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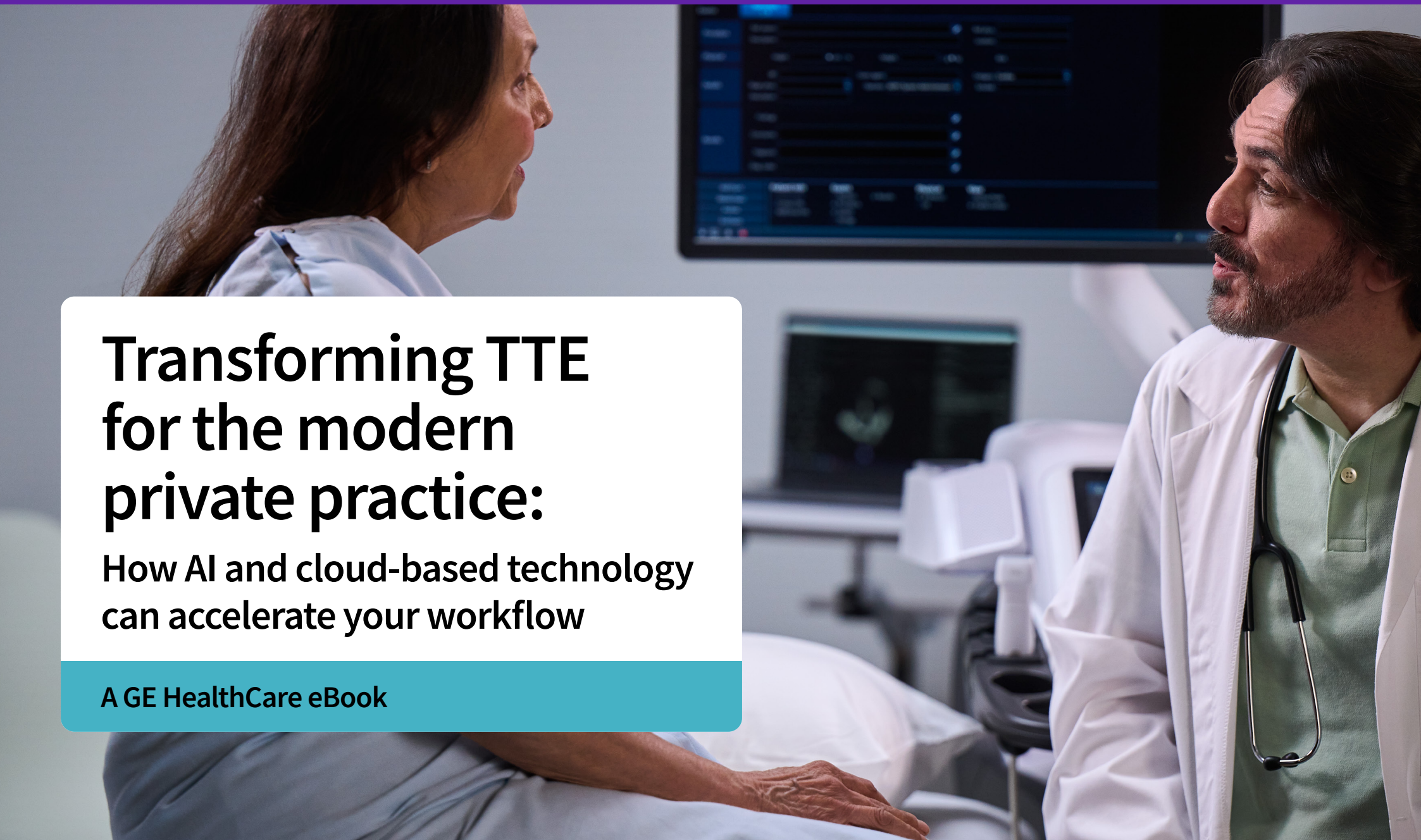


Transforming TTE for the modern private practice:

