Philosophy behind the Heart and Vascular Screenings



Objectives

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- * Describe the purpose behind and benefits of Heart and Vascular Screenings
- * List components of Heart and Vascular Screenings
- * State the statistical impact of the Heart and Vascular Screenings components on reducing episodes of cardiovascular episodes/disease

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Disclosures

No disclosures

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Purpose and benefits behind H&V Screenings

H&V Screenings is not:

- * It is not to take the place of yearly physicals with primary care provider
- * Drum up business for the cardiologists
- * Does not guarantee that you will or will not experience a cardiovascular event

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Purpose and benefits behind H&V Screenings

H&V Screenings:

- * Empowers the patient to take charge of their health
- * Promotes collaboration across disciplines
- * Advances health campaigns within communities
- * Affordable jump start to identifying cardiovascular risk factors
- Assists providers in developing a tailored health care plan for patients to control or reduce cardiovascular risk factors

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Purpose and benefits behind H&V Screenings

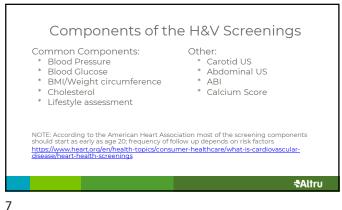
American Heart Association says it the best:

"Few of us have ideal risk levels on all screening tests. However, if you do have test results that are less than ideal, it doesn't mean you're destined to develop a serious cardiovascular disease. On the contrary, it means you're in a position to begin changing your health in a positive way."

https://www.heart.org/en/health-topics/consumer-healthcare/what-is-cardiovascular-disease/heart-health-screenings

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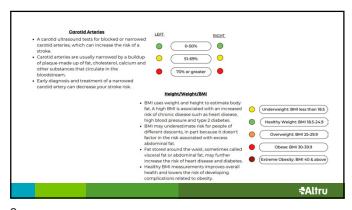
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Altru's H&V Screening Components The ankle-brachial index test is a quick, simple way to check for peripheral artery disease (PAD).
The disease occurs when narrowed arteries LEFT NO BLOCKAGE: 1.0-1.4 BORDERLINE BLOCKAGE: 0.90-0.99 In a cisease occurs when narrowed arteries reduce the blood flow to the arms and legs.
 PAD can cause leg pain when walking/standing.
 PAD also increase the risk of heart attack and stroke. PAD: Less than 0.90 An aorta ultrasound is a noninvasive test that uses ultrasound waves to produce images of the aorta, the large blood vessel that carries oxygen-rich blood from the heart to the rest of the body.

The test is used to evaluate the aorta for conditions such as aneurysms, blockages, or other abnormalities. Normal: less than 3cm Concerning: greater than 3cm Critical: greater than 5cm Altru

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High BP (Stage 1): 140-159 or 90-99 Altru

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Cholesterol

Cholesterol is a waxy substance found in the blood. Your body needs cholesterol to build healthy cells, but high cholesterol can increase your risk of heart disease.

High cholesterol can be inherited, but it's often the result of unhealthy lifestyle choices which make it preventable and treatable.

A healthy diel, regular exercise and sometimes medication can reduce high cholesterol.

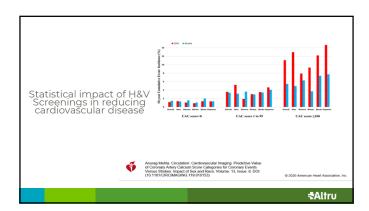
Low-density lipoproteins (LDL), the "bad" cholesterol, transport cholesterol particles throughout your body, LDL cholesterol builds up in the wall of your arteries, making them hard and narrow.

