

# Diabetes Wellness & Prevention Coalition

## Quarterly Practice Improvement Report



Practice: Practice Name

Period: April 2017 – March 2018

### I. Diabetes Patient Demographics<sup>1</sup>

Source	Total Patients	Diabetes Patients (% of Total Patients)
Practice Name	5,596	965 (17%)
Registry Pop. (with PCP) <sup>2</sup>	118,685	21,906 (18%)
Registry Pop. (no PCP) <sup>3</sup>	117,985	13,193 (11%)

<sup>1</sup> All patients seen one or more times by the practice ages 18 – 89 with a diabetes diagnosis for any encounter OR any lab results for HbA1c ≥ 6.5 in the reporting year. <sup>2</sup> Registry population with known primary care provider (PCP) is defined as patients meeting the above criteria who were seen at any practice in the reporting period. <sup>3</sup> Registry population without known primary care provider (PCP) is defined as patients meeting the above criteria who were only seen at any hospital in Methodist Healthcare system in the reporting period.

#### BMI<sup>4</sup>

	Median BMI	Min BMI	Max BMI
Practice Name	32.3	15.0	67.5
Registry Pop. (with PCP)	32.6	14.0	99.2
Registry Pop. (no PCP)	32.9	14.2	97.9

#### Percent Female

Practice Name	52.6%
Registry Pop. (with PCP)	56.3%
Registry Pop. (no PCP)	60.3%

#### Age

	Median Age	Min Age	Max Age
Practice Name	63	21	89
Registry Pop. (with PCP)	60	18	89
Registry Pop. (no PCP)	54	18	68

<sup>4</sup> For BMI, values were included within the determined valid range, 14 - 100. All values outside this range were included in the population as missing values

### Chronic conditions by Diagnosis Code<sup>5</sup>

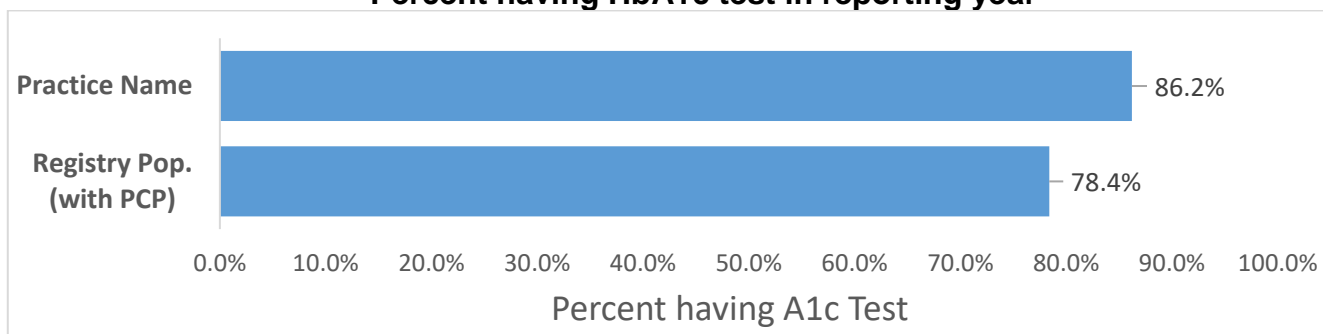
	Arthritis	Asthma	Cerebrovascular Disease (stroke or transient ischemic attack)	Chronic Kidney Disease	Chronic Obstructive Pulmonary Disease	Congestive Heart Failure	Coronary Artery Disease	Depression	Diabetes (Type I)	Diabetes (all nongestational)	Female breast cancer	Hyperlipidemia	Hypertension/high blood pressure	Obesity	Overweight	Prediabetes
Practice Name	15.2	6.8	2.5	17.8	7.5	5.9	9.3	3.9	0.0	83.2	1.1	36.1	70.1	65.2	30.9	25.7
Registry PCP	9.0	7.9	1.5	24.8	6.9	5.9	8.6	5.0	0.1	84.8	0.8	42.3	68.7	62.7	27.5	22.8
Registry no PCP	5.9	9.6	2.0	20.3	2.4	4.7	4.2	1.0	0.0	43.2	0.2	5.4	14.7	8.2	2.6	0.2

<sup>5</sup> Chronic Conditions above are defined based on ICD-10 diagnosis codes.

