The Development of a Sustainable Obesity Registry to Drive Systems-Level Quality Improvement

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BACKGROUND & CONTEXT

Obesity is a complex, chronic disease impacting health and healthcare delivery. Despite evidence-based interventions, systems face challenges in standardizing care and measuring outcomes.

The Froedtert & MCW health network, partnering with Decera Clinical Education and Q Synthesis LLC, launched a systems-level QI initiative to address gaps in obesity management.

Inquiry: How can a system-level obesity registry serve as a sustainable tool for CPD and practice improvement through audit and feedback?

CURRENT LITERATURE

Evidence-based guidelines for obesity management are well-established, yet implementation remains challenging. Traditional educational interventions alone are often insufficient to change physician behavior.

Recent CPD literature emphasizes data-driven approaches to identify practice gaps. This project aligns with embedding CPD within QI to foster continuous learning.

THEORETICAL FRAMEWORK

Audit & Feedback Theory

Presenting clinicians with performance data to change behavior and improve care processes.

Social Cognitive Theory

How clinicians' beliefs and attitudes about obesity care are influenced by registry data.

METHODS

1. Defining Meaningful Metrics

Consensus-building with stakeholders to define core metrics: weight management, medication prescribing, and referrals.

2. Data Collection & Analysis

Extraction and analysis of EHR data to populate the registry with accuracy and integrity.

3. Registry Development

Dynamic QI tool for audit and feedback, allowing sites to view performance on key metrics in real time.

4. Implementation (in progress)

Sustainable tool enabling feedback cycles to track trends, highlight gaps, and prioritize site-specific interventions.

POTENTIAL IMPACT & CPD RELEVANCE

This project demonstrates how a system-level registry can serve as a powerful and sustainable CPD intervention.

By providing actionable data through audit and feedback, the registry empowers clinicians to identify and address practice gaps in obesity care.

This model is replicable for other systems seeking to integrate data-driven QI into CPD, fostering continuous learning and improving outcomes.

KEY TAKEAWAYS

- Registry enables real-time performance tracking across clinical sites
- Audit and feedback cycles drive targeted, evidence-based interventions
- Data-driven CPD within QI fosters continuous learning culture
- Collaborative model replicable across health systems and disease areas

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