



THE NEXT GENERATION OF HEALTH INTELLIGENCE

PRIMARY CARE PREVENTIVE SCREENING

Advanced Vascular & Autonomic
Insight for Preventive Client Care



Powered by  PREVENTIVE
DIAGNOSTIC
GROUP

— The Challenge

Primary Care Faces Growing Preventive Care Pressure



Rising Cardiometabolic Burden

Chronic disease prevalence continues to escalate across client populations.



Silent Vascular Changes

Physiologic changes can develop gradually before noticeable symptoms appear



Increasing Client Complexity

Multi-morbidity requires comprehensive physiologic insight.



Limited Time for Engagement

Traditional workflows leave little room for deep preventive education.

Clients want prevention. Practices need **sustainable revenue expansion.**

The Prevention Gap in Routine Visits



Limited Vascular Metrics

Standard exams lack quantifiable measures of arterial elasticity and endothelial function at the point of care.



No Autonomic Insight

Traditional vitals miss critical patterns of autonomic regulation and stress response balance.



No Microvascular Tracking

Early microcirculatory dysfunction is often undetectable until significant progression occurs.



No Longitudinal Baselines

Without objective physiologic data points, tracking subtle client decline over time is difficult.



A simple 10-minute screening provides additional physiologic insight without disrupting workflow.

A Preventive Technology Built for Primary Care

The Vascuscreen System provides a scalable, non-invasive vascular and autonomic screening program designed to support health awareness and long-term wellness initiatives.



FDA-Cleared Non-Invasive Technology

Advanced screening technology designed to evaluate vascular and autonomic patterns without needles, radiation, or invasive procedures.



Objective Physiologic Insight

Provides visual indicators related to circulation patterns, vascular responsiveness, and autonomic balance.



Rapid Clinical Workflow Integration

A streamlined 10-minute screening process specifically designed for routine preventive visits and annual wellness exams.



Vascuscreen Wellness
Screening System

What the Vascuscreen System Evaluates



**Vascular Compliance
Patterns**



**Microvascular Performance
Markers**



**Autonomic Nervous System
Balance**



**Heart Rate Variability
Trends**



**Circulation Efficiency
Patterns**



**Blood Pressure Response
Dynamics**

What the Vascuscreen System Helps Identify

VASCULAR HEALTH

Identifies physiological indicators associated with:

- Peripheral circulation abnormalities
- Peripheral Artery Disease (PAD)
- Reduced arterial compliance
- Endothelial dysfunction
- Impaired microcirculation
- Reduced blood flow to the extremities
- Cardiovascular disease risk factors
- Vascular aging trends

Associated Conditions May Include:

Peripheral Artery Disease (PAD), Atherosclerosis, Hypertension, Coronary Artery Disease (CAD), Stroke Risk, Chronic Venous Insufficiency (CVI)

AUTONOMIC NERVOUS SYSTEM HEALTH

Identifies physiological indicators associated with:

- Autonomic nervous system imbalance
- Sympathetic nervous system overactivity
- Reduced parasympathetic activity
- Reduced heart rate variability (HRV)
- Physiological stress responses
- Impaired autonomic regulation
- Findings associated with autonomic dysfunction
- Early changes associated with cardiac autonomic neuropathy

Associated Conditions May Include:

Cardiac Autonomic Neuropathy (CAN), Dysautonomia, Postural Orthostatic Tachycardia Syndrome (POTS), Chronic Stress & Fatigue, Hypertension, Heart Failure Risk

NEUROPATHY & NERVE FUNCTION

Identifies physiological indicators associated with:

- Sudomotor dysfunction
- Small fiber nerve dysfunction
- Abnormal sweat gland activity
- Findings associated with peripheral neuropathy
- Physiological changes commonly associated with diabetes-related nerve dysfunction
- Early autonomic nerve abnormalities

Associated Conditions May Include:

Diabetic Neuropathy, Small Fiber Neuropathy (SFN), Peripheral Neuropathy, Charcot-Marie-Tooth Disease, Idiopathic Neuropathy

CARDIOMETABOLIC HEALTH

Identifies physiological indicators associated with:

- Physiological changes associated with metabolic dysfunction
- Findings associated with insulin resistance
- Cardiometabolic risk indicators
- Early physiological stress associated with obesity
- Vascular changes commonly associated with diabetes
- Abnormal autonomic patterns associated with metabolic syndrome