How AI and cloud-based technology can accelerate your workflow

A GE HealthCare eBook

The big picture: global impact of CVD on patients and practices

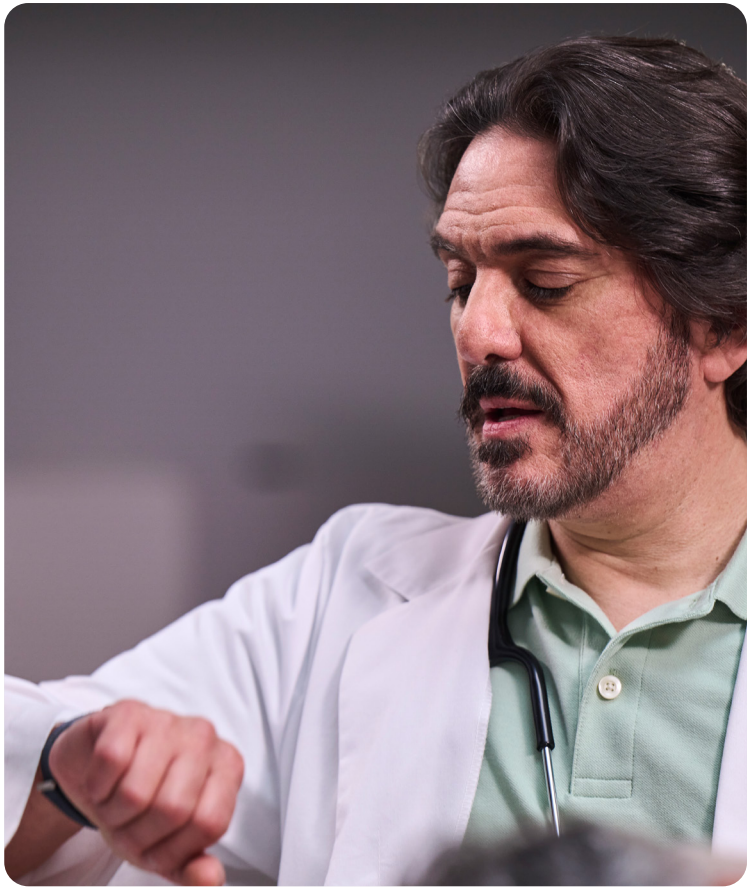
Cardiovascular disease (CVD) is the leading cause of mortality across the globe.[1] The pervasive mortality and quality-of-life issues associated with CVD demand quality, proactive, and timely care from providers in the field, including private cardiology practices.

Transthoracic echocardiogram (TTE) has emerged as one of the primary diagnostic avenues to assess heart health,[2] accounting for a significant and growing portion of all global cardiac assessments.

As more and more adult patients require testing each year, a majority of these exams are being performed in outpatient settings, and private practices are among the fastest-growing venues for testing.

This growing caseload, combined with continued staff and resource limitations are putting more pressure than ever on private cardiology practices to keep up without compromising quality.

Unsustainable: Today's problems can't be solved by yesterday's solutions



As demand for echocardiography continues to grow, the challenge many teams face is how to sustain that precision at scale. The stark reality is that manual echo processes are no longer sustainable for private-practice cardiology care providers.

The isolated incidents of friction that may have been manageable in the past now bleed into one another, constraining throughput, extending reporting timelines, and placing added strain on clinical teams.

Time and effort spent on manual data entry, navigating interfaces, and shifting between leads to delays in exam completion, lack of clinical consensus due to variability, and take valuable time away from patient engagement. It also eats into your team's quality of life as you devote valuable personal time and energy to completing reporting and documentation after hours.

In the meantime:

Private-practice cardiologists continue to report feeling burnt out at an elevated rate, citing **lack of time** as a leading factor.[3]

Over 50% of clinicians report not having enough time or resources to care for patients and their families.[4]

The average patient wait time for private practice care can exceed **20 minutes** before any specialized testing is even performed.[5]

The future of TTE and what it means for your practice

Adult TTE has become integral to the continuum of cardiac care across the globe. In the United States, for example, annual tests are expected to increase to around 28 million by 2026. This represents an increase of over 2% over 5 years. At the same time, Western European countries are expected to see around 23 million annual TTE procedures by 2026, representing a growth rate of over 3% over 5 years.[6]

While this represents an incredible opportunity for your practice, it also means that the resource scarcity, staff limitations, and time constraints that have impacted you in the past are only likely to be compounded without a significant shift in your TTE workflow.

