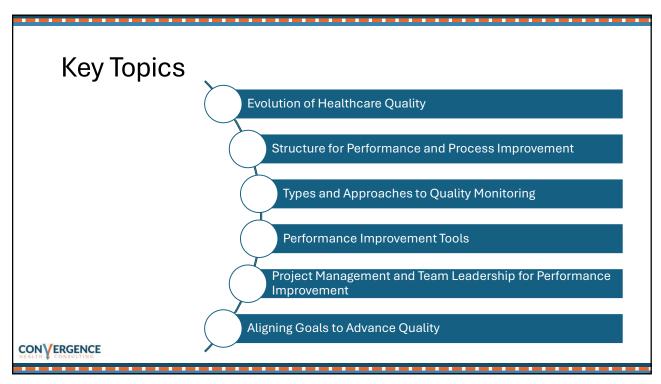
CPHQ Exam Prep Workshop

Performance & Process Improvement

Jennifer Wagner, CPHQ, CPPS Director Rural Health Initiatives Convergence Health



1



Evolution of Healthcare Quality



W. Edwards Deming (1900-1993) Statistical Process Control



Joseph Juran (1904-2008) Relationship between quality and cost containment



Kaoru Ishikawa (1915-1989) Total Quality Control Fishbone Diagram



Walter Shewhart (1891-1967) PDCA

CONVERGENCE

2

The First Era

1863

• Florence Nightingale calls for systematic review of patient care

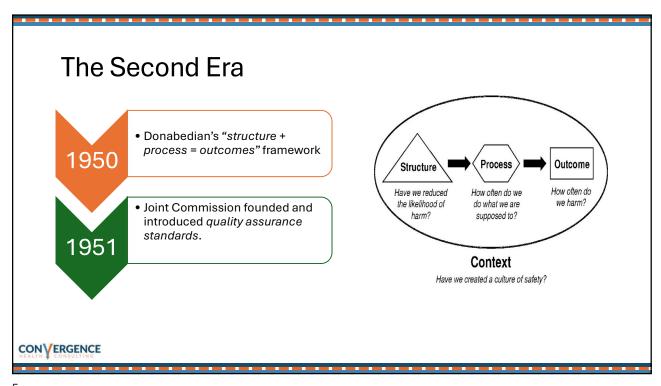
1910

• Ernest Codman proposes hospital standardization and standards for teaching and research in medicine.

1918

• American College of Surgeons develops standards for hospitals and has their first survey.

CONVERGENCE



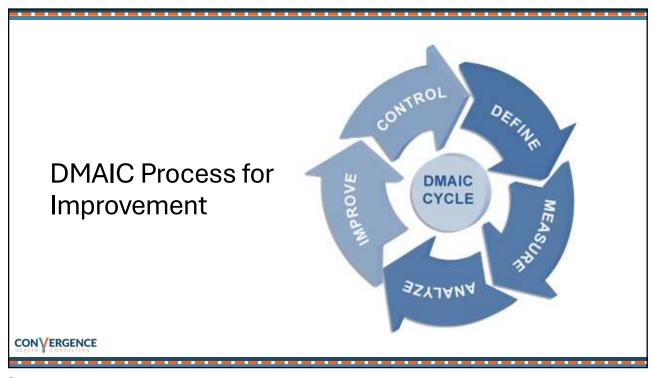


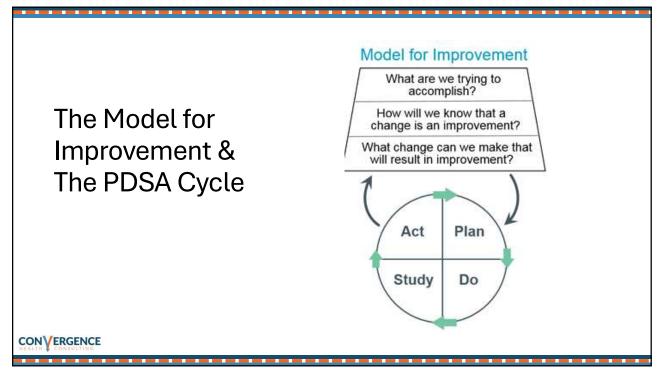
The Fourth Era: Patients at the Center • Attention to diversity, equity and inclusion in healthcare • Healthcare expands priority focus to mental health of patients and staff. • Patient Voices Elevated • CMS Quality Strategy adopts patient-centered approach. • CMS Quality Strategy adopts patient-centered approach.

