

## **Working Together to Improve Outcomes: Physician-Pharmacist Collaborative Agreement for Uncontrolled Type 2 Diabetes**

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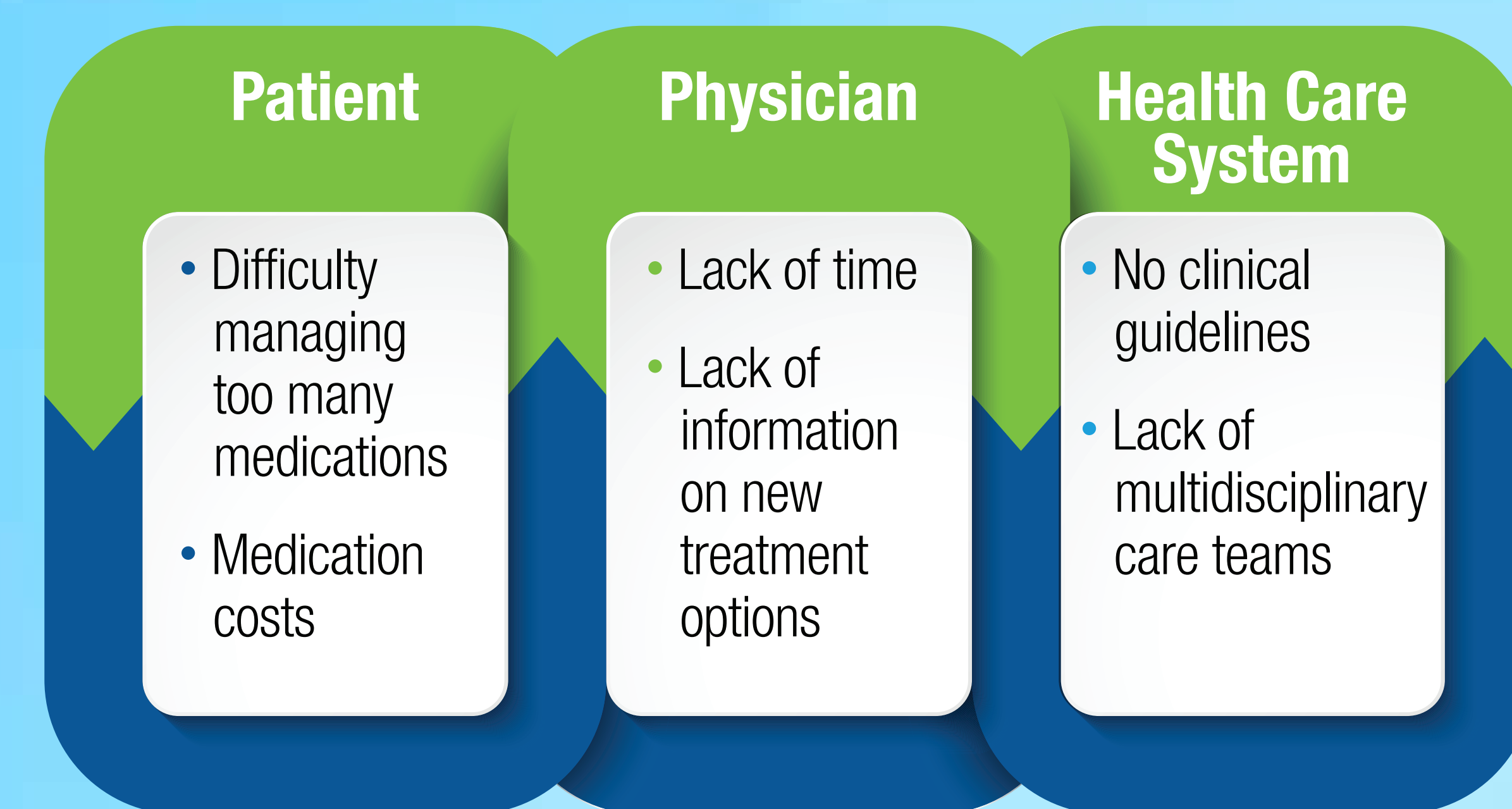
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# Working Together to Improve Outcomes: Physician-Pharmacist Collaborative Agreement for Uncontrolled Type 2 Diabetes

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## BACKGROUND

- Diabetes affects over 30 million people in the United States<sup>1</sup>
  - 1 out of every 10 people have diabetes
  - 7th leading cause of death
- Clinical Inertia<sup>2</sup>