United States

28 million
annual tests by 2026

2% increase
over 5 years

Western European countries

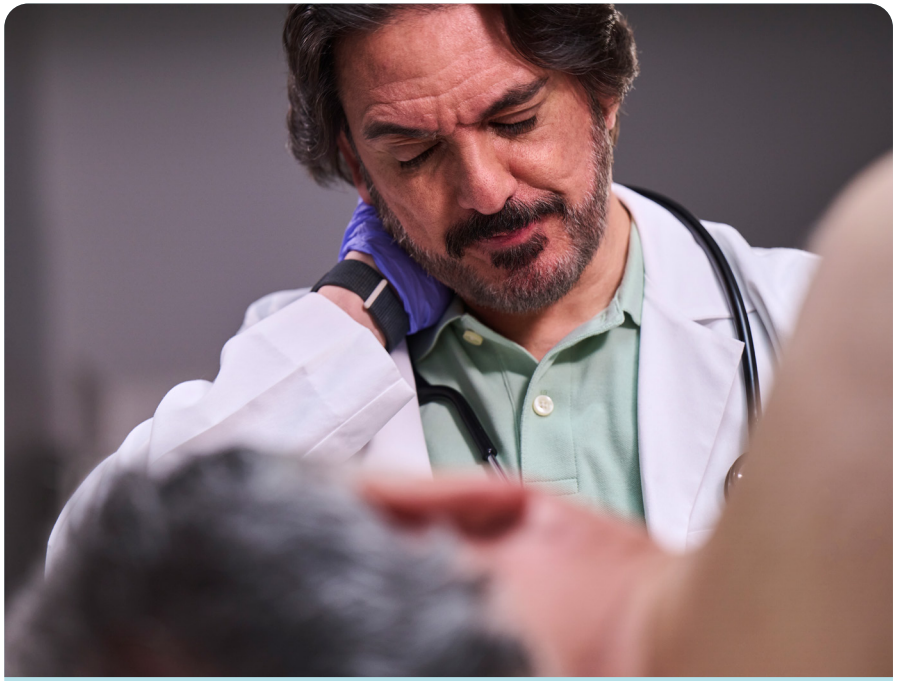
23 million
annual tests by 2026

3% increase
over 5 years

Knowledge is power: Identifying unseen gaps and bottlenecks in your TTE workflow

Minutes make hours, and hours make days. Although you may not necessarily realize their impact in the moment, unseen echo workflow factors can quickly add extra hours to your day:

- Manual image acquisition and measurement require precision and add considerable time to each scan. It can sometimes take **30 minutes or more just for imaging**, depending on the experience of the operator, echogenicity of the patient, underlying heart condition, and other factors.[7]
- Report generation can take **hundreds of clicks** and extra manual effort, often requiring clinicians to complete it after hours.*
- **Disparities in measuring**, **labeling**, and **documentation methodology** lead to duplicative efforts and exam inconsistency, diminished clinical confidence, delayed diagnosis, and fragmented care.



The continued pressure on private-practice cardiologists to provide optimal care, coupled with the clear limitations of the legacy manual TTE workflow require a forward-thinking, reliable, and proven solution that prioritizes speed and efficiency without compromising the quality, accuracy, and reliability of scans and results.

* Based on a single GE HealthCare internal comparative time study performed on a Vivid ultrasound system using traditional manual processes vs workflow using ViewPoint EchoPilot with auto-measurement capabilities. All final reports still required final clinical interpretation by qualified physician. Illustrative example. Actual results will vary based on patient's case complexity, experience of a performing clinician and your institution's circumstances. DOC3182533 (Rev 1). July 2025.

Leveraging AI and Cloud-Based Technology toward A Smarter TTE Workflow

Automation of key parts of the TTE scanning and reporting processes dramatically simplifies and accelerates the process, helping your practice significantly increase throughput and spend more time with your current patient population. Cloud-based, AI-enabled solutions can help automate the echo workflow from start to finish. These tools have the power to complete the bulk of the measurement and reporting process in seconds, including:

Completing draft reports

Identifying views

Labeling images

Generating measurements

Clinicians can then refine reports and measurements as needed once they’re generated so they don’t have to create them from scratch.

