# aidoc

# AIDOC. ALWAYS ON.

Connecting all points of care.

# ARTIFICIAL INTELLIGENCE IN HEALTHCARE – WHY NOW?

Hospital systems are complex entities populated by teams with access to diagnostics and technologies that defy what we imagined possible only a decade ago. Innovation may be challenging and not an immediate priority.

## Multiple factors are contributing to operational challenges for health systems.

### Rising costs

- Total expenses up 19%, driven by inflation and labor shortages.[1]
- Average length of stay up 9% due to patient acuity and more observation days.[1]

*Percentages reflect November 2022 year-to-date data versus year-to-date 2019.*

### Missed revenue potential

- Less than 40% of providers adhere to radiologist recommendations for follow-up exams[2]
- 65% of executives blame patient leakage for missing financial targets[3]

### Decline in satisfaction

- 1 in 5 physicians intend to leave their practice in the next two years[4]
- 7 in 10 patients will switch providers for more convenience[5]

AI can – and should – play a crucial role as both the short- and long-term solution for financial solvency and enhanced operational performance.

## Now is the time to realize the transformational power of healthcare AI.

# AIDOC: ENABLING HUMAN WORKFLOWS

Aidoc is the only solution that delivers an always on connected system of intelligence that advances care through enhanced AI when and where you need it.

### Identification
Understand and see suspected findings from available data sources
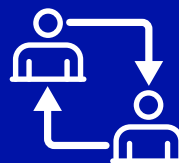
### Activation
Singular platform solution enables collective action across service lines immediately

### Triage
Know which cases to prioritize to enable timely clinical decision making

### Follow Up
Track progress to improve outcomes throughout the patient lifecycle

**Delivered through a comprehensive, secure and scalable enterprise platform.**

# EFFECTIVE AI = CONNECTED SYSTEM OF INTELLIGENCE

AI strategies have primarily focused on a single department or use case that unrealizes enterprise-wide value. To be effective, your AI solution should be:

**Single Platform:**
Providing the ability to integrate applications across specialties versus managing separate solutions requiring different platforms

**Scalable:**
Purpose-built to coordinate and deploy algorithms and applications across systems

**Seamless:**
Integrate within native workflow and IT infrastructure (PACS, EHR, scheduling, etc.)

**Secure:**
Compliant with security and privacy regulations and standards

**Successful:**
Tailored to provide data-driven ROI

## Why Always On?

Aidoc is the only company with technology that knows to identify all anatomy present in an image. The aiOS™ no-click interface automatically matches relevant algorithms* to the potential pathologies, which enables you to identify both the expected and unexpected.

*Algorithms will vary based on commercial availability and service contract.

**Aidoc is the active, intelligent layer supporting physician decision-making at all points of care.**

# DELIVERING AN ENTERPRISE PLATFORM - MEET AIDOC'S aiOS™

As a developer of AI solutions at our core, we recognized the only way for a facility to optimize its AI investment was with a unified operating system that fits within an existing IT stack, runs effectively in many different clinical settings and orchestrates numerous AI applications at once.

By helping to overcome challenges common to AI implementation, including unstructured data, staff capacity, ROI measurement and siloed organizational structures, Aidoc's aiOS™ is what differentiates us from other healthcare AI vendors and can elevate your AI solution from one or two use cases into an enterprise-level technology innovation.

## Why Your AI Platform Should be Powered by aiOS™

|  | With aiOS™ | Without aiOS™ |
|---|:---:|:---:|
| Always on AI | ● | |
| Coordinate care across service lines | ● | √ |
| Near instantaneous addition of new AI functionality | ● | |
| Seamless integration into radiology workflow | ● | |
| Ability to integrate into PACS | ● | √ |
| EHR and scanner-vendor agnostic | ● | |
| Uses AI to automatically flag suspected abnormalities | ● | |
| Automatically applies multiple algorithms | ● | |
| Self-monitoring tools for successful implementation | ● | |

## Solutions covering 75% of your patient population:

- Cardiovascular
- Emergency Department
- Radiology
- Neurosciences
- Critical Care
- Women's Health

# THE AIDOC DIFFERENCE: ALWAYS ON FOR PATIENT OUTCOMES

At Aidoc, we provide clinical AI solutions to support accelerated, accurate decision-making leading to collective action across service lines to deliver timely care interventions that benefit health systems, clinicians and patients in numerous ways.

