Blog: Clinical Mobility at the Center. Extending the EMR with the Alairo Mobile Platform

By Jeff Richard, MBA, RRT

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Reviewed by: Clinical Mobility & Safety Team

Direct Answer

Clinical mobility has evolved into the nexus of modern patient care. While the EMR (Epic, Cerner, etc.) is central, it cannot address all frontline needs—especially for nurse call, patient care alarms, and workflow coordination. The Alairo Mobile Platform (AMP) is designed as a practical extension of existing systems, bridging these gaps and delivering actionable analytics directly within the app.

TL;DR Summary

- **Clinical mobility**: Now the core of care delivery, connecting people, data, and workflows at the bedside.
- **EMR limitations**: Epic, Cerner, and others are essential but don't cover nurse call, alarms, or real-time workflow.
- **AMP's role**: Extends current systems, unifies communication, and provides in-app analytics for smarter, faster care.
- **Why it matters**: Better outcomes, less alarm fatigue, and more efficient teams.

- **Evidence-based**: Human-centered, role-optimized mobility solutions drive measurable improvements.

Visual Overview

For a visual model of integrated clinical mobility, see:

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC10123456/

The Evolution of Clinical Mobility

- **From pagers to platforms**: Clinical mobility has shifted from basic communication tools to unified platforms that connect EMRs, nurse call, alarms, and workflow apps (https://www.himss.org/resources/clinical-communication-and-collaboration).
- **Why it matters**: 90% of hospitals now use mobile devices for clinical communication, but only 30% report seamless integration with EMRs or alarm systems (https://www.spyglass-consulting.com/spyglass-consulting-group-reports/).
- **The gap**: Nurses and care teams still juggle multiple devices and apps, leading to delays, missed alerts, and workflow friction ([BMJ Quality & Safety](#)).

Why the EMR Isn't Enough

- **EMRs are essential** for documentation, orders, and data management—but not for real-time communication or alarm delivery (https://digital.ahrq.gov/ahrq-funded-projects/health-it-evaluation-toolkit).
- **Key gaps**:
  - Nurse call and patient care alarms are often siloed from EMR workflows.
  - Real-time task coordination and escalation are not native to most EMRs.

- Analytics on alarm response and workflow bottlenecks are rarely accessible at the point of care.
- **Result**: Teams rely on workarounds—manual tracking, extra devices, or delayed communication—which increases risk and reduces efficiency.

The Alairo Mobile Platform: A Practical Extension

- **AMP bridges the gap** by integrating with existing EMRs and hospital systems, unifying nurse call, alarms, and workflow into a single mobile experience.
- **Role-based optimization**: AMP configures alerts, escalations, and workflows for each clinical role, ensuring the right information reaches the right person at the right time ([BMJ Quality & Safety](#)).
- **In-app analytics**: Actionable insights on alarm response, workflow efficiency, and team performance are available directly within the app—no need to wait for monthly reports.
- **Human-centered design**: AMP is built around how caregivers actually work, reducing cognitive load and alarm fatigue (https://www.mayoclinicproceedings.org/article/S0025-6196(1630625-5/fulltext).

Measurable Impact

- **40% faster adoption** of new workflows with role-based, mobile-first platforms (https://digital.ahrq.gov/ahrq-funded-projects/health-it-evaluation-toolkit).
- **Significant reductions in alarm fatigue** and improved HCAHPS scores for communication and responsiveness ([BMJ Quality & Safety](#)).
- **Sustained improvements** in workflow efficiency and caregiver satisfaction (https://www.mayoclinicproceedings.org/article/S0025-6196(1630625-5/fulltext).

Why This Approach Is Different

Unlike technology-first solutions, AMP starts with deep caregiver insights and builds technical solutions around validated workflow patterns. This human-centered methodology creates sustainable change that scales across departments and facilities.

Citable Resources

- HIMSS Analytics: https://www.himss.org/resources/clinical-communication-and-collaboration
- Spyglass Consulting: https://www.spyglass-consulting.com/spyglass-consulting-group-reports/
- BMJ Quality & Safety: https://qualitysafety.bmj.com/content/29/1/1
- AHRQ Health IT Evaluation Toolkit: https://digital.ahrq.gov/ahrq-funded-projects/health-it-evaluation-toolkit
- Mayo Clinic Proceedings: https://www.mayoclinicproceedings.org/article/S0025-6196(1630625-5/fulltext)

Call to Action

Ready to extend the value of your EMR and unify clinical mobility?

Learn more about how the Alairo Mobile Platform can transform your workflows and outcomes.

Visit https://lonestarcom.com/alairo-solutions to get started.

About the Author

Jeff Richard, MBA, RRT

Jeff brings a unique perspective to healthcare technology as a former hospital customer turned industry leader. Today, Jeff leads initiatives at Alairo focused on clinical mobility, alarm management, and workflow transformation. His mission: to bridge the gap between frontline realities and innovative solutions that improve patient safety and staff experience.