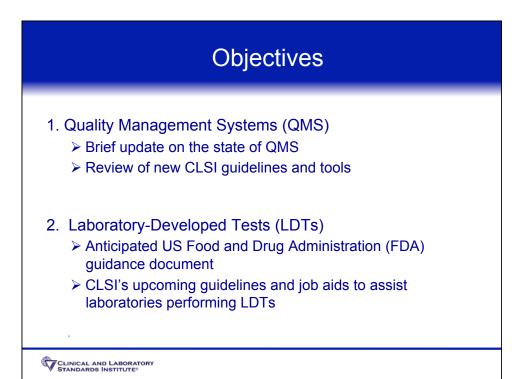
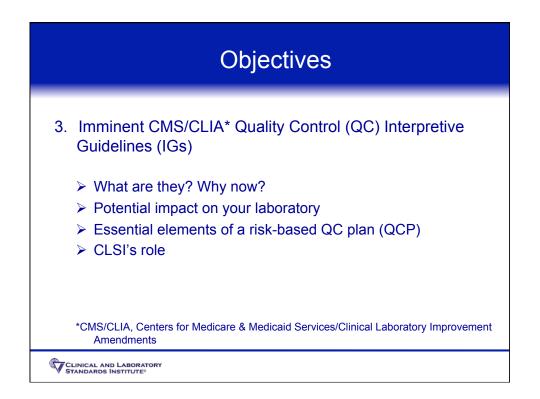
From Quality Management Systems to EP23-The Right QC:

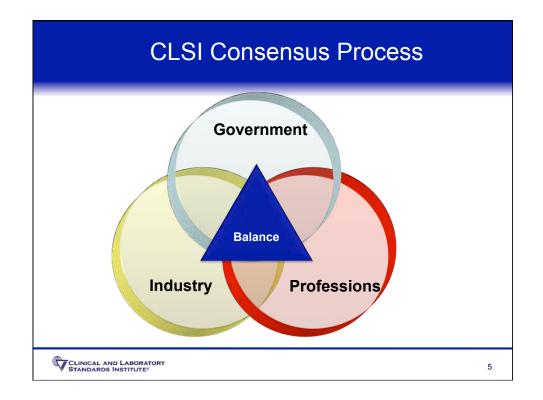
What's New From CLSI

Glen Fine, MS, MBA, CAE Chief Executive Officer Clinical and Laboratory Standards Institute









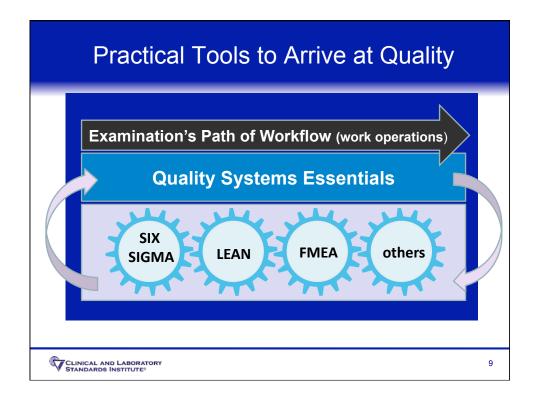


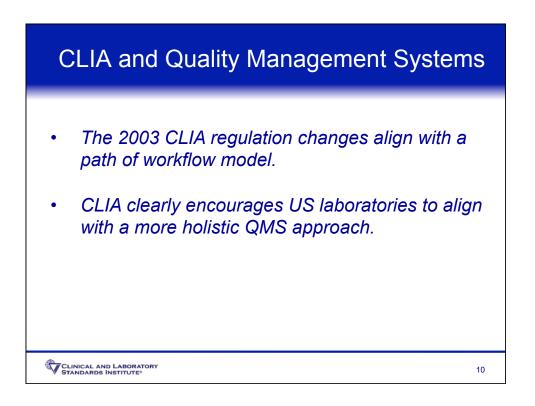
Quality Management Systems Models

There are two major ones in use globally.

