Category

Data & AI

Data Literacy in Healthcare Settings (Clinical & Admin) Playbook

Bringing the same rigor to reading a dashboard that clinicians already bring to reading a chart

- Practitioner
- Intermediate
- Template Included

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- 4 minute(s)

Overview

A framework for building data literacy within healthcare organizations — for both clinical and administrative staff — covering clinical data quality assessment, statistical literacy for outcome interpretation, and appropriate skepticism toward aggregated healthcare metrics, given the particularly high stakes of data-informed decisions in clinical and health administration contexts.

Clinicians already work with patient data extensively — isn't

clinical data literacy already strong? Clinical training builds strong literacy for individual patient chart data, but working with aggregated population-level or operational healthcare

data (outcome statistics, quality metrics) requires a distinct, less universally developed statistical literacy, even among highly trained clinicians.

What's the highest-stakes data literacy gap in healthcare

specifically? Misinterpreting aggregated outcome statistics — small sample sizes at the individual physician or unit level, case-mix differences that confound simple comparisons, and confusing correlation with causation in observational healthcare data — all of which can lead to unfair performance judgments or misguided clinical practice changes.

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