

Augmented Detection, Enhanced Workflow

Lunit INSIGHT CXR is a state-of-the-art AI solution for chest x-ray that detects 10 different radiologic findings with 97-99% accuracy.

✓ Accurate and Efficient Reading

- 97-99% Detection Accuracy
- Max 20% Increase in Reading Performance

✓ Seamless Workflow Optimization

- PACS Integration Supported
- Worklist Triage Feature Available

✓ Validated in Major Publications

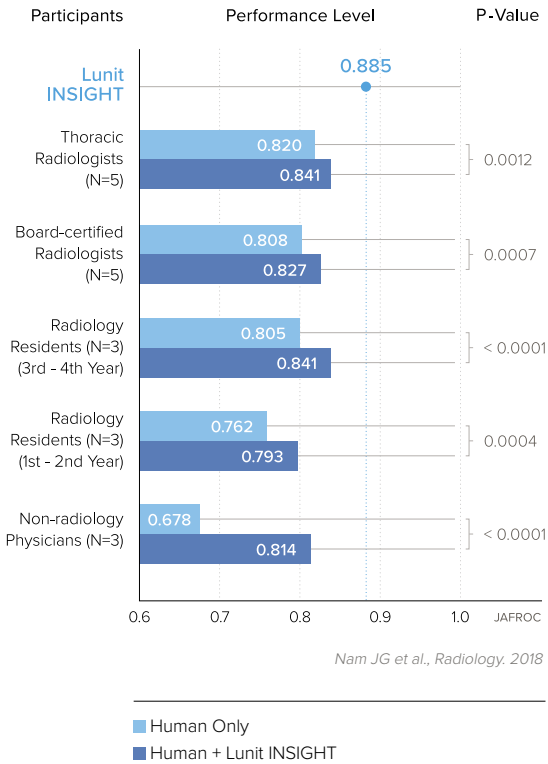
- *European Radiology* 2019
- *Radiology* 2019
- *Scientific Reports* 2019
- *JAMA Network Open* 2019
- *Clinical Infectious Diseases* 2018
- *Radiology* 2018



PERFORMANCE SUMMARY

Lunit INSIGHT CXR boasts superior accuracy in the detection of major lung abnormalities in a chest x-ray image, with an average accuracy of 98.7%. Our studies show that with Lunit INSIGHT CXR, the reading performance of a physician can increase by 20% at the highest.

Reader Performance



Accuracy by Radiologic Finding (N=2,992)

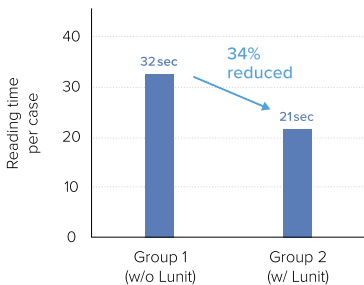
Finding	Accuracy (%)	Finding	Accuracy (%)
Atelectasis	99.4	Mediastinal Widening	98.5
Calcification	97.7	Nodule	97.6
Cardiomegaly	98.9	Pleural Effusion	99.7
Consolidation	98.6	Pneumoperitoneum	99.9
Fibrosis	98.8	Pneumothorax	99.7
Normal vs Abnormal		97.2	

Internal Validation, October 2019

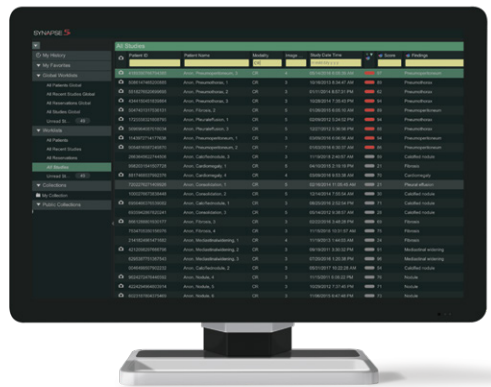
* Lunit INSIGHT CXR 3 detects all of the above 10 findings (customizable)

* Lunit INSIGHT CXR 2 detects only the following 3 findings : lung nodule/mass, consolidation and pneumothorax.

