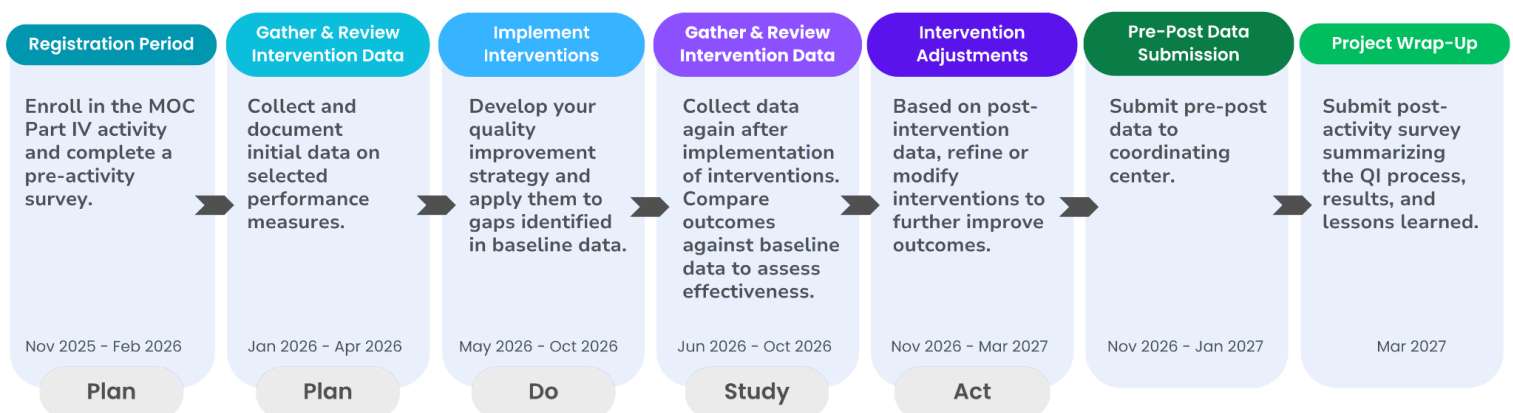
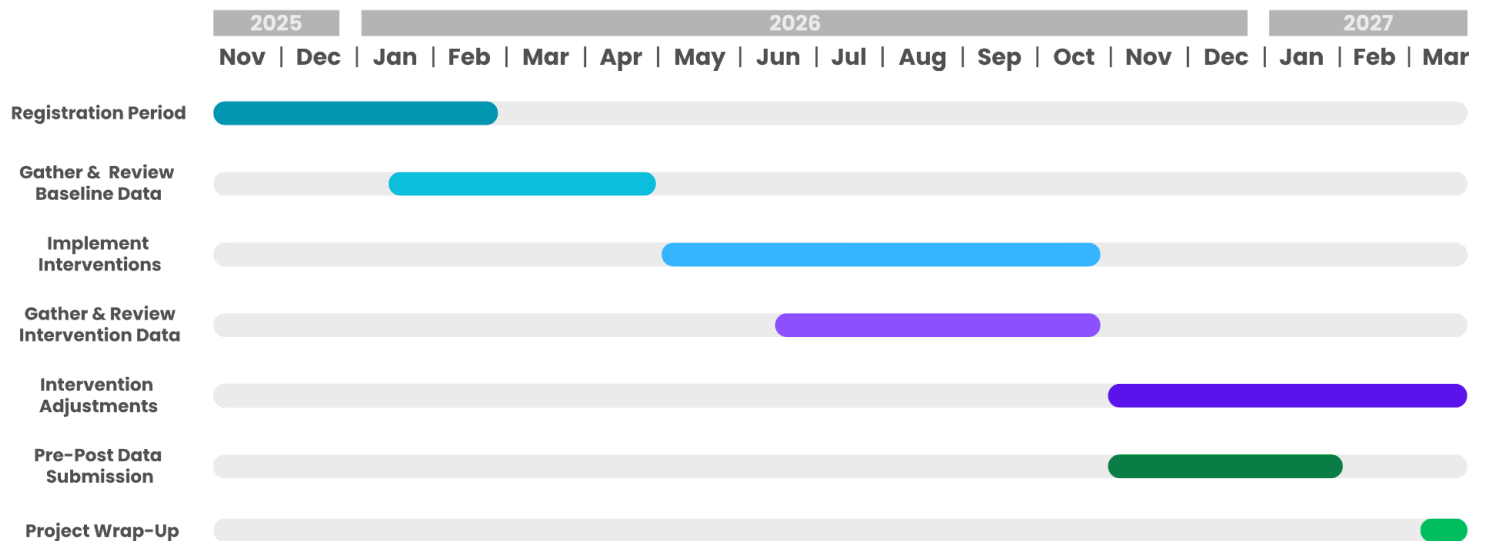


AIR Therapy MOC IV Activity

Revolutionizing Asthma Treatment: Implementing ICS-Based Reliever Therapies in Clinical Practice

Activity Timeline

This MOC Part IV activity will occur November 2025 – March 2027.