By the numbers: Proven efficacy of AI and cloud-assisted TTE

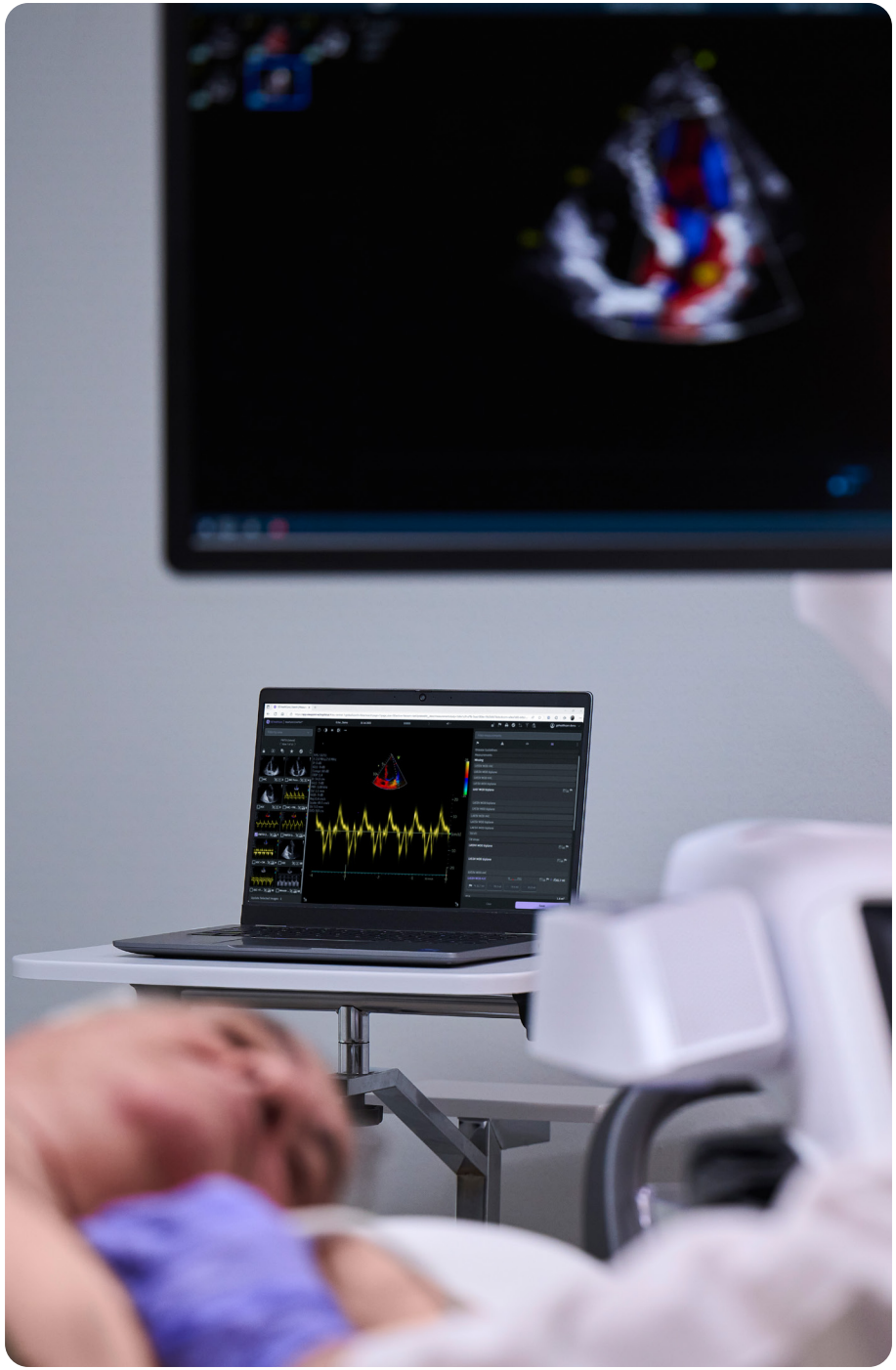
Data from GE HealthCare internal research indicates that cloud-based AI offers a significant measurable impact on TTE workflow, including scan time, report and end-to-end workflow in comparison to traditional manual process:

Up to
65%
reduction in clicks for image and measurement acquisition

A reduction of scan time by up to
50%

A reduction in clicks from an average of
73 **to as few as** **10**
during report generation

