Achieving health and care improvement with innovative technology

Marco Aurelio Rachel Dicker Leticia Nani Silva

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### Presenters



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## Session Highlights

- Current Environment: QI in Healthcare
- About Wolters Kluwer
- Best practices for systemization
  - Rigorous application of a method
  - Building the will and sharing learning
  - Building capability and capacity
  - Alignment and priorities
- Demonstration of Ovid Synthesis
- Q&A

## What is QI?

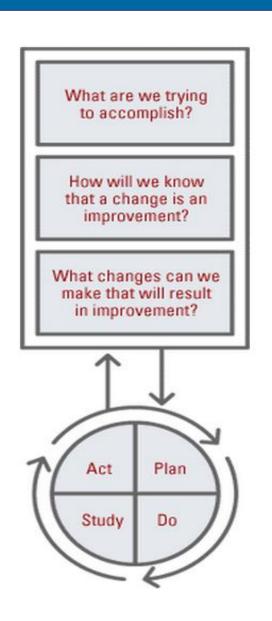


"Quality improvement (QI) is about giving the people closest to issues affecting care the time, permission, skills and resources they need to solve them."

"It involves a systematic and coordinated approach to solving a problem using specific methods and tools with the aim of bringing about a measurable improvement."

**Health Foundation (2021)** 





## Challenges for the field....



Rigorous application of a method

Building the will and sharing learning

Building capability and capacity

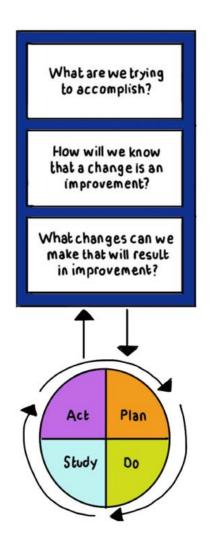
Alignment and Priorities



# Rigorous application of a method...



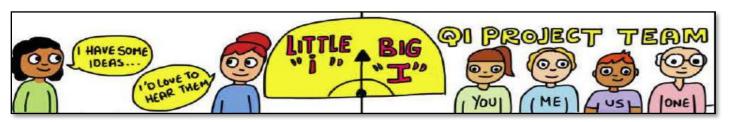
#### **Model for Improvement**



#### **Sequence of Improvement**



#### **Local Teams of Staff and Service Users**



# Building the will and sharing learning



"..few improvement efforts that succeed locally end up being spread and sustained more widely"

Greenhalgh and Paptousi 2024

'a problem is the ongoing failure to cumulate and share learning from QI efforts. The NHS continually loses learning, and this is an urgent problem.'



Greenhalgh and Martin 2016

# Building capacity and capability...



Systematic approaches to building staff capacity and capability to lead change are frequently highlighted as important factors for successful quality improvement

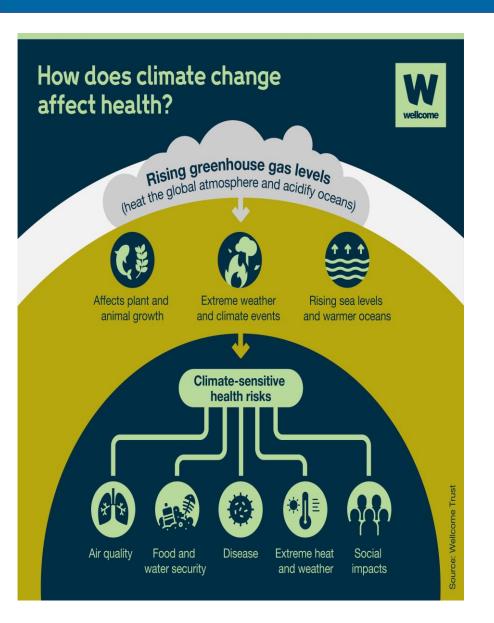
Babich LP, Charns MP, McIntosh N et al. Building systemwide improvement capability: does an organization's strategy for quality improvement matter? Qual Manag Health Care. 2016;25(2):92–101.