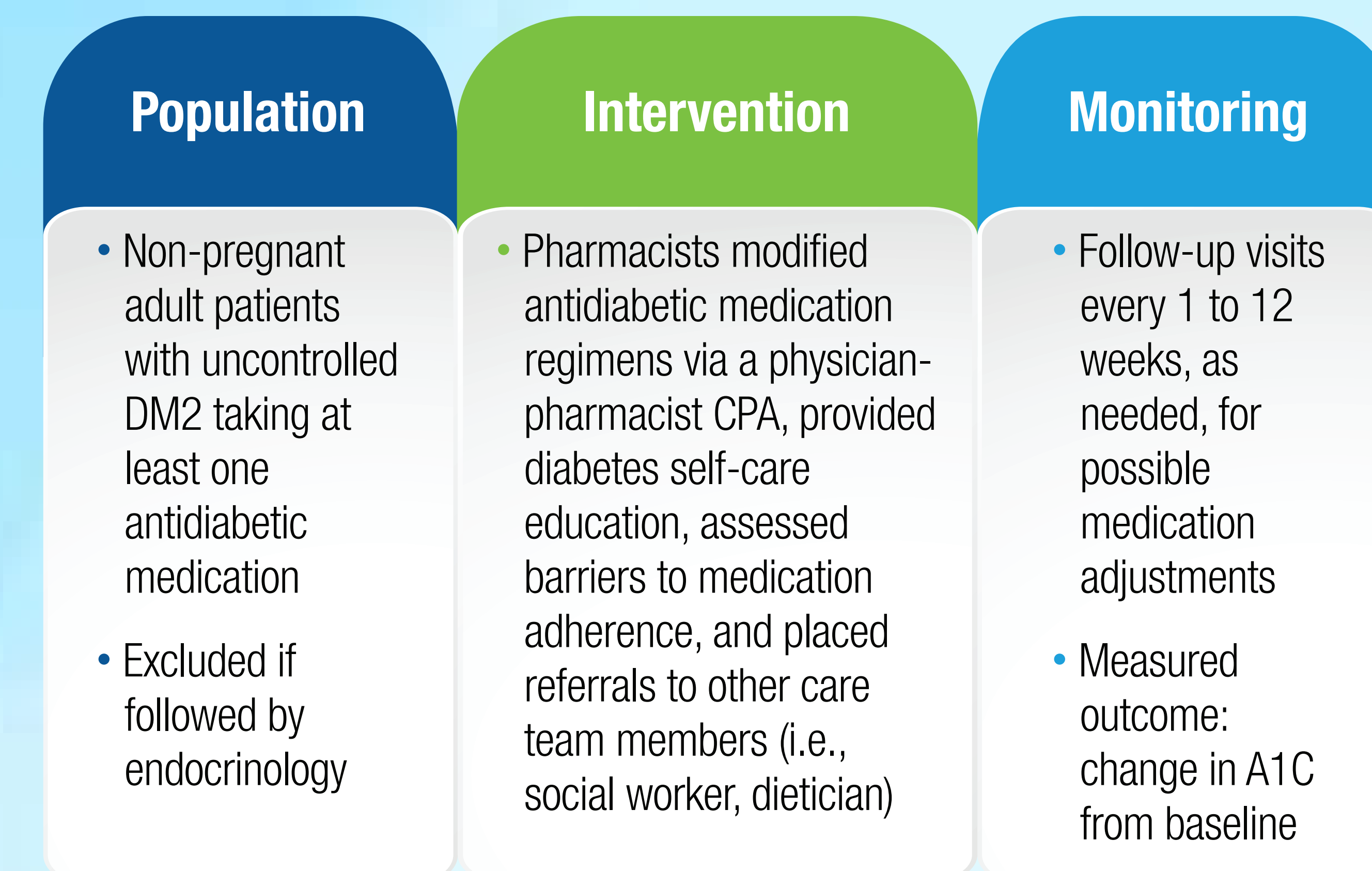


- Physician-pharmacist collaborative practice agreements (CPAs) allow pharmacists to adjust medication regimens, avoid clinical inertia and improve patient outcomes<sup>3</sup>

## OBJECTIVE

- To determine the impact of pharmacist interventions on clinical outcomes (i.e., change in A1C) in adult patients with uncontrolled type 2 diabetes (DM2)

