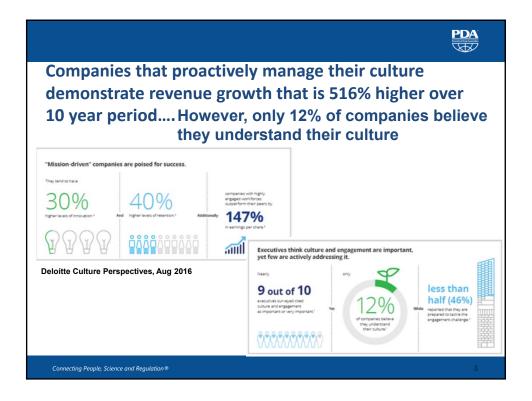


PDA

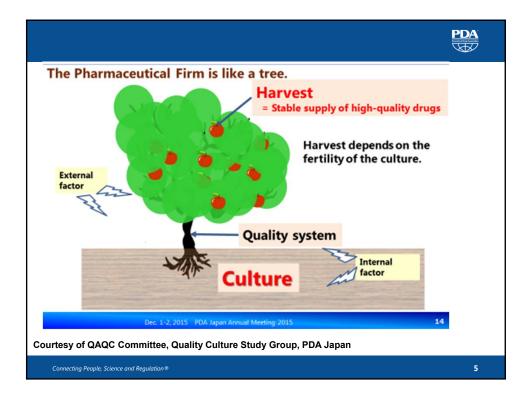
# Agenda

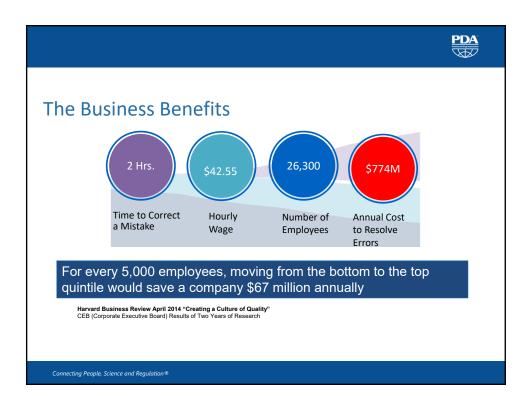
- The value of quality culture
- PDA's approach in assessing quality culture
- Pilot summary
- Next steps

Connecting People, Science and Regulation®











# PIC/S guidance on data integrity highlights importance of quality culture

- Management should aim to create a work environment (i.e. quality culture) that is transparent and open, one in which personnel are encouraged to freely communicate failures and mistakes. Organisational reporting structure should permit the information flow between personnel at all levels.
  - Ensure awareness and understanding of expectations
  - Lead by example, management should demonstrate the behaviors they expect to see;
  - Ensure accountability for actions and decisions;
  - Stay continuously and actively involved;
  - Set realistic expectations, consider the limitations that place pressures on employees;
  - Implement fair and just consequences and rewards;

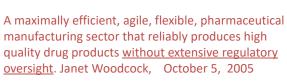
Connecting People, Science and Regulation

7

## FDA's Quality Metrics Program



- · Prevention of drug shortages
- Risk-based inspection scheduling
  - Focus on the sites that requires oversight
  - Provide relief for sites with good track records
    - Relief in post approval change management oversight
    - Frequency of inspection





Change the current oversight paradigm to include positive reinforcement

Connecting People, Science and Regulation®



# Why the focus on Quality Culture?

- Realization about root cause of human errors
- Quality Metric programs must be balanced with strong Quality Culture to be valuable





Connecting People, Science and Regulation



#### **Our Vision and Mission...**

Promote Quality Culture, its understanding, assessment and improvement within the Pharmaceutical / Biopharmaceutical Industry by providing tools and knowledge to enable continuous improvement. The ideal state is to ensure a quality mindset and behaviors are imbedded into the daily work of all functions resulting in positive patient outcomes.



Connecting People, Science and Regulation®



#### Can Quality Culture be measured?

Is there a set of Mature Quality Attributes that are a surrogate for Quality Culture Behaviors?



- 1. Is there a relationship between Quality Culture Behavior scores and Mature Quality Attribute scores?
- 2. Which Mature Quality Attributes relates to Quality Culture behavior?



Connecting People, Science and Regulation



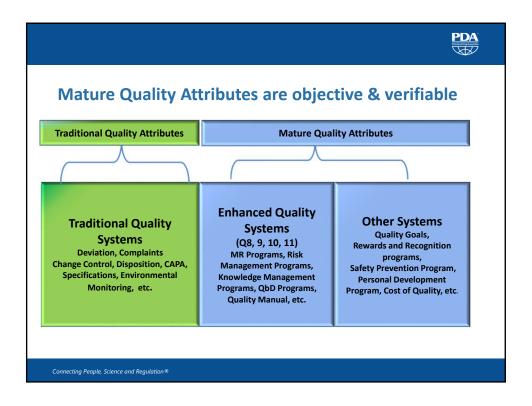
#### **PDA's Quality Culture Survey Conducted**

