

Virta Reversal Services OPEH&W Health Plan August 22, 2025

What is Virta?

Reversal care: Virta is a virtual clinic for reversing:

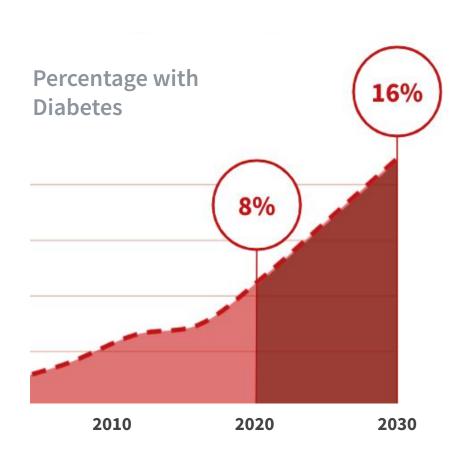
- Obesity & overweight
- Type 2 diabetes
- Prediabetes

We address the root cause of these conditions through nutrition & clinician-led care.

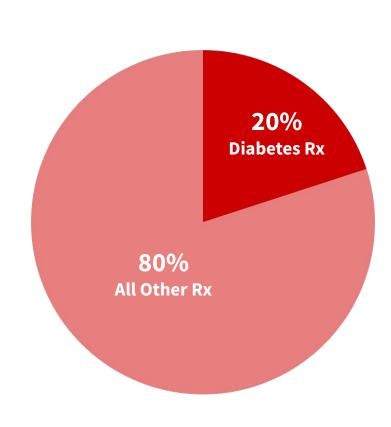
Outcomes for all: Virta addresses each member's unique biochemistry and SDOH, making behavior change rapid and sustainable. 100% at risk for meaningful results.



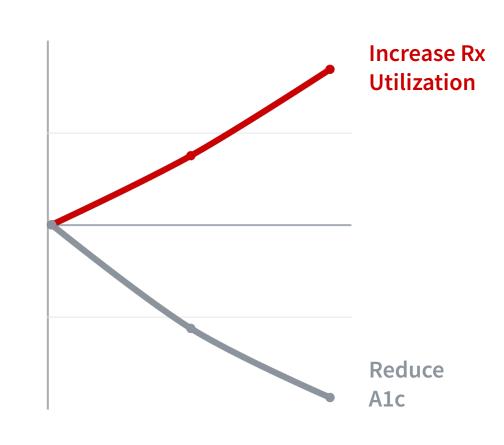
The Diabetes Epidemic is growing and cost is increasing