## METHODS



## REFERENCES

- <sup>1</sup> Centers for Disease Control and Prevention. National Diabetes Statistics Report, 2017. Atlanta, GA: Centers for Disease Control and Prevention, US Department of Health and Human Services; 2017.
- <sup>2</sup> Okemah J, Peng J, Quiñones M. Addressing Clinical Inertia in Type 2 Diabetes Mellitus: A Review. *Adv Ther.* 2018;35(11):1735–1745.
- <sup>3</sup> Eric J. Ip, Bijal M. Shah, Junhua Yu, James Chan, Lynda T. Nguyen, Deempal. C. Bhatt. Enhancing diabetes care by adding a pharmacist to the primary care team. *AJHP.* 2013;70(10):877–886.

## RESULTS

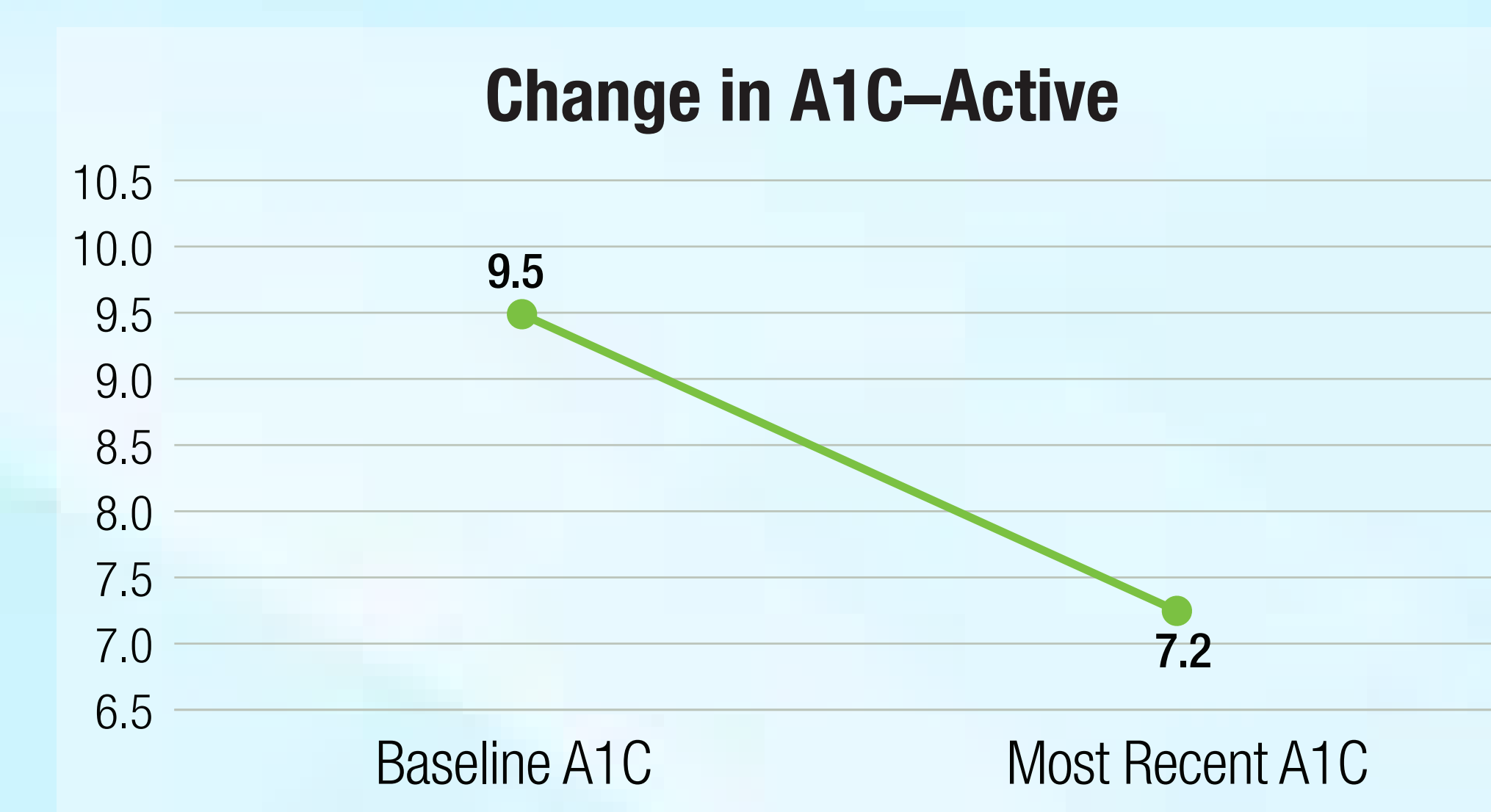


Figure 1. Change in A1C - Active. Includes all patients who met with a pharmacist > 1 time, had > 1 repeat A1C and were not lost to follow-up (n=26). Change in A1C 2.3%.