## II. Comprehensive Diabetes Care Measures

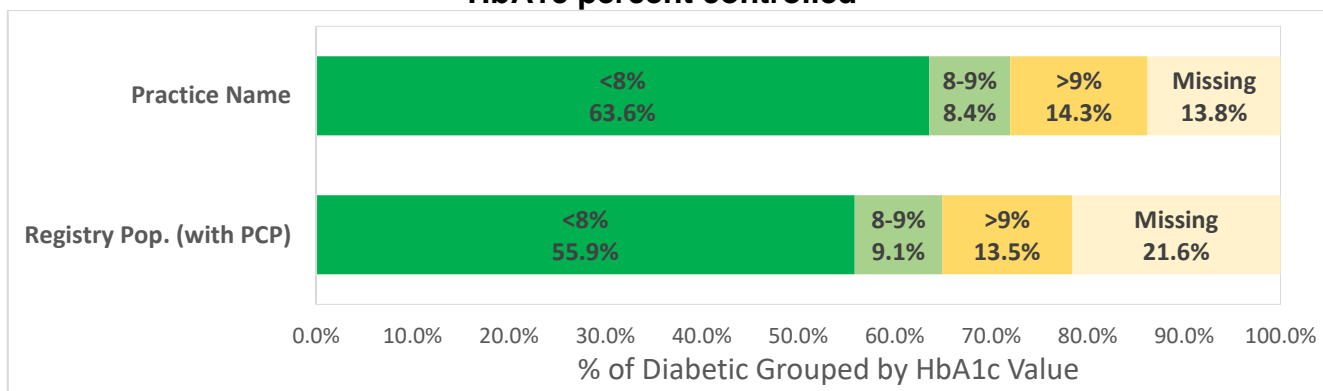
Based on administrative specifications for HEDIS 2015 measures. Population age is defined as 18 - 75 years. For all measures, the denominator is the entire eligible diabetic population.

**Percent having HbA1c test in reporting year <sup>6</sup>**



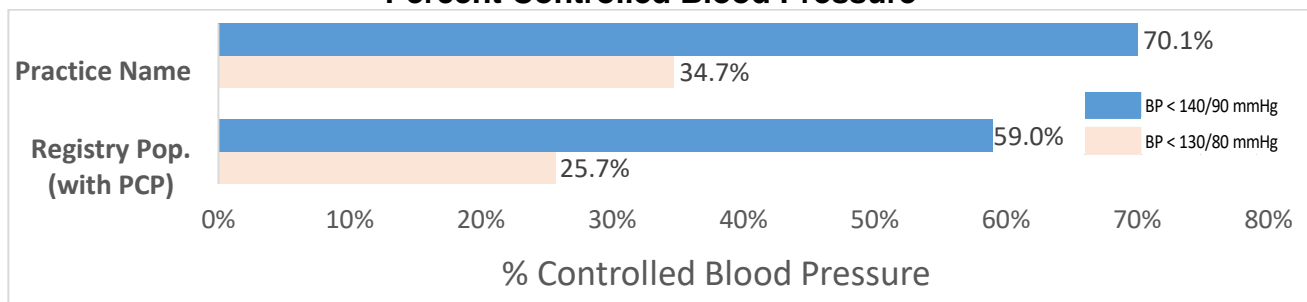
<sup>6</sup> HEDIS specification for HbA1c Testing: The numerator is any diabetic patient having an HbA1c Test in the reporting period.

**HbA1c percent controlled <sup>7</sup>**



<sup>7</sup> HEDIS specification for HbA1c Poor Control and Control: For Poor Control (> 9%), the numerator is any patient having the most recent HbA1c level > 9.0% or missing a result, or not having a test in the reporting period. For Control (< 8%), the numerator is any patient having the most recent HbA1c level < 8.0% in the reporting period.

**Percent Controlled Blood Pressure <sup>8</sup>**



<sup>8</sup> Blood pressure control based on HEDIS specification (blue bars): < 140/90 mmHg: The numerator is taken as any patient having most recent systolic blood pressure < 140 mmHg and most recent diastolic blood pressure < 90 mmHg. Blood pressure control based on ACC 2017 guidelines (yellow bars): < 130/80 mmHg. The numerator is taken as any patient having most recent systolic blood pressure < 130 mmHg and most recent diastolic blood pressure < 80 mmHg. In both cases, patients with no blood pressure result are included in the denominator.

## III. Health Care Utilization of Diabetics <sup>9</sup>

**≥ 1 ED Visit (%)**

Practice Name	19.5%
Registry Pop. (with PCP)	24.7%
Registry Pop. (no PCP)	71.6%

**≥ 1 Hospital Visit (%)**

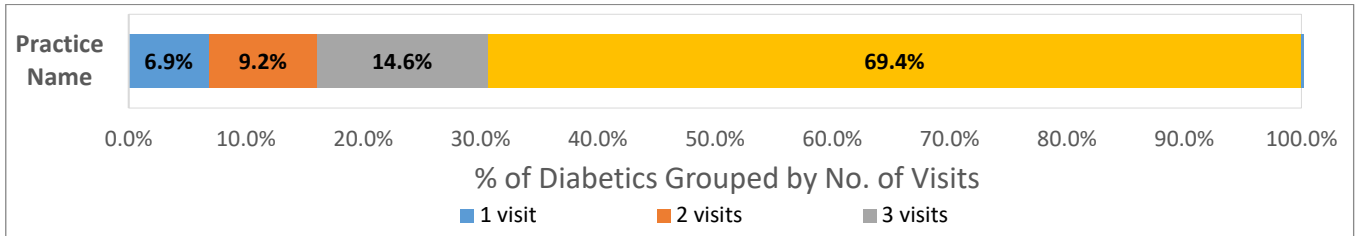
Practice Name	6.8%
Registry Pop. (with PCP)	7.4%
Registry Pop. (no PCP)	35.7%