Associated Conditions May Include:

Type 2 Diabetes, Insulin Resistance, Metabolic Syndrome, Obesity, Non-Alcoholic Fatty Liver Disease (NAFLD)

PREVENTIVE & WELLNESS APPLICATIONS

Helps providers evaluate:

- Overall vascular wellness
- Physiological aging trends
- Recovery capacity
- Stress adaptation
- Cardiovascular wellness
- Lifestyle modification progress
- Exercise program effectiveness
- Wellness intervention outcomes

Supports Programs Such As:

Executive Wellness, Longevity & Healthy Aging, Functional Medicine, Lifestyle Medicine, Corporate Wellness Initiatives, Preventive Primary Care

COMMON RISK CATEGORIES

Provides insights associated with:

- Cardiovascular disease risk
- Peripheral artery disease risk
- Diabetes-related complications
- Hypertension-related vascular changes
- Metabolic syndrome
- Obesity-related physiological stress
- Chronic inflammation-related vascular dysfunction
- Lifestyle-related health risks

These insights can support earlier recognition of risk factors associated with chronic disease development and progression.

— CLIENT VALUE

Structured Wellness Insight for Clients



Client-Friendly Visual Report

Color-coded reports translate complex physiologic data into clear, accessible insights that clients can easily understand and act upon.



Independent Clinical Interpretation

Third-party clinicians provide structured explanation of screening patterns, ensuring objective analysis and professional oversight.



Preventive Lifestyle Guidance

Clients receive actionable, personalized recommendations for healthier decisions based on their specific screening results.



Longitudinal Baseline Tracking

Results establish a comprehensive physiologic baseline, allowing for precise comparison and trend analysis in future screenings.



Step 1

Screening Scan



Step 2

Data Analysis



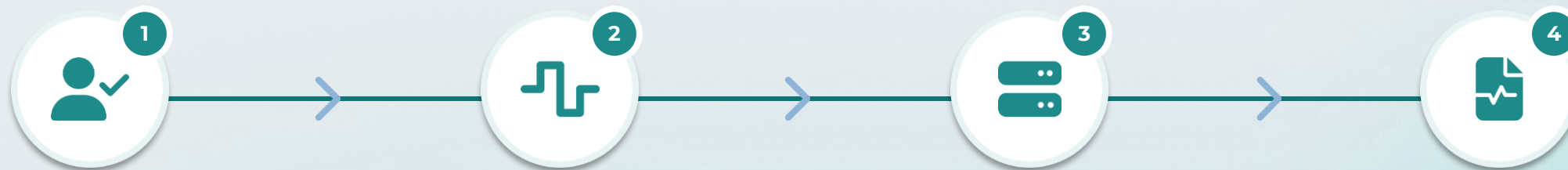
Result

Client Health Insights

Reports are intended for wellness insight and are not used to diagnose medical conditions. They provide a foundation for informed health and lifestyle decisions.

Implementation Overview

A Simple 10-Minute Screening Workflow



Client Setup

Non-invasive sensors placed on wrists and ankles while client relaxes.

Screening Scan

Automated system captures multi-signal physiologic data in minutes.

Data Processing

Advanced algorithms analyze vascular and autonomic patterns.

Wellness Report

Structured visual report generated instantly for review.

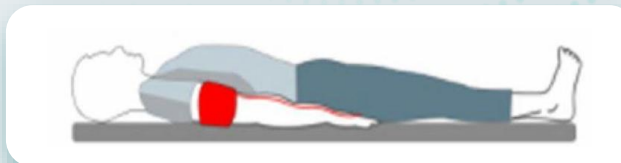
 Streamlined process designed to minimize disruption to clinic operations.

THE FIRST SCREEN YOU WILL BE TAKEN TO IS THE CLIENT SETUP.

