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e-LAB Solutions Connect™



Automated Proficiency Test Reporting

October 7, 2015

Agenda – e-LAB Solutions Connect™

1 What is a Proficiency Test?

2 Laboratory challenges with manual PT test reporting

3 e-LAB Solutions Connect Intro/History

4 Case Study

5 Benefits

6 How does it work?

What is a Proficiency Test?

A proficiency test (PT) is simply, a method that you may use to validate a particular measurement process that is required for non-waived tests to meet regulatory and accreditation requirements

- Laboratories are provided with unknown specimens for testing
- Laboratories analyze specimens and submit results to CAP for evaluation by entering results manually online through e-LAB Solutions Connect™ or by fax
- Each laboratory receives an evaluation of their proficiency testing performance and the Participant Summary Report.

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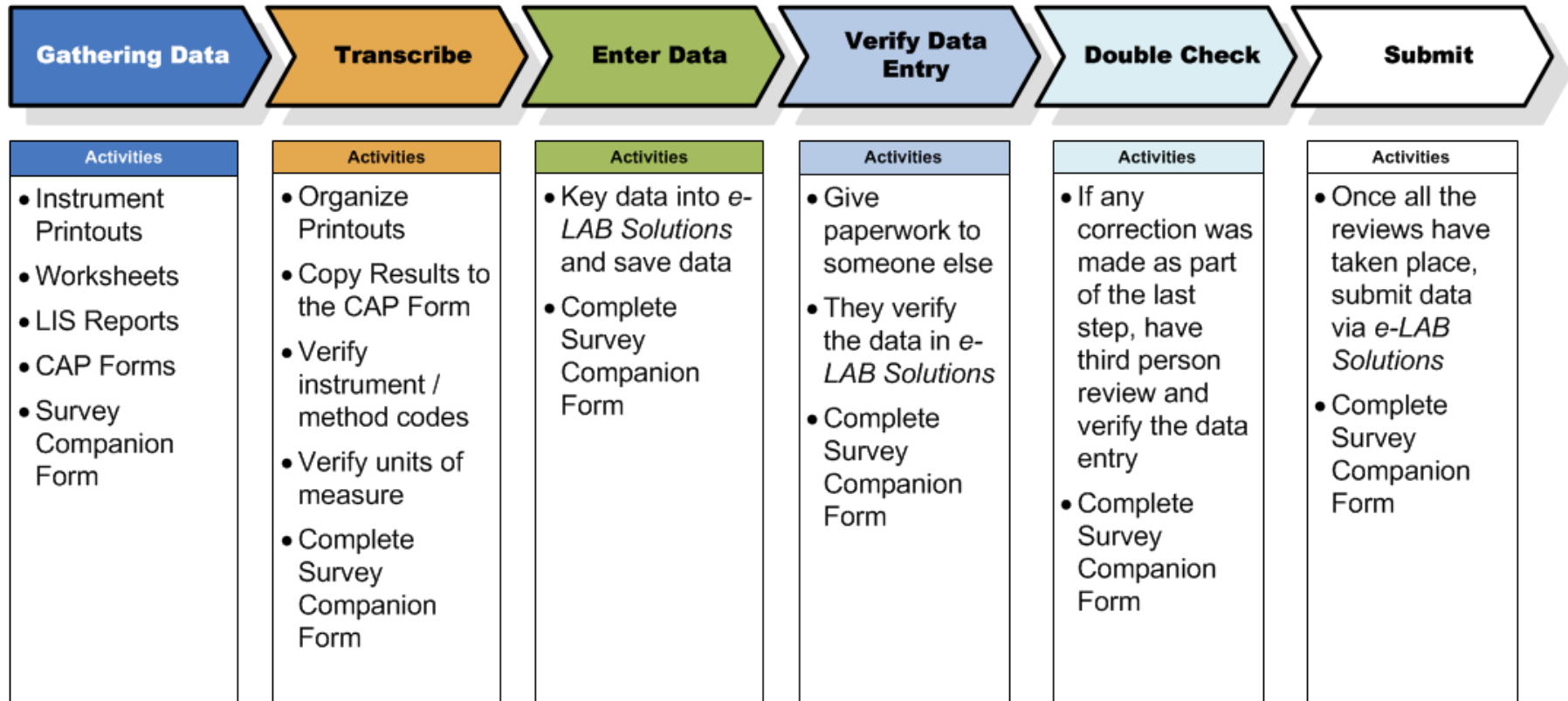
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Multiple manual steps required for PT test reporting



A typical flow related to transcription of PT results

What is the Impact on the laboratory?