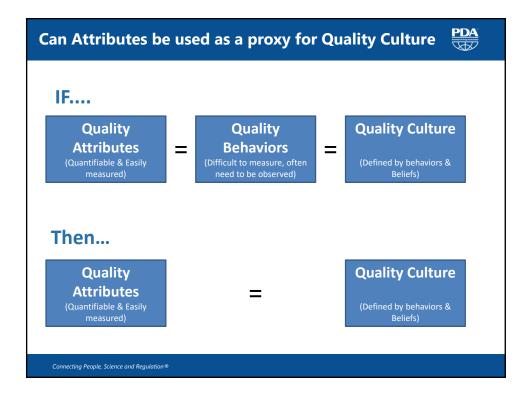
- Draft Survey June / July 2014
- Launched Sept 4<sup>th</sup> Oct 20<sup>th</sup> 2014
- Two surveys (Executive & Open to All Survey)
- Three Sections
  - A. Demographic (product, site, size)
  - B. Quality Culture Behavior
  - C. Mature Quality Attributes

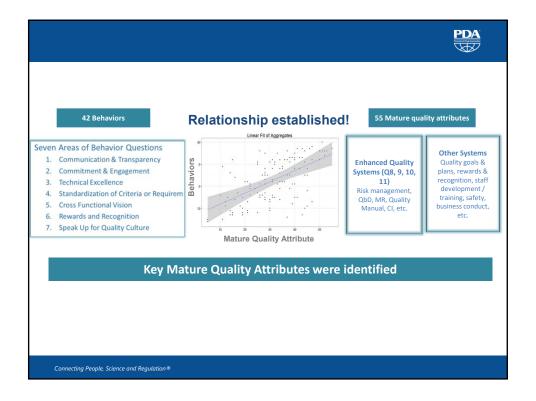


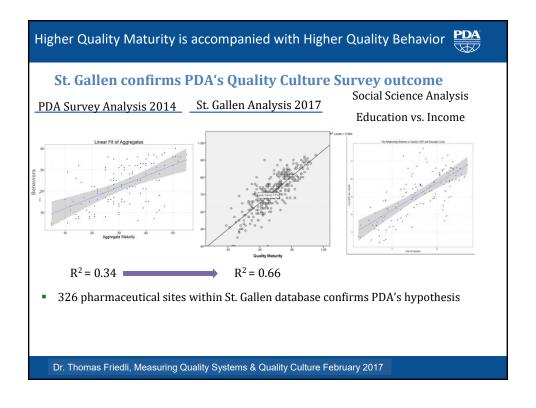
137 Global Responses Received from the Survey

Connecting People, Science and Regulation®











#### **Top 10 Quality Attributes significant impact**

- 1. Participation at conferences to stay current
- 2. Collecting Error Prevention Metrics
- 3. Management Communication that Quality is Everyone's Responsibility
- 4. Utilization of new proven technologies
- 5. Clear performance criteria for feedback and coaching
- 6. EH&S Environmental Program with trained staff (risk assessments, emission controls, spill prevention and response)
- 7. Site has formal quality improvement objectives and targets
- 8. Quality topics included in at least half of "all hands" meetings
- 9. Collecting Management Review Metrics
- 10. Collecting Employee Turn Over Rate Metrics



Connecting People, Science and Regulation



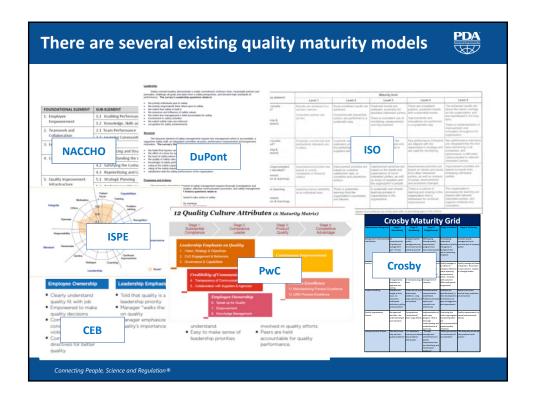
#### **Five Additional Mature Quality Attributes were identified**

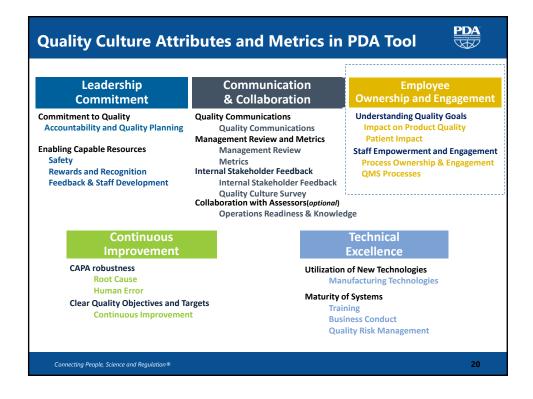
- 11. Program to show how employee's specific goals contribute to overall quality goals
- Program to measure, share and discuss product quality performance and improvement from shop floor to executive management.
- 13. Continuous Improvement Program / Plans with active support of CEO and Corp Management of QMS
- 14. Program that establishes quality system maturity model and action plan and tracking to measure progress
- 15. Internal survey measuring a company/ site quality culture