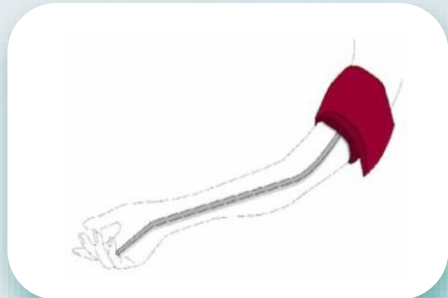


CLIENT SETUP STEPS:

[Watch Demonstration Video](#)



THE CLIENT IS LYING DOWN AND RELAXED



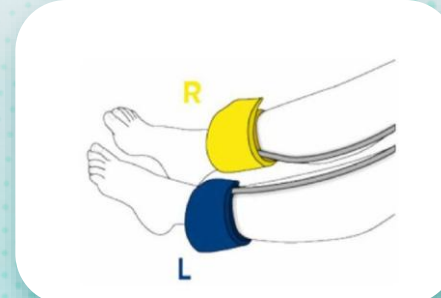
ARM CUFF PLACEMENT

The arm cuff can be placed on the right or left arm. The arm cable should face down toward the wrist.



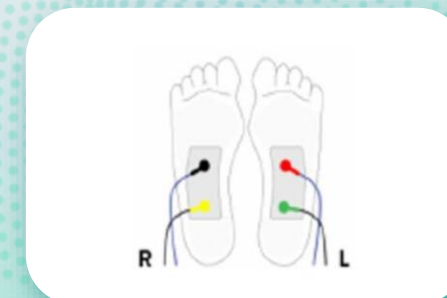
OXIMETER PLACEMENT

Place the pulse oximeter on the index finger of the arm not fitted with the blood pressure cuff.



ANKLE CUFF PLACEMENT

The ankle cables should face up toward the knees.



DISPOSABLE PAD PLACEMENT

Place the red and green electrode pad on the left foot. Place the black and yellow electrode pad on the right foot.

PATIENT SCREENING REPORTS

Detailed Lifestyle Scoring



By clicking on LIFESTYLE SCORE, a window with the markers, comments and graphs opens.