Diabetes prevalence is doubling nearly every decade ¹



Diabetes drugs are a top 3 Rx cost driver in the US²



Diabetes management does nothing to address prevalence or Rx cost ³

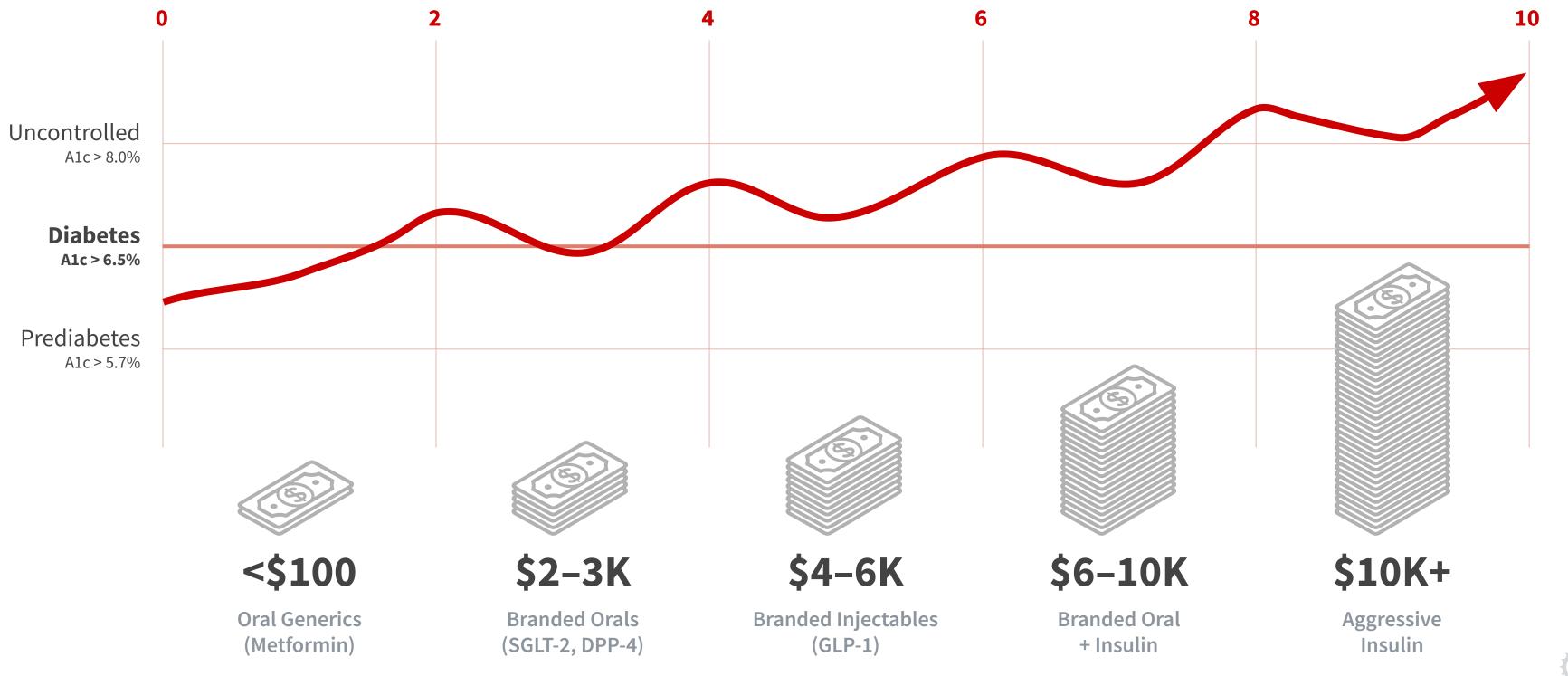


^{1.} CDC. Long Term Trends in Diabetes. April 2017; Rowley, WR et al, Diabetes 2030: Insights from Yesterday, Today, and Future Trends. Population Health Management. 2017 Feb 1; 20(1): 6-12.

^{2.} Taylor, S. Diabetes Care 2020;43(10):2330–2332

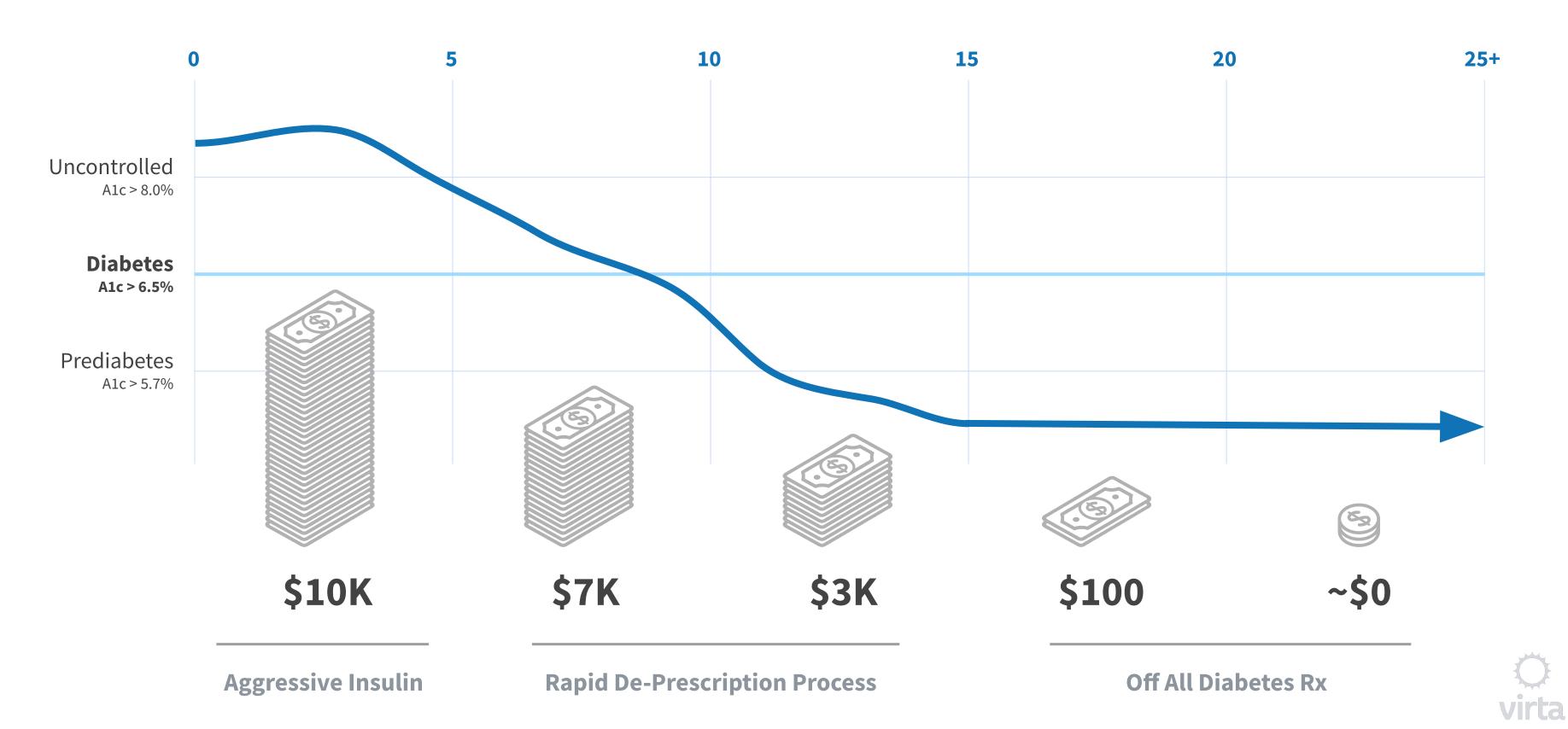
^{3.} National Institutes of Health, National Institute of Diabetes and Digestive and Kidney Diseases. Managing Diabetes. December 2016

