

Building Quality Culture and Capabilities

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CULTURE MATTERS

1 Quality culture matters: Increasingly companies believe that culture matters; this is also reflected in their efforts to work on it!!



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Do You Have a Quality Culture?

Perspectives on the value of creation and assessment of quality culture

By David Keeling, Paul Rutten and Vanya Telpis, McKinsey & Company Oct 17, 2017

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Measuring quality culture is essential to improving mindsets and behaviors in pharma companies. The challenges to measuring culture are significant, but our research demonstrates that they can be overcome. While there is no ultimate metric for culture, good measures are available, each with proven correlation to quality outcomes. Indeed, companies with a strong quality culture are distinguished by their ability to measure culture and apply those insights to culture improvement efforts.

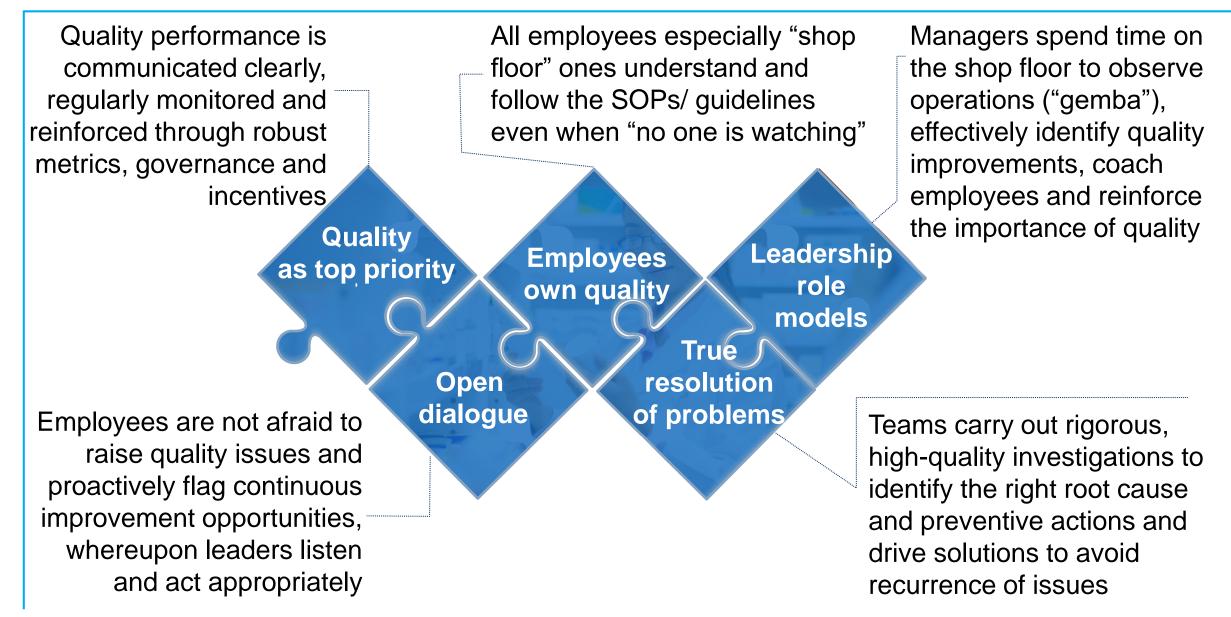
CULTURE MATTERS

1 Data supports: Quality outcomes are strongly correlated with quality culture



GOOD QUALITY CULTURE

2 What is quality culture: Five (5) pillars of strong quality culture



3 Culture can be measured reasonably well!!

Combination of measures





Quality culture survey (on annual basis) to measure intangible culture elements

- 5 elements
 - Leadership
 - Governance
 - Capabilities
 - Integrity
 - Mindset
- Monthly/ quarterly pulse check survey to measure progress on 5 elements

