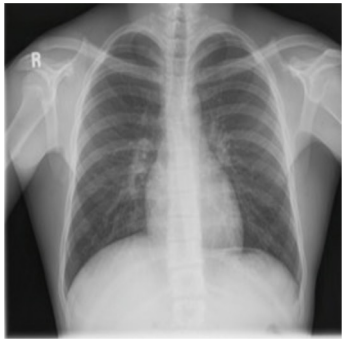
annalise.ai

May 2024

Annalise.ai is impacting radiology where needed most

Building an enterprise solution prioritising clinical volume and criticality

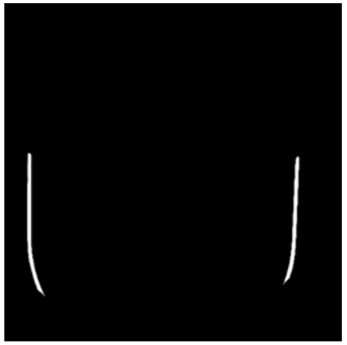
annalise.ai



Chest X-ray

Up to **124** findings
Available in **40+ countries**

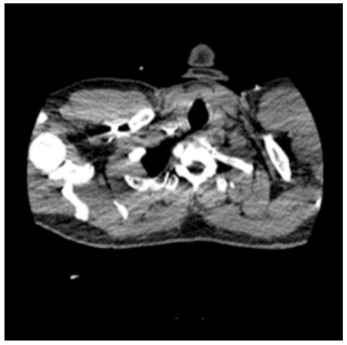
~26% of radiology volume*



CT Brain

Up to **130** findings
Available in **40+ countries**

~3% of radiology volume*



CT Chest

Planned comprehensive
In active development

~6% of radiology volume*

*Source: Diagnostic Imaging Procedure Volumes Database – World (Signify, January 2022), including X-ray, CT and MRI procedures estimate 2021
#Annalise Enterprise is not available in all ASEAN countries

A strong and growing worldwide footprint

annalise.ai

NHS Morecambe Bay, UK

Available to **20+ radiologists** and **5+ reporting radiographers** across all **6 sites** within NHS Morecambe Bay, including remote access capabilities.