Years in Diabetes Management





Weeks in Diabetes Reversal



Virta's impact on 100% of diabetes patients at 1 year





The difference between diabetes reversal vs. management

	Standard Care ¹ One Year Completers	Diabetes Management	Virta ¹ One Year Completers
A1c	0.2	0.6 ² One year completers	1.3
Rx	7%	3% ³ Increase in medication utilization	59 %
Weight Loss	0 lbs	1 lb ⁴ 12 week completers	31 lbs

^{1.} Hallberg SJ et al. Diabetes Ther. 2018; 9(2): 583-612. Outcomes among one year completers (83% retention in Virta Treatment; 90% retention in Standard Care). Rx refers to the net change in diabetes-specific prescription volume at one year (which excludes metformin) compared to baseline and multiple insulins prescribed to a patient were counted as one rx.

2. Bollyky JB et al. JMIR Diabetes. 2019; 4, e14799 (Outcomes among one year completers (44% retention in Livongo).



^{3.} Diabetes-related prescription utilization according to five-client, two-year DiD analysis (slide 34). Livongo presentation at EBPA 2018. https://www.ebpa.org/resources/presentations/2018/Livongo_EBPA_20SEP2018.pdf

^{4.}Bollyky JB et al. J Diabetes Res. 2018; 3961730. (Outcomes at 12 weeks for Livongo + scale group).

Virta is additive to the patient's existing care team, reporting progress

Virta doesn't require any additional work from PCP

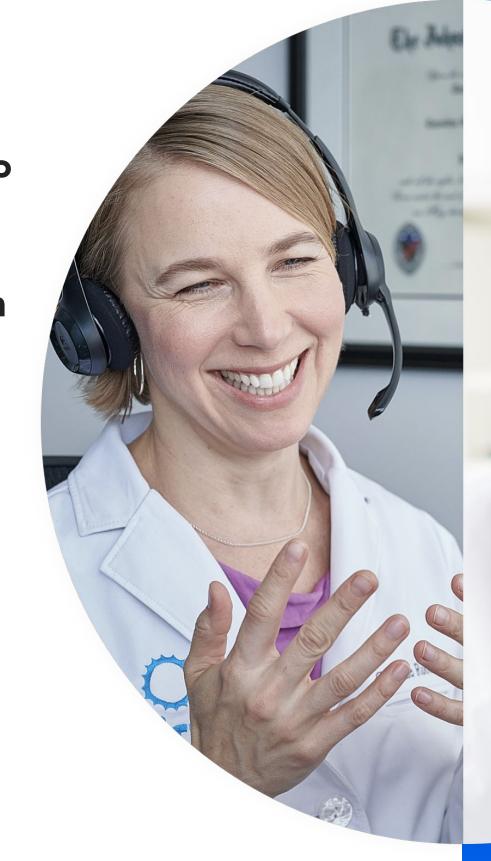
Focused on metabolic disease reversal, elimination of Rx

- Virta manages diabetes-specific medications
- PCP maintains relationship, managing comorbidities
- Provider to Provider consultation (as requested)

Virta Reporting to PCPs

Virta faxes PCP when patient milestones are reached:

- Patient enrollment
- 14 days post-enrollment
- Rx deprescriptions
- Patient release





Member experience: Enrollment









Marketing & Enrollment

Virta and customer align on plan for multi-channel marketing campaign, eligibility checking, and enrollment

Intro to Clinical Team

Virta clinical team runs a clinical intake call to take patients medical history and ensure readiness for care

Medical Equipment and Supplies

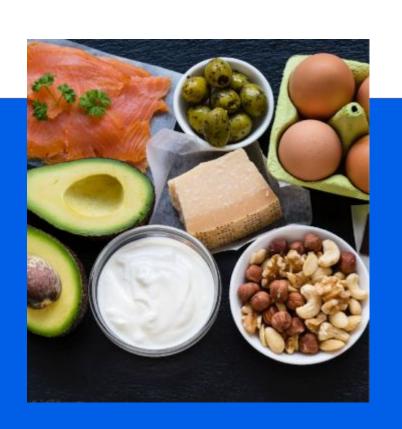
Virta delivers remote monitoring equipment, including connected scale, testing strips, and reading materials

Guided Education Curriculum

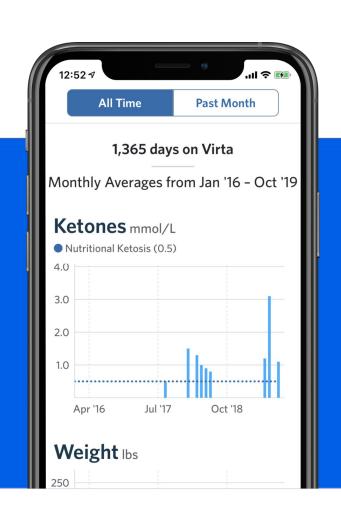
Patients review easy-to-understand video and written e-learning resources that prepare them for care