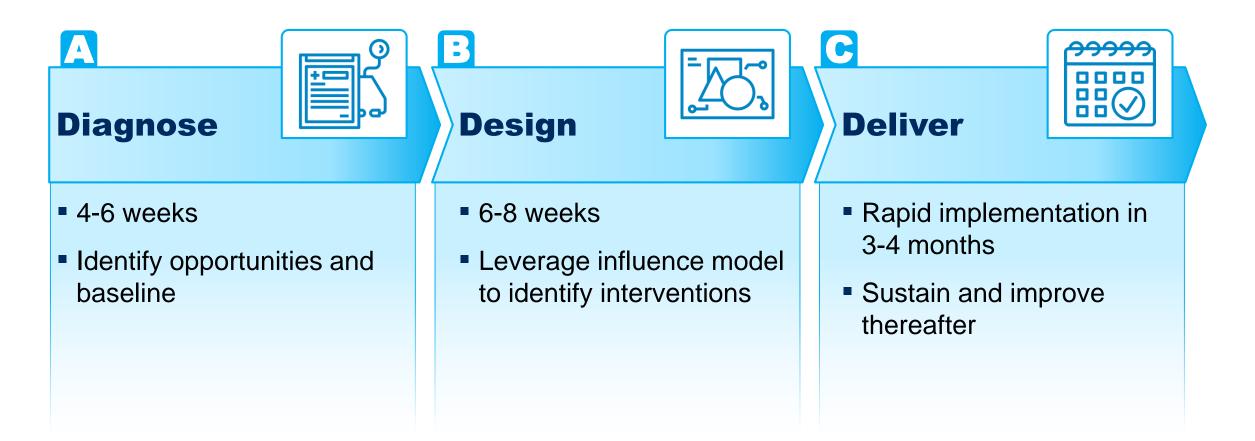
Tangible culture indicators

- CAPAs with preventive measures
- Planned maintenance rate
- Employee turnover rate
- Human error deviations
- Deviations w/o assigned root cause
- CAPA effectiveness (retraining)
- Recurring deviations

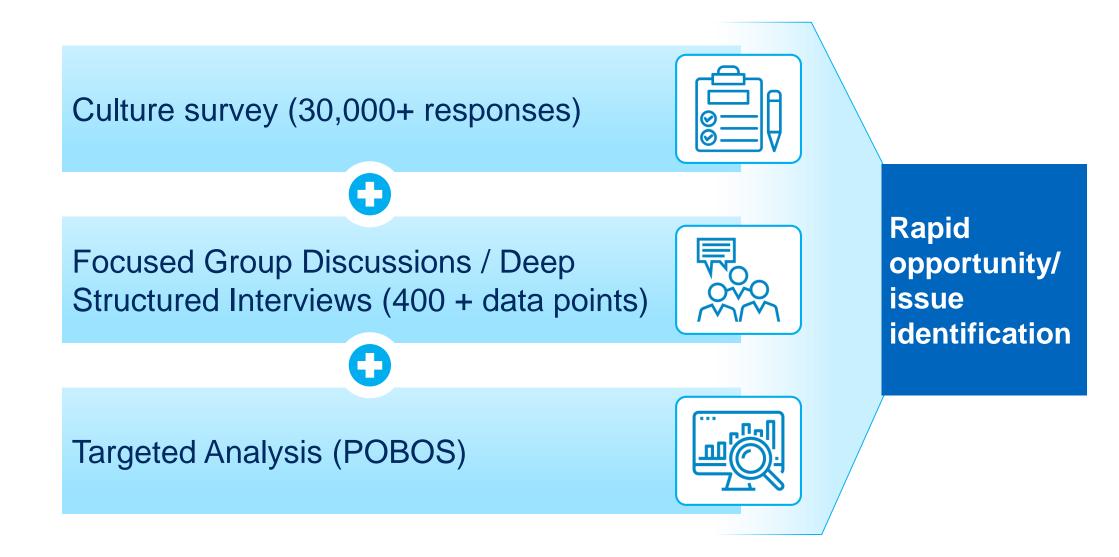
4 You can build quality culture: You don't need a lifetime – shift in culture can be demonstrated in 4-6 months!!



5 How: Three steps to build quality culture







Common observations from firms that have challenging quality culture

- Leadership's lack of understanding and denial failure to acknowledge that problems exist and a false sense of self – "we know-it-all"
- 2 Failure to consistently demonstrate "Quality first behavior" in decisions and actions (not just talk) "implicit delivery focus"
- **3** There has been progress but systems for raising quality issues and identifying continuous improvement opportunities remain inadequate
- **4** Gaps between practice and procedure at Shop/ lab floor "Tick the box mindset"
- **5** Gaps in Investigation Unable to identify root cause of issues and put in place robust CAPAs
- **6** Limited understanding of metrics with ineffective governance
- 7 Weak planning system and limited cross functional collaboration

DIAGNOSE

4-part culture-transformation framework

"I will change my behavior if ... "

Fostering true understanding and conviction

"- I know what is expected of me – I agree with it, and it is meaningful"
"- I am committed to change and action"

Role-modeling

"- I see superiors, peers and subordinates behaving in the new way"

Reinforcing with formal mechanisms

"- new ways of working are reinforced through structures, processes and systems, communication and rewards"

Developing talent and skills

Culture trans-

formation

"- I, (both existing and new employees), have the skills and competencies to behave in the new way"

4-part culture-transformation framework

"I will change my behavior if ... "

Fostering true understanding and conviction

- Openness and change leadership program
- Multi channel, 2-way communication
- Formal platforms to raise issues

Role-modeling

- Gemba Senior leaders role modeling quality in day-to-day behaviors
- Symbolic acts by leadership team that further establish importance of quality