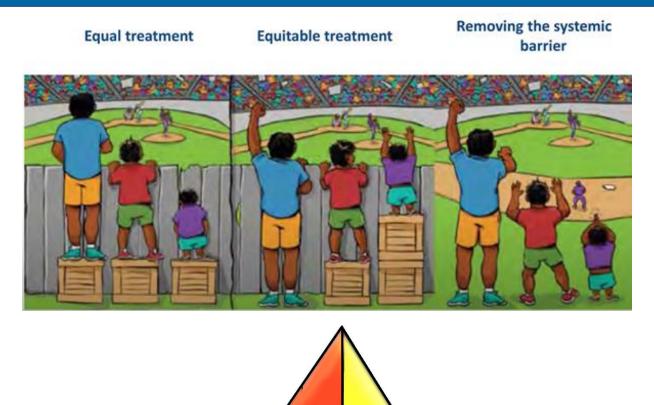


Psychology trainees: 1-year programme of learning Nurses: introduction to QI delivered within development programmes Working Psychiatry trainees: pocket QI at start of placement upstream Introduction to QI, how to get Introduction to QI for service users: involved in improving a service, 3 hours Experts by experience practical skills for QI Introduction to QI and systems Pocket QI: 1 day thinking, identifying problems, how Introduction to QI: 1-hour session All staff and service users to get involved, behaviours linked to at induction improvement Model for improvement, PDSA Improvement leaders programme: cycles, measurement and using People leading or 5 days over 5 months data, leading teams, running involved in QI projects Experts by experience projects effectively, quality control Deep understanding of methods Improvement coaches programme: QI coaches and tools, understanding variation, 7 days over 6 months coaching teams Deep statistical process control, IHI improvement advisors deep improvement methods, Internal programme: 12 days over 12 months effective plans for implementation experts and spread Board Setting direction and big goals, Improvement leaders' programme executive leadership, oversight annual board session with IHI of improvement, understanding board development sessions variation

## Meeting different challenges....









IMPROVING POPULATION

HEALTH

#### Global Reach in Healthcare



### Supporting

6.5 million clinicians

190+ Countries



### Informing

650+ million

clinical topic views per year

one-third

of clinical decisions changed

271 million

Research inquiries per year

#### Educating

1 million medical & nursing students 96,000 Instructors

2 million practicing health professionals

**4,300** medical/nursing schools

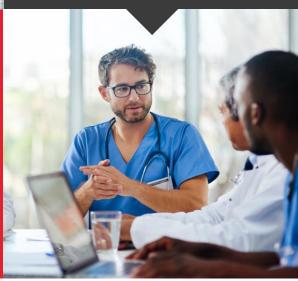


### Serving

38,800

healthcare institutions and practices globally

50,000 retail pharmacies and payers



For all staff, Ovid®
Synthesis provides the QI
infrastructure that
supports a culture of
learning and improvement.