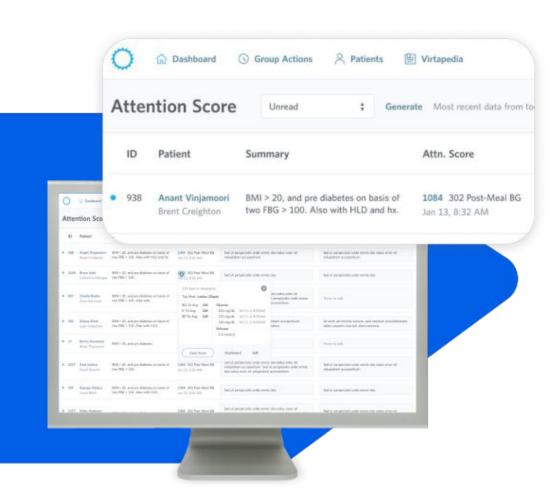


Member experience: Clinical care









Nutritional changes

Patients engage in personalized carbohydrate restriction. Encouraged to eat until full; no calorie counting

Health Coaching

Patients engage in frequent chats with dedicated health coach team, with near daily interactions, tailored to the patient's preferences

Biomarker Logging

Patients track ketones, weight, and subjective factors such as mood and hunger

Provider-led Deprescription

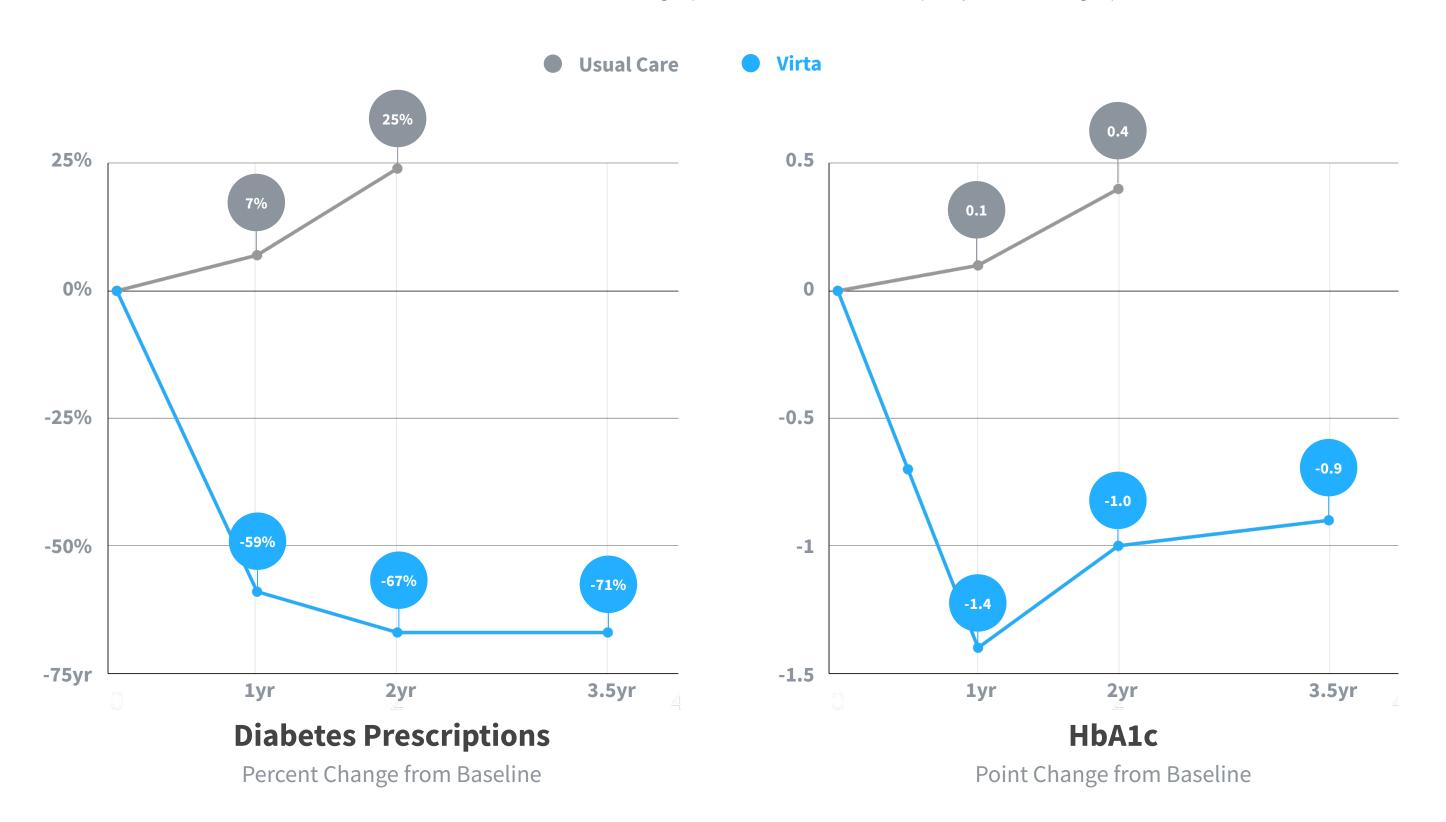
Providers monitor patient biomarkers and focus on safe medication deprescription – getting people off of costly drugs like insulin or GLP-1s

^{*} Providers = physicians & nurse practitioners



Sustained outcomes at 3.5 years

Note: Year 0-2 data came from clinical trial with control group. Year 2+ data came from follow-up study without control group.





