Temple Health Delivers More Timely Care with AI-Driven Triage

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In acute care, every second counts.
Delays in diagnosis and treatment — especially for high-risk, time-sensitive conditions — can significantly affect patient outcomes.

To address this, Temple University Health System (Temple Health) partnered with Aidoc to implement its AI-powered Radiology Solution across Emergency Departments (EDs) and outpatient clinics.

THE RESULTS

With intelligent triage and smart prioritization, Temple Health accelerated critical findings and improved patient outcomes.

6 minute reduction in wait time for stroke cases in the ED[1]

33% reduction in wait time for incidental pulmonary embolism (iPE) cases in outpatient clinics[1]

48% reduction in wait time for general positive acute pathologies in outpatient settings[1]

Patient Impact

- ✓ Eligible patients received timely treatment
- ✓ Reduced risk of long-term disability
- ✓ Improved satisfaction

Provider Benefits

- ✓ Increased awareness of time-critical conditions
- ✓ Reduced risk of delayed interventions
- ✓ Improved efficiency

THE PARTNERSHIP

Temple Health — a safety net hospital for the local community it serves in Philadelphia — sought an enterprise-ready AI platform to streamline critical processes, positively impact physicians and patients alike. The health system partnered with Aidoc in 2022 to bring solutions across cardiovascular, neurovascular and radiology.

In Year 1, they implemented 14 algorithms, followed by the addition of stroke and Pulmonary Embolism Response Team (PERT) care coordination applications to prioritize patients with suspected urgent medical conditions, accelerate appropriate patient interventions and streamline communication across critical care teams.

Check out our Clinical Compendium to see other clinical outcomes we have driven for global health systems

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