**30 Day Readmission Rate (%)<sup>10</sup>**

Practice Name	7.6%
Registry Pop. (with PCP)	18.0%
Registry Pop. (no PCP)	12.7%

### Physician Office Visits<sup>11</sup>

	No. of visits per patient
Practice Name	5.24



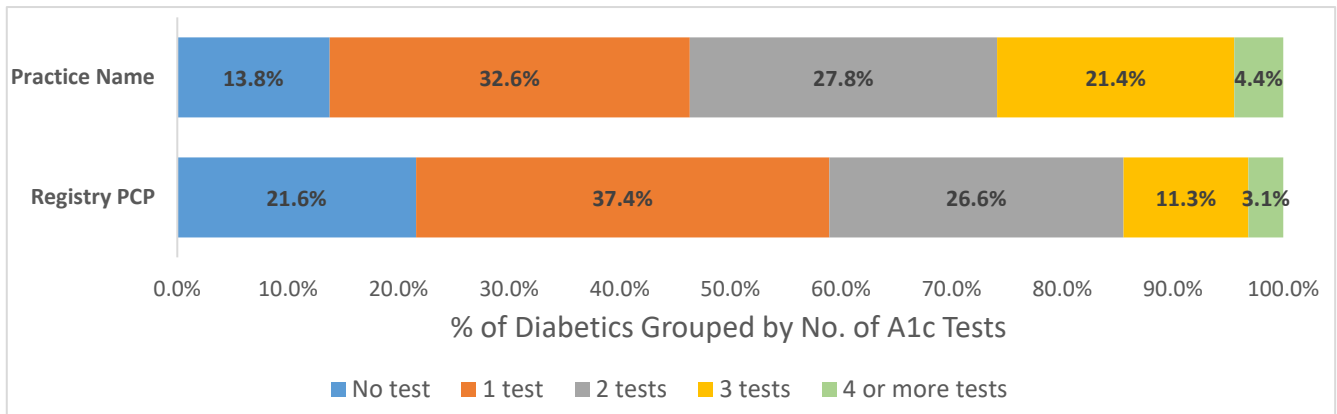
<sup>9</sup> Only includes healthcare utilization in Methodist Healthcare system.

<sup>10</sup> Denominator is all diabetic patients with > 1 Hospital Visit in a year.

<sup>11</sup> Physician office visits made at your clinic by diabetic patients who had one or more visits in the reporting period.

### IV. HbA1c Testing Details for Diabetics <sup>12</sup>

	No. of tests per patient
Practice Name	1.70



<sup>12</sup> The denominator is any diabetic patient seen at your clinic. The numerator is number of HbA1c Test in the reporting period.

## V. All Patient Demographics

	Total number of patients
Practice Name	5,596
Registry Pop. (with PCP)	118,685
Registry Pop. (no PCP)	117,985

### BMI

	Median BMI	Min BMI	Max BMI
Practice Name	29.2	14.6	79.1
Registry Pop. (with PCP)	30.0	14.0	99.2
Registry Pop. (no PCP)	29.3	14.0	99.6

### Percent Female

Practice Name	54.3%
Registry Pop. (with PCP)	60.3%
Registry Pop. (no PCP)	59.5%

### Age

	Median Age	Min Age	Max Age
Practice Name	55	18	89
Registry Pop. (with PCP)	54	18	89
Registry Pop. (no PCP)	37	18	68

### Chronic Conditions by Diagnosis Code <sup>13</sup>

	Arthritis	Asthma	Cerebrovascular Disease (stroke or transient ischemic attack)	Chronic Kidney Disease	Chronic Obstructive Pulmonary Disease	Congestive Heart Failure	Coronary Artery Disease	Depression	Diabetes (Type I)	Diabetes (all nongestational)	Female breast cancer	Hyperlipidemia	Hypertension/high blood pressure	Obesity	Overweight	Prediabetes
Practice Name	8.5	5.3	1.1	4.7	5.5	1.9	3.3	3.4	0.0	14.4	0.8	14.4	35.3	40.3	30.7	10.5
Registry Pop. (with PCP)	5.5	5.2	0.6	5.9	4.3	1.7	3.2	4.2	0.0	15.6	0.5	20.8	35.9	41.5	27.2	9.4
Registry Pop. (no PCP)	2.9	5.5	0.6	4.4	1.9	1.3	1.4	0.7	0.0	4.8	0.2	3.4	13.4	12.7	7.9	0.1

<sup>13</sup>Chronic Conditions above are defined based on ICD-10 diagnosis codes.