Virta's published results show rapid and sustained improvement

	10 Weeks	1 Year	2 Years	3.5 Years
A1c Reduction (Points)	1.0	1.3	0.9	0.6
Diabetes-specific medications eliminated (%)	57%	63%	67%	71%
Weight Loss (%)	7%	12%	12%	9%

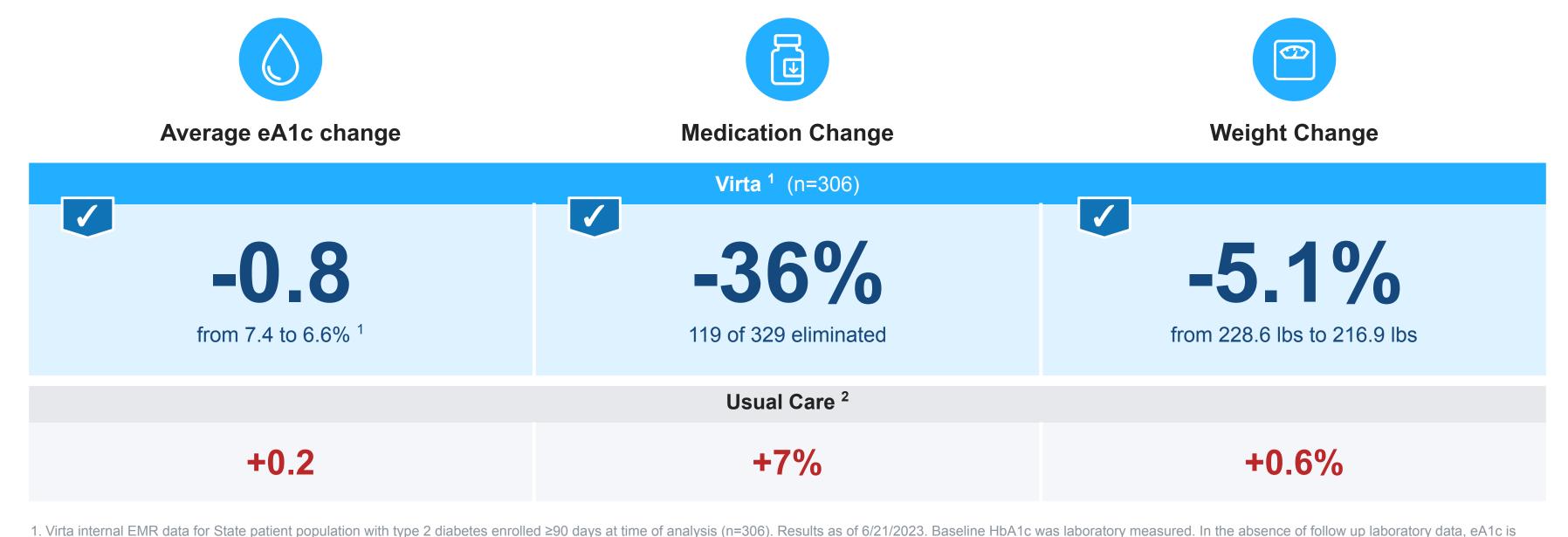


Virta improves metabolic health beyond T2D over 2 years

		Standard Care	Virta
	A1c (%)	0.5	0.9
Metabolic Disease	Weight	5%	12%
	HOMA-IR	49%	32%
Inflammation	hsCRP	13%	35%
Cardiovascular	Systolic Blood Pressure	0%	5 %
	Diastolic Blood Pressure	0%	4%
	Triglycerides	12%	22%
Liver	NAFLD: Liver Fat Score	20%	74 %
Liver	NAFLD: Fibrosis Score	75%	71%
Kidney Function	Annual Rate of eGFR change	-0.68	0.84
Medication Changes	Patients on Diabetes-Specific Meds	18%	52 %
	Patients on Insulin	18%	62 %
	Patients on Blood Pressure Meds	11%	14%