- Staff dedicated to non patient-centric activities that often lead to clerical errors
- **REQUIREMENT:** The laboratory must test samples in the same manner as patient specimens
(CLIA 88, Section 493-801)
- Clerical errors are the primary cause of PT failure 40% of PT clerical errors result in compliance notices* **Survey of proficiency testing compliance notices conducted by the CAP between 2007-2012*

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Two leaders working together developed an automated PT submission solution



CAP is the leading provider of proficiency testing

- Over 22,000 PT subscribers in 70 countries
- The most comprehensive offerings across all disciplines



DI is the world's largest laboratory middleware company

- 6,500+ Installations in 70+ countries with 40+ industry partnerships

It's about
TIME

e-LAB Solutions Connect



**Automated Proficiency Testing Reporting
Accession, Analyze, Review and Submit**

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CAP Case Study *

- Profile
 - CompuNet Clinical Laboratories
 - Quest partnership facility
 - 19 steps identified by process map
 - Nearly 90% of the steps are unique to PT samples
 - 347 challenges

* **How to Reduce Clerical Errors *Run Proficiency Testing As If Testing a Patient Specimen***
Mark Shearer, MCLT, MT(ASCP) Director of Chemistry, CompuNet Clinical Laboratories

CAP Case Study *

– Key Findings:

- Reduce PT workflow steps by 63%
 - 19 steps to 7 steps
- Save more than 500 hours of staff time annually.
- Savings: \$18,000 in first year alone
- Eliminate most possibilities for clerical errors
- Better allocate staff to more profitable and productive, patient-centric activities.

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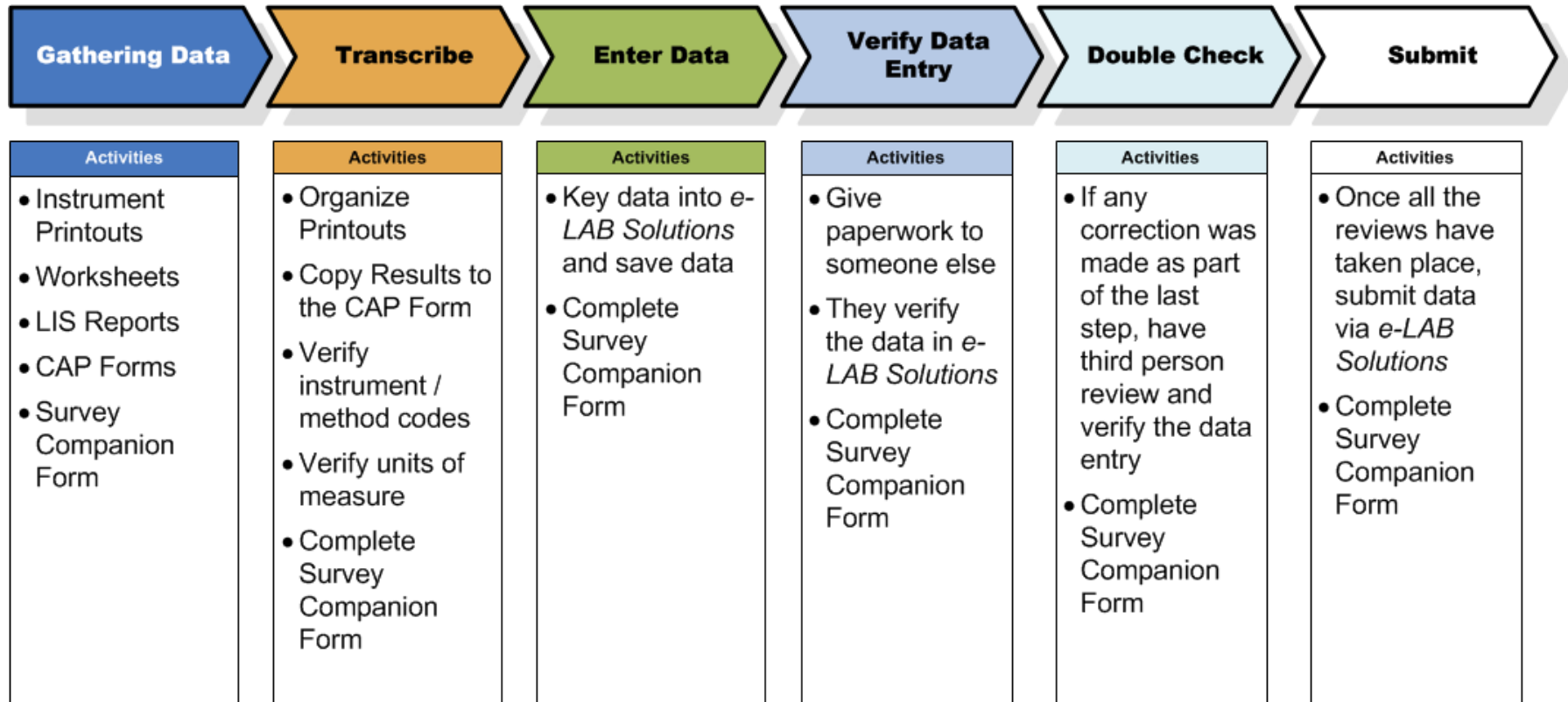
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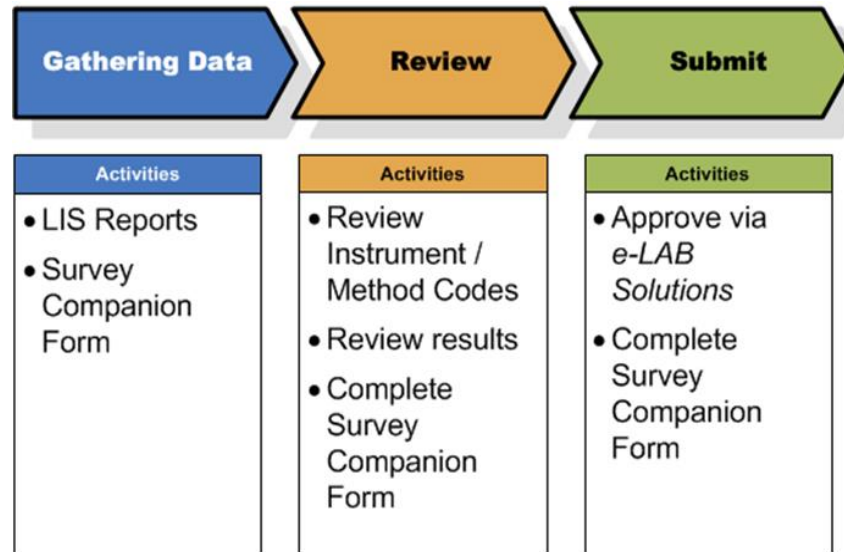
6 How does it work?