ISO: 15189	CLSI: GP26-A4
 Broad-based Overarching standards 15 management requirements Eight technical requirements 	 Specific Practical implementation guidelines 12 quality systems essentials
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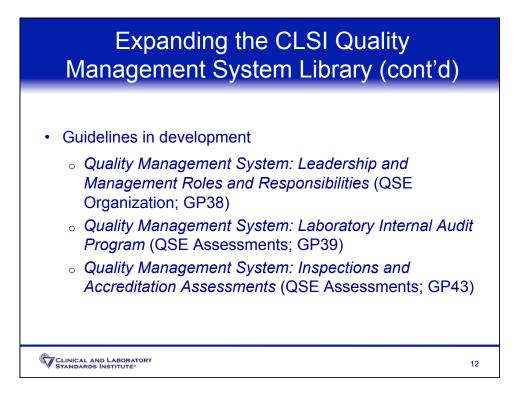






Expanding the CLSI Quality Management System Library

- CLSI's master QMS document is GP26.
- CLSI is creating a consensus guideline for each of the 12 Quality Systems Essentials (QSEs)
- · Recently published
 - Quality Management System: Continual Improvement (GP22)
 - Quality Management System: Equipment (GP37)
 - Quality Management System: Qualifying, Selecting, and Evaluating a Referral Laboratory (GP09)





- Guidelines in revision
 - Quality Management System: Development and Management of Laboratory Documents (QSE Documents and Records; GP02)
 - Quality Management System: Laboratory Design (QSE Facilities and Safety; GP18)
 - Quality Management System: Using Proficiency Testing to Improve the Clinical Laboratory (QSE Assessments; GP27)



New Key to Quality

- · Greatly expanded over the original version
- · Available in an interactive electronic format
- Includes more than 175 downloadable templates to assist with QMS implementation
- Anticipated release date is January 2013

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Laboratory Quality Management System Certificate Program

- · Brand new educational initiative from CLSI
- Earn an education certificate in QMS developed by experts on the 12 QSEs
- Online Web-based program for access 24/7
- Scheduled for launch in early 2013

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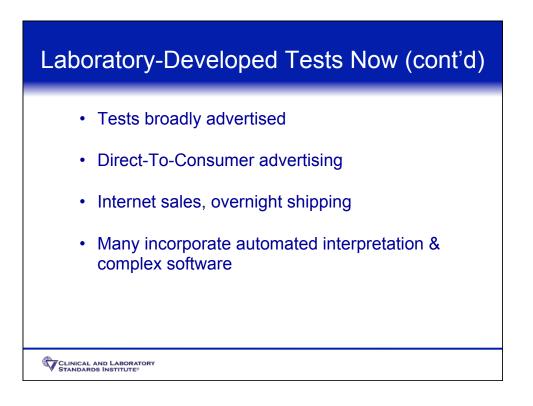


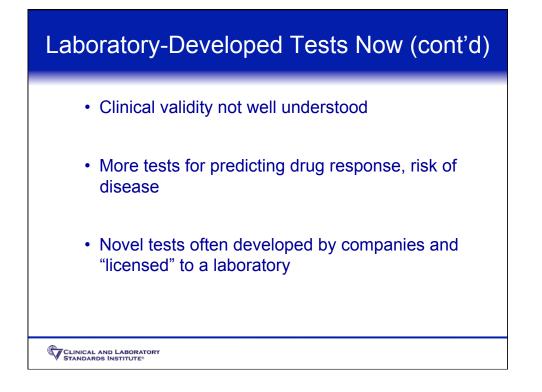
Laboratory-Developed Tests in '80's Also called "home brew" or "in-house" testing

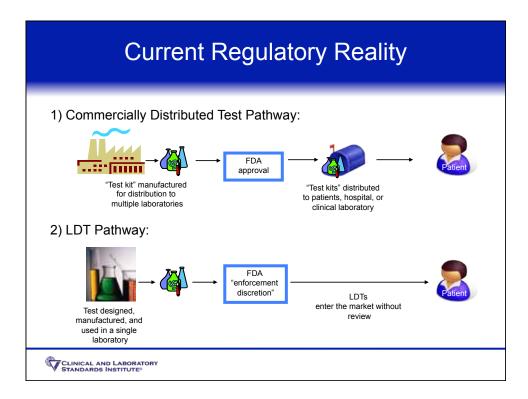
- Test methods generally well established, accessible
- · Often for rare diseases, unmet needs
- Performed by specialists with advanced training and require expert interpretation (karyotype, immunohistochemistry)
- Small test volumes

Laboratory Developed Tests Now

- Volume and types of LDTs have grown significantly
 - Over 2,500 diseases for which tests are available
- Often a mechanism for market entry of novel tests
- · Often no clinician/pathologist/patient relationship
- · Aggressively marketed to clinicians