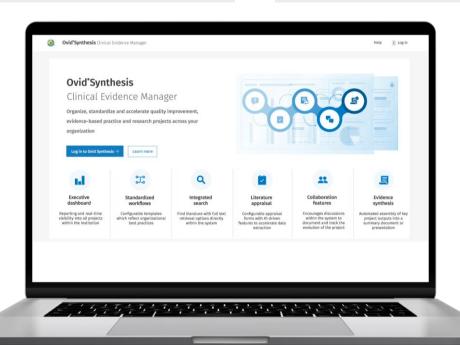
Quality



Standardization



Collaboration



## Solve institution-wide challenges with Ovid Synthesis

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Building capacity and Alignment and rigorous Sharing capability assessment learning Ovid Synthesis Decreasing noise level on 5 South (6/20-11/20) ADULT ICUS PHARMACEUTICAL SERVICES ADULT ICUS PHARMACEUTICAL SERVICES PHARMACY SERVICES MEDICAL AND SURGICAL UNITS Projects: 83 Project background PHARMACEUTICAL SERVICES +2 ACUTE ADULT SERVICES +2 +2 Improving antibiotic use in the Antimicrobial Stewardship Fall Prevention in Medical Surgical Promoting Appropriate Use of Antimicrobials ICUs: Reducing Clostridium... 20th percentile. QI project to understand sources of noise, examine EB practices that Antibiotics are one of the most impactful Antimicrobial Stewardship shows promise in Antibiotics are prescribed for patients who Falls are the top adverse event in the could be implemented to decrease noise, and implement the interventions with the reducing HAI's such as Clostridium Difficile hospital setting resulting in injuries. Falls goal of reaching at or above the 80th percentile for patient satisfaction with noise. advances in healthcare. However, when used are hospitalized over 70% of the time. Active projects progress by template incorrectly can be unsafe for patients due t.. infection (CDI). By focusing on appropriate. Antimicrobial Stewardship is key to patient are associated with increased morbidity an.. BACKGROUND: The CQI committee has been tracking patient complaints and Press Ganey scores over the past year. Sleep and rest are important to healing and Quality improvement: 5 overall health. It was decided to prioritize this area of focus on our night shift. Nurses have observed that patients who should be sleeping are not and are wanting to improve this for our patients. Press Ganey quarterly data for1Q20 The way to read this is, the mean is the average score for the questions. The **Blood Culture Contamination Rate Reduction** CARDIAC CARE 6C 6D AND CLIN... ADULT AND ADOLESCENT UNITS .. ADULT ICUS CRITICAL CARE SPECIALTY ADULT ICU CRITICAL CARE SERVICES BEHAVIORAL HEALTH SERVICES +2 CARDIOVASCULAR SERVICES (+2) Malka Hirsch, Rachel Dicker, David Trov Reducing Disruptive and Violent CAUTI (Catheter Associated Heart Failure Re-admission **CAUTI Reduction using CAUTI** Reduction Medically Tailored... Behavior in Behavioral Health Urinary Tract Infections) Nurse. Bundle 75% of nearly 25,000 workplace assaults According to the CDC, urinary tract infections 21% across our cardiovascular program. occur annually in healthcare settings, only associated urinary track infections (CAUTI) are the most common type of healthcare-30% of nurses and 26% of emergency. inpatients, including ICUs, was 5% for July, Factors include severity of illness, co-. associated infection, accounting for more..

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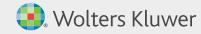
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### **Questions and Connecting**

