



Diabetes Education Models

Finding a Structure for You

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Diabetes Prevalence

1 of every 10 adults in South Dakota has diabetes diagnosis¹

- 1 of every 5 adults \geq age 65

30-35% of adult population in South Dakota is obese²

15% of children in South Dakota are obese²

.... \geq 85% of persons with type 2 diabetes are obese³

1. CDC Diabetes State Burden Toolkit, 2013
2. CDC Obesity Prevalence Maps, 2018
3. Harvard Business Review, 2016

Diabetes Prevalence



30% of adult population obese



13% of adult population obese

1. CDC Diabetes State Burden Toolkit, 2013
2. CDC Obesity Prevalence Maps, 2018

Economic Impact

Annual Spend per Person	
Diabetes ^{1, 2}	Healthy Person ²
\$17,200	\$2,300

1. CDC Diabetes State Burden Toolkit, 2013

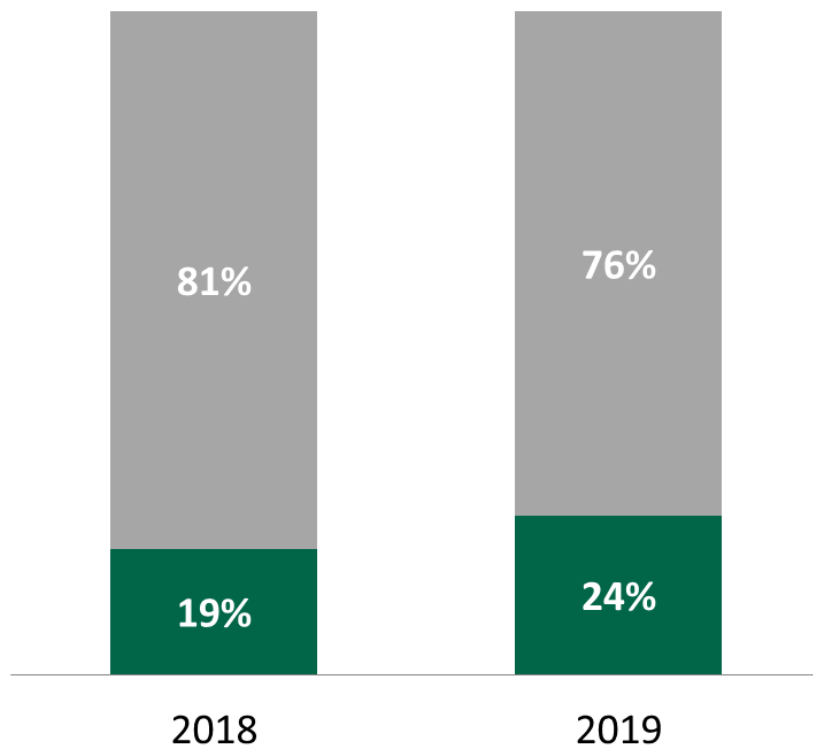
2. CMS Claim and Claim Line Feed File Data. August 16, 2019. Via Avera IT Novum Reports

Economic Impact

Population Condition Prevalence¹

Medicare ACO

■ No Conditions ■ ≥ 1 Condition



Annual Spend per Person²

	No Conditions	≥ 1 Condition
2018	\$2,370	\$13,100
2019	\$2,360	\$13,200

1. CMS Beneficiary Assignment Summary Report. April 16, 2019. Via Avera IT Novum Reports

2. CMS Claim and Claim Line Feed File Data. August 16, 2019. Via Avera IT Novum Reports

Diabetes Management Models



- Education
- Incentives
- Improved Access
- Follow-Up

Nebraska Advance Practice Provider – Access to Diabetes Education

Sioux Falls Advance Practice Provider – Access to Diabetes Education

Diabetic Healthy Living – Patient Incentive Program

Formal Diabetes Education Centers

Education and reference material for providers and care teams

Advance Practice Providers



Access to Diabetes Education

Overview

Patients Compliance at 100%	6	HGBA1c	171/219	78.08%	Pass Requirements BP - Must be lower than 140/90 Statin Therapy - Must be used, or qualify for exclusion Eye Exam - Must be performed every year HGBA1c - Must be lower than or equal to 8 UMA - Must be performed within past year, or an ACE or ARB drug must be active	Maroon - Not Performed (Fail) Yellow - Needs Evaluation Within 60 Days (Pass) Orange - Measure Not Within Acceptable Range (Fail) Blank - Not applicable White - Passing
Care Opportunities	482	Statin	69/104	31.51%		
Total Patients	219	BP	137/219	62.56%		
Total Patients w/ Visit Sched	130	UMA	184/219	84.02%		
Overall Compliance	2.7%	Eye Exam	52/219	23.74%		