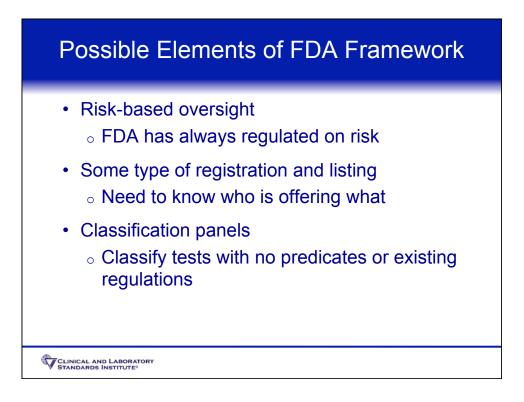






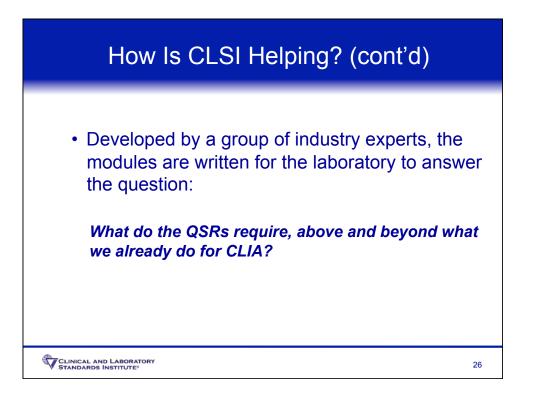


- Look at all LDTs
- Develop a framework to close regulatory gaps
 - Held public meeting to initiate stakeholder input
 - Held meetings with interested stakeholders



How Is CLSI Helping?

CLSI is developing a series of modules to help laboratories performing LDT's understand the FDA's Quality System Regulations (QSRs).



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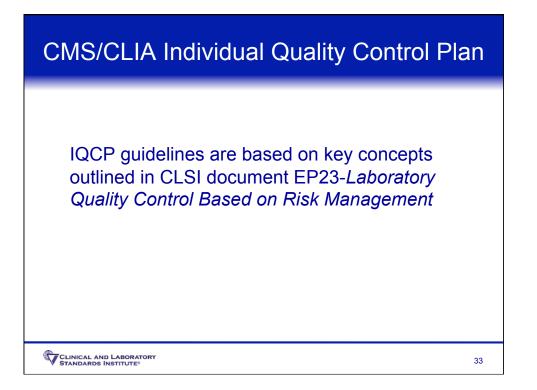