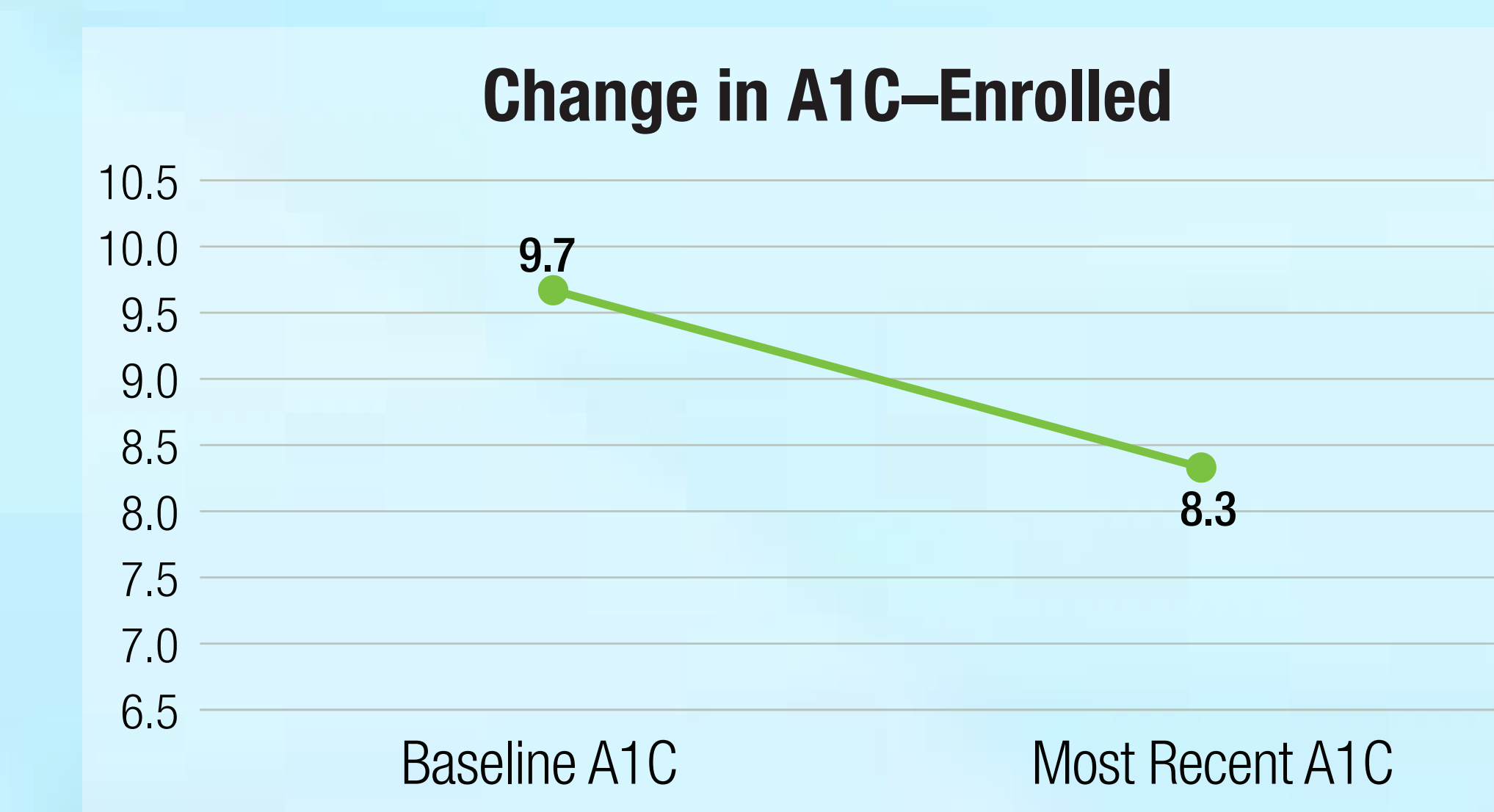


Figure 2. Change in A1C - Enrolled. Includes all patients who met with a pharmacist > 1 time and had > 1 repeat A1C (n=53). Change in A1C 1.4%.