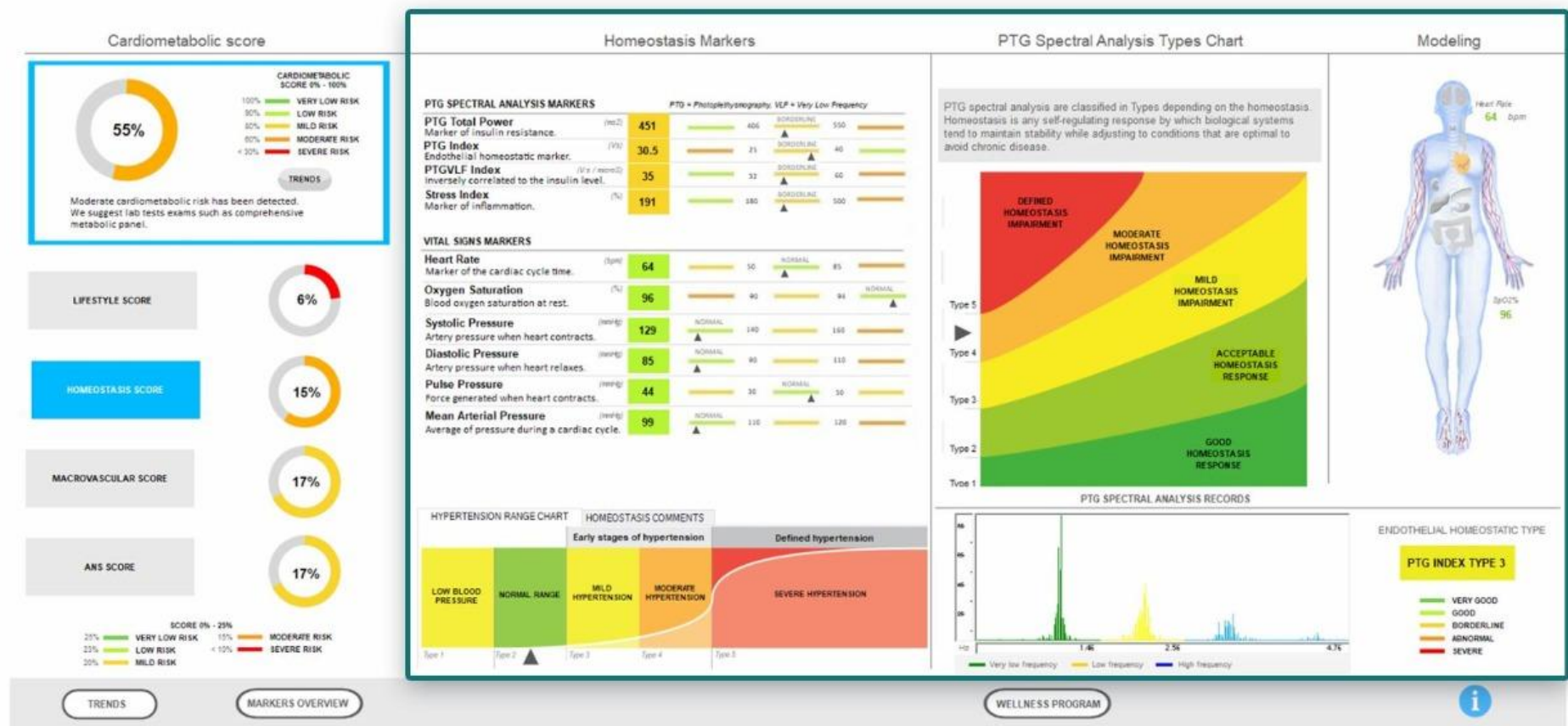


PATIENT SCREENING REPORTS

Detailed Homeostasis Scoring



By clicking on HOMEOSTATIS SCORE, a window with the markers, comments and graphs opens.



PATIENT SCREENING REPORTS

Detailed Microvascular Scoring



By clicking on MICROVASCULAR SCORE, a window with the markers, comments and graphs opens.



By clicking on ANS SCORE, a window with the markers, comments and graphs opens.



NAME
Dennis O

GENDER
Male

DATE OF BIRTH
1952/01/19 (Age 74)

EMR ID
--

VISIT DATE
2026/6/29

VISIT TIME
15:37

DOCTOR / TECH NAME
Vascuscreen System

SPECIALITY
Vascuscreen Screening

ADDRESS
407 Main Street, Suite 7A
Port Jefferson NY 11777

CLINIC OR HOSPITAL PHONE
516 750 8441

INSURANCE PROVIDER
--

INSURANCE #
--

GROUP #
--

HEIGHT
180 cm

WEIGHT
108 kg

Your Scores at a Glance

66%

CMR SCORE
Cardiometabolic Risk

28%

VASCULAR SCORE

26%

AUTONOMIC SCORE

12%

LIFESTYLE SCORE

RISK BASED ON THE SCORES

Cardiometabolic disease • Mild Risk

Risk factors based on the lifestyle score • Moderate Risk

Vascular complication(s) • Mild Risk

Autonomic complication(s) • Mild Risk

Assessment Overview

Vascular Assessment

Blood Pressure • Pre Hypertension

Arterial Stiffness • Borderline

Estimated CASP • Normal Range

Endothelial Function • Definite

Lower Artery Extremity • Initial Step 1

Lifestyle Assessment

Fat Level • Obese Type 1

Vital Sign • Normal Range

Exercise Capacity • Acceptable

Autonomic Assessment

Cardiac Autonomic Function • Initial Step 2

Sudomotor Function • Low Response

52 bpm
HEART RATE

95 %
SPO2

33
BMI

Light
ACTIVITY LEVEL

Assessment color code: • Normal Range • Acceptable • Borderline • Moderate • Severe

Markers Affecting Exercise Capacity

MARKER	WHAT IT REFLECTS	YOUR RESULT	REFERENCE RANGE
Heart Rate	Cardiac Cycles / Minute	● 52	50 to 85 (bpm)
SpO2	Blood Oxygen Saturation	● 95	94 or higher (%)
Systolic P.	Left Arm Maximum Arterial Pressure	● 129	130 or lower (mmHg)
Diastolic P.	Left Arm Minimum Arterial Pressure	● 85	80 or lower (mmHg)
rMSSD	Correlated to Exercise Recovery Index	● 25	Above 35 (ms)
LF/HF	Sympathetic Activity at Rest	● 2.71	0.6 to 2 (ratio)
SDANN	Correlated to Exercise Tolerance	● 27	30 or higher (ms)

Markers Affecting Nutrition

MARKER	WHAT IT REFLECTS	YOUR RESULT	REFERENCE RANGE
Stress Index	Correlated to Inflammation	● 253	180 or lower (Vs)
PTG SD Ratio	Correlated to Arterial Stiffness	● 0.6	0.42 or lower (Ratio)
PTG TP	Correlated to Insulin Resistance	● 493	406 or lower (ms ²)
PTG Index	Correlated to Upper Artery Atherosclerosis Risk	● 31	40 or higher (mV/min)
Body Fat Mass	(Fat Mass / Total Weight) x 100	● 32	Below 24 (%)
Worst No Peak	Correlated to Oxidative Stress	● 665	832 or higher (mV)

What Your Results Mean

Your overall cardiometabolic wellness score is 66 percent. This screening picked up several measurements within their expected ranges, along with a number of areas that fall outside their reference ranges and are worth discussing with your healthcare provider.

