

DIABETES CARDIOVASCULAR DISEASE-ORAL HEALTH INTEGRATION (DCVDOHI)

over
view



Identifying and treating patients living with (pre)diabetes and hypertension

SUMMARY

The goal of the DCVDOHI toolkit is to improve performance between dental and medical providers to offer streamlined, comprehensive, patient-centered care for diabetes and hypertension prevention and management. The DCVDOHI toolkit increases: screenings for oral diseases, diabetes and hypertension; bidirectional referrals; and referrals to evidence-based programs.

DCVDOHI TOOLS TO PREVENT AND TREAT DIABETES

- 1 Train dental providers to screen for prediabetes and diabetes
- 2 Take regular and accurate HbA1C and blood glucose measurements in dental and medical offices
- 3 Engage at-risk patients
- 4 Close the loop with bidirectional referrals between dental and medical providers
- 5 Refer to evidence-based programs such as the National Diabetes Prevention Program and the Diabetes Self Management Education Program

WHAT'S NEXT

Expand the existing model to include other provider teams (pharmacy, behavioral health, and vision) using a quality improvement foundation and public health lens.



Image created by Colorado Coalition for the Homeless and Colorado Community Health Network

STATS^{1,2,3}



1 in 3 adults has hypertension*



Over 18 percent of Coloradans have been diagnosed with prediabetes or diabetes**



only half of people with hypertension have their blood pressure under control*

1,110

of deaths per day where hypertension was the primary or contributing cause of death in 2014*



disparities still persist among males, Blacks/African Americans, and adults with lower incomes or less education**

3x

Colorado adults diagnosed with diabetes were 3 times more likely to have lost all their teeth compared to people without diabetes**

US National Data*
Colorado Data**

DCVDOHI TOOLS TO PREVENT AND TREAT HYPERTENSION

- 1 Train dental providers in blood pressure guidelines and the importance of screening for hypertension
- 2 Take regular and accurate blood pressure measurements in dental and medical offices
- 3 Engage at-risk patients
- 4 Close the loop with bidirectional referrals between dental and medical providers
- 5 Referral to evidence-based program such as the YMCA Self-Monitored Blood Pressure program

IMPACT²

Studies show that dental professionals play an important role in identifying patients with undiagnosed or uncontrolled diabetes and hypertension.

Measuring HbA1c, blood glucose, and blood pressure during dental visits can help improve patient health outcomes. Dental providers can educate their patients about risk factors and the impact of diabetes and hypertension on oral health and refer patients to medical providers as necessary.

The American Dental Association recommends that people diagnosed with diabetes and hypertension see their dental provider regularly.

References:

1. CDHPE. VISON: Visual information system for identifying opportunities and needs. Colorado.gov. <https://www.colorado.gov/pacific/cdphe/vision-data-tool>. Published 2019. Accessed February 22, 2019.
2. Davide SH, Lam A. Understanding the new blood pressure guidelines. CUNY Academic Works. 2018. https://academicworks.cuny.edu/ny_pubs/270.
3. McManus R.J, Mant J. Hypertension: New US blood-pressure guidelines – who asked the patients? Nat Rev Cardiol. 2018. doi:10.1016/j.jacc.2017.11.006.



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