

From Lab to Clinic: 10 Specific Challenges in Deploying Clinical AI

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#1

Radiology data is highly nuanced and unintended bias is hard to avoid without proper education.

#2

Data scientists and engineers need support from many experts—not just radiologists.

#3

More time is spent building tools that enable us to build clinical AI than actually building clinical AI.

#4

Privacy and security are subjective measures with moving targets, especially on a global scale.

#5

Most hospitals do not design their software infrastructure with “ease of AI integration” in mind.

#6

Models don't get regulatory approvals, claims around very specific uses of a model do.

#7

Validation is expensive but important to repeat for each target population.

#8

Workflow integration needs to be as convenient and non-threatening as possible.

#9

Adoption requires buy-in from every stakeholder
but they all speak different languages.

#10

Not all problems in radiology are created equal, some are more impactful (or attainable) than others.