## Impacting Health Systems and Patients

### Automated Referral Network

Increase in Patient Volumes

Yale NewHaven Health

**72%** More Activations (PERT)[6]

### Care Team Coordination

Improved Provider Satisfaction + Efficiency

UNIVERSITY of ROCHESTER

**55%** Reduction in Turnaround Time (ICH)[7]

### Prioritized Discharge

Shorter Length of Stay

Cedars Sinai

**26%** Reduction in Length of Stay (PE)[8]

### Patient Management

Reduced Readmissions

Average **$400k** Annual Cost Savings at 13 Sites[9]

## Why Aidoc

- Used in more than 1,000 medical centers
- Utilized in 7 of the top 10 U.S. hospitals
- 13 FDA-cleared algorithms
- 1M patients analyzed each month
- 75+ clinical studies
- Exclusive aiOS™
- Two-thirds of employees in AI development
- 2x Minnies Winner: Best in Radiology Software (2019, 2022)

## Supported Every Step of the Way

Our customer success team is by your side from day one

- Providing extensive user training
- Ongoing feedback sessions to constantly improve performance
- Defining and measuring performance, engagement and value metrics
- Supporting clinical research initiatives
- Driving hospital-wide adoption and improvements

"In Aidoc, we have a partner with the ability to bring deep integration of AI into these native workflows. The outcome leads to enhanced patient eligibility for novel therapies and makes a significant change to patient management."

**Dr. Akhil Khosla,**
Assistant Clinical Professor and Medical Director (PERT), Yale New Haven Hospital

# ABOUT AIDOC

Aidoc is a pioneering force in clinical AI. We focus on aiding and empowering healthcare teams to optimize patient treatment, which results in improved economic value and clinical outcomes.

Since 2016, Aidoc's clinically proven AI solutions have eliminated silos, increased efficiencies and improved outcomes by delivering critical information when and where care teams need it – leading to immediate collective action.

Powered by Aidoc's exclusive aiOS™, we analyze and aggregate medical data to enable care teams to operationalize the unexpected and work seamlessly with a continued focus on the patient.

Aidoc AI is always on, running in the background to change the foreground.

## Learn how the power of AI can impact your facility
## Aidoc.com

**2020**

AuntMinnie.com
THE BEST OF RADIOLOGY
WINNER

AuntMinnie.com
THE BEST OF RADIOLOGY
SEMI FINALIST

AuntMinnie.com
THE BEST OF RADIOLOGY
WINNER

**2019**

**2022**

1. National Hospital Flash Report: December 2022 │ Kaufman Hall. (2023, January 4). **https://www.kaufmanhall.com/insights/research-report/national-hospital-flash-report-december-2022** 2. Hansra, S. S., Loehfelm, T. W., Wilson, M., & Corwin, M. T. (2021). Factors Affecting Adherence to Recommendations for Additional Imaging of Incidental Findings in Radiology Reports. Journal of the American College of Radiology, 18(2), 233–239. **https://doi.org/10.1016/j.jacr.2020.02.021** 3. ABOUT Healthcare. (2022, March 3). Patient Leakage & Keepage Report 2021-22 │ Insights. ABOUT. **https://www.abouthealthcare.com/insights/reports/patient-leakage-and-keepage/** 4. American Medical Association. (2022, January 18). Medicine's great resignation? 1 in 5 doctors plan exit in 2 years. **https://www.ama-assn.org/practice-management/physician-health/medicine-s-great-resignation-1-5-doctors-plan-exit-2-years** 5. Southwick, R. (2023, January 17). What hospitals should think about when considering mergers. Chief Healthcare Executive. h**ttps://www.chiefhealthcareexecutive.com/view/what-hospitals-should-think-about-when-considering-mergers** 6. Khosla A. (2022). Transforming Endovascular Care with AI-Triggered PE Response Teams [Webinar]. Aidoc. Available at **aidoc.com**. 7. Wismueller et al. (2020) A Prospective Randomized Clinical Trial for Measuring Radiology Study Reporting Time on Artificial Intelligence-Based Detection of Intracranial Hemorrhage in Emergent Care Head CT. Proceedings Volume 11317, Medical Imaging 2020: Biomedical Applications in Molecular, Structural, and Functional Imaging; 113170M doi: 10.1117/12.2552400 8. Petry M, Lansky C, Chodakiewitz Y, Maya M, Pressman B. Decreased Hospital Length of Stay for ICH and PE after Adoption of an Artificial Intelligence-Augmented Radiological Worklist Triage System. Radiol Res Pract. 2022;2022:2141839. Published 2022 Aug 18. doi:10.1155/2022/2141839 9. Aidoc. (2023). A Medicare Claims-Based Analysis Of The Impact Of AI On Readmission Rates. [White paper]