NHS Grampian, UK

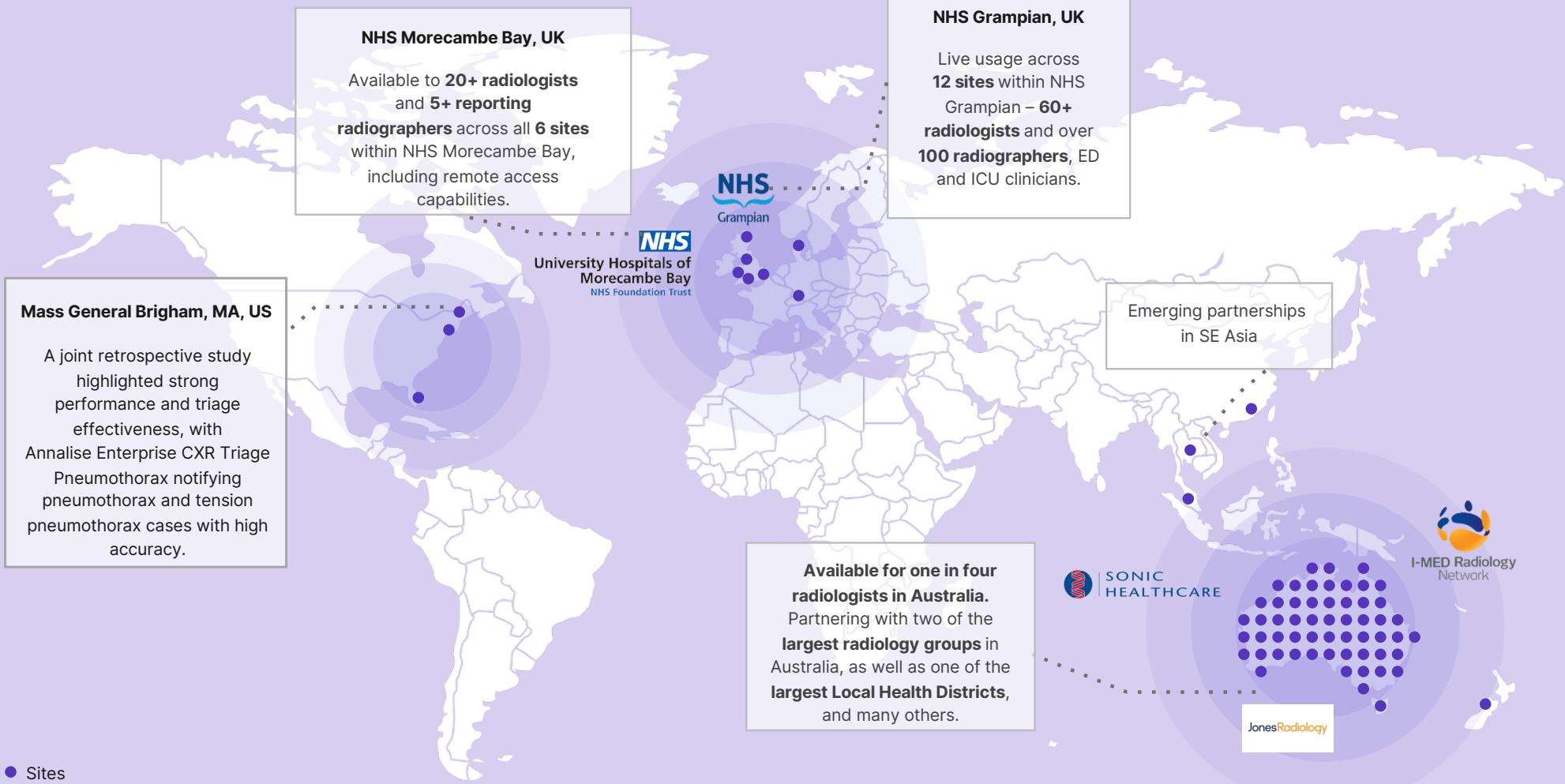
Live usage across **12 sites** within NHS Grampian – **60+ radiologists** and over **100 radiographers**, ED and ICU clinicians.

Mass General Brigham, MA, US

A joint retrospective study highlighted strong performance and triage effectiveness, with Annalise Enterprise CXR Triage Pneumothorax notifying pneumothorax and tension pneumothorax cases with high accuracy.

Emerging partnerships in SE Asia

Available for one in four radiologists in Australia. Partnering with two of the **largest radiology groups** in Australia, as well as one of the **largest Local Health Districts**, and many others.



● Sites

How is Annalise.ai different ?

annalise.ai

Backed by strong & experienced investors

Backed by **I-Med Radiology, Blackbird Ventures, Horizon Ventures and Skip Capital**

Growing global team, led by experts in the field

Annalise.ai is a growing team, with **over 300 people** committed to it's mission. Steered by an experienced HealthTech leadership team

Comprehensive, anatomy based approach

Most comprehensive AI solutions addressing both acute and chronic findings, providing visualisation and confidence bars.

One of the largest known radiology databases

CXR built on >782,000 studies

CT Brain built on >229,000 studies

Enriched with edge cases

No shortcuts: Radiologist labelled datasets

At least 3 radiologists independently labelled all the datasets.

Not just NLP for labelling.