Your blood pressure reading is in the pre-hypertension range and your arterial flexibility is at the borderline level. Central aortic pressure was in the normal range. Your endothelial function reading was outside the expected range. Taken together, these vascular measurements suggest a moderate level of attention, and your provider may wish to review them alongside your medical history and current treatment.

The screening also looked at circulation in the legs. The overall readings suggest blood flow to the legs is acceptable with no clear evidence of a blockage, though there may be some early changes present. Ongoing monitoring and regular checkups are a sensible step.

In the autonomic portion, the standing and reflex measurements showed some patterns the system flagged for follow-up, and the sweat-response reading was lower than expected. These are areas your provider may want to monitor over time with repeat testing.

Several nutrition and metabolic markers, including inflammation, arterial stiffness, and body composition, came back outside their reference ranges. Your body composition places you in an elevated range, which can influence many of these other markers.

Your exercise recovery and exercise tolerance markers were below their reference ranges, which can suggest the body is recovering from activity more slowly than expected. Your lifestyle score points to meaningful opportunities for positive change. Please see your accompanying Wellness Plan for practical suggestions on activity, nutrition, and recovery, and share this report with your healthcare provider.

The suggestions below are general wellness ideas generated from your screening results. They are not medical advice, a diagnosis, or a treatment plan. Please review them with your healthcare provider before making changes.

Lifestyle Recommendations

- Keep a steady daily routine with light movement spread through the day rather than long periods of sitting.
- Check your feet daily and mention any tingling, burning, numbness, or skin changes to your healthcare provider.
- Take medications as prescribed and keep a simple routine so doses are not missed.
- Keep home blood pressure readings if your provider has suggested them, and bring the log to visits.

Nutrition Recommendations

- Follow any eating plan your healthcare team has already provided, and bring this report to your next nutrition conversation.
- Build meals around vegetables, lean protein, and whole grains, and consider limiting added salt and sugary drinks.
- Keep regular meal timing to support steady energy through the day.
- Discuss gradual, sustainable weight goals with your provider rather than rapid changes.

Exercise Recommendations

- Check with your healthcare provider before increasing activity intensity, given your health history.
- Gentle, regular activity such as walking is a commonly suggested starting point, building duration slowly.
- Consider light mobility or balance work a few times per week.
- Stop and rest if you feel chest discomfort, unusual shortness of breath, or dizziness, and contact your provider.

Stress Management Recommendations

- Try brief daily relaxation practices such as slow, deep breathing.
- Keep up social connection and enjoyable routines, which many people find steadying.
- Consider light time outdoors when weather and energy allow.

Sleep Recommendations

- Aim for a consistent sleep and wake schedule.
- Keep the bedroom cool, dark, and quiet.
- Limit caffeine in the afternoon and evening.
- Mention snoring, restless sleep, or daytime tiredness to your provider if you notice them.

Supplement Recommendations

- This screening does not point to any specific supplement need.
- Because you take prescription medications, review any supplement, including over-the-counter products, with your provider or pharmacist before starting it.
- Bring a full list of everything you currently take to your next visit.

Recovery & Regenerative Wellness Recommendations

- Allow easy days between more active days, and let recovery guide your pace.
- Gentle stretching after activity may help you stay comfortable and mobile.
- Practices like massage are commonly used for comfort; check suitability with your provider first given your health history.

When to Follow Up With Your Healthcare Provider

- Share this report with your healthcare provider soon rather than waiting for a routine visit, as several readings fall outside their reference ranges.
- Your provider may consider whether a specialist review of your heart and circulation results is appropriate.
- Contact your provider promptly if you notice chest discomfort, new or worsening foot symptoms, dizziness, or fainting.

Recommended Additional Testing (If Appropriate)

- Your provider may consider follow-up circulation or heart rhythm testing if they feel it is appropriate.
- A repeat autonomic screening is commonly suggested within several months for readings like these; your provider can set the right interval.
- Routine lab work such as blood sugar and cholesterol panels may be reviewed alongside these results.
- These are options to discuss, not required actions.

