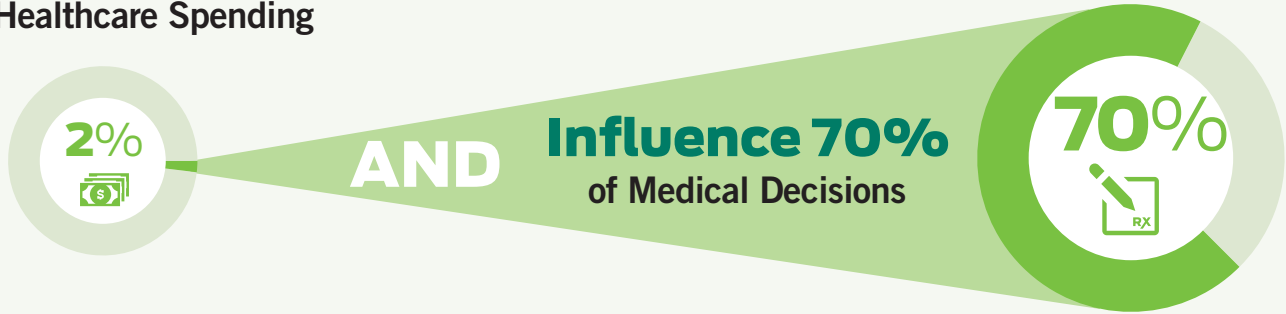


# Impact Of Diagnostics On Healthcare Outcomes

**Lab Tests Represent 2%**  
of Healthcare Spending



## Reduced Hospitalizations<sup>(1)(2)</sup>

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<sup>(3)(4)</sup>

Patients whose HbA1C level was tested during hospitalization had

**7.4%** Fewer readmissions

**30%** Reduction in readmissions due to heart failure



## Fewer Infections<sup>(5)</sup>

**39% Reduction**

in MRSA surgical site infections through active surveillance testing



## Better Outcomes<sup>(6)(2)</sup>

**56,000** Adverse Health Effects

**34,000** Deaths

Avoided through Appropriate Diagnostic Testing

**59%**   
**Improvement**  
in Patient Satisfaction

## Reduced Use of Unnecessary Antibiotics<sup>(7)</sup>



**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<sup>(8)(6)</sup>

**\$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](#)
- (3) [BioMed Research International, Impact of HbA1C Measurement](#)
- (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](#)



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