State members see sustained clinical improvements at 90 days on Virta

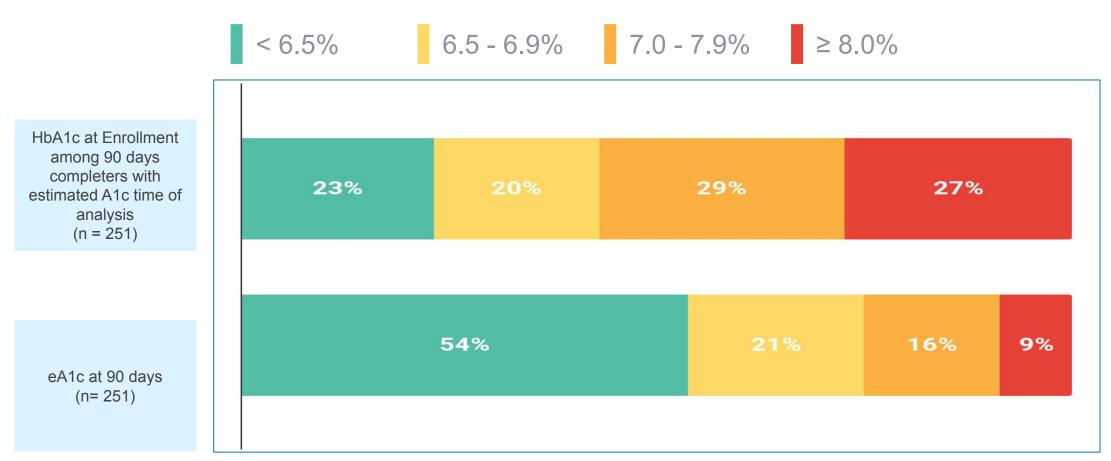


derived from a proprietary model which estimates A1c on each day based on baseline information and actual biomarker data recorded on each patient in the last 120 days. The median absolute error is 0.23. 26 patients do not have a calculated estimated A1c on the given day of measurement. Medication data includes all diabetes-related medication other than metformin. Patients prescribed multiple drugs within the same class are counted as one prescription and only considered eliminated when both drugs are de-prescribed.



^{2.} Hallberg et al. Diabetes Ther. 2018; 9(2): 583-612. Outcomes among one year completers. Metformin is excluded from diabetes-specific medications.

State patients are improving their blood sugar and eliminating diabetes-specific medications



Virta internal EMR data for State patient population with type 2 diabetes enrolled ≥90 days at time of analysis (n=306). Results as of 6/21/2023. Baseline HbA1c was laboratory measured. In the absence of follow up laboratory data, eA1c is derived from a proprietary model which estimates A1c on each day based on baseline information and actual biomarker data recorded on each patient in the last 120 days. The median absolute error is 0.23. 26 patients do not have a calculated estimated A1c on the given day of measurement. Medication data includes all diabetes-related medication other than metformin. Patients prescribed multiple drugs within the same class are counted as one prescription and only considered eliminated when both drugs are de-prescribed.

Medication Change

-36%

119 of 329 of diabetes-specific medications eliminated

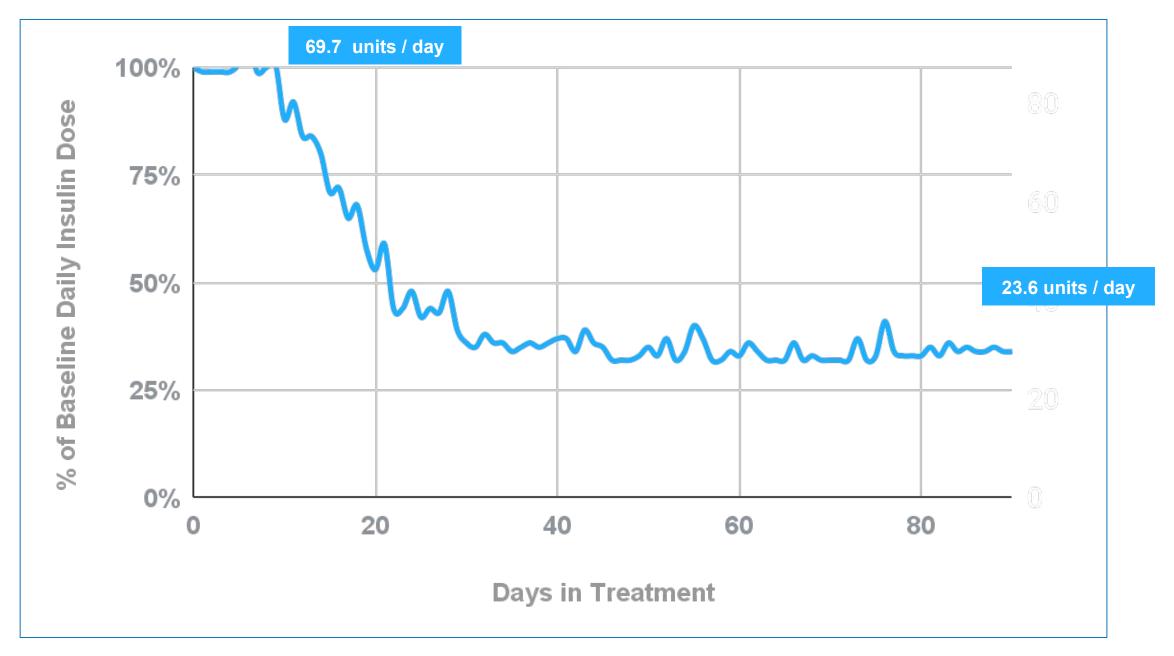
Usual Care: **7% increase** in T2D meds



TYPE 2 DIABETES REVERSAL

State patients have reduced their insulin dosages by 66%, or 46 units/day

Usual Care: 16% increase in insulin ²



- 1. Virta internal EMR data for State patient population with type 2 diabetes enrolled ≥90 days at time of analysis (n=306). Results as of 6/21/2023.
- 2. Hallberg et al. Diabetes Ther. 2018; 9(2): 583-612. Outcomes among one year completers.

