Nascate

Value-based success, informed by *life*.

Analysis of Diabetes Complications and Control

Nascate QE Public Report

About Nascate

Nascate is a data services and technology company that leverages unique analytics and relevant insights to help payers and providers navigate modern challenges and opportunities and achieve sustainable value-based care.

Founded in 2016, our dedicated team of healthcare experts, data scientists, and applied AI specialists are focused on understanding the interconnections among consumers, providers and health plans. Our unique perspective is driven by analyzing consumer and provider behavior over time, to develop a comprehensive understanding of the factors impacting a person's engagement with the healthcare system.

We've developed applied data science models that can graph, measure, and quantify the important relationships in healthcare that impact outcomes (provider-to-patient, and provider-to-provider). Insight into these key connections, paired with a complete 360-degree view of how members behave (utilization patterns) and providers behave (referral patterns) delivers valuable, timely intelligence that informs value-based principles like attribution, network management, and person-targeted actions.

Nascate produced this report as part of our participation in the CMS Qualified Entity Program.

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Analysis of Diabetes Complications and Control

Public Quality Measure Report: Comprehensive Diabetes Care: Hemoglobin A1c (HbA1c) Poor Control (>9.0%)

Measure Description: The percentage of patients 18-75 years of age with diabetes (type 1 and type 2) whose most recent HbA1c level is > 9.0% during the measurement year.

Background

Nascate analyzed the measure Comprehensive Diabetes Care: Hemoglobin A1c (HbA1c) Poor Control (>9.0%) in Iowa, South Dakota, and a subset of NY counties. This measure was developed, and is maintained, by the National Committee for Quality Assurance (NCQA).

Data and Methodology

This report uses a combination of Medicare fee-for-service data and Commercial Payer data which includes traditional Commercial, Medicare Advantage, and managed Medicaid lines of business.

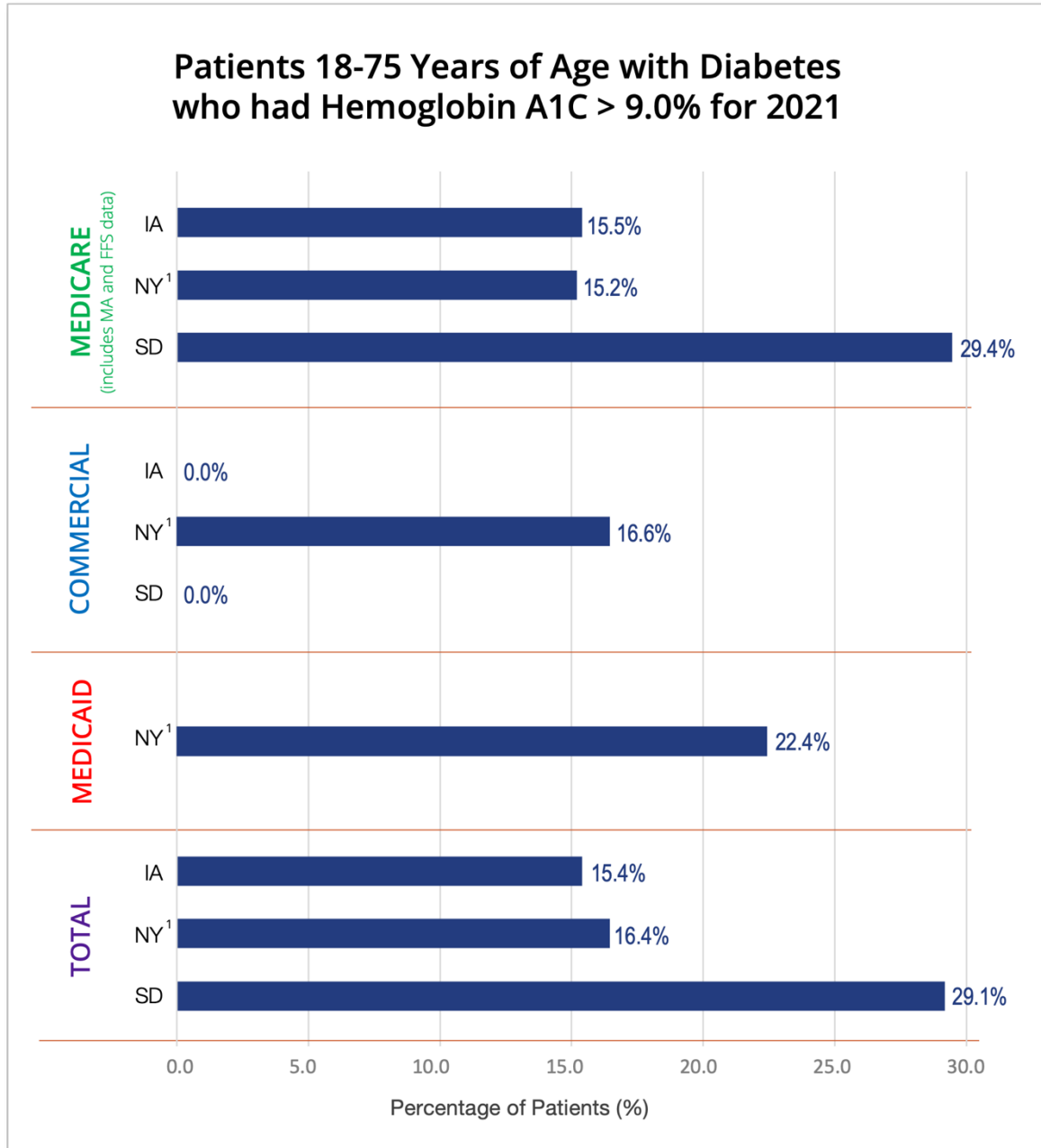Geographically, the data includes Iowa, South Dakota, and a subset of 4 New York counties[1].

The metric is evaluated with the following numerator and denominator eligibility and exclusion rules:

Numerator	Patients whose most recent HbA1c level is greater than 9.0% or is missing a result, or for whom an HbA1c test was not done during the measurement year.
Denominator	Patients 18 - 75 years of age by the end of the measurement year who had a diagnosis of diabetes (type 1 and type 2) during the measurement year or the year prior to the measurement year.
Exclusions	This measure excludes adults in hospice. It also excludes adults with advanced illness and frailty, as well as Medicare adults 65 years of age and older enrolled in an I-SNP or living long-term in institutional settings. Additionally, exclude patients who had a diagnosis of gestational diabetes or steroid-induced diabetes, in any setting during the measurement year or the year prior to the measurement year and who did NOT have a diagnosis of diabetes. These patients are sometimes pulled into the denominator via pharmacy data. They are then removed once no additional diagnosis of diabetes (Type 1 or Type II) is found.

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[1] Subset of NY counties: Dutchess, Orange, Sullivan, Ulster

Results

Our client's Advanced Analytics team collaborated with their medical management team to incorporate some of the Nascate metrics and models into profiles of members to target for existing programs.

Patients 18-75 Years of Age with Diabetes who had Hemoglobin A1C > 9.0% for 2021

MEDICARE (includes MA and FFS data)
- IA: 15.5%
- NY[1]: 15.2%
- SD: 29.4%

COMMERCIAL
- IA: 0.0%
- NY[1]: 16.6%
- SD: 0.0%

MEDICAID
- NY[1]: 22.4%

TOTAL
- IA: 15.4%
- NY[1]: 16.4%
- SD: 29.1%

Percentage of Patients (%)

[1] Subset of NY counties: Dutchess, Orange, Sullivan, Ulster