12 Hospital Apps for Quick ROI

Mobile Use Cases that Will Solve Real Problems – Fast!





Mobile Health, 10 Years In: Where is the ROI?

Ever since it burst on the healthcare scene, mobile has been a novelty of great promise. Hospitals were eager to jump on the mobile bandwagon and launch a branded app or a few. Developers have been flooding the app stores with healthcare apps – as of 2015, the number of mHealth apps has reached 165,000.¹ Investment in mobile and digital health has been surging steadily. Analysts have been predicting that soon, digital health and apps would essentially replace physicians.

As years go by, however, hospital CEOs, CFOs, clinicians, and marketers increasingly question the value of their organizations' mobile initiatives. The million-dollar question now is, **where is the ROI?**

Healthcare costs are still climbing; hospital budgets are shrinking; and mobile still fails to deliver:

- There is insufficient clinical evidence to support the ROI of mobile health apps.⁴
- User adoption is less than stellar for the vast majority of provider apps.⁶
- Health apps fail to be accessible or useful to vulnerable, underserved populations.⁷

How Can Mobile Be Put to Work Quickly?

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The New Approach: Go for Quick Wins

A 2014 McKinsey survey has found that **"starting small"** and **"acting fast"** is what patients really want when it comes to digital experiences. Highly innovative, fancy apps and wearables were found to be less important to patients than simple, straightforward mobile health tools. The advice, therefore, is to go for **"quick wins"** that, ideally, generate patient momentum and build a significant user base. ⁸ And, of course, show ROI – in healthcare outcomes, cost savings, revenue, etc.

At MobileSmith, we see a lot of value in such a pinprick approach to mobile strategy. Times and again, the best-performing apps turn out to be the ones that are streamlined, focused, and providing two or three simple, useful functions targeted at a particular aspect of healthcare delivery. Having worked with hospitals for 4+ years, we have been constantly on the lookout for efficient patient-facing and physician-facing mobile use cases and acutely aware of the mobile ROI problem.

So, we reached out to our clients and prospects with series of discovery questions about their most pressing needs. We have identified several areas where **mobile can be put to work quickly**. These areas range from readmission reduction to physician engagement; from ER traffic optimization to population health. We humbly submit these **12 mobile ideas** to your attention and request your feedback – are any of these problems important to you? Would you like to explore if there's an app for that - at **your** hospital, in **your** department?

Are you ready for real mobile ROI? Read on!

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Reducing ER Overuse

Unnecessary ER visits are a major cost driver and quality issue for hospitals today. The cost of an overnight ER stay can range from \$2,500 to \$4000, whereas non-ER primary care alternatives can be cheaper by orders of magnitude. As ER usage grows, managing throughput can be a real challenge. At the same time, It is estimated that over 70% of ER visits are for non-urgent conditions. ¹⁰

Key Components of the Problem:

- Non-emergency patients often present with symptoms of true emergencies. ¹¹
- People sometimes get redirected from urgent cares not equipped to treat them.
- Shortage of primary care doctors who accept Medicaid.
- No penalty or incentive for physicians or patients to move away from ER.
- ERs see people on the same day guaranteed; while primary care can be unpredictable.
- Newly insured people are accustomed to using the ER, despite much higher costs.

Is There an App for That?

Yes - several, in fact. Mobile functions that can divert potential ER clients focus on several problem areas:

Awareness of Alternatives:

- Show available in-network primary or urgent care providers in the area.
- Hours of operation; GPS directions and wayfinding tips; streaming wait times.
- See the friendly face of your local primary doctor; make an appointment today!

Awareness of Costs:

- Search primary providers or Urgent Care centers by accepted insurance; get directions; see wait times.
- Quick cost comparison upfront copay vs. post-visit bill.

Awareness of Symptoms:

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- See most common non-urgent conditions and symptoms; do I need to go to (take my child to) the ER?
- Get timely immunizations and well-checks; connect to local primary care.

"Frequent Flyers":

• Give your super-utilizers a cheap smartphone with an app showing available overnight stay options; directions; contacts.





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App Ideas for Reducing ER Overuse



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Your Apps can Be Easily Cloned and Customized to a Particular Condition

App Ideas for Reducing ER Overuse



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Reducing Preventable Readmissions

In fiscal 2017, 2,597 out of 3,400+ U.S. hospitals subject to the Hospital Readmissions Reduction Program will get hit by Medicare penalties. Forty-nine hospitals will be subject to the maximum 3% reduction.¹³ Reducing preventable 30-day readmissions remains a pressing and multifaceted problem.

