

Module	What you can learn...	Resources	
Fundamentals of Improvement Science	<ul style="list-style-type: none"> • What is quality improvement? • How root cause analysis and waste walks can contribute to developing a good question • PDSA and choosing solutions 	<ul style="list-style-type: none"> • 5 Whys Form • A3 Form • PDCA Form • PDCA Summary • PICK Chart 	<ul style="list-style-type: none"> • Problem Assessment Form • Project Design & Evaluation Guide • Waste Walk Check-sheet • RCA Worksheet
Human Subjects & IRB	<ul style="list-style-type: none"> • Human subjects defined • Research vs. quality improvement • What requires an IRB submission? • How to submit through MMC IRB 	<ul style="list-style-type: none"> • Quality Improvement vs. Research • Step-by-step guide for IRB submission • SQUIRE Guidelines • SQUIRE Guidelines 2.0 Checklist 	
Project Planning & Applications	<ul style="list-style-type: none"> • Defining and choosing an appropriate question • Defining a goal statement • Data summary and expectations 	<ul style="list-style-type: none"> • Data Summary & Expectations Form • Goal Statement Form • Final Project Selection Form • IHI "5 WHYS" Form • IHI Cause & Effect Diagram • IHI Driver Diagram • IHI Project Planning Form 	<ul style="list-style-type: none"> • Impact versus Effort Form • Prioritization Rationale Form • Problem Statement Form • Process Map Form • Project Benefit Form • Project Ideas Form • Project Scope Form • Time & Effort Required Form
Measuring, Analyzing, & Displaying Data	<ul style="list-style-type: none"> • PDSA review, with a focus on Act • How to display data 	<ul style="list-style-type: none"> • Abstract Template Form • Act Form • Data Display Rationale Form • IHI PDSA Worksheet 	<ul style="list-style-type: none"> • IHI Quality Improvement Essentials Toolkit (Includes run charts, pareto charts, histograms and scatter plots) • Plan, Do, Study Form • Presentation Template Form
Scale, Spread, & Sustainability	<ul style="list-style-type: none"> • Questions to consider when designing your project to make it last 	<ul style="list-style-type: none"> • Measure, Collect & Display Data Form • Control Phase - Sustainability Plan Form 	
Academic Dissemination	<ul style="list-style-type: none"> • Best practices in dissemination – what is most appropriate for your project 	<ul style="list-style-type: none"> • 4 x 6 Poster Template • A3 Template • PowerPoint Presentation Template 	<ul style="list-style-type: none"> • SQUIRE Guidelines • SQUIRE 2.0 Checklist • QR Poster Template
Reducing Healthcare Disparities	<ul style="list-style-type: none"> • How to appropriately incorporate underserved populations into quality improvement projects • Special consideration for working with underserved populations 	<ul style="list-style-type: none"> • Community Needs Form • Population Data Form • Population Health Form • Social Determinants of Health Form 	