

## **Executive Summary**

In this assessment, we evaluate a pilot Medication Therapy Management (MTM) intervention designed by faculty researchers from the Daniel K. Inouye College of Pharmacy (DKICP), in collaboration with the Hawai'i Department of Health (HDOH) and administered at a Federally Qualified Health Center located on the Island of Hawai'i. Its scope is to examine the efficacy of this MTM program on patient outcomes, as well as implementation considerations of relevance to a real-world practice setting. This evaluation intends to inform the anticipated expansion of MTM services as part of the Centers for Disease Control and Prevention initiative "Improving the Health of Americans Through Prevention and Management of Diabetes and Heart Disease and Stroke CDC-RFA-DP18-1815" cooperative agreement with HDOH.

Our assessment combined quantitative and qualitative methods with a well-described implementation framework in order to examine DKICP's results and identify barriers and facilitators around their implementation effort. Clinical results from the intervention show promise for the MTM intervention, though the very low rate of participation was insufficient to affirm therapeutic efficacy. Outcomes from this intervention also reveal that Native Hawaiian and Other Pacific Islander groups are disproportionately not participating in the MTM intervention, relative to their representation in the eligible population. Both quantitative and qualitative results highlighted some common factors. Organizational characteristics and operations directly affected implementation fidelity, and intervention effectiveness/efficiency. The practice setting appeared to pose challenges that were compounded by cultural and structural complexities of the organization involved in the intervention.

Given the ethnically diverse and socio-economically disadvantaged population being targeted for this project, expansion and/or continuation of this MTM program should consider addressing both population-related cultural competencies and implementation factors.