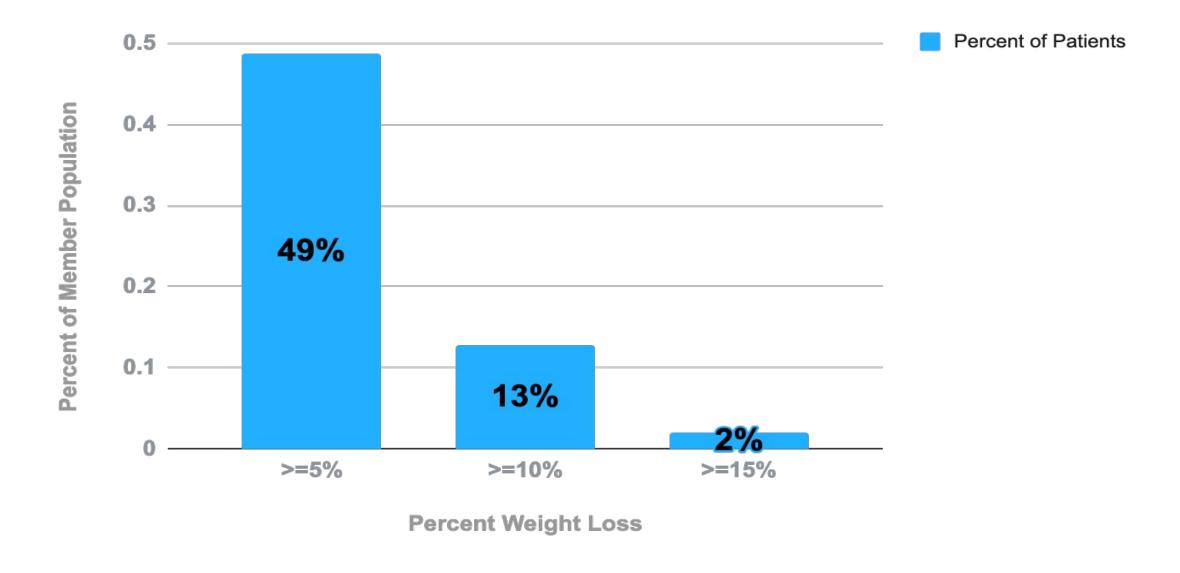
Reducing insulin improves quality of life for patients

Such a blessing to have this program! In just a couple of weeks my average glucose levels have dropped into a range that I haven't seen in years. I'm down to 20 units of insulin a day and no longer taking any other diabetic medications. Thank you for supporting me and this program!!

- Virta Patient

49% of State patients with type 2 diabetes have achieved clinically significant weight loss

Usual Care: 2 lbs Weight Gain ²



^{1.} Virta internal EMR data for State patient population with type 2 diabetes enrolled ≥90 days at time of analysis (n=306). Results as of 6/21/2023. In the case of missing weight data, a 3-day average was carried forward until the next weight was logged.

Patients who lose clinically significant amount of weight (5%) typically experience:

- ✓ Better sleep
- Reduced inflammation
- ✓ Improved blood pressure
- ✓ Reduced risk of heart disease and other chronic conditions
- ✓ Positive impacts on arthritis and fatty liver disease

^{2.} Hallberg SJ et al. Diabetes Ther. 2018; 9(2): 583-612. Outcomes among one year completers.

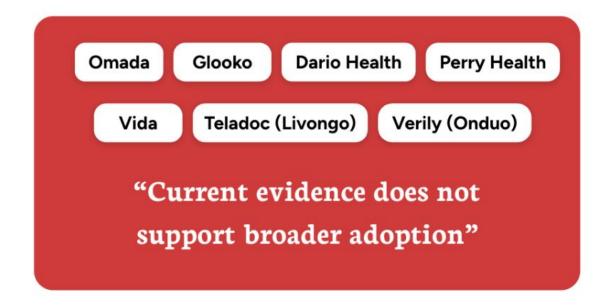
Virta is the only diabetes program in the market that saves more than it costs:

Peterson Health Technology Institute identifies Virta as the only solution recommended for adoption

🔘 virta

"Evidence supports broader adoption with ongoing evidence generation"

- ✓ Achieves statistically significant diabetes reductions (1.3% pt HbA1c)
- ✓ Superior results in secondary health effects (weight loss, cholesterol, liver profiles)
- ✓ Initial net increase in spend with potential for long term savings due to lower Rx spending



- Does not achieve statistically significant diabetes reductions (<0.5% pt HbA1c)</p>
- X No significant changes in secondary health effects
- Net increase in spending but no potential for long term savings - current solutions pricing exceeds cost savings from avoided care





2026 Pricing**



Safely deprescribe diabetes medications and return blood sugar to subdiabetic levels

\$290 PPPM

Compared to \$601 costs avoided per month per participant

100% fees at risk for A1c reduction, Rx cost reduction, & weight loss for the obese population in 1st year of contract

ontract

Add On: Diabetes Management
Log blood sugar and provide app-based educational content

\$93 PPPM



Prediabetes Reversal

Return blood sugar to subprediabetic levels and deliver clinically significant weight loss