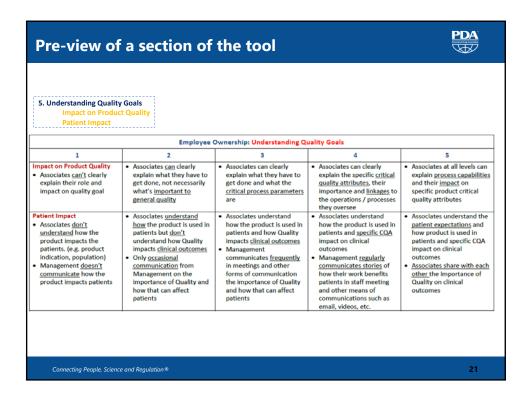
Voted by ~225 Conference Participants, Dec 2014

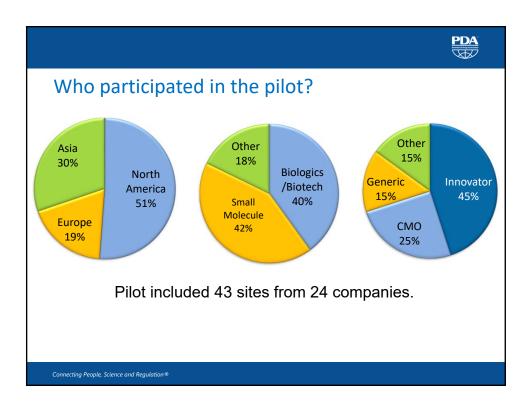


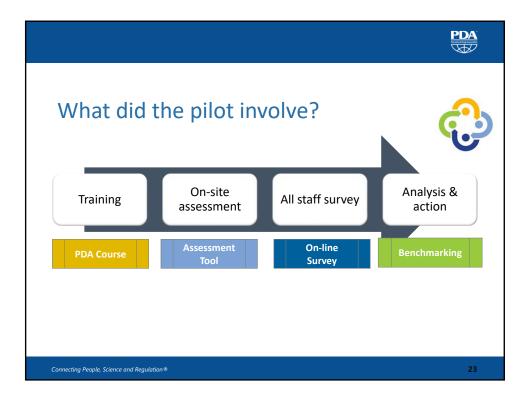
Connecting People, Science and Regulation®











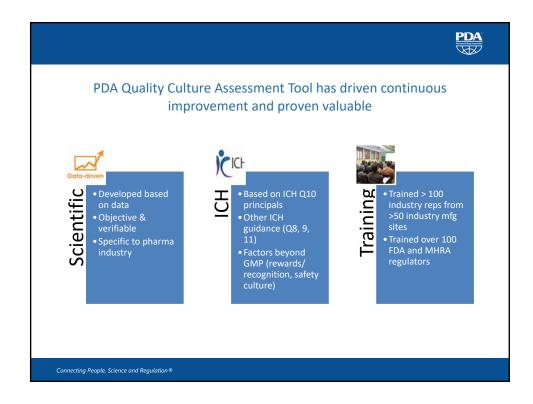




### Feedback on the Assessment Tool

- > The tool allows sites to assess quality culture in an organized way
- ➤ In-person discussions provides more value in understanding the culture at the site (vs. only a survey)
- > Culture assessment without audit mindset encouraged openness
- > Reliable way to help select partners and CMOs
- ➤ The tool is a roadmap for identifying ways to make continuous improvements

Connecting People, Science and Regulation®





# **Quality Culture Assessment Program**

Course: Hands On Active Learning for 2 Assessors

Tool: Quantitative Assessment for 2 sites

Survey: Blinded, direct employee feedback, 2 sites

Benchmark: Compare against sites in Europe,

North America, Asia



Sign Up Now at pda.org or contact David Talmage at Talmage@pda.org

Connecting People, Science and Regulation

27



## **PDA Quality Culture Team**

Matija Gabrovsek (Novartis)

Jan Paul Zonnenberg (PwC)

Rick Burdick (consultant)

**Bob Kieffer (consultant)** 

**David Leuck (Patheon)** 

Sandra Lueken (MedImmune/AZ)

**Brianna Peterson (BI)** 

Anne Eickhoff (GSK)

Cylia Chen (Amgen) – team lead Steve Mendivil (Amgen)

Machelle Eppler (Patheon)

Pritesh Patel (Novartis)

Sue Schniepp (Regulatory Compliance Associates)
Chuck Bornhoeft (Upsher-Smith)

Joerg Gampfer (Hovione)

Dixie Webster (Allergan)

Tara Gooen (FDA)
Gerald Heddell (MHRA)

PDA Staff: Denyse Baker, Rich Levy, David Talmage

Connecting People, Science and Regulation®