Approaches
to Quality
Monitoring

RETROSPECTIVE CHART AUDITS
ASSURANCE AUDITS

MEASURE-VENTION PROCESS AUDITS





The Model for Improvement

The **Model for Improvement**, developed by the Associates in Process Improvement is a process used by both health care and non-health care organizations to achieve rapid cycle improvement.

The Model asks three key questions to drive improvement efforts:

- 1. What are we trying to accomplish?
- 2. How will we know that a change is an improvement?
- 3. What changes can we make that will result in improvement?

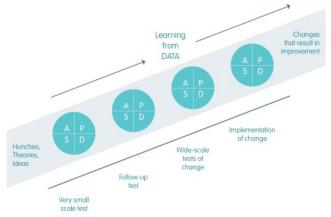
The answers to these questions will inform and populate the **PDSA cycle** (Plan-Do-Study-Act) that guides implementation and assessment of necessary changes.

CONVERGENCE

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Plan-Do-Study-Act Cycle

- · Small Tests of Change
- Real-time data collection through feedback.
- · Make tweaks and do it again!
- Gradually expand to larger populations if successful
- · Adapt, Adopt, Abandon



Source: Health Innovation of West England: https://www.healthinnowest.net/toolkits-and-resources/quality-improvement-tools-2/model-for-improvement-pdsa/

CONVERGENCE

Lean v. Six Sigma

Differentiator	Lean	Six Sigma
Primary Interest	Remove Waste	Reduce Variation
The way they look at the world	Flow/Waste	Problem/Defect
Primary Effects	Reduce waste and smooth flow	Reduce variation to reduce defects
Secondary Effects	Less inventory, fast throughput, better performance, more uniform output, less variation, improved quality	Improved quality, better performance, reduced waste, less inventory, faster throughput, uniform process output
Format	Typically Kaizen event format. Concentrated resources in short timeframe	Project format. Resources spread over months
Scope and Scale	Quick and initial gains, ongoing improvements. Suitable for <u>everyone</u> and every part of the business	Complex problems that require indepth analysis; Cross-functional. Specialists

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CONVERGENCE

Key Components of Process Improvement

Establish a team: Executive sponsor, leader, subject matter experts, front line staff

Clearly articulate goals or aims: Goals are specific, measurable and achievable

Perform gap analysis between current and ideal state. Develop action plan for ideal state with identified accountability fop action plans

Perform small tests of change until ideal state is reached via PDSA/PDCA

Spread the changes: Develop communication plan, use success stories and continue to monitor

CONVERGENCE

Who is on the Team?



- Team Leader
- · Front-Line Staff Leader
- Middle Management Leader
- Quality Improvement Expert
- Clinical or Ancillary Services Leader
- Physician Champion
- Executive Sponsor
- Patient or Family Representative

CONVERGENCE

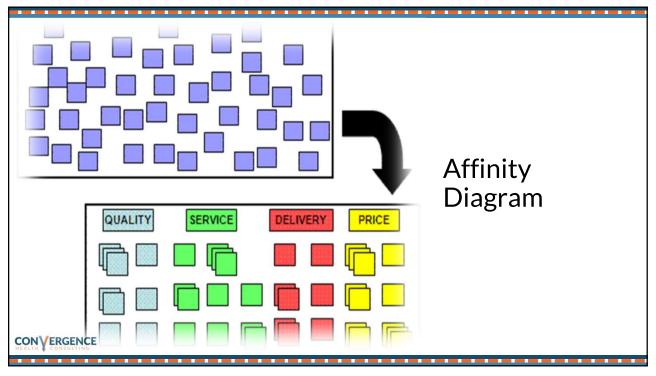
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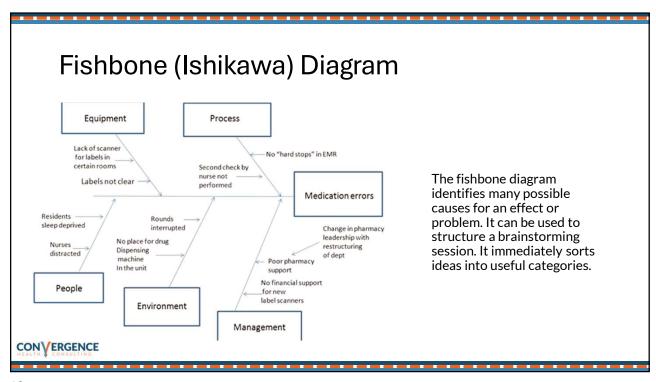
Tuckman's Stages of Team Development

