

# The Synergy of AI and PERTs

The Pulmonary Embolism Response Team (PERT) formulates advanced treatment plans to improve acute pulmonary embolism (PE) clinical decision making and workflow designation, ultimately improving clinical outcomes.

Without AI-powered PERT Activation, the identification, risk stratification and consultation tools available to PERTs are highly variable and manual.

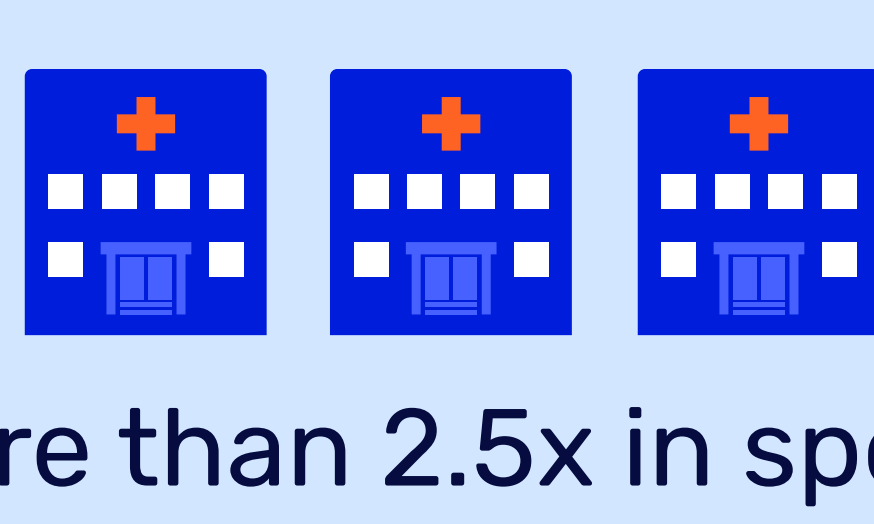
PERT-activated patients often have better outcomes, but up to **75%** of PE patients are not referred to PERT for advanced care.<sup>1,2</sup>



## The Advantages of AI-Powered Care Coordination

With AI-powered workflows, PE disease awareness is expanded, risk stratification\* is automated, PERT consultation rates are improved and ultimately time to treatment is reduced.

AI-driven care could increase PERT consultations by:



more than 2.5x in spokes

and



1.4x in hubs each year<sup>3</sup>

## The Impact of AI and PERTs: Clinical Evidence

A retrospective analysis at Yale New Haven Health that aimed to identify intermediate-risk to high-risk PE patients in a hub-and-spoke setting found:

Yale  
NewHaven  
Health

**78%**

of intermediate to high-risk patients retrospectively identified by AI were not sent to the PERT<sup>4</sup>

increase in appropriate interventions after implementing a PERT AI solution<sup>5</sup>

**40%**

## AI provides a comprehensive solution for multidisciplinary PERTs

Improved access to imaging, key labs and vitals, chat and suspected findings on mobile help facilitate expedited decision making. The Aidoc PERT Mobile workflow is deeply integrated into the EMR and scheduling systems to ensure communications are relevant and customized to user settings.

### AIDOC PERT ACTIVATION TOOLS

**Mobile PERT Alert**  
Expand awareness of suspected PE anywhere, 24/7

**Mobile Image View**  
View and access suspected PE studies

**RV/LV Ratio**  
Remove variability and automate risk stratification\*

**EHR Connectivity**  
Supplement images with vital clinical information

**PERT Cross-Department Chat**  
Consult and make clinical decisions, together

Discover the game-changing impact of AI-driven collaborative care for high-risk PE patients.

Download Whitepaper

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