Impact Of Diagnostics On Healthcare Outcomes

Lab Tests Represent 2% of Healthcare Spending

AND

Influence 70% of Medical Decisions

Reduced Hospitalizations\(^{(1)(2)}\)
Patients with heart attack symptoms receiving point-of-care testing in the Emergency Department had

- 38% Fewer intensive care admissions
- 12% Fewer hospitalizations
- 8% Reduction in length-of-stay

Fewer Readmissions\(^{(3)(4)}\)
Patients whose HbA1C level was tested during hospitalization had

- 7.4% Fewer readmissions
- 30% Reduction in readmissions due to heart failure

Fewer Infections\(^{(5)}\)

39% Reduction

in MRSA surgical site infections through active surveillance testing
Better Outcomes

56,000 Adverse Health Effects
34,000 Deaths
Avoided through Appropriate Diagnostic Testing

59% Improvement in Patient Satisfaction

Reduced Use of Unnecessary Antibiotics

60% of Patients with a sore throat receive antibiotics
But only 15% of sore throats are actually caused by Strep A which is treatable with antibiotics and can be diagnosed with a 10-minute test

Lower Total Costs

$1,684 Estimated Lifetime Cost of Care For Diabetic Receiving Regular Diagnostic Testing

$80,553 Estimated Lifetime Cost of Care For Non-Compliant Diabetic

$900 Million Estimated Total Avoidable Healthcare Costs Per Year Related to Lack of Appropriate Diagnostic Use

Sources
(1) Lewin Group, Laboratory Medicine: A National Status Report
(2) Siemens: West Houston Medical Center Case Study
(4) Clinical Laboratory News, The Race to Reduce Readmissions
(5) Advanced Healthcare Network, Reducing Healthcare Costs with Lab Diagnostics, reporting on results at Pitt County Memorial (NC) Hospital
(6) Lewin Group, The Value of Diagnostics Innovation, Adoption and Diffusion into Healthcare
(7) Healthday, Too Many Antibiotics Prescribed for Sore Throat
(8) American Clinical Laboratory Association