

# Trends in usage of Health-IT Services using mobile devices

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## ABSTRACT ONLY

### **Introduction**

One of the factors for relatively low adoption of computers at point-of-care has been the bulky nature and less number of workstations available for data entry and access.

### **Problem statement**

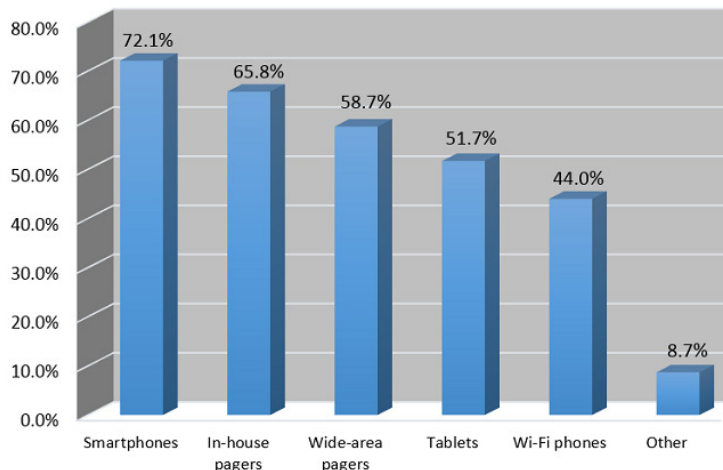
Using time and motion study, we see high engagement periods during early morning ward rounds and during peak OPD timings, during which several specialists, residents and nurses are simultaneously working around the same area. One or two computers become too less for data retrieval and decision making.

### **Using ubiquitous devices for data access**

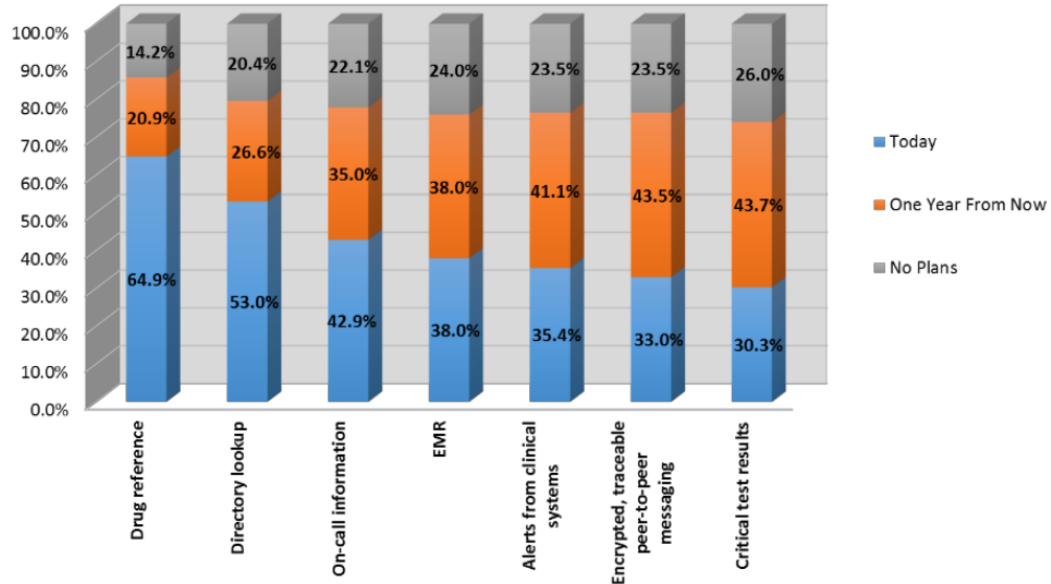
This paper explores trends of usage of mobile devices in hospitals including BYOD policies to permit safe data access at point of care.

### **Types of mobile devices supported by hospital**

Predominantly, the hospitals are supportive of smartphones under BYOD category (71% allow it), closely followed by tablets at 51.7% . (See fig below). In smartphone category, 51.4% support Android while iOS is supported by over 80.5% hospitals



## Type of data accessed/ planned for access by these devices



About 65% users access drug references using their mobile devices, closely followed by directory lookup at 53%. However, going ahead, over 40% users wish to use it for receiving alerts from their systems, secure messaging and to access clinical trial results.

## Main drivers/ incentives for using mobile devices by doctors

¾ of all doctors feel increase in efficiency when using these devices while about ½ the doctors feel their driver is better patient record access, drug information and better team co-ordination

## Mobility policy in hospitals

Over 44% hospitals have a written policy on usage of mobile devices while 35% hospitals do not as yet, plan to implement a mobility strategy

## Conclusion

While the trend to use BYOD/ mobile devices for access to patient data, hospitals need to bring in firm policies for secure usage and data access and define acceptable usage within and off premises.

## Bibliography/ Sources

1. All figures from 'The Role of Mobility Strategies in Healthcare: 2013 Survey Results' by AMCOM software
2. Mobility strategy & secure texting solutions by Amcom software
3. The Consumerization of Mobile Devices by David Houlding, MSC, CISSP, CIPP, Intel Corporation
4. Wikipedia