#### **About Ovid Synthesis**

Leticia Nani Silva

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Wolters Kluwer

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Booth #10

Prize Drawing on Friday, April 12 at 10:30am

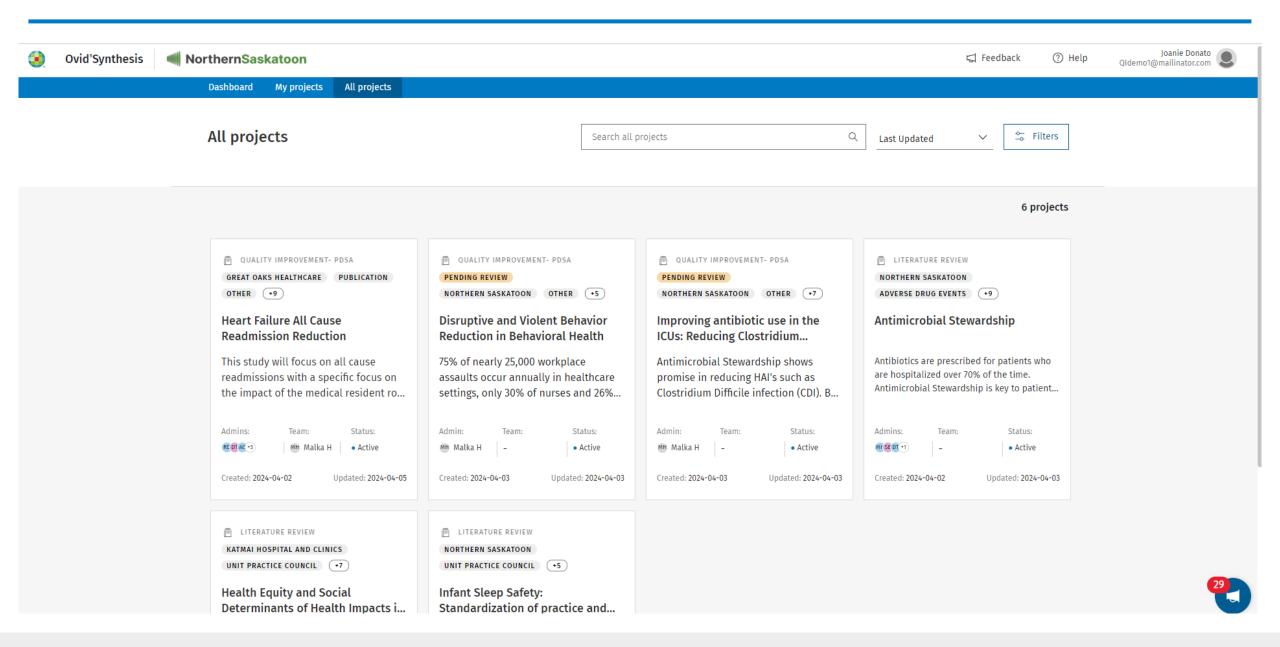
#### **Panelist**

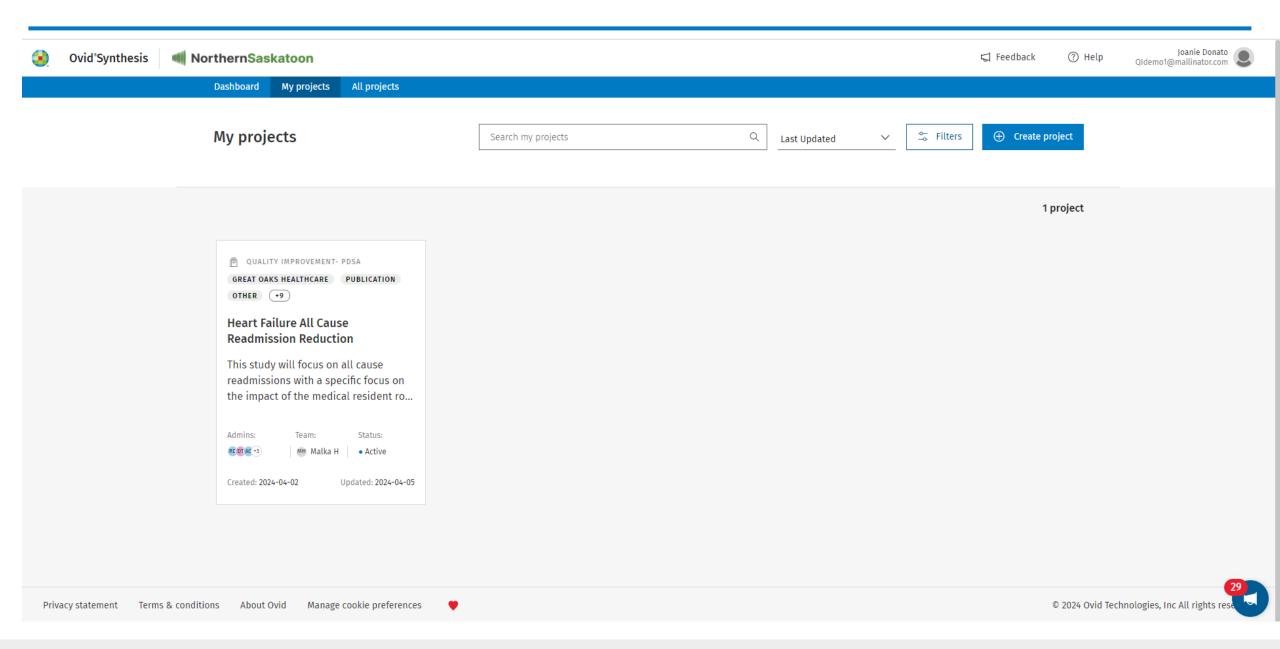
Marco Aurelio BA, MA, MSc, PGDip Associate Director for Quality Improvement Fast London NHS Foundation Trust

