Bone Health Solution

Intelligent Healthcare

New Pathways for Smart Population Healthcare Management

Nanox.AI goes beyond its commitment to save lives in acute settings, to advancing value-based population healthcare management on a large scale, pioneering tomorrow's medical imaging AI.

Using patient imaging data **already available** to the healthcare system, our proven solutions highlight early, previously undetected signs of common chronic diseases. These new findings can then initiate further medical assessment to establish individual preventative care pathways for patients.

Improved Patient Care-Everybody Wins

Integrated delivery networks and payers benefit from this technology through more accurate risk-adjustment, timely intervention, and improved quality of health services, while significantly reducing the associated costs.

Cloud-based Seamless Integration

Our reliable, seamless technology now enables more accurate reimbursement, so that more vulnerable patient populations can lead longer, healthier, more active lives.

WE'VE GOT YOUR BACK!

Osteoporosis affects about **one in three women and one in five men** over the age of 50, with about 2 million fractures attributed to it annually in the US alone. The World Congress on Osteoporosis claims that 75% of Vertebral Compression Fractures (VCFs), one of the signs of the disease, go undetected or unreported. Detection of VCFs is paramount in the effort to decrease the number of hip fractures through both therapeutic and preventative interventions.

Nanox.AI's fully automated Bone Health solution identifies VCFs on commonly performed chest or abdomen CT scans **already available**, helping physicians curb the future consequences of osteoporosis, without exposing patients to additional radiation.

Our Bone Health Solution

Nanox.AI's Bone Health Solution is ideal for any healthcare organization looking to improve the long-term wellbeing of patients in the 50+ age group. Whether or not you have a bone health champion, Nanox.AI's Bone Health AI solution will help automatically identify patients with as yet undetected osteoporosis who are at risk for related fractures.

The University of Oxford has already seen impressive ROI results from the successful implementation of Nanox.AI's Bone Health solution-higher patient enrollment and dramatic HMO savings with the same manpower and resources. In their own words:

> "We ran a pilot with Nanox.AI's vertebral compression fracture algorithm with the purpose of evaluating how AI based technology can help increase patient flow into Oxford's Fracture Liaison Service (FLS). The pilot was successful, as accuracy was above 90%," Dr. Javaid states, "We were quite pleased with the Nanox.AI pilot and results, and as such are expanding our use of the technology to increase the patient flow into our FLS program in 2018 and 2019."
>
> **Dr. Kassim Javaid, University of Oxford**

BIG NEWS

In a landmark approval, the American Medical Association (AMA) issued a specific CPT code for AI based automatic analysis of VCFs, a sign of osteoporosis. This is an important step in proper risk-adjustment of populations towards widespread preventative care, and a game changer in the long term management of this terrible disease.

*Effective January 1, 2022.

HOW IT WORKS

- Nanox.AI solution's software analyzes any existing CT chest or abdomen scan in the PACS system.
- Running over thousands of cases in minutes, it identifies those with suspected VCF.
- Radiologists validate the algorithm's output and add it to their report.
- Patients are referred to primary care physicians for osteoporosis workup.
- Patients are prescribed a preventative care plan to prevent major osteoporotic fracture.

WHO BENEFITS AND WHY

- **Patients, Above All**
- Insurers, Integrated Healthcare Organizations and Other Payers Focused on Value-based Care
- Sites with Fracture Prevention or Population Management Programs
- Medicate Advantage Programs

THE VALUE

- Obtaining actionable information from chest or abdomen CT scans performed.
- Improved detection of patients at high risk for major osteoporotid fractres.
- Lightening the burden on healthcare systems through targeted preventative care.
- Risk-adjust patients, making eligible for preventative treatment plans.

Technology and Installation

A constant stream of CT scans that include the spine are forwarded from the PACS and sent anonymously to the cloud-based Nanox.AI Analytics platform. Nanox.AI's Bone Health Solution automatically analyzes them, identifying and highlighting the cases where a VCF is found.

Sagittal images of the spine are presented for each case. Radiologists review the Nanox.AI results available in the PACS at the workstation, then add them to their report.

Nanox.AI integrates seamlessly with any PACS system, and can be installed on the cloud or on-premises.

FDA cleared and CE Marked

Version 4.6.10, October 26, 2021

We invite you to request a demo →

www.nanox.vision/ai
Contact Us: info.ai@nanox.vision