		Provider	Last Visit	Next Visit	Blood Pressure	Statin Therapy	HGBA1c	UMA	Eye Exam
Primary Insurance: MEDICARE	60%	Attributed Provider:	8/27/2019 11:00:00 AM	9/17/2019 10:00:00 AM	104/65 8/27/2019	Pass (Active Statin Therapy)	8.8 6/13/2019	5/15/2018 ACE Therapy: N ARB Therapy: N	8/27/2019
WELLMARK BCBS SOUTH DAKOTA 141	100%	Attributed Provider:	11/13/2018 1:00:00 PM		119/81 9/20/2018	Free Pass (Normal LDL)	7.0 8/28/2019	12/12/2018 ACE Therapy: N ARB Therapy: N	8/23/2019
Primary Insurance: AVERA HEALTH PLAN UMR	75%	Attributed Provider:	7/23/2019 1:05:00 PM	9/20/2019 11:20:00 AM	120/78 6/28/2019	Free Pass (Normal LDL)	11.9 6/28/2019	6/28/2019 ACE Therapy: N ARB Therapy: N	7/23/2019

Nebraska & Sioux Falls

Advance Practice Providers

Advanced education in diabetes management

2-3 visits with APP over 3 months

Directed by PCP

Nebraska Model of Care

- Identification of need
- Standardization of Midlevel Provider education/materials used and visit components
- Visit construction – time spent with patient/visit numbers/content
- Referral from Primary Care associates – no management without consent
- Location of education limited to the clinic during office hours

Sioux Falls Model of Education

- Identification of need
- Primary Care referral
- Standardized visit materials/individualized content based on need/informal
- Visits 1-3 times/setting usually within the Primary Care clinic/Fluid scheduling and location if needed
- No management with consultation with Primary Provider
- Follow up with each by phone
- Flexibility in time and place of education

Diabetic Healthy Living – Spencer, IA



Spencer, Iowa Model of Education

- Collaborative with hospital and clinic
- Medicare ACO population only
- Selected participants >8 A1C
- Incentive on the original plan – limitations to incentive based on payer
- Primary purpose was engagement of the patient and relationship development with provider and staff members
- Punch card set up to allow 6-8 months to complete
- Persistent and maintained improvement in measures

Diabetic Healthy Living – Spencer, IA



DIABETIC HEALTHY LIVING

The best way to manage your diabetes
is to lead a healthy lifestyle.



Incentive Program

- One punch = \$10 HyVee gift card
- One punch per visit
- One punch card per year

COMPLETE
ALL OF THESE
PUNCHES
WITHIN 12
MONTHS.
EARN PRIZES
WITH EVERY
PUNCH!

18-AMIGI-0030

Use a blood sugar log **1**
COMPLETION DATE _____

Schedule and attend doctor visit **2**
COMPLETION DATE _____

Schedule and attend doctor visit **3**
COMPLETION DATE _____

Meet with diabetic educator **4**
COMPLETION DATE _____

Schedule and attend eye appointment **5**
COMPLETION DATE _____

Education & Support



Provider education and support

[illegible]

Patient education



Results



Diabetic Healthy Living (Patient Incentive Program)

100 persons

1.9 average A1c improvement

91% improved A1c

79% converted to controlled

\$3,154 reduction in TCOC

+51% increased to DM education visits

UPDATE...12 months post start of program 88% converted to controlled and remain so today

Advance Practice Providers

150 persons

1.8 average A1c improvement

83% improved A1c

69% converted to controlled

Diabetes Management Models

JUST DO SOMETHING!!!!