Understanding the PDSA/PDCA Cycle

Participating in this activity will involve undergoing several cycles of process improvement.

Plan-Do-Study-Act (PDSA) or **Plan-Do-Check-Act (PDCA)** refers to a four-step continuous model for improvement of processes. For this MOC Part IV activity, you'll choose a project goal and engage in several PDSA cycles.

Plan	Identify an opportunity for improvement, define the goals, and outline and plan the changes needed to achieve them.
Do	Implement the planned change.
Study/ Check	Analyze the results of the changes and assess outcomes and what was learned.
Act	Decide next steps based on the findings from the study/check phase. Take action based on the findings from the study/check phase. Adopt the change, modify it, or abandon it and begin a new PDSA/PDCA cycle.

Project Goals

Choose from one of four project goals, develop a quality improvement project based on the goal, and engage in PDSA cycles.

Project Goal 1: Identify At-Risk Patients

Increase Identification of At-Risk Patient by Using Evidence-Based Questionnaires

- Initiate uptake or increase use of AIRQ or SABA Overreliance Questionnaire
 - Demonstrate any uptake or increase in questionnaire utilization in asthma patients, ages 6 and above, via pre and post intervention metrics
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Project Goal 2: Reduce SABA Use in High-Risk Patients

Reduce Use of SABA Monotherapy in High-Risk Asthma Population

- 10% relative decrease from baseline in number of patients, ages 6 and above, receiving SABA monotherapy in the high-risk asthma population, at the practice level in available patient dashboards.
 - **Numerator:** Eligible patients included in the denominator for whom a SABA inhaler medication is dispensed in the measurement period.
 - **Denominator:** The percentage of patients ages 6 and older who were identified as having asthma with at least one urgent care or ED visit or hospitalization or 2+ oral corticosteroid (OCS) fills and did not have an ICS-containing controller prescription dispensed in the measurement period.
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Project Goal 3: Reduce SABA Canisters

Reduce the Proportion of Patients Receiving 3+ SABA Canisters during the intervention period as compared to baseline (reduce # of people receiving 3+ SABA canisters per year). This measures patient behavior; specifically, how many patients receive 3+ canisters per year based on prescription fills.

- 10% relative decrease of the proportion of patients, ages 6 and older, at the practice level, receiving 3+ SABA canisters during the intervention period as compared to baseline.
 - **Numerator:** Eligible patient included in the denominator for whom a SABA inhaler medication is dispensed 3+ times in the measurement period.
 - **Denominator:** Eligible patients, as defined above, with at least one Rx insurance claim in the measurement period.
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Project Goal 4: Reduce SABA Overprescribing

Reduce SABA Overprescribing by Implementing a Process to Reduce the Number of SABA Canisters Provided (providers allow fewer # of canisters per prescription). This measures provider prescribing behavior or how many canisters are permitted at the time of prescribing.

- Implement one or more interventions aimed at reducing the number of SABA canisters provided from AIR therapy project tools or other evidence-based strategies.

Understanding Absolute and Relative Change

Two of the four project goals call for understanding relative change.

An **absolute change** refers to the difference between two numbers.

$$\text{Final Value} - \text{Initial Value} = \text{Absolute Change}$$

A **relative change** refers to the percent difference between an original number and a new one.

$$\left(\frac{\text{Absolute Change}}{\text{Initial Value}} \right) \times 100 = \text{Relative Change (\%)}$$

Say you prescribe 250 patients 3+ SABA canisters per year. You choose project goal 3, and want to see a 10% decrease in the number of patients being prescribed 3+ SABA canisters. Your formula may look something like this if you're successful in meeting the project goal:

Absolute Change

$$225 \text{ patients} - 250 \text{ patients} = -25 \text{ patients}$$

Relative Change:

$$\left(\frac{-25 \text{ patients}}{250 \text{ patients}} \right) \times 100 = -10\% \text{ patients}$$

Contact Information

Have questions or concerns?

For any questions regarding this MOC Part IV activity, please email airtherapymoc@med.umich.edu.