



Importance of, and How to, Complete Blood Pressure Screenings in Dental Settings

Melissa Kainz MSN, RN February 9, 2022





Disclosures

- I have no disclosures regarding financial relationships, commercial interests, or funding from commercial support or external sources.
- Where appropriate, I have referenced sources for the information provided.



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Objectives

- Discover how oral health and overall health are connected.
- Learn the importance of blood pressure screening in hypertension identification.
- Identify actions to take an accurate blood pressure reading.



North Dakota Oral Health has a focus on prevention and education

Oral Health and Overall Health Connection

Oral Health and overall health are connected



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Content Supporting References: (CDC, 2020)





Importance of Blood Pressure

- The first part of hypertension control is awareness, which includes screening.
- The CDC (2020) recommends that individuals be screened regularly for hypertension.
- Screening for hypertension can increase awareness of the condition and hypertension awareness must occur prior to successful treatment and control.

Content Supporting References: (CDC, 2020), (U.S. Department of Health and Human Services, 2020)

Importance of Blood Pressure Screening in the Dental Setting

- The dental setting provides a unique opportunity to screen patients who may not see a healthcare provider on a regular basis
- In 2019, 64.9% of adults aged 18 and over in the United States had at least one dental visit in the past year
- RADM Timothy Ricks advocates for blood pressure screenings in the dental setting to improve chronic disease management

Content Supporting References: (American Heart Association, 2019), (CDC, 2020), (Ricks, 2021), (U.S. Department of Health and Human Services, 2020)



Taking Blood Pressure Measurement in the Dental Office

- · Screen all patients, ages 18 and over, by taking an accurate blood pressure reading.
- The American Heart Association recommends upper arm blood pressure monitors for the most accurate readings.

Blood Pressure Categories



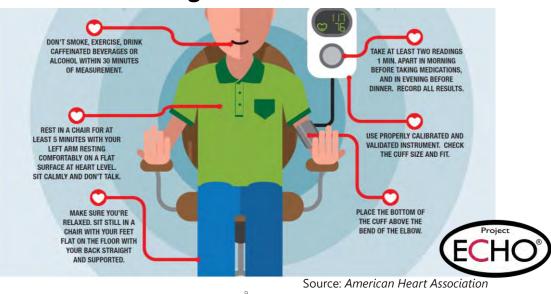
BLOOD PRESSURE CATEGORY	SYSTOLIC mm Hg (upper number)		DIASTOLIC mm Hg (lower number)
NORMAL	LESS THAN 120	and	LESS THAN 80
ELEVATED	120-129	and	LESS THAN 80
HIGH BLOOD PRESSURE (HYPERTENSION) STAGE 1	130-139	or	80-89
HIGH BLOOD PRESSURE (HYPERTENSION) STAGE 2	140 OR HIGHER	or	90 OR HIGHER
HYPERTENSIVE CRISIS (consult your doctor immediately)	HIGHER THAN 180	and/or	HIGHER THAN 120

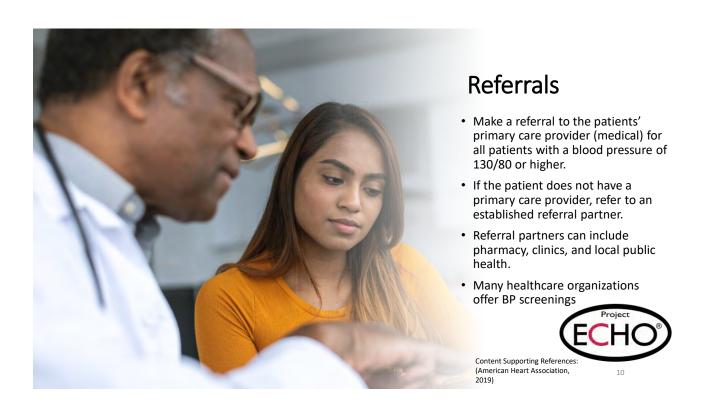
heart.org/bplevels



Content Supporting References: (American Heart Association, 2019)

BP Screening Recommendations





Current Dental Office Screening

Jackie Nord, D.D.S Spectra Health FQHC in Grand Forks, ND



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Conclusion

- Oral health and overall health are connected.
- Hypertension is a significant concern in North Dakota and the United States.
- Increased BP screening can assist with awareness and control of hypertension.
- Dental offices provide a unique opportunity to provide BP screenings
- Proper cuff placement and actions prior and during screening can ensure accurate blood pressure readings.

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Questions/Discussion





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References

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