

GE Healthcare

Strong bones.
It's vital.

Achilles Bone Ultrasonometers

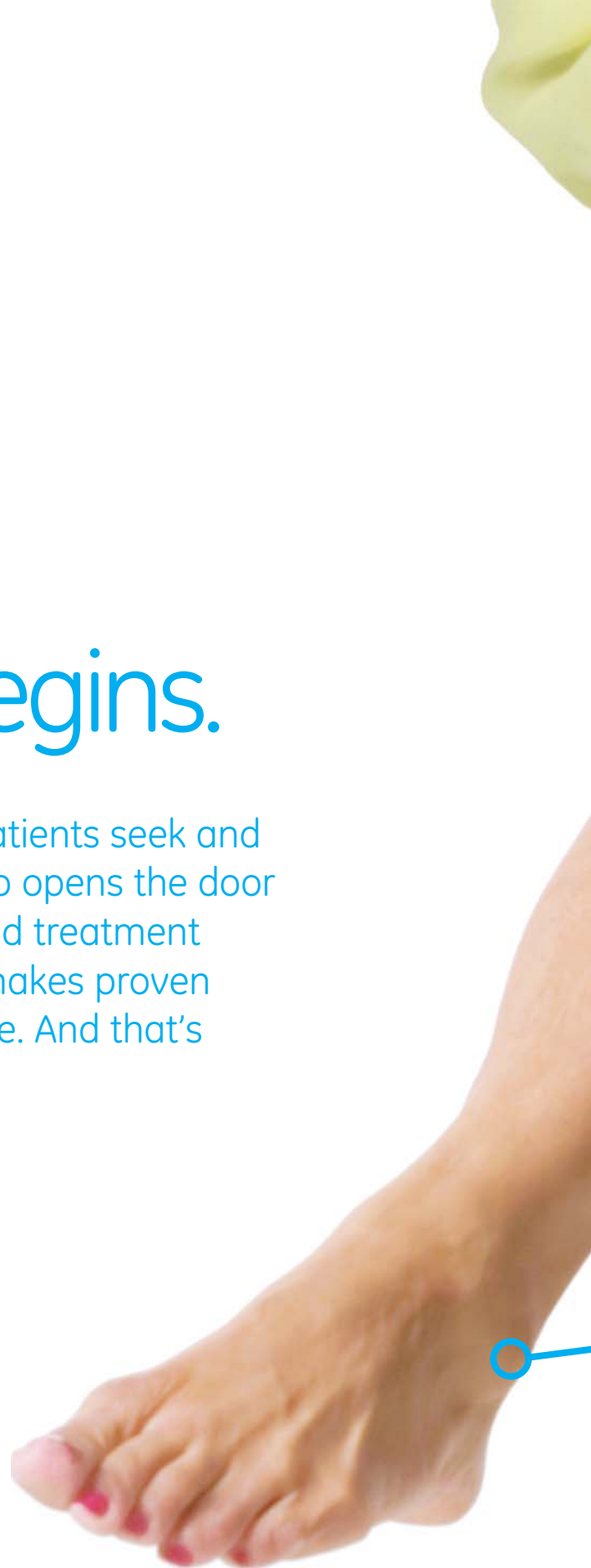


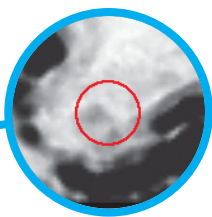
You.

Where vitality begins.

As a health professional, you help your patients seek and achieve lasting quality of life. It is you who opens the door to bone health assessment, diagnosis, and treatment or prevention. Achilles* is here to help. It makes proven fracture risk assessment widely accessible. And that's vital for you and your patients.

Achilles offers accurate fracture risk assessment that is comfortable for patients and convenient for operators. All to help you provide better care to more patients.





Fracture risk assessment proven in 11 prospective clinical studies.

The accuracy of the Achilles family of bone ultrasonometers has been proven in more clinical studies than any other quantitative ultrasound (QUS) device.¹ Results with Achilles closely match the efficiency of DXA, the industry's gold standard, in assessing fracture risk of the hip and spine.^{1,2,3}

Osteoporotic fracture risk assessment as discriminating as DXA at the hip and spine.