Key Components of the Problem:

- Premature discharge or inadequate post-discharge support.
- Failed handoffs; miscommunication; insufficient follow-up after discharge. ¹⁴
- Complications following procedures.
- Hospital-acquired infections and conditions.
- Medication non-adherence and adverse drug events. ¹⁵
- Loss of independence after surgery for older patients. ¹⁶
- Conditions: CHF, diabetes, sepsis, COPD, total hip and knee replacement, pneumonia. ¹³

Is There an App for That?

Yes – there are several quick apps you can implement to target these problems and see rapid ROI:

Pre-op / Post-op Apps:

- Targeted, precise pre-op and post-op instructions for any type of surgery or procedure.
- Accurate list of medications and customizable reminders for the patient and their caregiver(s).

Mobile Discharge Summary:

• Turn the Discharge Summary into an app; make it portable to reduce miscommunication between providers.

Mobile Handout to Patients:

- Mobile self-survey similar to "Ask Me 3" formulated by the National Patient Safety Foundation.¹⁷ Home Care App:
- List of patients to visit; GPS directions; secure check-in; enter/edit notes; use beacons to track home visits. Antimicrobial Stewardship App
- Education for physicians; hospital policies; local antimicrobial resistance stats; prescription guidelines. Condition-Specific Wellness Apps



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If you have a home visit program, your care coordinators will need an easy-to-use **Home Care Companion** app to schedule visits, enter or edit notes, and identify care gaps. Your team can login securely and quickly sync data with internal data sources.

Complement your Antimicrobial Stewardship program by an easy-to-update mobile app featuring facility-specific treatment recommendations, local susceptibilities, updates on antibiotic prescribing, resistance, and infectious disease management.



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Engaging Physicians

Physician shortage; burnout, and disengagement are increasingly impacting the accessibility and quality of healthcare services. Continued referrals outside of networks cause a steady leakage of patients that results in nearly 40 million in lost revenue per year.¹⁹ When your hospitals leaks referrals, it also forfeits the oversight of patient care and loses the leverage over information exchange, which can disrupt the continuity of care. So, there is a larger cost to the problem than just the loss of revenue. Among the physicians employed at hospitals, burnout is hitting critical levels. Last year, burnout levels reached 55%, according to a MedScape survey.²¹ Retaining and engaging physicians is one of the top priorities for hospitals today, and the focus of many programs.

Key Components of the Problem:

- Out-of-network referrals lead to loss of revenue and loss of control over information exchange.
- Too much paperwork is cited as the top contributing factor to physician burnout.²²
- Poor communication between physicians and administrators leads to disengagement.
- EHR implementations may be plagued by order errors and compromised patient data security, adding to physicians' job stress. ²³

Is There an App for That?

Physician-facing mobile apps can go a long way towards solving these problems. You can distribute these apps to your staff via email and update content on-the-fly. **Streamline Physician Referral:**

• Reduce physician leakage– promote your brand and facilitate referrals within network using a public-facing physician referral app.

Improve Physician Engagement:

- Foster high morale and alleviate burnout by improving internal communications using a customized internal app.
- Add a dynamic directory, search, and interactive location-based features.
- Use your internal app to organize and promote trainings, events, contests etc.



Are you a Physician or a Nurse facing everyday challenges? Got a great idea for a mobile app? Reach out to us, and let's build it!

<u> pilot@mobilesmith.com</u>

App Ideas for Preventing Referral Leakage and Physician Burnout



Launch a branded **Physician Referral app** to streamline your referral process and foster physician relationships. Make it easy for in- and out-of-network physicians to refer to your healthcare system. Promote your healthcare brand to the local physician community.

Foster physician engagement and morale with **targeted internal apps**. Promote patient care values; include educational resources; feature a quote of the day or an employee of the week; promote internal success stories and run contests (use beacons to introduce location-based features!)



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MobileSmith is the #1 platform for branded hospital apps in the U.S. We invite you to launch a **mobile pilot** at your healthcare facility!

Your feedback on the mobile ideas presented here is greatly appreciated. Are these problems important to your organization? **Are you ready to put mobile apps to work?**

We will work with you diligently to get to the root of the problem and come up with the optimal mobile solution.

Contact us Today: <a>pilot@mobilesmith.com



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