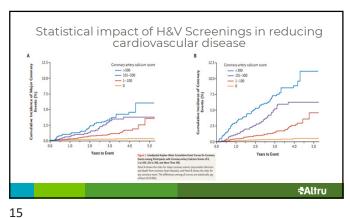
High-density lipoprotein (HDL), the "good" cholesterol, picks up excess cholesterol and takes it back to your liver. HDL Cholesterol mg/dl --Undesirable Acceptable High (Desirable) LDL Cholesterol ma/dl Triglycerides (TGL) is a type of fat in the blood. Having high triglycerides levels can increase your risk of heart disease, Altru

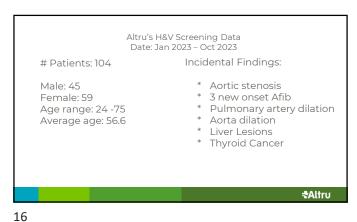
Heart Rate (HR) Heart rate is the frequency of the heartbeat measured by the numb of contractions of the heart per minute. The HR can vary according to the body's physical needs, including to need to absorb oxygen and excret carbon dioxide. Bradycards symptoms: a chest pain, confusion/memory problems, clifficials, stating. Bradycardia: Low HR & symptomatic Bradycardia: Low HR: Below 60 bpm at rest Normal: Resting HR: 60-100 bpm at rest Tachycardia: High HR: Above 100 bpm at rest Tachycardia: High HR: & symptomatic An electrocardiogram (EKC) records the electrical signals in the heart.
Abs known as n ECG or EKC.
An ECC/EKG can determine if the heart it.
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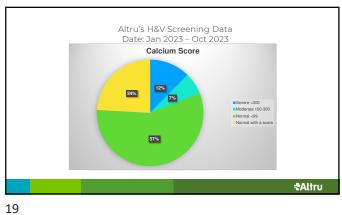












Altru's H&V Screening Data Date: Jan 2023 – Oct 2023 Calcium Category M vs F Altru

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Altru's H&V Screening Data Date: Jan 2023 – Oct 2023 *Follow up recommendations for further testing: 40/104 *Jan - Oct 2023 (As of 1/6/24) Jan — Oct 2025 (As of 1/6/24)

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-RCA Stent — Calcium Score — 206

-Bypass — Calcium Score — 219

-Mild disease (no fix) — Calcium score — 691

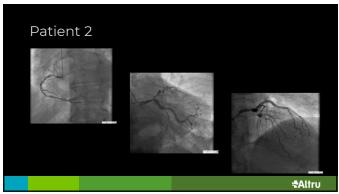
-50% (Besion in mid/distal LAD (no fix) — Calcium score — 889

-Prox Lad Stent — Calcium score — 1286

-LAD & RCA Stent — Calcium score - 212 Altru

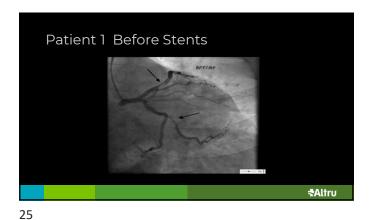
Patient case studies Patient 2 Male Age 62 * No symptoms * Calcium score 520 * 4 vessel bypass Altru

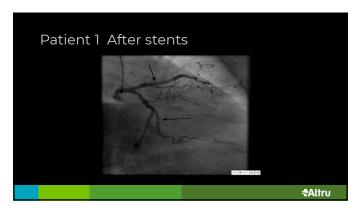
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Two Months Later: Discovering the new normal

"I feel fantastic," Chad says. "I've been eating better, and I'm about to start a new exercise plan. I've realized that I have to continue making myself healthier, so my heart disease does not progress."

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Summary

- Heart & Vascular Screens:
 Empower patients to begin changing their health in a positive
- Cost effective way of identifying risk factors
- Heart & Vascular Screening results can assist in decision–making aid for primary prevention for CAD and Stroke
 The calcium score is a strong predictor of incidents of CAD

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References

ngs I American Heart Association

Slide 14 Predictive Value of Coronary Artery Calcium Score Categories for Coronary Events Versus Strokes: Impact of Sex and Race Originally published18 Aug 2020https://doi.org/10.1161/CIRCIMAGING.119.010152Circulation: Cardiovascular Imaging. 2020;13:e010153

Jamue 12 Coronary Calcium as a Predictor of Coronary Events in Four Racial or Ethnic Groups March 27, 2008 N Engl 1 Med 2008; 358:1336-1345 DDI: 10.1056/NEI/Mao72100

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