Reinforcing with formal mechanisms

- Effective quality governance right metrics, robust governance processes including notification to management
- Rewards & Recognition to encourage good quality outcomes

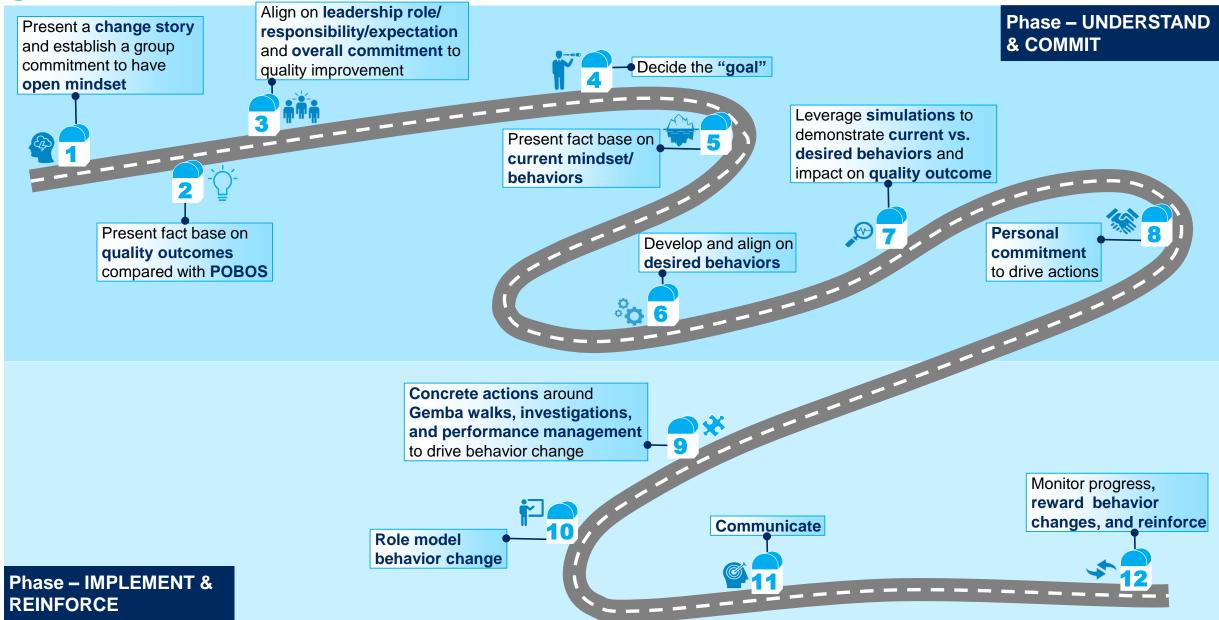
Developing talent and skills

Culture trans-

formation

- Technical, managerial & behavior skills across levels (e.g., Investigation capabilities)
- Digital & analytics for quality improvement & capability building

C Leadership change journey



C True capability building goes far beyond traditional 2-3 day class room training



Building 'capabilities'

- Need identification
 - Assessment to prioritize skills & expectations for the participants
 - Developing content around addressing the need
- Class room training to learn theory & study case examples
- Live case study: Practice skill solving a live case study
- Breakthrough project: Apply combination of multiple skills to deliver impact & reinforce skill

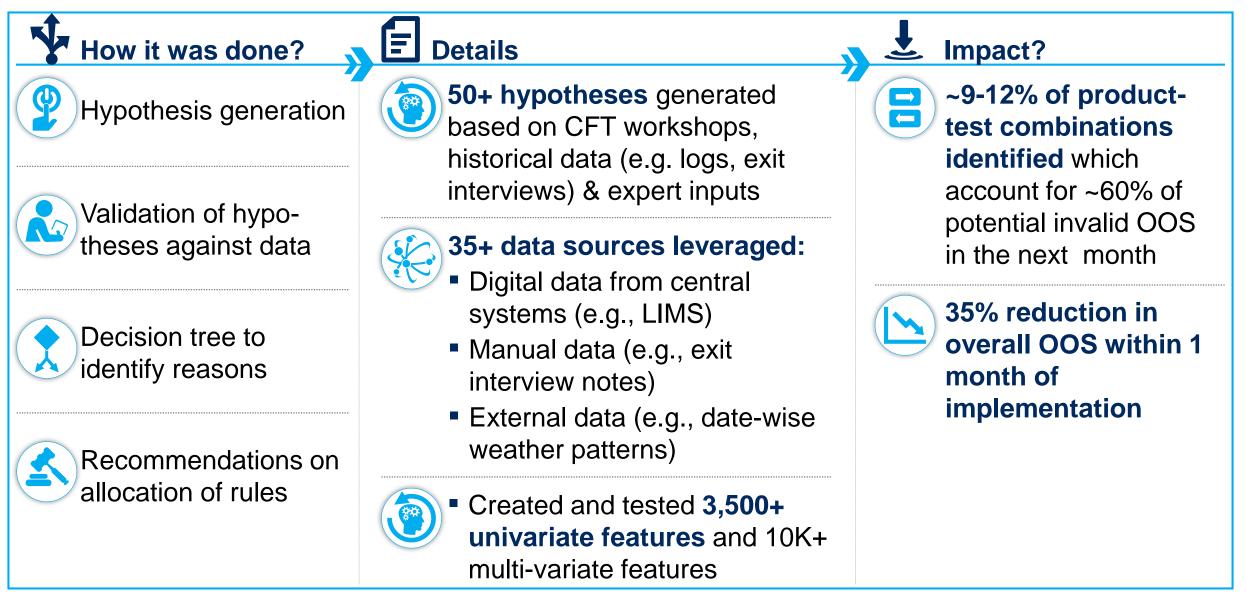
C Use digital tools to scale & sustain individually customized capability building