Recommended Follow-Up Timeline



Because several readings in this screening fall outside their reference ranges, an earlier follow-up scan of around 30 days is suggested to see how things are trending. Your healthcare provider may advise a different schedule based on your full health picture and existing care plan.

Progress Tracking (For Repeat Scans)

Bring this report to your next screening. The blank columns are for recording your next scan's results and the change between visits.

MARKER	THIS SCAN (2026/6/29)	REFERENCE RANGE	NEXT SCAN	CHANGE
Heart Rate	● 52	50 to 85 (bpm)		
SpO2	● 95	94 or higher (%)		
Systolic P.	● 129	130 or lower (mmHg)		
Diastolic P.	● 85	80 or lower (mmHg)		
rMSSD	● 25	Above 35 (ms)		
LF/HF	● 2.71	0.6 to 2 (ratio)		
SDANN	● 27	30 or higher (ms)		
Stress Index	● 253	180 or lower (Vs)		
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PTG Index	● 31	40 or higher (mV/min)		
Body Fat Mass	● 32	Below 24 (%)		
Worst No Peak	● 665	832 or higher (mV)		

INTERPRETING PHYSICIAN'S NAME AND
SIGNATURE

DATE

DOCTOR / TECHNICIAN NAME AND
SIGNATURE

DISCLAIMER: This report is a wellness screening summary and is not a medical diagnosis. All results should be considered within the clinical context of the patient's case, history, symptoms, known diagnoses, findings from other diagnostic studies, current medications, treatment plan, and therapies. The interpretation of the results is the responsibility of the reviewing medical professional. The recommendations in the Wellness Plan section are general wellness information generated from screening data. They are not medical advice, a prescription, or a treatment plan, and any changes to diet, exercise, supplements, or routines should be discussed with a qualified healthcare provider. Please share this report with your healthcare provider.

— Practice Integration

Built for Primary Care Workflow



Approximately 10-Minute Screening

Rapid assessment designed to fit within standard appointment slots without creating bottlenecks.



Minimal Staff Training Required

Intuitive system operation allows medical assistants to perform screenings with brief training.



Ideal for Annual Preventive Visits

Perfectly aligned with wellness exams and routine physicals to maximize client capture.



Supports Longitudinal Monitoring

Establish baselines and track subtle physiologic changes over years of client care.



Non-Disruptive Integration

Seamlessly adds value without altering core practice operations or provider workload.

Downstream Preventive Opportunities



Preventive Cardiometabolic Programs

Highlight physiologic trends that may support preventive health strategies before chronic conditions develop.



Lifestyle Optimization Discussions

Use objective data to motivate clients towards measurable improvements in activity and stress management.



Nutrition and Supplement Guidance

Tailor dietary recommendations based on individual metabolic and vascular performance metrics.



Remote Wellness Monitoring

Extend care beyond the clinic with tools that track longitudinal physiological trends at home.



Structured Follow-up Engagement

Establish a recurring cadence of care to review progress and adjust wellness plans proactively.

Screening insights may support conversations around lifestyle, wellness, and preventive health strategies. Specific programs depend on provider judgment and client needs.

No Capital Investment. New Revenue Opportunity.



Minimal Financial Exposure

- No equipment purchase required
- No capital expenditure
- No lease obligation
- No financial risk for qualified practices



Per-screen Revenue Opportunity

- Predictable per-screen revenue
- Cash-based preventive service expansion
- Repeat annual, semi-annual, or quarterly screening
- Increased client retention
- Scalable recurring revenue model

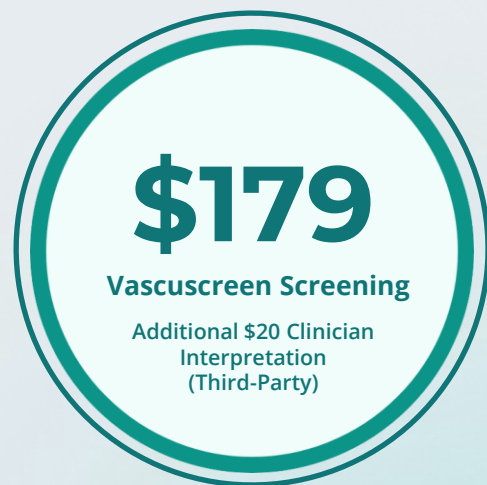


Minimum of 4 screening per day on average

Value Proposition

Accessible Preventive Screening Value

A comprehensive physiologic screening available for **\$179**, with licensed clinician interpretation available