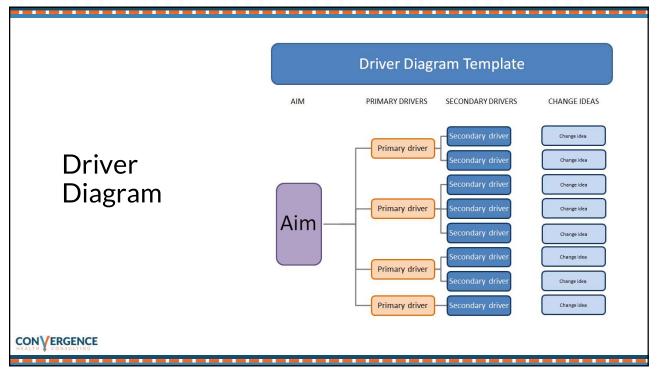


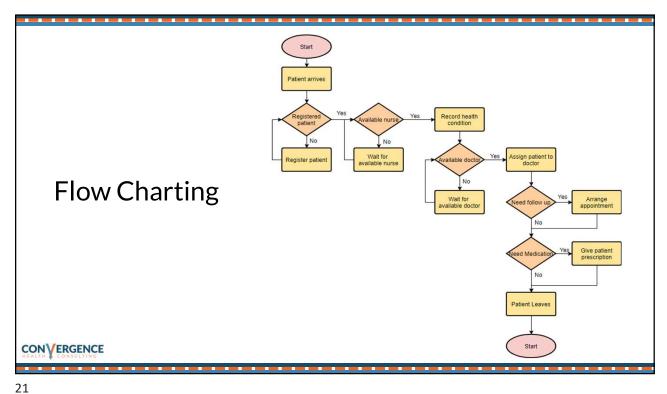
- Forming the team are polite and avoid conflict.
 They wonder what is expected of them. They need roles and responsibilities and clear objectives.
- Storming Interpersonal conflict arises, with arguments about roles and responsibilities or differing views or standards. Team needs ground-rules and to listen to each other.
- **Norming** successfully resolved conflict build trust and team members begin to co-operate.
- Performing the team is productive and adapts quickly to compensate for strengths and weaknesses.
- Mourning / Adjourning the team assesses progress and determines need to meet no longer exists