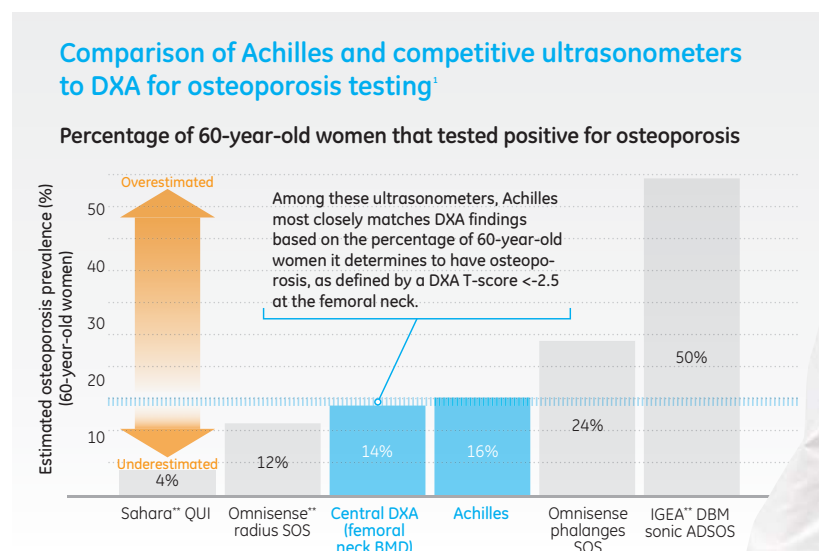
The osteoporotic fracture risk assessment provided by Achilles closely matches prevalence as defined by central DXA (see chart below).¹ Yet it's fast and affordable.

Its high negative predictive value — 97 percent for 50- to 59-year-old Caucasian women — makes Achilles especially useful for discriminating between those not at risk for fracture and those in need of further evaluation by central DXA.⁴

Additionally, Achilles has proven long-term precision, making it useful for monitoring bone changes.^{5,6,7} It's the only QUS device cleared for monitoring by the Food and Drug Administration.

Clinical confidence is based on many features:

- ▶ Dynamic signal strength compensation allows measurement over a wide range of bone density
- ▶ Bi-directional measurement ensures a consistent reading
- ▶ Measurement site temperature is controlled for more accuracy
- ▶ Results expressed as Stiffness Index — a composite of Speed of Sound (SOS) and Broadband Ultrasound Attenuation (BUA) — compensate for the effect of heel width and temperature
- ▶ Real-time image provides visual confirmation of proper heel placement (Achilles Insight only)



Better care can be anywhere with Achilles

Achilles provides fast, affordable, easily portable care, helping you reach more patients with the accurate assessment and follow-up care they need.

Certainty.

A photograph of an elderly couple and a young boy running through a grassy park. The man on the left is wearing a light grey sweater and a thick orange scarf. The woman on the right is wearing a light pink sweater and a matching orange scarf. The boy in the foreground is wearing an orange vest over a white long-sleeved shirt and blue pants. They are all smiling and appear to be enjoying their time outdoors. In the background, there are modern high-rise buildings and trees with autumn foliage.

Awareness
and education
can lead to
strength and
vitality.

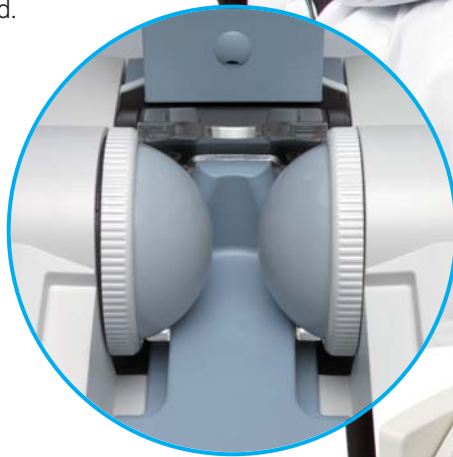
Protect their vitality.

Comfort.