Up to
46%
faster total exam time from image capture to final report*



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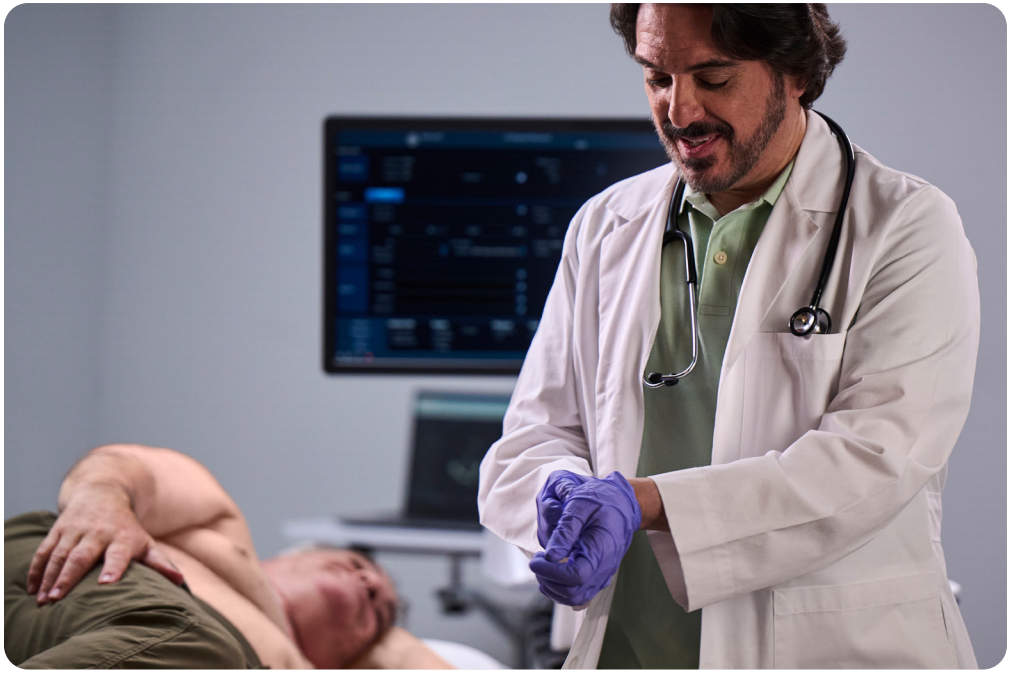
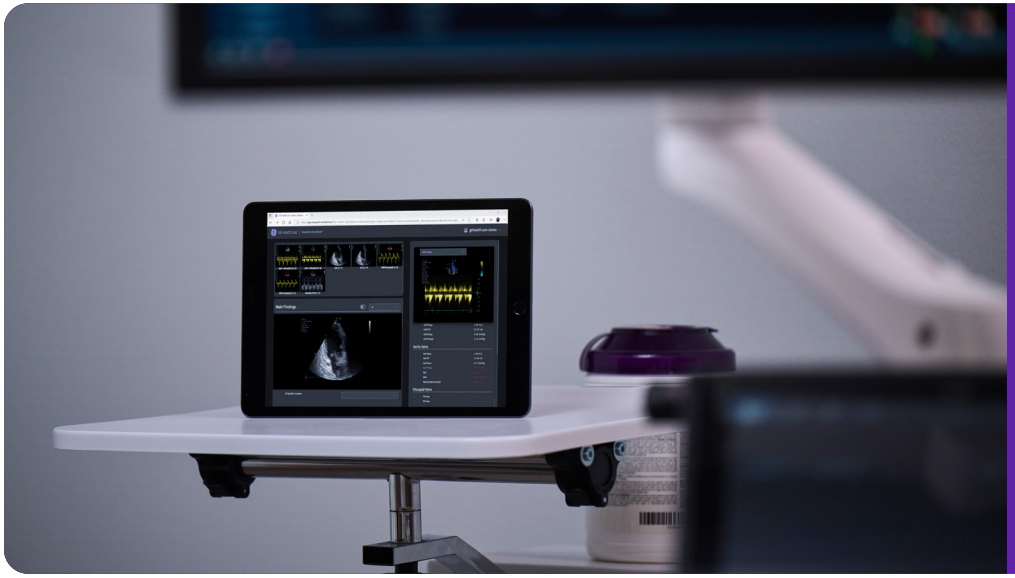
What this looks like for you and your team

This reduction in time and manual effort translates to hours given back to you and your staff per week without sacrificing scanning and reporting accuracy, which can lead to:

- Increased clinician fulfillment
- Deeper and prolonged patient engagement
- More time back for yourself each day
- Increased revenue opportunities





A partner, not a replacement

AI and cloud-based technology is meant to work *with* your staff, not *instead* of them. These tools have the capabilities to add valuable support to human-level clinical judgment while reducing repetitive manual tasks. They allow your staff to operate at their full potential and treat patients with the passion and dedication that guided them toward a career in healthcare from the start.

Jumping In: Choosing the TTE workflow tools for your practice

As vast and undeniable as the benefits of AI-assisted TTE are, it can be hard to find an avenue of entry. It's important to choose a solution that allows your practice to hit the ground running, minimize the learning curve, and start reaping its time-savings and ROI benefits as soon as possible. Look for an option that offers scalability to accommodate your evolving needs.

