

Point-of-care Testing in the Emergency Department

➤ siemens-healthineers.us/EmergencyDepartment

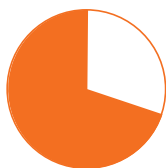


In the emergency department (ED), rapid and accurate evaluation of acute, life-threatening conditions is crucial. In most urgent cases, patient-side blood analysis, on-site creatinine results, and pregnancy status are vital for accurate diagnosis and treatment.

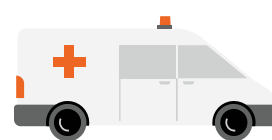
Approximately

70%

of patients admitted to hospitals each day come from the emergency department.¹



Nearly 50% of emergency departments in the U.S. are at or over operating capacity, which contributes to overcrowding and compromises patient safety.²



18.3 million (13.1%)

Total of emergency department visits resulting in hospital admission (U.S.).³

Siemens Healthineers understands the challenges often faced in the ED and can help you transform care delivery by providing the right test in the right place at the right time.



Optimize clinical operations

epoc Blood Analysis System

A complete blood gas and basic metabolic panel with hematocrit and lactate to improve ED workflow.



Reduction in sepsis patient mortality rate



"Monthly mortality rates in sepsis patients decreased from 41.7% at the beginning of our assessment (January 2014) to 8% in February 2015, showing a larger reduction in mortality than results from the Surviving Sepsis Campaign (SSC) study.⁴"



Reduce operating costs

RAPIDPoint 500e Blood Gas System

Blood gas, pH, electrolytes, metabolites, and full CO-oximetry (including neonatal total bilirubin and total hemoglobin) in approximately 60 seconds.⁶



cost time ↓

"Cost and time involved in troubleshooting and maintenance have been highly reduced with the RAPIDPoint 500 system.⁵"



**Make faster and
more accurate decisions**

CLINITEST hCG Pregnancy Test

Qualitative, instrument-read test for early detection of pregnancy to help clinicians quickly evaluate patients in the ED.



**Results provided within
five minutes or less⁷**

Allowing more time for staff to provide prompt patient care with a true walkaway operation—add a sample and the analyzer does the rest.



**Smart analytics and
streamlined workflows**

POCcelerator Data Management System

Streamline your workflows by connecting more than 240 devices from 70+ manufacturers, saving time and operational costs.



**8 hours
per week ↓**

Since installing the POCcelerator system, Queensland Health achieved a 5% increase in cost recovery through reimbursements and reclaimed eight hours per week of POC Coordinator time.⁸

References

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3. National Center for Health Statistics, National Hospital Ambulatory Medical Care Survey, 2021; <https://www.cdc.gov/nchs/fastats/emergency-department.htm>;
4. Chase RA, DeJulio PA, Huml JP, Johnson AP, Kaminski RM. Implementation of point-of-care blood gas testing at a large community hospital: Cost analysis, sepsis bundle compliance, and employee engagement. *Can J Respir Ther.* 2021 Jun 4;57:60-67.
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7. CLINITEK Status+ Analyzer Operator Manual, Page 37, 10490853 Rev. E, 2022-05.
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Siemens Healthineers Headquarters

Siemens Healthineers AG
Siemensstr. 3
91301 Forchheim, Germany
[siemens-healthineers.com](https://www.siemens-healthineers.com)

USA

Siemens Healthcare Diagnostics Inc.
Point of Care Diagnostics
333 Coney Street
East Walpole, MA 02032-1516, USA
Phone: +1 781-269-3000
[siemens-healthineers.us](https://www.siemens-healthineers.us)

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