Soombit.ai

AIRead-CXR

Efficiency That Changes the Game
Quality That Exceeds the Benchmark

Soombit.ai AIRead-PACS

1 Left hydropneumothorax with left lung collapse.
2 Right pleural effusion.
3 Right paratracheal stripe widening.
4 Extensive subcutaneous emphysema.

Ha Q. Nguyen et al. "VinDr-CXR: An open dataset of chest X-rays with radiologist's annotations"

AIRead-CXR → Open Image & AI-Report → Review & Approve

Before → Open Image → Analyze → Diagnose → Type or Dictate → Approve
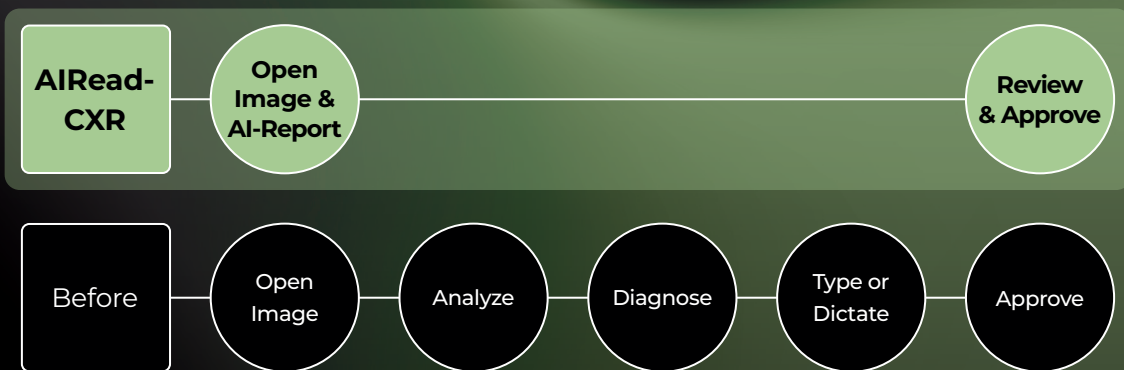
14M⁺
Trained on 14M+ multi-national studies for Robust generalization & reliable performance

42%
A consistent 42% reduction in reading time across both normal and abnormal cases.

4.0 / 5
A quality score that exceeds the human benchmark (3.6), ensuring superior accuracy.

Soombit.ai Inc. 9-22, Pangyo-ro 255beon-gil, Bundang-gu, Seongnam-si, Gyeonggi-do, Republic of Korea

Scan Here to Explore
Soombit.ai's Innovations

Get Quick Access
to Our Team

Sign in
▸ Bulk DICOM Upload
▸ Instant Full & Simple Reports
▸ One-Click Copy & Paste

htttps://airead.soombit.ai/

Clinical Validation results

A Global First in Generative AI
The world's first generative AI medical device to receive IND approval from the Korean MFDS for clinical trials.
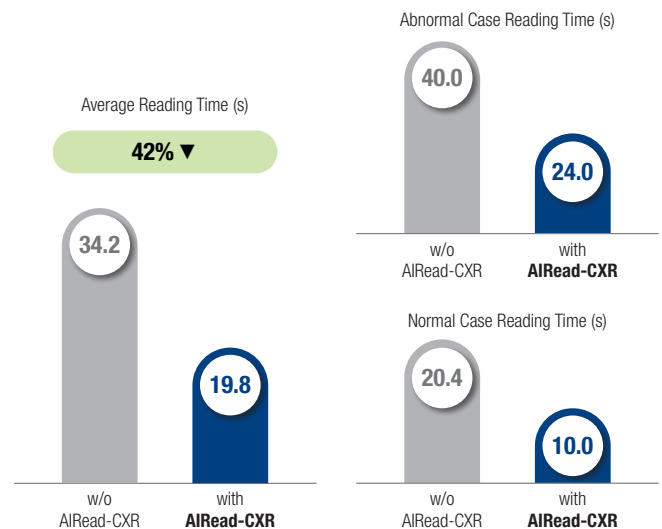
Seamless Integration
Perfectly integrates with your existing PACS and reporting software without disruption.

| Efficiency |

A **42%** Reduction in Reading Time Across the Board.[1]

Demonstrating significant and consistent time savings for both complex abnormal cases and routine normal screenings.

42% average reduction in reading time (34.2s → 19.8s), with validated efficiency for both abnormal (40.0s → 24.0s) and normal (20.4s → 10.0s) cases.
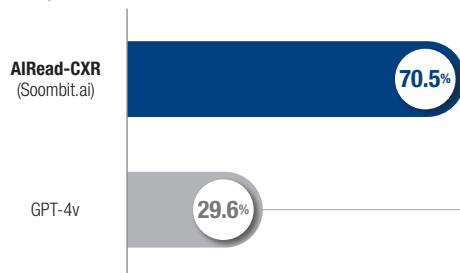
Average Reading Time (s)
42% ▼
34.2 — w/o AIRead-CXR
19.8 — with **AIRead-CXR**

Abnormal Case Reading Time (s)
40.0 — w/o AIRead-CXR
24.0 — with **AIRead-CXR**

Normal Case Reading Time (s)
20.4 — w/o AIRead-CXR
10.0 — with **AIRead-CXR**

| Accuracy |

Acceptable[2]

AIRead-CXR achieved **30**% higher diagnostic accuracy than GPT-4v

(Image N = 2,000)

AIRead-CXR (Soombit.ai) — 70.5%
GPT-4v — 29.6%

Acceptable[2]

AIRead-CXR showed **2 times** better result compared to GPT-4v

(Image N = 2,000)

benchmark
GPT-4v — 2.2
Human — 3.6
AIRead-CXR — 4.0
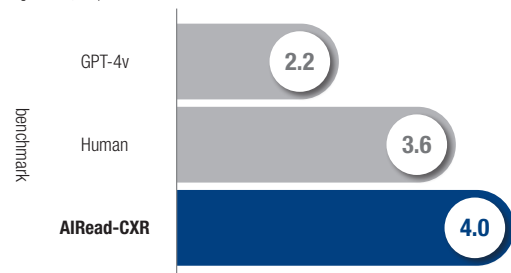
(1) Value of Using a Generative Artificial Intelligence Model in Chest Radiography Reporting: A Reader Study (Radiology 2025)

(2) Diagnostic Accuracy and Clinical Value of Domain-Specific Multimodal Generative AI for Chest Radiograph Report Generation (Radiology 2025)