e-LAB Solution Connect: Streamlining the process



Before

e-LAB Solution Connect: Streamlining the process



After

e-LAB Solutions Connect™ - Benefits

- **Save time, money, and resources** with automated PT reporting.
 - Allows your staff to focus on laboratory and patient activities
 - Improves staff efficiency
 - Enhances job satisfaction
- **Eliminate clerical errors** from manual transcription, reducing PT failures.
- **Run CAP PT more like a patient sample.**
 - Follows normal laboratory workflow
 - Allows staff to focus on other critical laboratory activities

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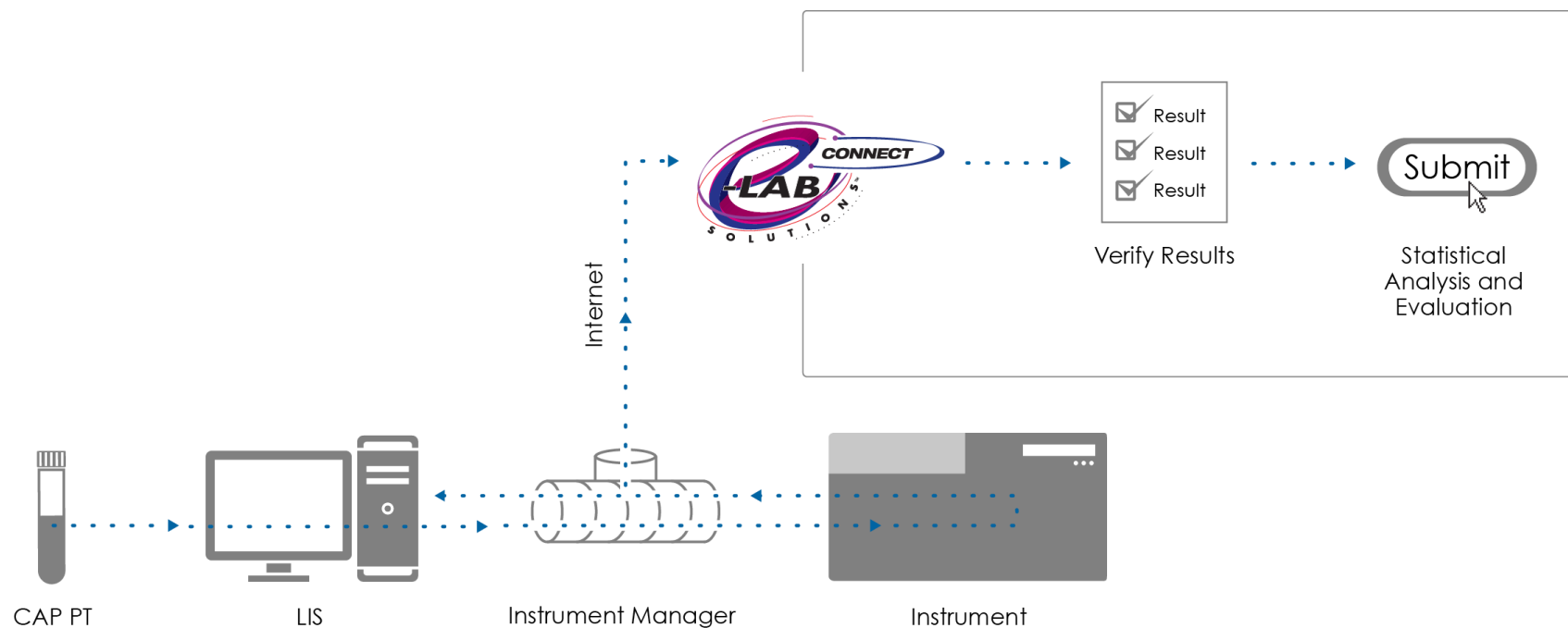
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How does it work?