\$180 PPPM

Compared to \$364 costs avoided per month per participant

100% fees at risk for weight loss for obese population in 1st year of contract



Obesity Reversal

Deliver clinically significant weight loss for patients struggling with obesity

\$180рррм

Compared to \$334 costs avoided per month per participant

100% fees at risk for weight loss for obese population in 1st year of contract

Virta Cost Savings Analysis: OPEH&W

Projections based on 8,000 total covered lives and State prevalence rates

Eligible Condition
Prevalence (% Eligible) Projected Virta Enrollment Number Enrolled
Total Gross Savings Cost of Virta Net Savings ROI

Net Savings at 2 years

ROI at 2 years

T2D Reversal		Diabetes Management		Sustainable Weight Loss		
Type 2 [Type 2 Diabetes		Type 1 and Type 2 Diabetes		Obesity / Overweight / Prediabetes (Excludes Type 2 Diabetes)	
12	12%		12%		75%	
15	15%		15%		5%	
14	149		149		300	
Year 1	Year 2	Year 1	Year 2	Year 1	Year 2	
\$885,000	\$1,262,000	\$177,000	\$177,000	\$925,000	\$1,005,000	
\$518,000	\$518,000	\$166,000	\$166,000	\$647,000	\$647,000	
\$367,000	\$744,000	\$11,000	\$11,000	\$278,000	\$358,000	
1.7	2.4	1.1	1.1	1.4	1.6	
\$1,111,000		\$22,000		\$636,000		
2.1		1.1		1.5		

	Virta Virta		
	Year 1	Year 2	
Total Gross Savings	\$1,987,000	\$2,444,000	
Cost of Virta	\$1,331,000	\$1,331,000	
Net Savings	\$656,000	\$1,113,000	
ROI	1.5	1.8	
Net Savings at 2 years	\$1,769,000		
ROI at 2 years	1.7		

Virta delivers
incremental
\$10,000+ pp in
"soft savings" over
2 years

\$1,150

Estimated Patient Out of Pocket Savings

Average estimated savings for Virta patients starting on Rx other than metformin and T2D medication deprescription over 2 years. Actual savings will vary depending on baseline medication usage.

\$5,500

Estimated Value of Services Included with Virta

Two-year estimate based on annualized payor cost for services that Virta provides, such as remote monitoring and provider interaction²

\$3,650

Estimated Value of Reduction in Absenteeism

Calculated from productivity gains over 2 years, associated with improved HbA1c³

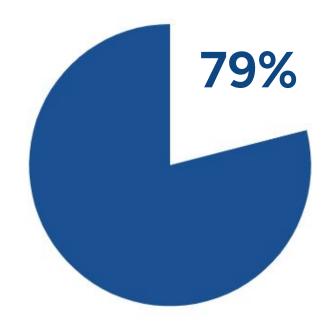
Virta Health Actuarial Model available upon request

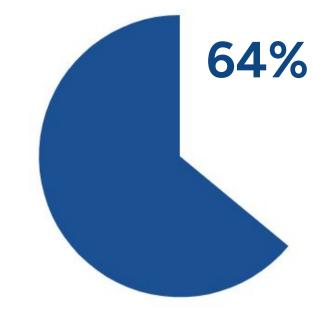
- 1. Savings estimated for patients who start on T2D medication other than metformin.
- 2. Internal estimates used for illustrative purposes. Actual services provided vary by patient depending on level of care needed.
- 3. Baseline HbA1c was laboratory measured. In the absence of follow up laboratory data, eA1c is derived from a proprietary model which estimates A1c on each day based on baseline information and actual biomarker data recorded on each patient in the last 120 days. The median absolute error is 0.23. 2017-18 NHANES data is used to for linkage between A1c and limitation to work.

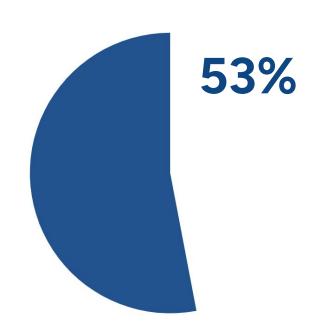


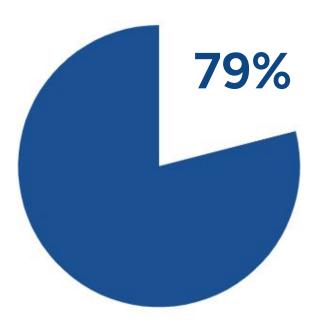
Virta members report improved energy and reduced absenteeism as side benefits of Virta

From a survey of Virta members with over 1200 respondents:









Report having more energy on Virta

Report feeling more productive at work

Take **fewer days off** due to health
reasons

Feel valued as an employee because their company offers Virta

Virta delivers estimated \$1.5+ million in "soft savings" over 2 years for your population

\$10,300

per person "soft savings" estimated over 2 years

X

149 members

estimated members enrolled in Virta over 2 years*

\$1.5+ million

estimated gross "soft savings" generated over 2 years

"My focus and energy toward my work have also increased my productivity; I am able to accomplish more each day." - Current Virta Patient