Automated measurements for **reduced manual effort**

Offers **real-time access** for "then-and-there" review and editing

Precision and accuracy gleaned from a machine learning algorithm trained on a deep and robust image library

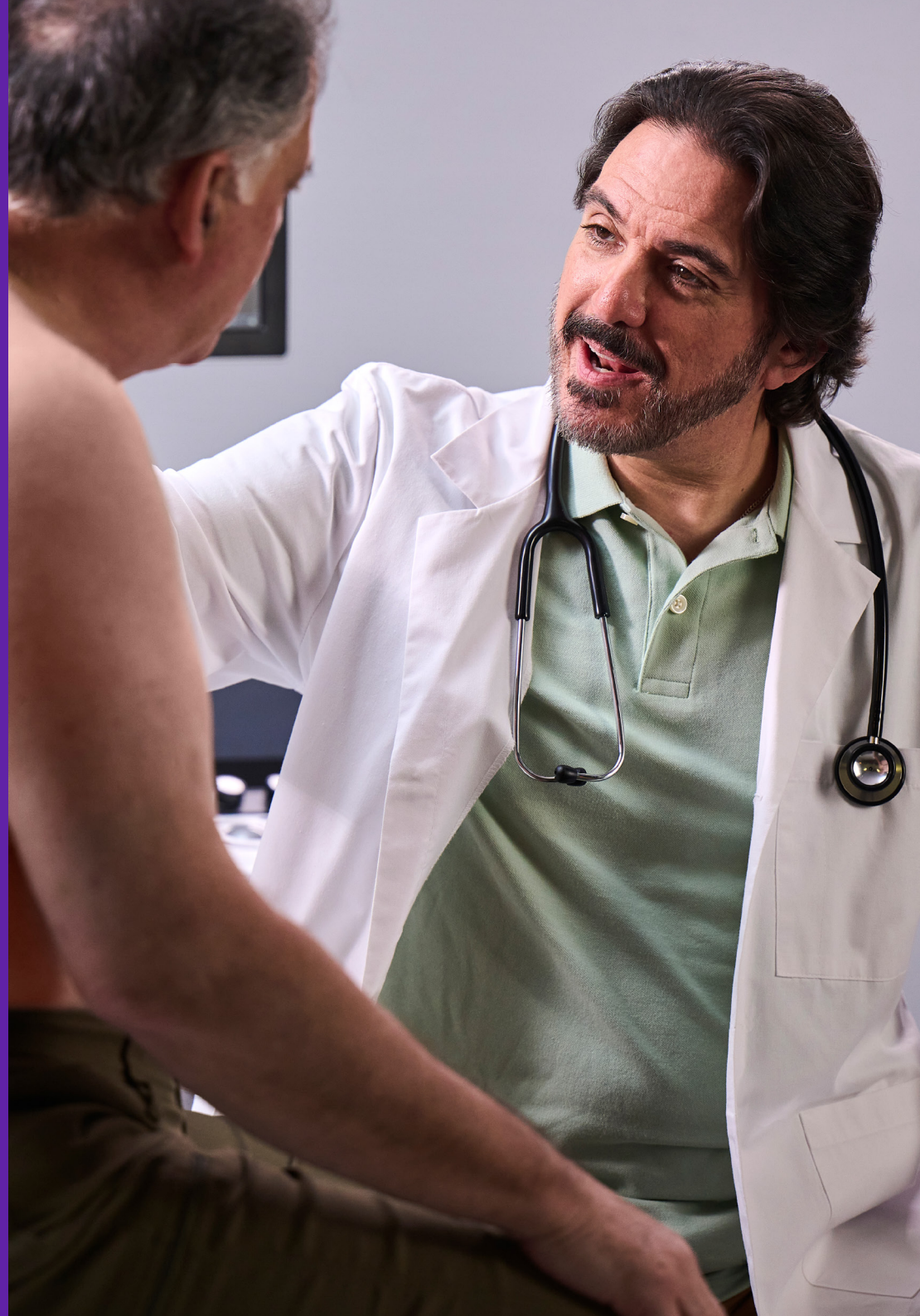
Clear and responsible transparency of the **AI framework and calculations**

Accommodates **consistency**, **standardization** and supports patient follow-up

It's also important to find a solution that can **easily integrate with your existing infrastructure**.

Go from echo to insights in seconds and harness the future of AI for your practice and your patients

AI and cloud-based technology offer your practice the rare opportunity to turn back the clock during your day and week while propelling you into the future of echo workflow. The right solution can help you transform your workflow to meet the challenges of increased patient demand without causing disruption to your current technological footprint or infrastructure. Reclaim your time, realize your potential, and rescue your practice from time-consuming, manual workflow.



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