Intermediate Improvement Science Series (I^2S^2)

What is I^2S^2?

At Cincinnati Children's, The James M. Anderson Center for Health Systems Excellence is transforming the delivery of care through improvement science. The *Intermediate Improvement Science Series (I^2S^2)* is a leadership development course that supports the transformation of health systems and catalyzes the culture shift necessary to be a leader in quality improvement. Quality improvement (QI) students develop the knowledge and skills required to lead improvement and get results.

Course Benefits:

- Achieve process and outcome improvement results
- Maximize learning by participating in 1:1 coaching with a QI expert who is actively applying this work
- Take part in system transformation by making a direct impact in areas such as safety, access, productivity, clinical outcomes, patient-family experience, cost/business process, and community health
- Connect with and learn from other course participants
- Strengthen knowledge, skills, and experience in applying improvement science

The Anderson Center

The Anderson Center is committed to developing the next generation of leaders who will accelerate the transformation of health. We have:

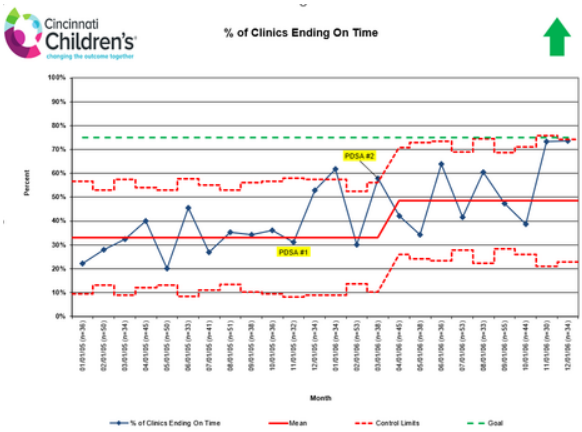
- Proven impact, with 88% of graduates achieving improvement results
- Developed over 1,300 improvement science leaders from within and beyond Cincinnati Children's
- Guided over 2,100 participants in team-based process improvement collaboratives
- Distinguished faculty with over 250 years of combined experience in improvement science who use evidence-based teaching and coaching practices
- Expert QI coaches and instructors who have made a commitment to bringing an equity focus to the courses with the aim of achieving health excellence for everyone

> *"The tools that I gained from my I^2S^2 experience have helped me to thoughtfully evaluate our processes and the efficiency of each step. Rather than jumping to an assumed single solution, I can see how each step impacts the process and how intervention at various points along the way may improve the outcome. The value of the tools, but more so the knowledge that I gained through this class, is immeasurable."*
>
> **I^2S^2 Graduate**

Intermediate Improvement Science Series (I^2S^2)

Who?

Physicians, researchers, patient services leaders, and business and operations leaders at the director level or above who want to make an immediate impact in their health system.



What?

I^2S^2 helps build a broader and deeper network of QI leaders, brings about continued culture transformation, and develops skills and improvement through the Model for Improvement as based on Deming's "System of Profound Knowledge." Participants work on a real project in their system to drive immediate improvements in health outcomes, equity, and care delivery as they build their skills.

How?

Expert faculty members lead the course in understanding improvement science, variation, appreciation of the system, theory of knowledge/action learning, and psychology/change management. Instructional methodologies include lectures, small and large group discussions, application exercises, case studies, project presentations, and interactive and experiential learning, preparing participants to practice, teach, and lead improvement efforts across their organizations.

When?

Two cohorts are offered per year taking place from:

- August – January
- January – June

Continuing Education

Participants in this course may qualify for continuing education credit.
For more information, contact cme@cchmc.org.

For more information about I^2S^2 and how to apply, and course costs visit our website or contact us at I2S2_Communications@cchmc.org

"I^2S^2 provides the immersive quality improvement experience critical to transforming the QI curious into QI leaders. This is far more than an expertly curated schedule of QI didactics. Participants not only weave concepts into their own project, but further apply them in appraising the rich canvas of improvement work provided by their peers. The all teach, all learn atmosphere this fosters brings it all to life."

I^2S^2 Graduate