General:

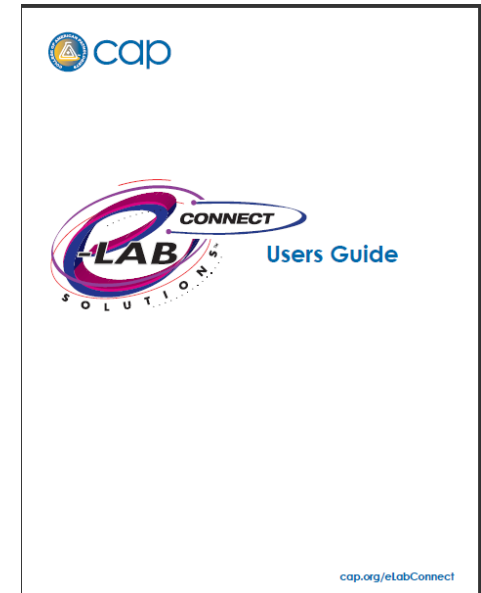
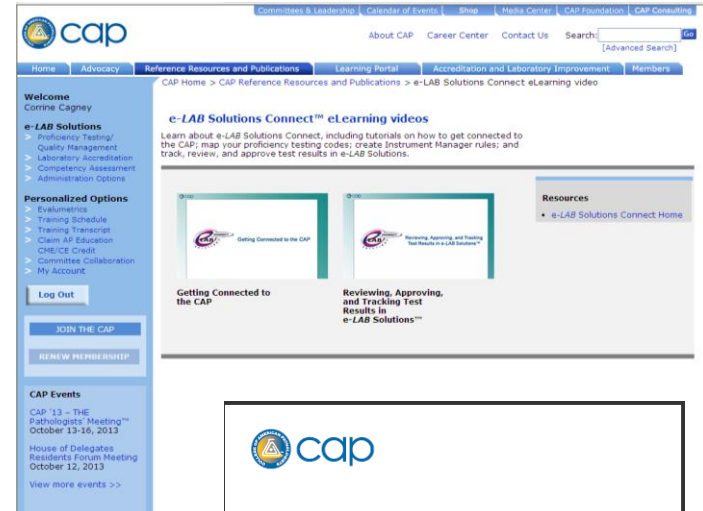


What are the requirements to get started ?

- Middleware software from Data Innovations
 - Instrument Manager (IM) version 8.07 or higher with Specimen Management
- Inbound & outbound firewall access
 - Port 443 – Secure Socket Level
- CAP driver installation
 - IM connection for the CAP/DI driver
- Rule installation
 - Route CAP PT results to e-LAB Solutions
- Create and maintain mapping for CAP PT test results

Resources to help you get connected

- **Five eLearning modules**
 - Getting Connected to the CAP
 - Mapping Your Proficiency Testing Menu to the CAP Codes
 - Reviewing, Approving and Tracking Test Results
 - Creating Instrument Manager Rules for e-LAB Solutions Connect
 - Test Submission Service
- **Users Guide**
- **Data Innovations Services**
- **Cost Savings Calculator**



Summary

- Ability to reduced “special PT only” steps by 63+%-run pt more like a patient sample
- Save more than 500 hours of staff time annually.
- Hard dollar savings: \$18,000 in first year alone
- Elimination of most possibilities for clerical errors
- Better allocate your staff to more profitable and productive, patient-centric activities.

Does it Work?

- 2009
 - 10 Clerical Errors
 - Entered Not Verified
 - Wrong Instrument
 - Wrong Units
 - Sample Mix-Up
- 2013
 - 1 Clerical Error
 - Qualitative Result not support through eLAB Solutions
- 2014
 - 1 Clerical Error
 - Instrument Changed and not updated with the CAP

Contact Information

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847.832.7000 option 1

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DI Phone: 802.264.3470

Thank you for your time!

Questions / Next Steps