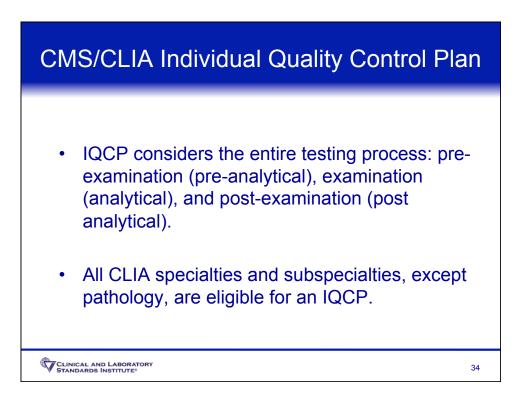


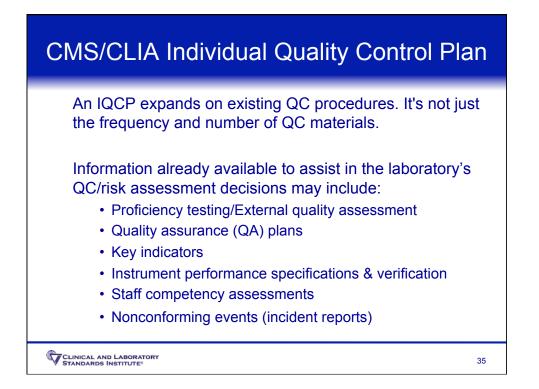




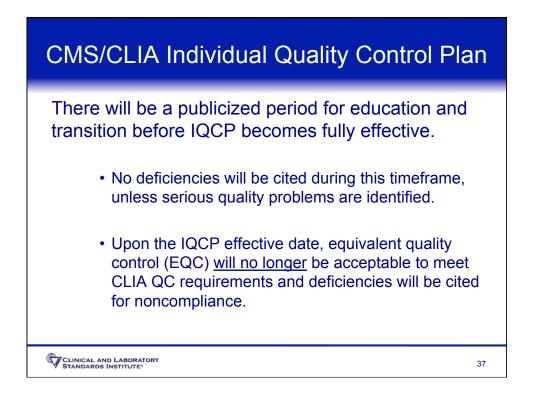


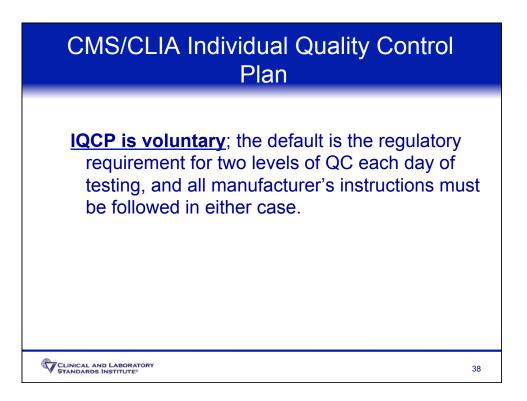


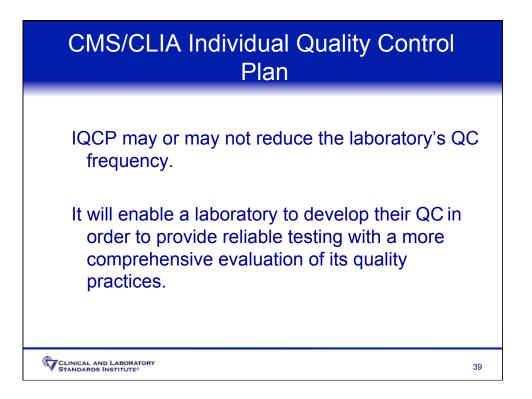












CMS/CLIA Individual Quality Control Plan

The laboratory director has overall responsibility for the laboratory's risk assessment, QCP, and QA.

CMS will use its existing outcome-oriented survey process to assess compliance, and no QC regulations will change.

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CMS/CLIA Individual Quality Control Plan

CMS will continue to accept certain CLSI **Microbiology** QC documents as an option to meet specific CLIA Microbiology QC regulations, in lieu of IQCP or the regulatory requirements.

•M22–Quality Control for Commercially Prepared Microbiological Culture Media

•M50–Quality Control for Commercial Microbial Identification Systems
•M02–Performance Standards for Antimicrobial Disk Susceptibility Tests
•M07–Methods for Dilution Antimicrobial Susceptibility Tests for Bacteria That Grow Aerobically

•M100–Performance Standards for Antimicrobial Susceptibility Testing

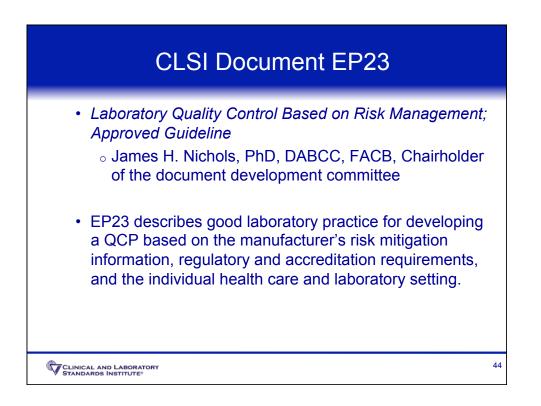
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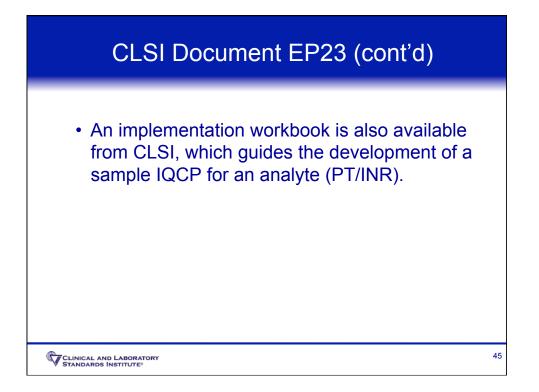
CMS/CLIA Individual Quality Control Plan (cont'd)

Deemed agencies (e.g., College of American Pathologists (CAP), The Joint Commission, COLA and Exempt States (New York and Washington)) will decide if and when they will adopt the CLIA IQCP approach.