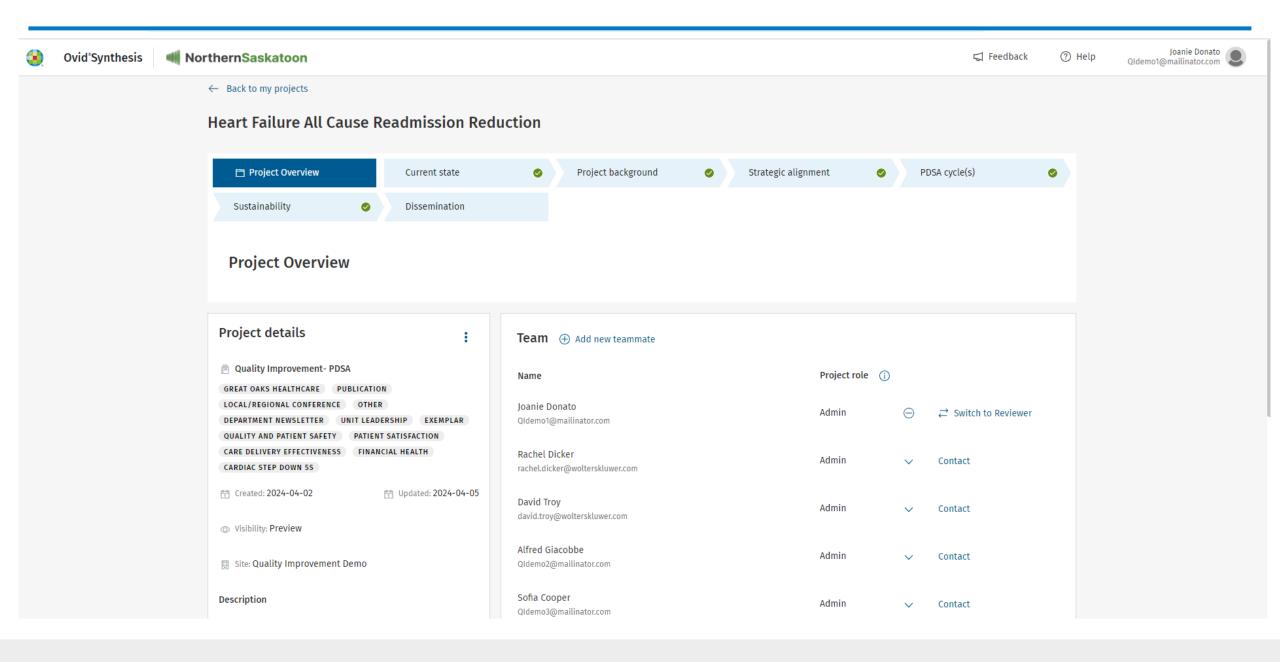


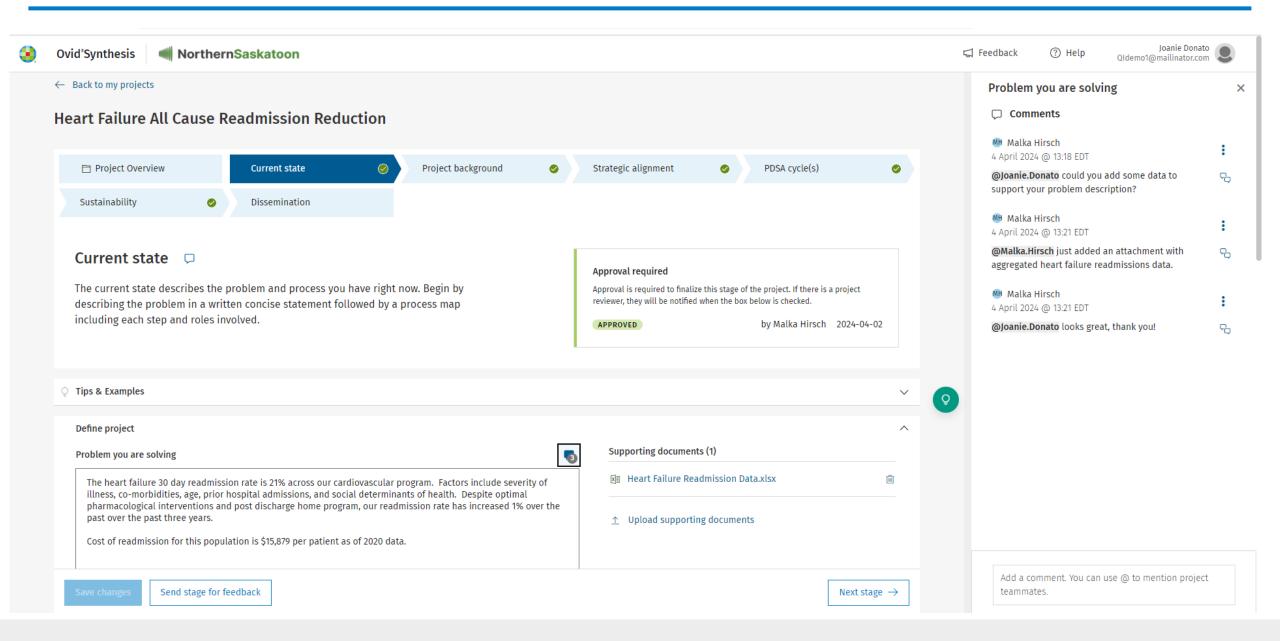
# **Appendix**