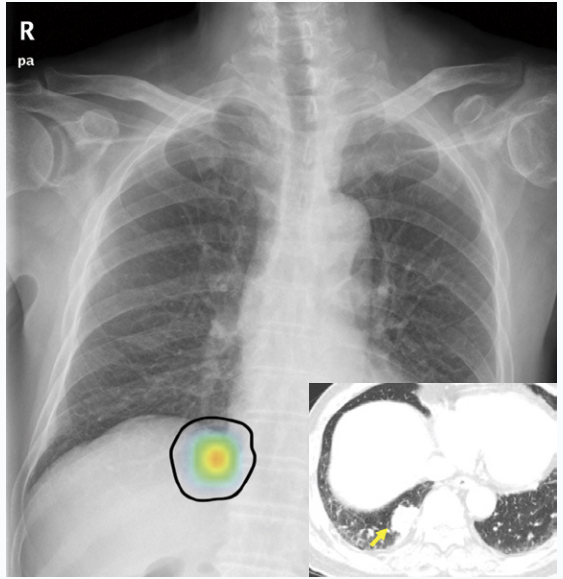
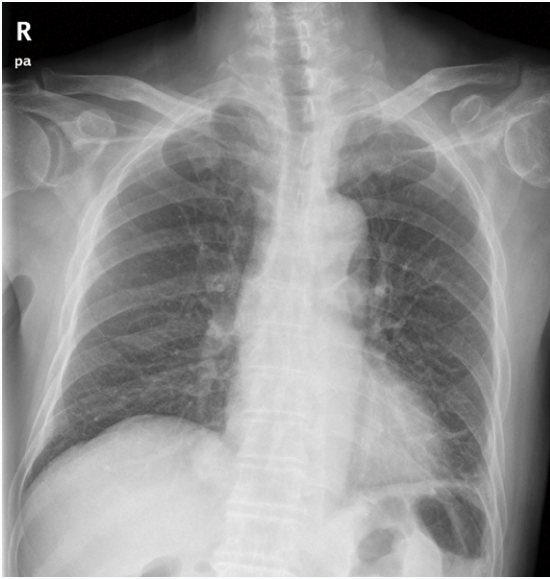
WORKFLOW IMPROVEMENT WITH TRIAGE



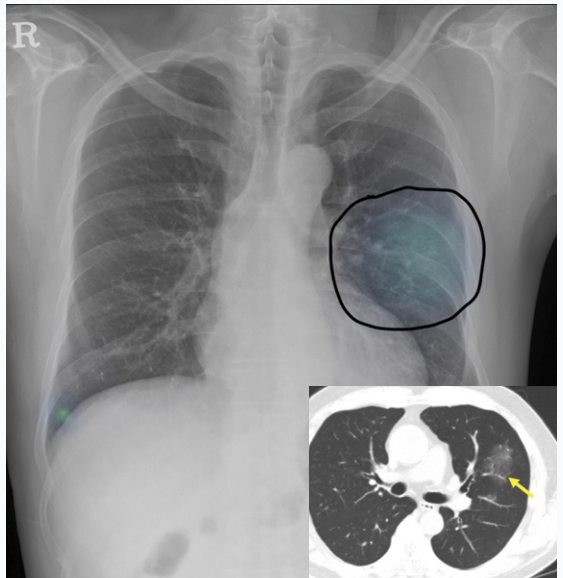
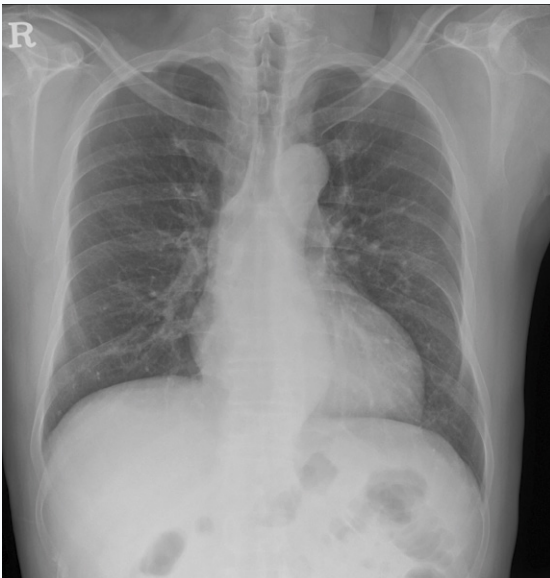
* Available on selected PACS only



CLINICAL CASES



CASE 1 Lung cancer located in the right lower lobe.
Only 5 out of 10 radiologists detected this w/o Lunit. With Lunit, 9 were able to detect.



CASE 2 Pneumonia located in the left middle lung area.
None of 10 radiologists detected this w/o Lunit. With Lunit, 5 were able to detect.