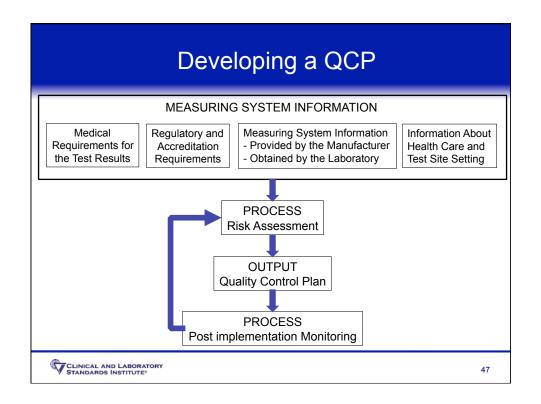
CMS/CLIA Individual Quality Control Plan (cont'd)

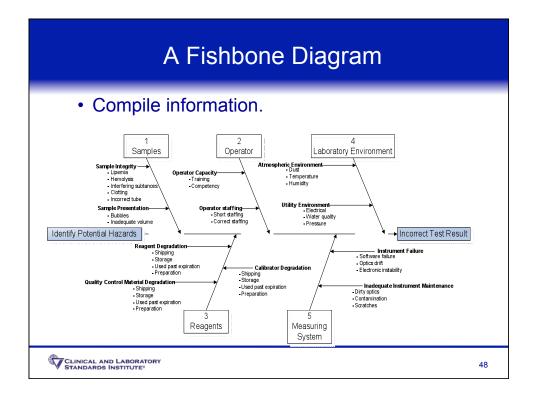
- Aside from the IQCP IGs, there will be additional educational materials, tools, and brochures.
- Direct IQCP inquiries to: IQCP@cms.hhs.gov.

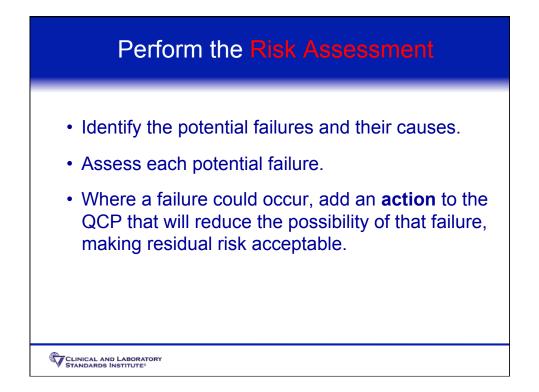




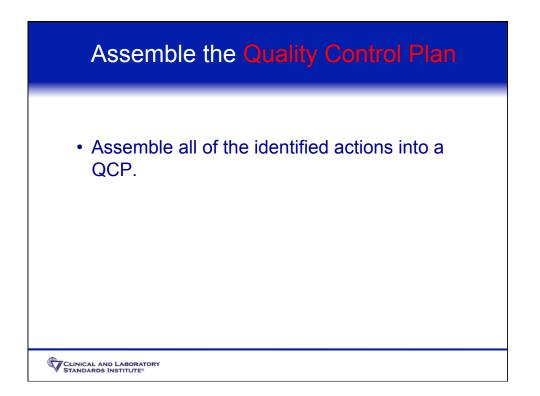


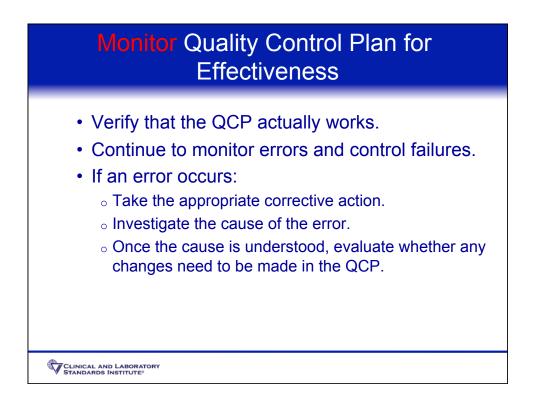






Probability of Harm	Severity of Harm				
	Negligible	Minor	Serious	Critical	Catastrophic
Frequent	Unacceptable	Unacceptable	Unacceptable	Unacceptable	Unacceptable
Probable	Acceptable	Unacceptable	Unacceptable	Unacceptable	Unacceptable
Occasional	Acceptable	Acceptable	Acceptable	Unacceptable	Unacceptable
Remote	Acceptable	Acceptable	Acceptable	Acceptable	Unacceptable
Improbable	Acceptable	Acceptable	Acceptable	Acceptable	Acceptable





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