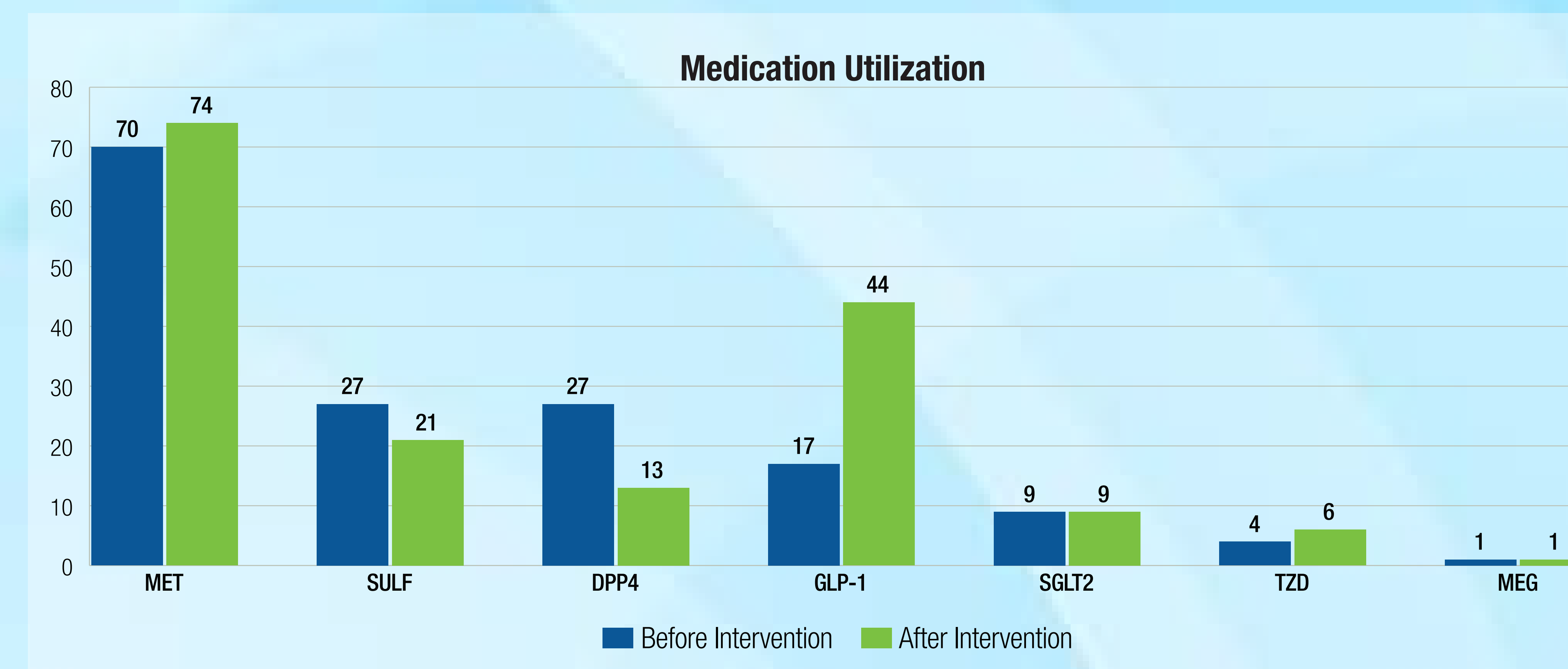


Figure 3. Medication Utilization Before and After Intervention.

## CONCLUSIONS

- Physician-pharmacist CPAs improve clinical outcomes in adult patients with DM2
  - Increase physician face to face time with patients
  - Decrease non-billable physician time
  - Decrease time to therapeutic goals
  - Improve pay-for-performance quality metrics
- Limitations
  - Lack of clinician buy-in
  - Limited pharmacist FTE
- Future Directions
  - Continue to improve utilization of preferred medications
  - Streamline pharmacist workflow / improve efficiency
  - Expansion of pilot and future integration with other service lines

## ACKNOWLEDGEMENTS

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