

# THE RESULTS ARE IN AND THEY ARE POSITIVE:

## It's Time to Optimize the Utilization of Laboratory Tests

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Performance Excellence

# Diagnostic Services Utilization

- ▶ 70–90 % of all clinical decisions
- ▶ ~3500 tests available
- ▶ Enormous expenditure
- ▶ Annual increases second only to pharmaceuticals
- ▶ Wide variations exist
- ▶ Quality issue

# Laboratory Connection to Diagnostic Error

- ▶ Ordering an inappropriate test
- ▶ Not ordering an appropriate test
- ▶ Not properly using the results from an appropriately ordered test
- ▶ Delays or errors in producing results for appropriately ordered tests

**Reference:** CLN 2012; 38:17

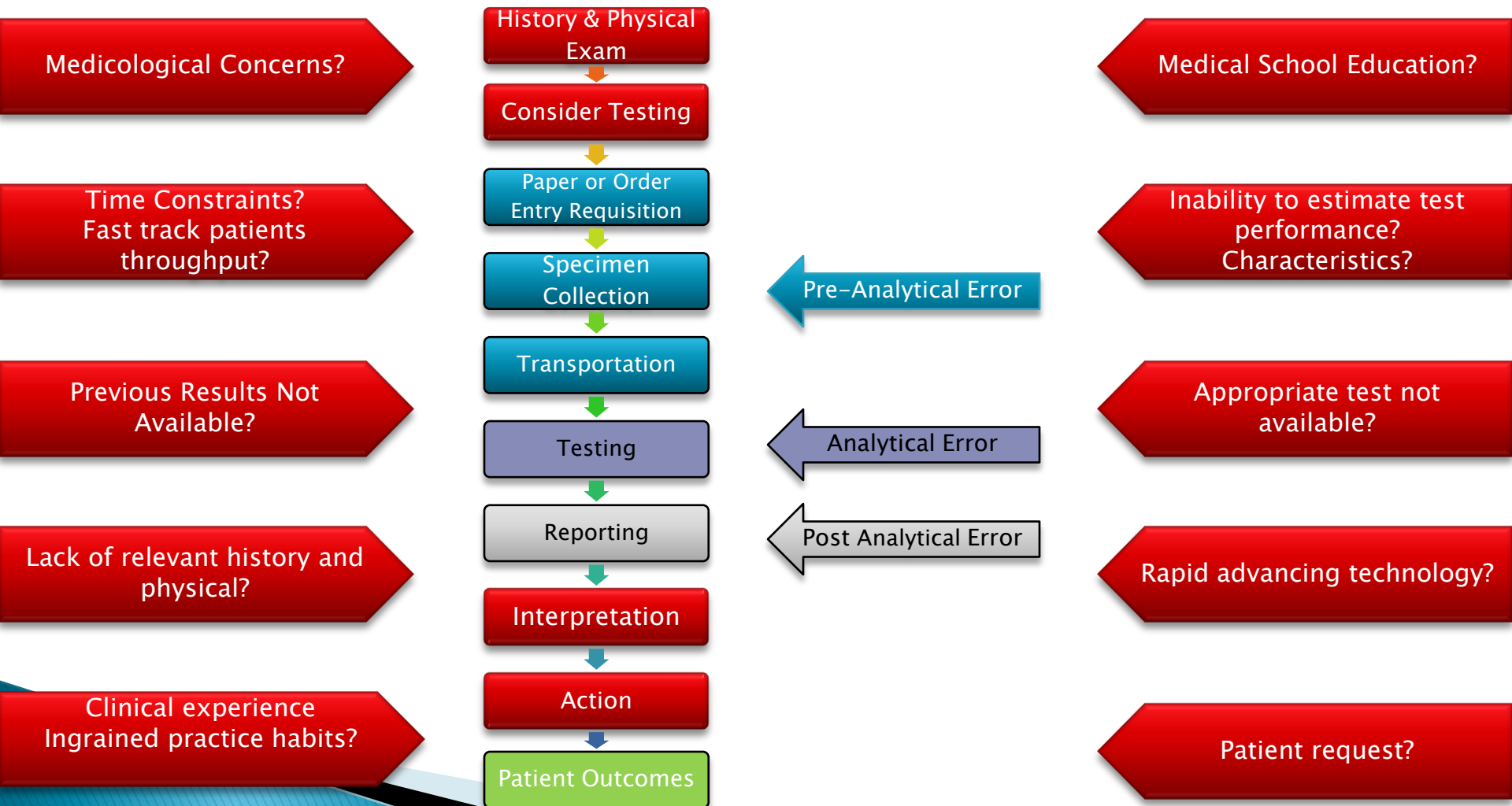
*Clinical Laboratory Integration into Healthcare Collaborative  
Centre for Disease Control and Prevention*



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Optimize the  
Utilization of  
Laboratory Tests!

# Diagnostic Test Cycle

## Root Cause of Inappropriate Testing



# Systematic, Multi-Initiative Strategy for Improving Diagnostic Service Utilization

## Evidence Based Guideline Development

\*Database accessible

\*Includes clinical utility

\*Testing algorithms

### Medical Education

- \* Medical schools
- \*CME for practicing physicians
- \*Technology enabled

### Information Technology

- \*Inclusive EHR
- \*Improvement data-analysis peer comparisons
- \*Real time decision support

### Improvement Initiatives

- \*Improvement expertise
- \*Lab/physician engagement
- \*PDCA, Quality collaboratives, etc

### System Planning

- \*Policies
- \*Method selection
- \*POC/in-house/referred out

### Patient/Family Engagement in Wellness & Care

- \*Information on appropriate testing
- \*Patient portal- EMR
- \*Online health assessment
- /feedback systems

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## PERFORMANCE EXCELLENCE



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