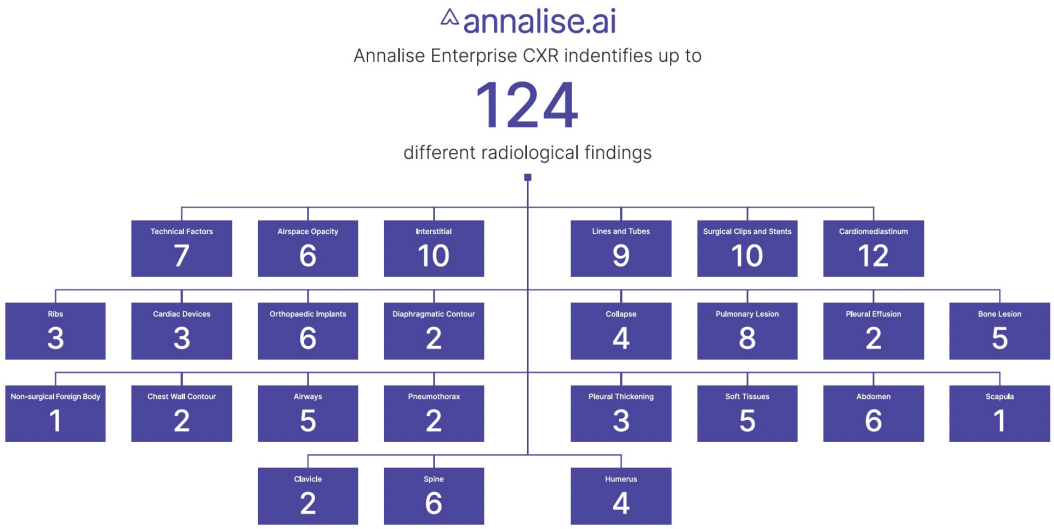
Implementation experience & user centred

Intuitive User Interface

Vendor agnostic design. Easy integration with most known IT platforms.

Annalise Enterprise CXR: Comprehensive coverage of relevant abnormalities in a chest X-ray

annalise.ai



Develop ontology tree

- Map and categorise all **relevant chest X-ray findings** in consultation with thoracic **experts**.

Categorise based on criticality

- Important step for **worklist triage** and driving **workflow efficiencies**
- **Customisable** by care setting (e.g., ICU, trauma, general).

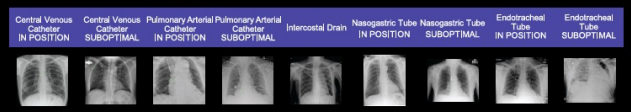
Set thresholds

- Based on acceptable **accuracy levels.**
- **Customisable** by care setting (e.g., ICU, trauma, general).