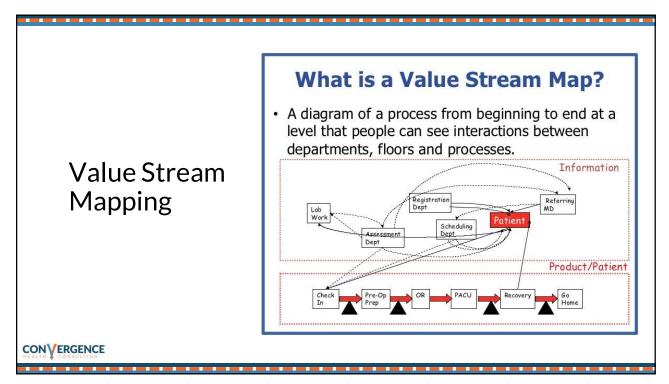


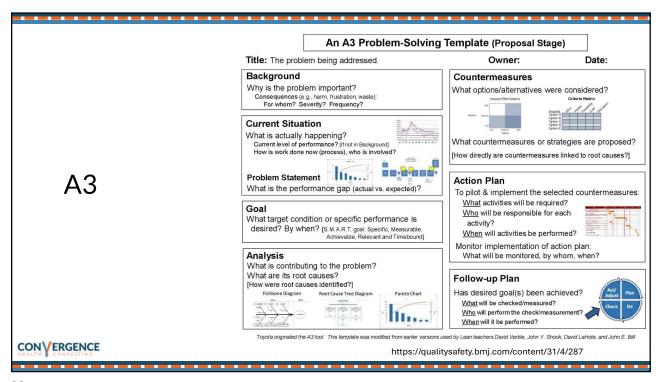


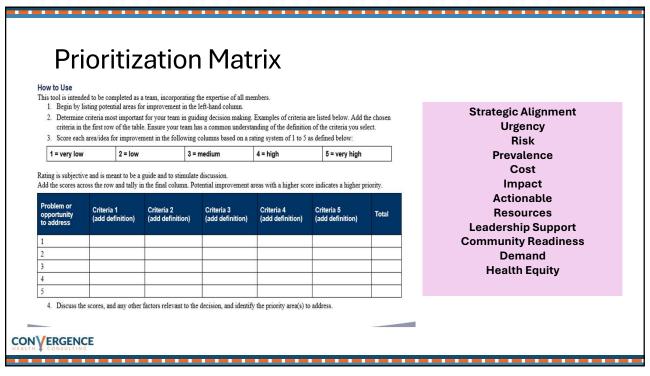












Other Practices

- Activity Network Diagram
- Checklists
- Planning Grid
- Delphi Method
- Failure Mode and Effects Analysis
- Force Field Analysis
- Human Centered Design

- Interrelationship Diagram
- Matrix Diagram
- Multivoting
- Nominal Group Technique
- Pareto Chart
- Spaghetti Diagram
- Three Box Solution
- Tree Diagram

CONVERGENCE

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Aligning Goals to Advance Quality



- Strategic Alignment
- Stakeholder Engagement
- Data-Driven Decision Making
- Continuous Improvement

CONVERGENCE

Performance Improvement Curriculum



- Need for Improvement
- Common Terms
- Quality and Safety Goals
- Model for Improvement
- Roles & Responsibilities
- Tools and Techniques to Drive Improvement
- Implementation & Sustainability

CONVERGENCE

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Population Health



CONVERGENCE

oto by Leah Newhouse: https://www.pexels.com/photo/group-of-people-enjoying-music-concert-325521/

What can we do?

Comprehensive assessment of patients' health conditions, treatments, behaviors, risks, support systems, values, and preferences.

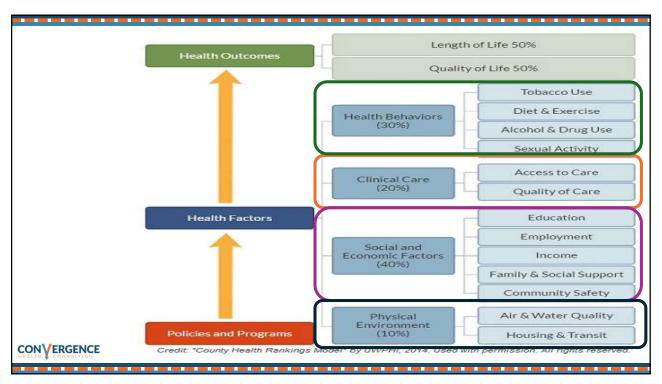
Effective and patient-centered care planning and monitoring to meet patients' health-related needs.

Active engagement and involvement of patients and their families/caregivers in discussions and decisions about care.

Effective coordination and communication among all health professionals engaged in patients' care across the continuum.