DELIVER



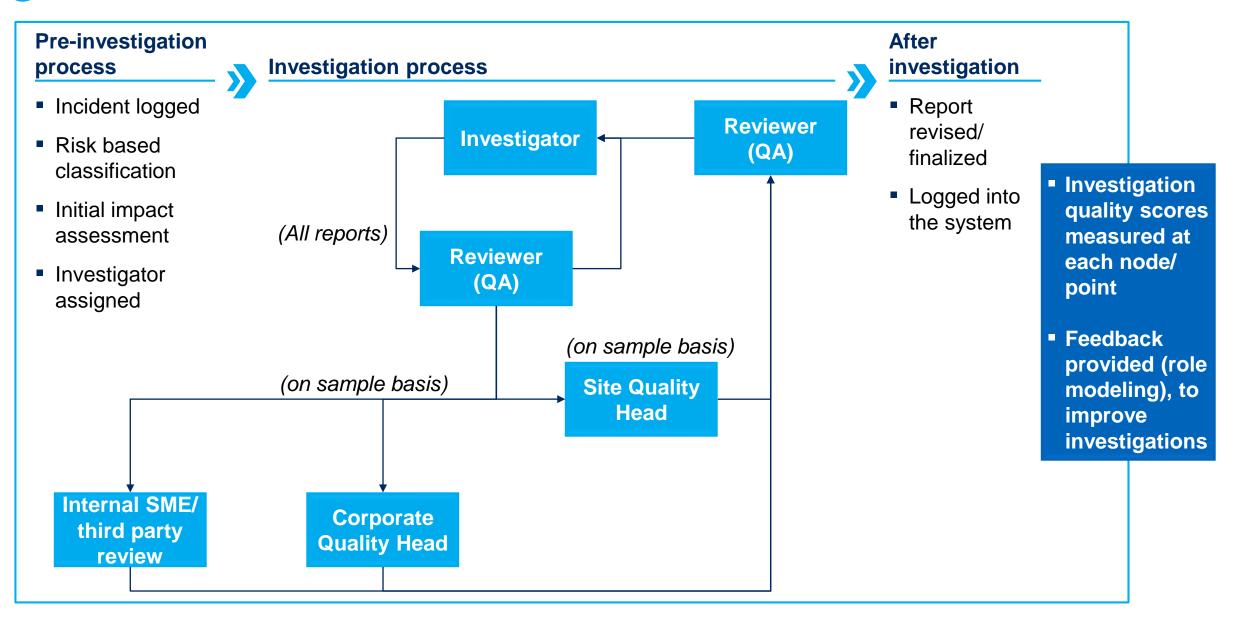
Use advanced Analytics; it helped identify ~10% of tests likely to contribute to ~60% of future invalid OOS; 35% reduction in OOS within 1 month of implementation

DELIVER



Continuously improve investigations with best practice feedback loops – Simplified

DELIVER



THANK YOU



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Appendix

CASE STUDY

Quality culture survey, focused group discussions and interviews identified the mindset shifts for a client and the impact was measured through monthly pulse check

Δn	proach to quality	4 behavioral shift final		
culture assessment		From	То	Impact
1	Quality culture survey	Achieving delivery target is the top most priority	Achieving high quality is more important than delivery targets	55-60%
2	Focused group	Quality Is not my responsibility	I am responsible for Quality	25-30%
3	Deep structured struct	I am not empowered to drive quality outcomes	I have the authority/powe to drive quality outcomes	
4	Underlying causes identified	I am not confident when asked tough questions by the auditor	I am fully confident about our processes and can face an auditor anytime	3-8%