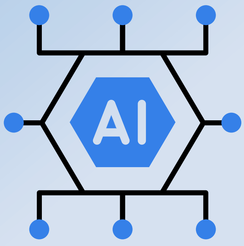
The New Language of Clinical AI:

8 Terms Every Healthcare Leader Should Know



Clinical AI is moving beyond single-use tools into scalable, multimodal intelligence powered by foundation models. With this shift comes a new vocabulary — one that's quickly becoming essential for evaluating strategies, guiding teams and making confident decisions. Here are eight terms to help you cut through the jargon and lead with clarity.

Core Concepts

Foundation Model

Large, pre-trained model that learns general data representations and can be adapted to many clinical tasks.

Generalizable

The ability of an AI model to perform well across many tasks and datasets, not just those it was originally trained on.

CARE™

Aidoc's clinical-grade foundation model, already powering FDA-cleared applications across multiple domains.

Multimodality

The ability to learn from and combine different types of data — like images, text and structured electronic health records (EHRs) — to improve clinical insight.

Scaling Smarter

Self-Supervised Learning

A method where the model learns from unlabeled data by solving pretext tasks with known answers, like predicting missing parts of an image.

Fine-Tuning

Adapting a pre-trained model to a specific task using a small labeled dataset, enabling fast and efficient training.

Enabling Action

Aidoc aiOS™

An enterprise-grade clinical AI operating system acting as the platform to orchestrate multiple AI models — including CARE™ — integrating them seamlessly into workflows with governance, monitoring and scalability.

Agentic AI

AI that proactively initiates context-aware actions without step-by-step human instruction.

Want the full foundation model lexicon?

This blog includes more key terms, real-world context and examples of how this technology is reshaping healthcare today.