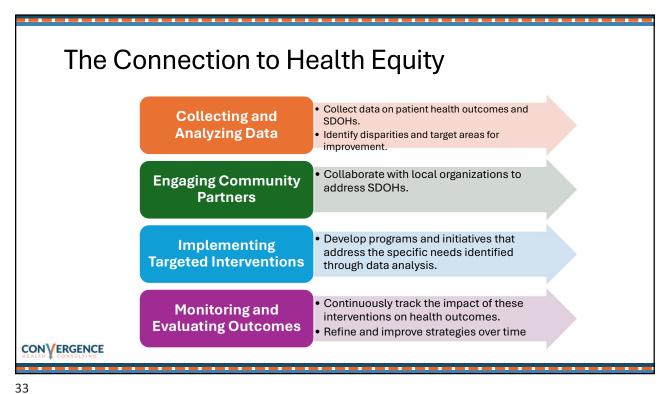
CONVERGENCE

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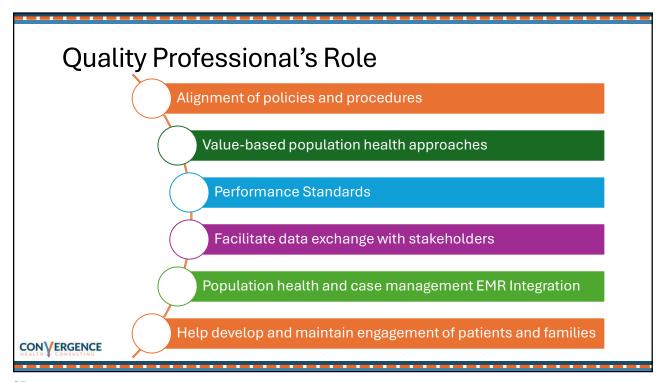


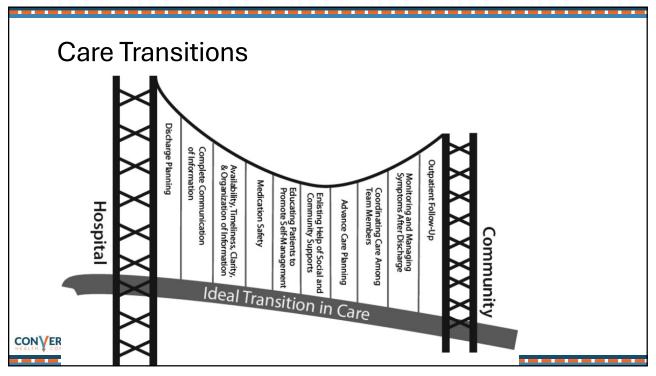


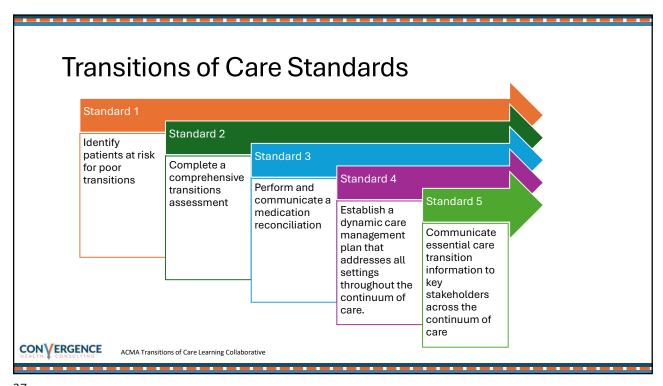


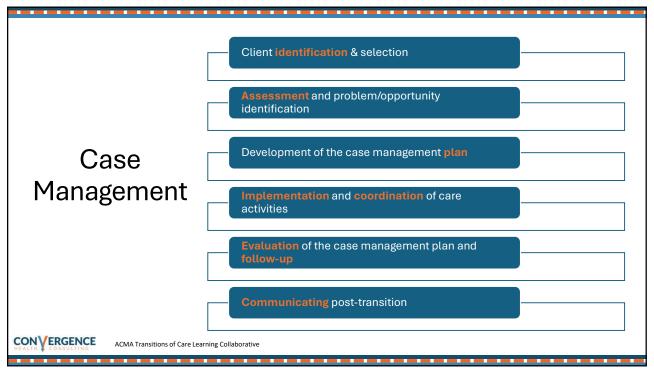














Reach Out Any Time!

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Media & Resources

- Six Domains of Healthcare Quality
- National Patient Safety Goals Joint Commission
- Prioritization Tool Stratis Health
- Team Development as told by The Fellowship of the Ring
- Convergence Health Resources on SDOH
- Health People 2030 Social Determinants of Health
- AHA Population Health Framework

CONVERGENCE