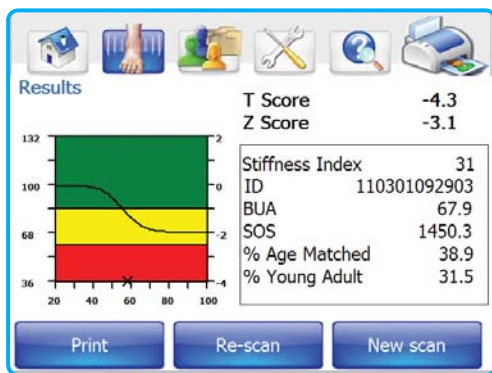
A quick and comfortable exam is the first step toward vitality.

With Achilles, the patient experience is pleasant. The exam is quick: just a few minutes from shoes off to shoes on. The patient is seated. No messy gels are needed. Its ultrasound technology emits no ionizing radiation.

Warm, water-filled membranes hug the heel.



A large, easy-to-read color display tilts back and forth.



Convenience.

Efficient, customizable workflow.

Your staff will appreciate the simplicity of Achilles. It's easy for technicians to learn and to use, and it requires no special rooms, no formal training, and no licensing. Results are concise and easy to interpret.

Along with rugged durability, Achilles boasts plenty of technical features. A large, easy-to-read color display tilts back and forth. Reports print out in full color and full size. The on-board memory stores up to 2,000 patient records. And customizable measurement workflows allow you to select which data to collect and report:

- ▶ Prevalence data
- ▶ Clinical risk factors
- ▶ Patient identification data



Facility Name
Street Address
City, State, Zip
Phone Number

Name:
Age / Date of Birth: 50 yrs.
Sex: Male
Heel: Left

Patient ID:
Physician:
Test Date:

STIFFNESS

T SCORE

Stiffness Index: 72	T-Score: -1.8	BUA: 54.4
% Young Adult: 72	Z-Score:	SOS: 1500.0
% Age Matched:		


Clinical Risk Factors:

Previous fracture, Smokes, Drinks

Comments: Medium risk of osteoporotic fracture.

Follow Up: None 6 Months 12 Months 18 Months 24 Months

GE Healthcare Lunar Achilles EXP II SN: 99999 Software Version 1.0

 imagination at work

Vitality for your patients means vitality for your business

When more patients know their risk of fracture, there are benefits for you and your business, too. The ongoing monitoring capabilities of Achilles, as well as the fast, comfortable exam, all can contribute to increased patient loyalty.

Do you want to raise awareness of osteoporosis among the general public? Assess risk to make the most efficient use of your central DXA system? Or provide direct osteoporosis management? Whatever your goal, Achilles can help.

► Contact your GE Healthcare representative for more information on Achilles

Leading hospitals, clinics, and physicians trust Achilles to help provide better care for their patients.

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4. Simon D, Boring III JR. Chap. 6: Sensitivity, Specificity, and Predictive Value. In: HK Walker, WD Hall, JW Hurst, ed. *Clinical Methods: The History, Physical, and Laboratory Examinations*, 3rd edition. Boston: Butterworths; 1990.
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6. Giordano R, Paparella AP, Lorusso D, Mancuso S. Effects of oral alendronate treatment and discontinuance on ultrasound measurements of the heel in postmenopausal osteoporosis. *North American Menopausal Society*, September 1996.
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About GE Healthcare:

GE Healthcare provides transformational medical technologies and services that are shaping a new age of patient care. Our broad expertise in medical imaging and information technologies, medical diagnostics, patient monitoring systems, drug discovery, biopharmaceutical manufacturing technologies, performance improvement and performance solutions services help our customers to deliver better care to more people around the world at a lower cost. In addition, we partner with healthcare leaders, striving to leverage the global policy change necessary to implement a successful shift to sustainable healthcare systems.

Our "**healthymagination**" vision for the future invites the world to join us on our journey as we continuously develop innovations focused on reducing costs, increasing access and improving quality around the world. Headquartered in the United Kingdom, GE Healthcare is a unit of General Electric Company (NYSE: GE). Worldwide, GE Healthcare employees are committed to serving healthcare professionals and their patients in more than 100 countries. For more information about GE Healthcare, visit our website at www.gehealthcare.com.

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imagination at work