- ✓ Accessible Preventive Screening
- ✓ Breakdown of \$199 Service
 - **\$179** - Vascuscreen Screening & Reporting
 - **\$20** - Clinician Interpretation (Third-Party)

Vascuscreen provides physiologic screening and reporting, with licensed clinician interpretation available through a third-party provider

Preventive Screening Cost Context

Cardiac Diagnostic Testing

\$500 – \$2,000+

Circulation Diagnostics

\$300 – \$1,000

Nerve / Stress Testing

\$300 – \$800

Vascuscreen Screening

Best Value

\$179

\$179 Flat Rate

****\$20** Clinician Interpretation (Third-Party)

Recurring Revenue Opportunity for Clinics & Practices

Screenings generate **predictable revenue** with minimal workflow disruption

Estimated Clinic Net Per Screening

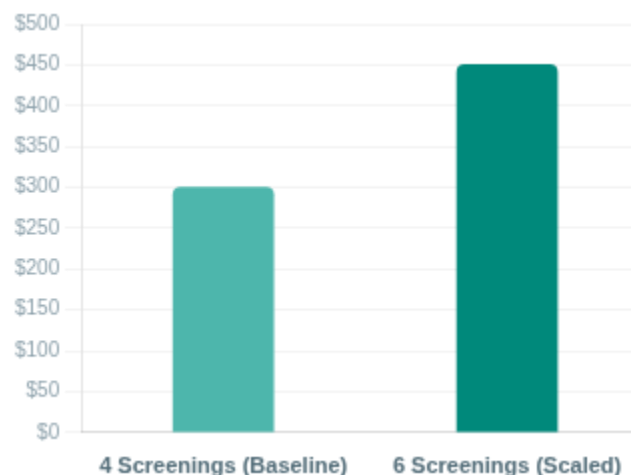


● Clinic Net ● Tech & Interp

Per screening after clinician interpretation and platform allocation

Hourly Capacity

Max \$450/hr



Based on 10-minute screening slots

Monthly Projection

Growth Model

Monthly Revenue

\$6,000
Per Month

4 screenings/day × 20 days

Based on minimum 4 screenings per day integrated into existing client flow



No Equipment Cost

Zero upfront capital investment required.



Insurance Billing Not Required

Simple cash-pay model eliminates claims.
Billable CPT codes are available, pls inquire.



10-Minute Screen

Fast workflow integration for support staff.



Screening revenue opportunities integrated into existing wellness programs

Illustrative revenue model. Actual results may vary based on clinic pricing, participation, and service structure. Includes third-party clinician interpretation within the total screening fee.

Flexible Payment Options for Clients

Supporting Access Through Existing Benefit Dollars



FSA / HSA Eligible

Screening services may qualify under many Health Savings Account (HSA) and Flexible Spending Account (FSA) guidelines.



Use Pre-Tax Healthcare Dollars

Allows clients to utilize their pre-tax healthcare funds for preventive screening, maximizing the value of their benefits.



Reduces Out-of-Pocket Burden

Leveraging benefit accounts minimizes direct out-of-pocket expenses, making advanced preventive screening more accessible.



Encourages Preventive Participation

Financial flexibility removes barriers to entry, encouraging higher client engagement in proactive wellness initiatives.

Clients should consult their plan administrator for specific eligibility details.

Why Physicians are Adopting Vascuscreen



Expands Preventive Care

Expands preventive care conversations by highlighting vascular and autonomic physiologic patterns that may not be visible during routine exams.



Adds Objective Data

Provides quantifiable physiologic metrics to track arterial elasticity and autonomic balance, moving beyond subjective reporting.



Enhances Engagement

Visual, color-coded client reports transform complex biologic data into motivation for better lifestyle decisions.



Recurring Revenue

Establishes a reliable, cash-based revenue stream without insurance billing headaches or capital equipment costs. *Billable CPT codes are available*

✓ No upfront investment required. **Immediate clinical and financial impact.**

Next Steps

Strengthen Preventive Care. Expand Client Insight. Increase Practice Revenue.

Advanced vascular and autonomic screening
designed for modern preventive primary care.
Support preventive care discussions with
additional physiologic insight.

Schedule Consultation or Explore Implementation



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