124 findings on chest X-rays covered by **Annalise Enterprise CXR**

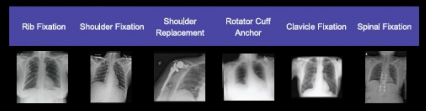
TECHNICAL FACTORS

LINES AND TUBES



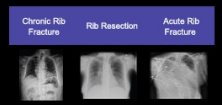
SURGICAL CLIPS AND STENTS

ORTHOPAEDIC IMPLANTS



CARDIAC DEVICES

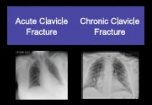
RIBS



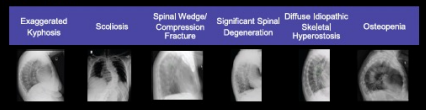
HUMERUS

SCAPULA

CLAVICLE



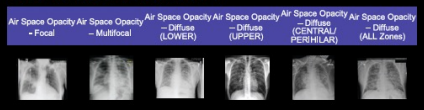
SPINE



BONE LESIONS

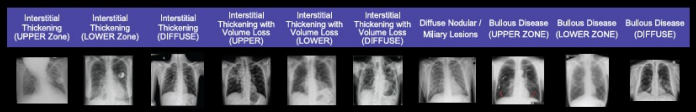
CARDIOMEDIASTINUM

AIR SPACE OPACITY

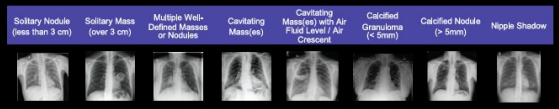


COLLAPSE

INTERSTITIAL



PULMONARY LESION

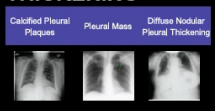


AIRWAYS

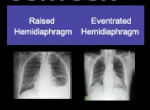
PNEUMOTHORAX

PLEURAL EFFUSION

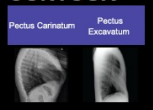
PLEURAL THICKENING



DIAPHRAGMATIC CONTOUR

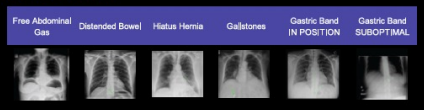


CHEST WALL CONTOUR



SOFT TISSUES

ABDOMEN

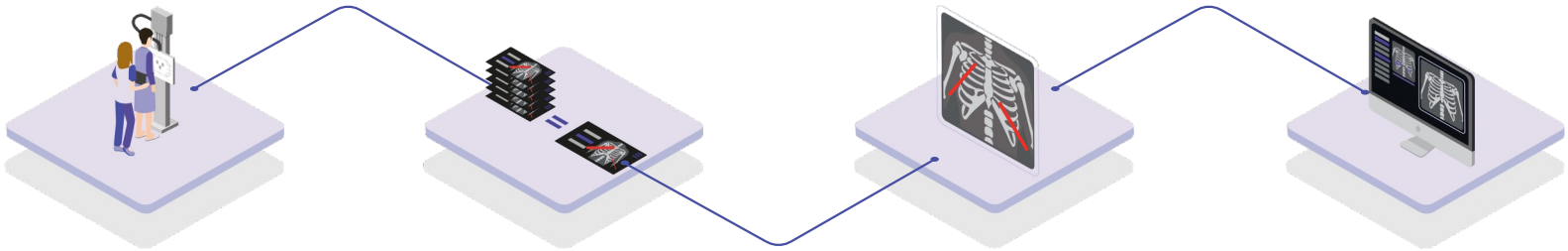


FOREIGN BODIES

Annalise Enterprise CXR: Trained on one of the world's largest hand-labelled CXR datasets

annalise.ai

Unlike vendors who train AI algorithms on NLP-extracted labels from reports or labels generated by radiographers and medical graduates, Annalise.ai used fully-qualified radiologists to create 280+ million labels.



From a data-set of

782,000+

unique CXR studies.

Labelled by at least

3 radiologists

who independently hand-labelled every CXR study. More than **145** radiologists were involved in data labelling.

Generating

280,000,000+

CXR labels with fully qualified radiologists. No shortcuts in labelling.

To bring you

124 findings

detected by Annalise Enterprise CXR.

Source: Data on file

Annalise Enterprise CTB: comprehensively cover relevant abnormalities in a head CT

Develop ontology tree

- Map and categorise all **relevant CT Brain findings**, in consultation with neuroradiology **experts**.
- For example: Training the algorithm to differentiate between calcified meningioma, extra-axial haemorrhage and a bleed (all would look bright and outside the brain on a scan).

Categorise based on criticality

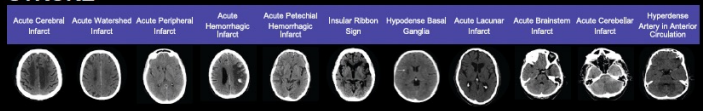
- Important step for **worklist triage** and driving **workflow efficiencies.**
- Critical findings such as ICH need to be alerted **immediately**; **however** chronic findings also need to be read.
- **Customisable** by care setting (e.g., ICU, trauma, general).

Set thresholds

- Based on acceptable **accuracy levels**
- **Customisable** by care setting (e.g., ICU, trauma, general).

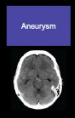
130 findings on non-contrast CT Brain (NCCTB) covered by **Annalise Enterprise**

