Emergencies Driving Implementation In Learning Health Systems

Alliance for Continuing Education for Healthcare Professionals
CPD Pulse Points
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LEARNING HEALTH SCIENCES
Revolutionizing Learning, Transforming Health
No Conflicts of Interest to report
Learning objectives

• Understand the concept and characteristics of a Learning Health System
• Consider the application of competency-based education and CPD within a Learning Health System
• Discuss the translation of rapid learning cycles to address identified gaps in care processes
Learning Health Systems (LHS)

Networks

Self-study

Adaptation

Transform care
LHS’ Engage In Learning Cycles

- Learning Community Formation
- Performance to Data
- Data to Knowledge
- Knowledge to Performance

The Learning Cycle

Health Problem of Interest

D2K: Data to Knowledge
K2P: Knowledge to Performance
P2D: Performance to Data

Formation of Learning Community

Courtesy of Chuck Friedman, PhD
Is Your Organization A Learning System???
Applying CBME to CPD

Lockyer J, Bursey F, Richardson D, Frank JR, Snell L, Campbell, C, Medical Teacher, 2017
Is Your Organization Using CBME Principles To Address Gaps???
An Emergency Unlike Any Other

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Prenatal Care During a Pandemic

• Urgent need for OB care despite shutting down clinical activities
• Data-driven decisions regarding care plans
• Urgent need for skill development in telehealth
• Rapid uptake by all stake-holders
Usual prenatal care

Kilpatrick Guidelines in Perinatal Care 2017

From @AFriedmanPeahI
https://pbs.twimg.com/media/EYTQKuMX0AE-tuo?format=jpg&name=large
Redesigned prenatal care: 4 – 1 – 4 Model

From @AFriedmanPeahl
https://pbs.twimg.com/media/EYTQKtkWsAAtwju?format=jpg&name=large
Immediate CPD: 4-1-4 Prenatal Care Model

- “Burning platform”—the issue was relevant to stakeholders and their functional ADL’s
- New processes introduced by trusted colleagues with known expertise, grounded in data
- Process roll out included practical content and “things”
  - ’dot phrases’, wikis, emails, pdf’s
- Communication firehose using quality and safety principles
  - Daily huddles, What’s App, clear chain of responsibilities, routine feedback/readback
- Revisit stakeholders via discussion, surveys, and selected interviews from varying perspectives: provider, patient, organization
LHS Learning Cycles

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Discussion: Making CPD part of an LHS

What are your drivers for Learning Community Formation?

Where does your Performance Data originate?

How do you take that Data and convert to Knowledge?

How is this Knowledge incorporated to improve Performance?