes Association. Living with Diabetes, Complications, Stroke. Available at http://www.diabetes.org/living-with-diabetes/complications/stroke.html
- 10. Diabetes Caucus Interim Study (2017). Diabetes Landscape in Oklahoma.
- 11. American Association of Diabetes Educators. Benefits of Diabetes Education. Available at https://www.diabeteseducator.org/practice/provider-resources/benefits-of-diabetes-education
- 12. Centers for Disease Control and Prevention (2011). National Diabetes Fact Sheet. Available at https://www.cdc.gov/diabetes/pubs/pdf/ndfs_2011.pdf
- 13. Robbins, JM, et al. (2008). The urban diabetes study. Diabetes Care. 2008;31(4):655-60

