Scoliometer App Hits 1M Downloads, 10 Years of Research-Backed Screening

Celebrating 10 years and 1M downloads, the Scoliometer App empowers families and clinicians to screen scoliosis early—anywhere, without radiation.

1 Million Downloads • 10 Years of Trusted Screening

SINGAPORE, ORCHARD ROAD, SINGAPORE, October 24, 2025 /EINPresswire.com/ -- Scoliometer App Marks 10th Anniversary — Surpasses 1 Million Downloads; Research-Backed Smartphone Screening Puts Families and Clinicians in Control

ScolioLife today celebrates ten years of the Scoliometer App and a major milestone: over 1,000,000 downloads worldwide. First released in 2015, the Scoliometer App brings clinic-style trunk-rotation measurement (Angle of Trunk Rotation, ATR) to smartphones—helping spine professionals and families monitor scoliosis accurately, affordably, and without radiation between X-rays.

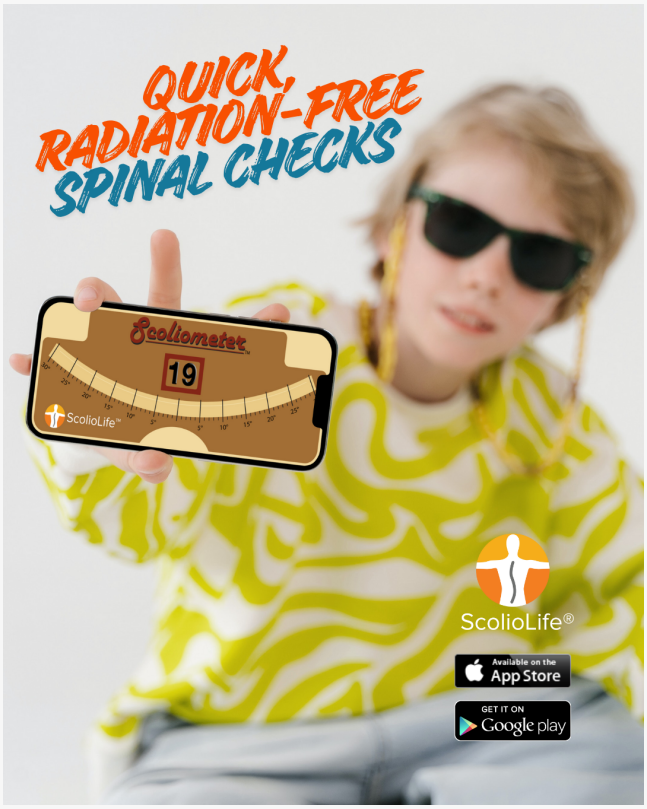
“One million downloads tells us people want accurate scoliosis monitoring they can trust and actually use,” said Dr. Kevin Lau, founder of ScolioLife. “A decade in, we remain focused on clinical rigor and accessibility—so professionals and parents can make confident, timely decisions.”

Why We Built It: Closing Screening Gaps in Our Region

ScolioLife operates clinics in Singapore, Malaysia, and Indonesia. Singapore has a long history of school-based scoliosis screening that reached nearly the entire 11–12-year-old cohort, demonstrating how organized programs can detect curves when bracing is most effective.

In contrast, routine national screening remains uneven across the region. Malaysia's largest school-screening study showed a 2.55% prevalence and a positive predictive value of 55.8%, supporting early detection but also underscoring the need for scalable, cost-effective tools. Indonesia studies likewise highlight school-age prevalence and practical cut-offs (e.g., 7° ATR) suitable for screening—yet nationwide, systematic scoliosis screening is not uniformly implemented. The result: many children are missed until curves are larger.

Treating scoliosis young is critical: early identification improves the window for non-operative correction (e.g., bracing, targeted exercise) and can reduce later surgical needs. Leading orthopaedic organizations (AAOS, SRS, POSNA, AAP) endorse the benefits of earlier detection and non-operative management of adolescent idiopathic scoliosis.



Quick, radiation-free scoliosis checks

We're also seeing younger children affected. "Early-onset scoliosis" is defined as scoliosis before age 10—including children as young as six—making home monitoring by parents especially valuable between clinic visits.

> 1M downloads show people want scoliosis monitoring they trust and use. A decade on, we're doubling down on clinical rigor and access so pros and parents can make confident, timely decisions."
>
> *Dr. Kevin Lau, Founder of ScolioLife®*

The Scoliometer App empowers parents in Malaysia and Indonesia—where routine school programs may be limited—and supports families in Singapore between scheduled checks, offering a simple way to watch spinal growth and escalate care early when measurements change.

What the Evidence Says: Peer-Reviewed Support for Smartphone Scoliometry

A growing literature validates smartphone inclinometer/scoliometer approaches for ATR measurement—supporting their use alongside traditional tools:

• Agreement with standard scoliometer: Early validation work showed strong agreement between an iPhone scoliometer app and the traditional device, supporting smartphone use for ATR.

• High reliability: Subsequent studies reported excellent intra- and inter-observer reliability for smartphone ATR measurements in children with scoliosis.
• Parents can measure reliably: A 2022 study found non-professional users (parents) achieved reliable, valid trunk-asymmetry measures and made appropriate consult decisions in most cases—bridging home and clinic monitoring.
• Screening value & early action: Reviews and guidelines note that screening detects AIS and that bracing (and possibly exercise) can slow or interrupt progression when initiated early.
• Emerging app-based imaging: Newer smartphone surface-topography methods show high diagnostic accuracy for detecting clinically significant scoliosis (AUC ≈ 0.95 in a multicenter study), underscoring the potential of phone-based tools to triage who needs imaging.
Bottom line smartphone scoliometry is a credible, practical way to screen and monitor scoliosis in clinics, schools, and homes—and to prompt timely referrals for radiographs or specialist care when thresholds are crossed.

Help your child grow straight

What's Inside the Scoliometer App (Today)

• Guided ATR measurement** with a clear, step-by-step flow to support consistency for clinicians and first-time parents alike.
• Designed for clinic and home use**—portable for outreach and dependable for between-visit checks.
• Multilingual interface** to broaden access globally.
• Expanded measuring range** to accommodate a wider spectrum of trunk asymmetry.

"We've focused on making accuracy approachable," added Dr. Lau. "Clear instructions, repeatable workflows, and language support mean more consistent data—whether you're a spine specialist or a parent checking after school."

Roadmap: From Measurements to Meaning

• Trend graphs & alerts to flag meaningful change and support earlier intervention.
• Clinic-ready summaries & exports to streamline documentation and telehealth.
• Built-in education (short videos, 'what to do next' checklists for families).
• Next-gen device support (new phone sensors, depth/LiDAR as applicable).

• Research partnerships to expand validation in broader cohorts and to explore predictive models of curve progression.

About ScolioLife

ScolioLife builds accessible digital tools for scoliosis care and operates clinics in Singapore, Malaysia, and Indonesia. The Scoliometer App (iOS/Android) transforms a smartphone into a practical scoliosis screening companion for professionals and families, with a decade of iteration and a research base supporting smartphone ATR measurement. Learn more at https://scoliometer.app/.

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