STROKE

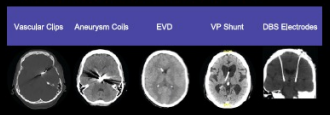


INTRACRANIAL HAEMORRHAGE

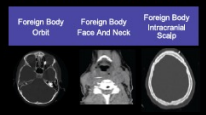
VASCULAR



TUBES CLIPS & DEVICES

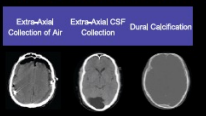


FOREIGN BODIES

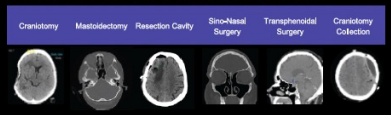


INTRA-AXIAL MASS

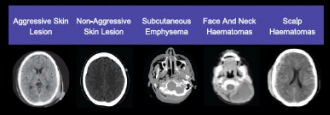
EXTRA-AXIAL COLLECTION



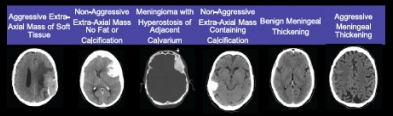
POST SURGICAL PROCEDURE



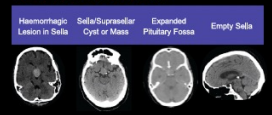
SKIN AND SCALP



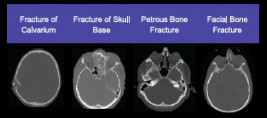
EXTRA-AXIAL MASS



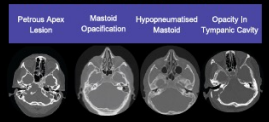
SELLA LESION



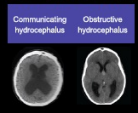
FRACTURE



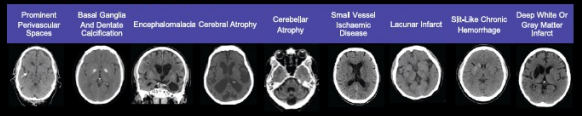
PETROUS TEMPORAL BONES



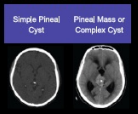
HYDROCEPHALUS



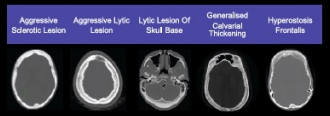
CHRONIC CHANGES



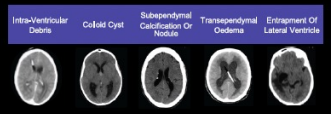
PINEAL LESION



SKULL LESION

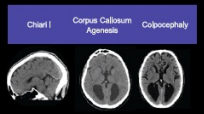


VENTRICLES

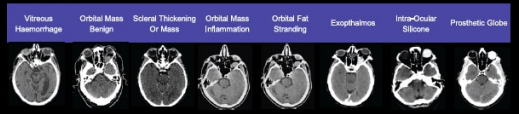


INTRA-AXIAL ABNORMALITY

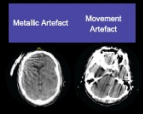
CONGENITAL ABNORMALITY



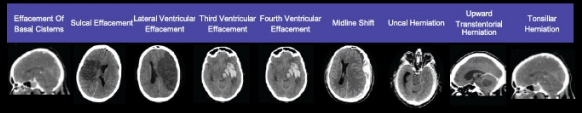
ORBITS



ARTEFACT



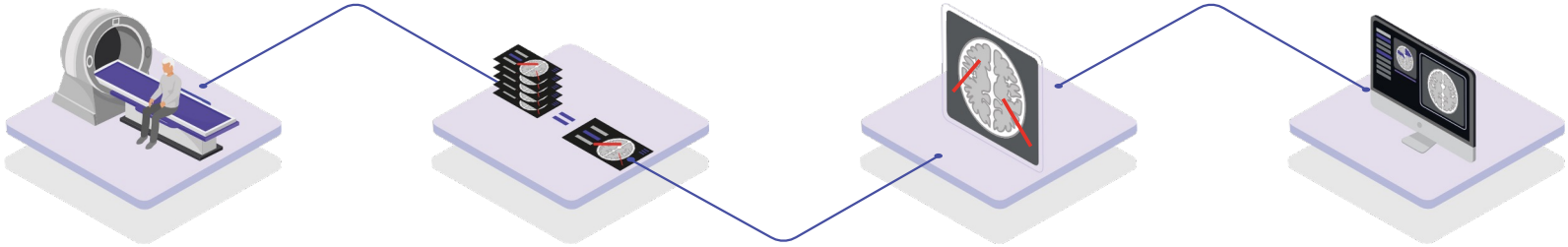
MASS EFFECT



Annalise Enterprise CTB: Trained on one of the world's largest radiologist labelled CTB datasets

annalise.ai

A diverse set of non-contrast CT Brain scans, carefully labelled by consensus of fully-qualified radiologists with access to future and past context, such as MRI imaging and clinical reports.



From a dataset of

>229,000

unique non-contrast CT Brain studies. Including future and past context, MRI imaging and clinical reports.

Labelled by at least

3 radiologists

who independently hand-labelled each dataset. More than **140** radiologists were involved in data labelling.

Generating

269,000,000+

CTB labels with fully qualified radiologists.