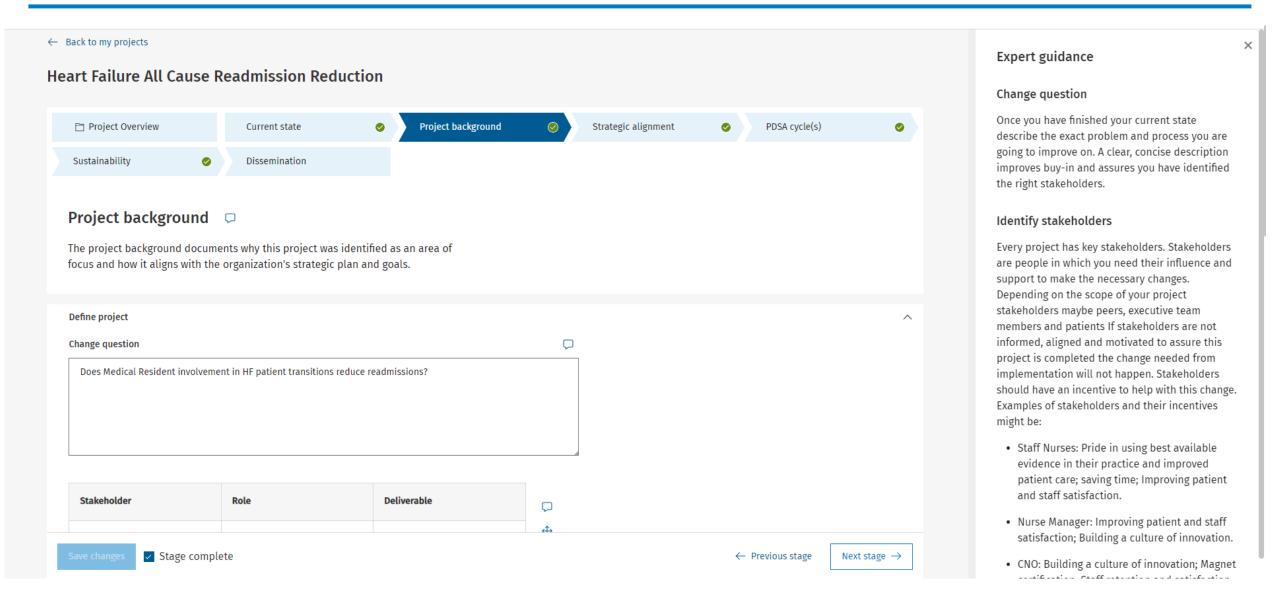


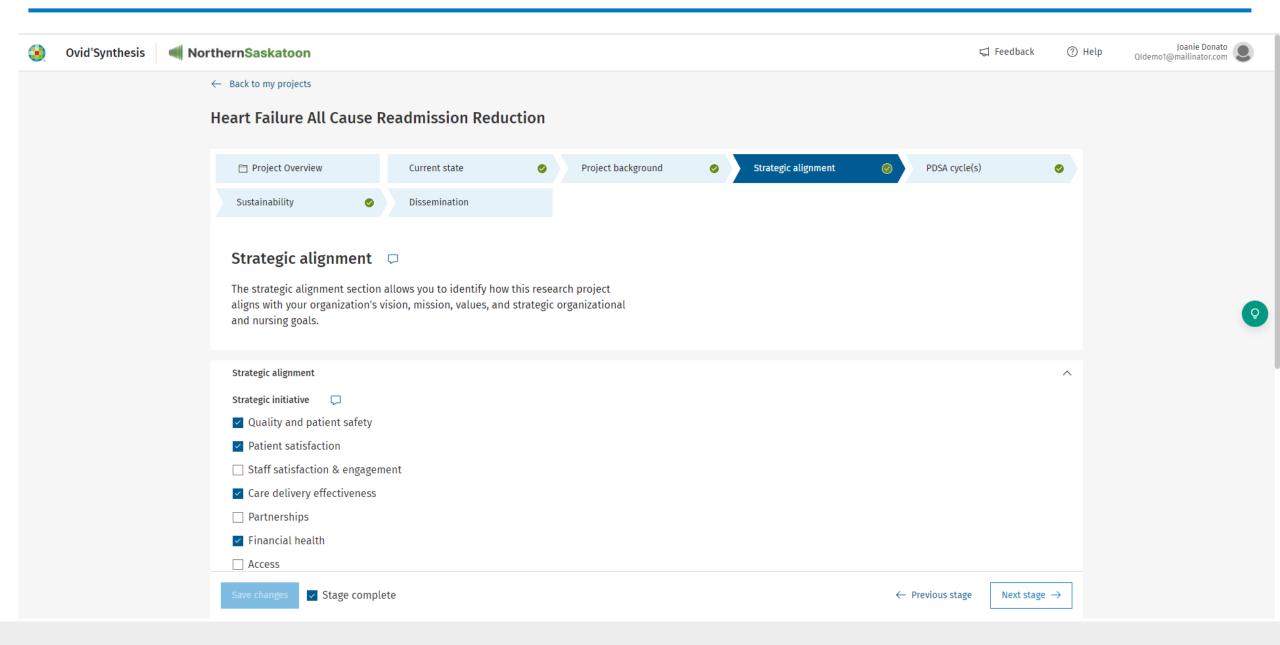


