iatricSystems™

# MobiLab® Barcode Specimen Collection

*Return on Investment Realized*




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# Who We Are

iatricSystems has been delivering healthcare IT to hospitals around the country for 35+ years.

Since 2004, MobiLab has helped more than 300 hospitals improve the patient experience by eliminating specimen labeling errors, decreasing turnaround times and increasing efficiencies for laboratory and other clinical staff.


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# What is MobiLab?

A mobile specimen collection application solution that brings positive patient identification, specimen label printing, and positive specimen identification, to the bedside.

It can be used in acute and outpatient settings by any caregiver who performs specimen collection, like phlebotomists, nurses, or respiratory therapists.


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# Why is Mobile Barcode Specimen Collection Important?

- Incident of mislabeling errors are found to be as high as 7%[1]
- 55.5% of total lab errors are contributed to mislabeled specimens[2]
- 1 of every 18 lab errors results in an adverse event, which translates to over 160,000 events a year nation-wide[2]
- Patients can lose up to 50mL of blood per day to diagnostic venipunctures, leading to hospital-acquired anemia[3]
- Indiscriminate blood testing contributes to patient dissatisfaction, discomfort and cost[4]

1. Sandhu, Paramilt et al.
2. College of American Pathologists et al.
3. Shander, A. & Corwin, H. L.
4. Snyder, S. R. Favoretto, A. M. et al.


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# Barcode Specimen Collection Reduces Mislabeled Specimens

- “Identification (ID) errors may result in patient harm and are completely preventable.”[5]
- “Barcoding is effective for reducing patient specimen and laboratory testing identification errors in diverse hospital settings and is recommended as an evidence-based best practice.”[5]
- Barcode specimen collection reduced mislabeled specimens and collection turnaround times in the emergency department, med-surg, critical care, and maternal health units of a community hospital in Maryland.[6]

5. Snyder, Susan R. et al.
6. Saathoff, April M et al.


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# MobiLab Functionality

- Patient and positive specimen identification at the bedside
- Wireless label printing at bedside; labels with date/time & collector ID
- Notification of misses draws
- Wrong patient/specimen label alerts
- Stat order alerts
- Real time receipt of orders
- Order & collection instructions viewable during collection process
- Future & previous collection information viewable during collection process
- Application available for handheld and mobile PCs


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# ROI Realized

- Barcode specimen collection systems can reduce test result turnaround times by as much as 20-40%[7]
- The average number of mislabeled specimens in the U.S. varies, but estimates suggest a rate of around 0.1% to 1% of all specimens[8]
- For mislabeling errors, the College of American Pathologists (CAP) estimates the redraw cost to be about $712 per specimen[9]
- Specimen identification errors that result in adverse patient events can be costly for U.S. hospitals. According to a report by the ECRI Institute, these errors can cost hospitals approximately **$200,000 to $400,000** per error, depending on the severity of the adverse event and associated legal, medical and corrective costs.[10]

7. Trask L, Tournas E
8. Sautter, Ronald L., et al.
9. Wagar, Elizabeth A., et al.
10. ECRI Institute


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# ROI Realized with MobiLab

*Improving Patient Safety/Satisfaction & Workflow Efficiency*

- Eliminates patient and specimen identification errors
- Eliminates mislabeling errors
- Eliminates preprinted & hand-written labels
- Improves collection documentation
- Improves timeliness of care
- Decreases unnecessary and repeat venipunctures
- Improves workflow & equipment costs with handheld and desktop options
- Reduces material cost by eliminating batch/pre-printed labels


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# ROI Realized with MobiLab

"For Norman Regional Health System, implementing MobiLab has resulted in positive patient and specimen identification as well as benefits throughout the organization – from users who collect specimens to the laboratory that processes them, the providers who count on the results to give exceptional patient care. Specimen collection is safer, easier and faster for everybody."

*- Norman Regional Health MobiLab Implementation Team*


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# An Improved Workflow

- MobiLab provides immediate, automatic notification of STAT orders, eliminating manual paging and phone calls
- When physicians enter STAT orders, the orders pass immediately to MobiLab so users can get to work faster
- Tubes are labeled clearly with the date, time and user, eliminating any illegible documentation
- When specimens are returned to the lab, accurately labeled tubes and the electronic transfer of collection time and user ID allow them to be received and processed immediately
- Turnaround times have improved, positively impacting physicians and other patient care providers. Providers who do early morning rounds, can see test results much sooner.

*- Norman Regional Health MobiLab Implementation Team*


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# Benefits Seen from MobiLab

- Eliminated mislabeled specimens
- Improved patient safety and experience
- Improved test result turn-around-times (reducing time to discharge)
- Eliminated preprinted batch labels
- Reduced phone calls for lab and nursing
- Eliminated handwriting date/time/initials
- Reduced unnecessary venipunctures
- Reduced exposure to liability


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# ROI Calculator

For teams looking to see how MobiLab directly impacts their bottom line, head over to our personalized ROI calculator today!


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# Contact Us

978.805.4100

info@iatric.com

www.iatric.com



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