To bring you

130 findings

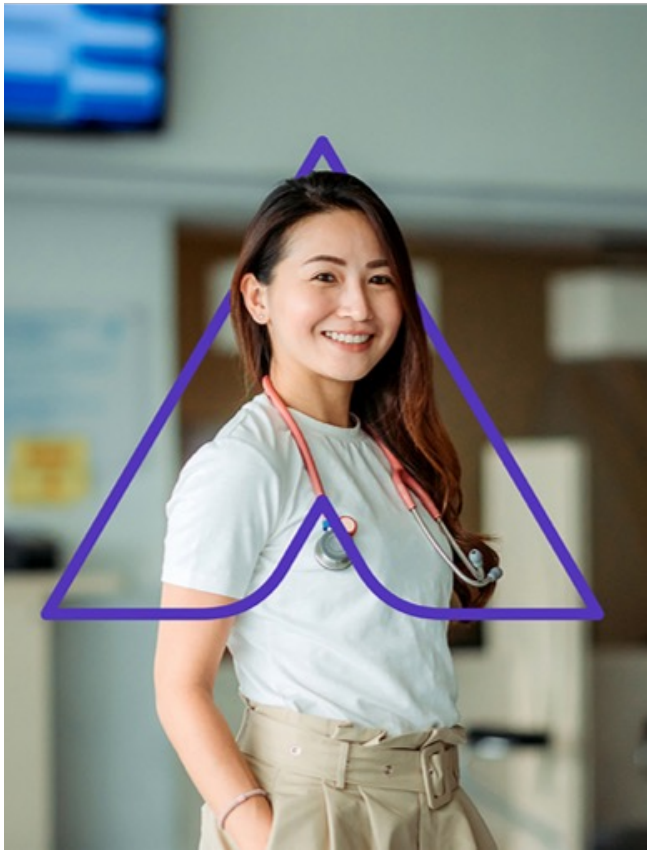
detected by Annalise Enterprise CTB.

Source: Data on file

A proven track record in large-scale AI deployments

annalise.ai

In radiology chains with multiple RIS & PACS systems



I-MED Radiology Network

250+ Clinics across Australia

350+ radiologists

SONIC HEALTHCARE

100+ Clinics across Australia

200+ radiologists

NHS Grampian

12 Sites in Scotland

60+ radiologists and 100+ radiographers, ED and ICU clinicians

Start your AI journey in no time with Annalise.ai

annalise.ai

Managing the change beyond the successful IT implementation.

Timings are indicative only and may be subject to change.

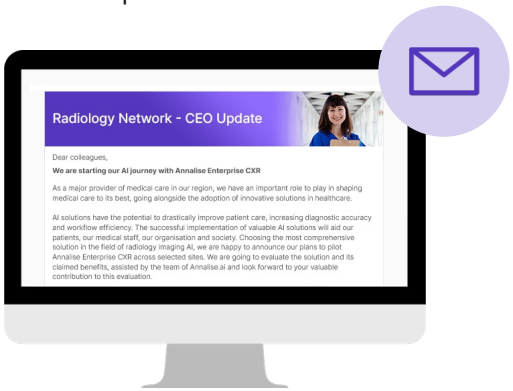
Change management is an enterprise-wide core expertise

Ensuring enterprise-wide project engagement requires a carefully managed approach

Continuous and thorough change management support is **KEY TO ROLLOUT SUCCESS** especially in large-scale deployments, including:

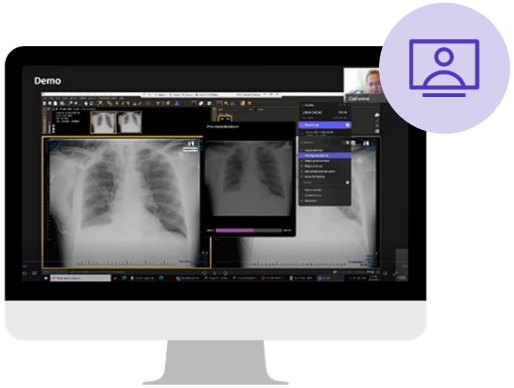
1 Communication support

Articulate vision and strategy with company-wide announcements from leadership



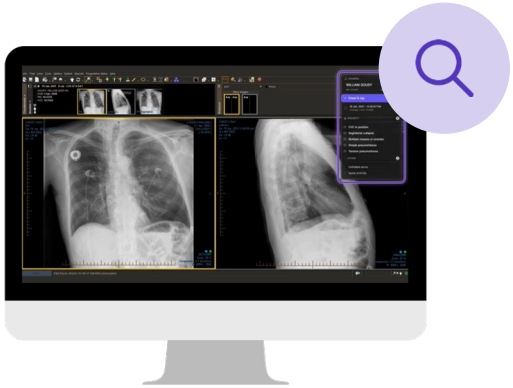
2 Awareness-building support

Kick off video & webinar programs ahead of rollout to introduce Annalise.ai and its solutions



3 Educational support

Reference materials and intranet page for team education.



Media coverage, industry experts

annalise.ai

FROST & SULLIVAN

"Multiple Anomaly Detection Solutions:

Care providers increasingly prefer solutions that can detect multiple anomalies in a single scan, which can reduce image reading time and minimize human error.

These solutions could be valuable in emergency trauma cases... such solutions are perceived to provide a higher return on investment. One example is Annalise.ai, which can detect over 120 abnormalities in a chest X-ray."

ECR 2023
MARCH 1-5, VIENNA & ONLINE

Annalise Goes 4/4

"Annalise.ai's algorithm platform solved all four cases in a faceoff test between AI developers at ECR 2023."

THE Imaging Wire

"The Annalise.ai algorithm was the only one that detected pathology on all four cases."

Imaging Wire Newsletter, March 16 2023

Best New Technology Solution
Radiology 2022

MEDTECH BREAKTHROUGH AWARD 2022

"...unless a niche vendor can offer something truly unique, **why would a provider purchase, deploy and integrate a large number of point solutions when it could instead select a single comprehensive solution for a much smaller financial outlay,** whilst avoiding the challenges of orchestrating multiple AI algorithms?"

Signify Premium Insight: A study in Validation. Aug 13, 2021

Signify RESEARCH

"...**comprehensive solutions** can **help avoid missing findings**, particularly those that are not part of the primary diagnosis. In doing so, missed diagnoses or misdiagnoses can be reduced enabling **patients to be treated sooner and outcomes to be improved**."

Signify Premium Insight: Annalise hoping to get comprehensively ahead. Nov 10, 2022

Video feature of implementation at NHS Grampian as part of the

Lungs Matter
programme

in partnership with Respiratory Futures and ITN Business

AuntMinnieEurope

We're honoured to have been described as the

"most outstanding"

of new AI companies by Prof. Erik R. Ranschaert, MD, PhD in Aunt Minnie Europe.

AuntMinnie.com
THE BEST OF RADIOLOGY
WINNER

Living up to our standards – impacting healthcare today

annalise.ai

Partnering with our sibling companies harrison.ai and franklin.ai in the Harrison Foundation, we engage in partnerships to deploy our diagnostic solutions where they are needed most.

Bringing Annalise.ai to

Thanh An, Vietnam

Thanh An island is located 70km east of Ho Chi Minh, and home to nearly 5,000 people. For medical treatment, people often have to travel to the mainland by boat, taking at least 1-2 hours. In November 2022, the Harrison Foundation partnered with ASIF and Fujifilm to deliver a portable X-ray machine equipped with Annalise CXR Edge for immediate AI decision-support helps improving health care within this community.

ASIF Australasia Social Impact Foundation FUJIFILM

Bringing Annalise.ai to

Goma, Democratic Republic of Congo

Goma, located in the northeast of the DRC, near the Rwandan border has a population of nearly 1 million people. In addition to being located in a geographically challenging region, bordered by the active volcano Mount Nviragongo, experiencing limnic eruptions, Goma has been the site of intermittent fighting for decades, with UN peacekeepers present. In March 2023, together with the Sonic Foundation, the Harrison Foundation is aiming to deploy Annalise Enterprise at Heal Africa Hospital in Goma.

SONIC HEALTHCARE FOUNDATION harrison.ai

Thank You

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