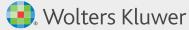


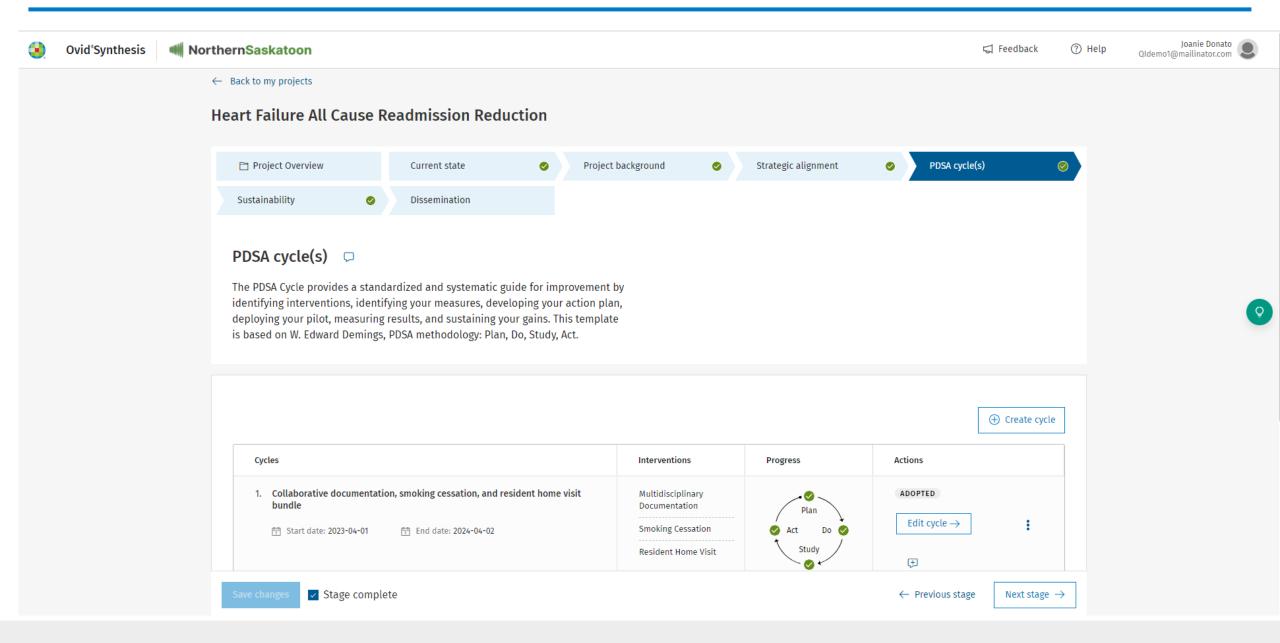


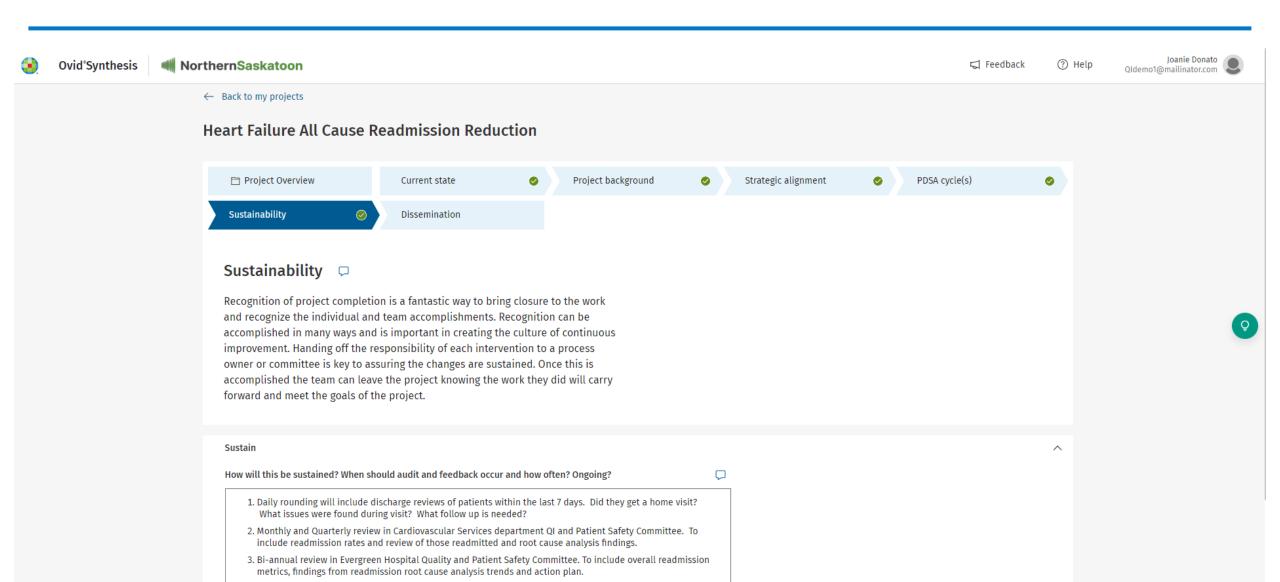














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← Previous stage

