

Value Of Imaging Through Comparative Effectiveness Program (VOICE) Program Syllabus

**Weeks based on Friday-Thursday schedule*

Evidence-Synthesis and Systemic Review Meta-Analyses (ESSR)

Week	Date	Workshop/Course Topic
Pre-work	September 9 – 16, 2021	Complete the Online Course 1 Pre-Test online: <ol style="list-style-type: none"> 1. Go to RSNA’s Online Learning Center. 2. Click Log In in the top-right corner 3. 6.4. Click RSNA login and use your RSNA credentials to log in. <ol style="list-style-type: none"> a. <i>If you do not know your username, please contact customerservice@rsna.org or 1-877-776-2636 (toll free US and Canada only) or 1-630-571-7873 (toll).</i> 4. Click My Learning at the top. 5. Click Launch next to the course title: VOICE: Evidence-Synthesis and Systemic Review Meta-Analyses (ESSR) (2021)
Week 1	September 17 – 18, 2021	Virtual Workshop 1: Introduction to CER and Evidence Synthesis
	September 24, 2021	Virtual Workshop 1 Evaluation - CME booklets due
	October 1 – 7, 2021	Online Course 1: Evidence-Synthesis and Systematic Review Meta-Analyses (ESSR) all materials released online. Complete the following: <ul style="list-style-type: none"> • Week 1 Readings • Lectures: <ul style="list-style-type: none"> - ESSR Intro: Dr. Bangalore - What is a Meta-Analysis?
Week 2	October 8 – 14, 2021	<ul style="list-style-type: none"> • Week 2 Readings • Lectures: <ul style="list-style-type: none"> - Interpretations of Meta-Analysis - Strengths of Meta-Analyses

		<ul style="list-style-type: none"> - Limitations of Meta-Analyses - Meta-Analysis: "The How"
Week 3	October 15 – 21, 2021	<ul style="list-style-type: none"> • Week 3 Readings • Lectures: <ul style="list-style-type: none"> - Preparing for a Systematic Search - Basics of Database Searching - Searching in Pubmed
Week 4	October 22 – 28, 2021	<ul style="list-style-type: none"> • Week 4 Readings • Lectures: <ul style="list-style-type: none"> - Translating and Recording Searches - Reference Management - Eligibility and Screening Results
Week 5	October 29 – November 4, 2021	<ul style="list-style-type: none"> • Week 5 Readings • Lectures: <ul style="list-style-type: none"> - Principles of Meta-Analysis - Types of Data - Fixed Effect vs. Random Effect Model (Part 1) - Fixed Effect vs. Random Effect Model (Part 2)
	November 3, 2021 , 11:00 AM – 1:00 PM Central (12:00 – 2:00 PM Eastern, 9:00 – 11:00 AM Pacific)	RSNA VOICE Evidence-Synthesis and Systematic Review Meta-Analyses (ESSR) Webinar with Drs. Kang, McInnes and Nicholson, (Sanelli).
Week 6	November 5 – November 11, 2021	<ul style="list-style-type: none"> • Week 6 Readings • Lectures: <ul style="list-style-type: none"> - Performing Meta-Analysis Using Revman (Part 1) - Performing Meta-Analysis Using Revman (Part 2)
Week 7	November 12 – 18, 2021	<ul style="list-style-type: none"> • Week 7 Readings • Lectures: <ul style="list-style-type: none"> - Interpreting Results - Presenting Results - Quality of Evidence
Week 8	November 19 – 25, 2021	<ul style="list-style-type: none"> • Week 8 Readings • Lectures: <ul style="list-style-type: none"> - Meta-Analyses: Publication Bias - Meta-Analyses: Heterogeneity

Catch up / Break	November 26 – December 9, 2021	Catch up / break
Week 9	December 10 – 16, 2021	<ul style="list-style-type: none"> • Week 9 Readings • Lectures: <ul style="list-style-type: none"> - Diagnostic Test Accuracy Systematic Reviews - Meta-Analyses of Continuous Variables: A Case Study
Catch up / Break	December 17, 2021 – February 3, 2022	Catch up / break. Participants submit draft manuscripts of systematic review via email to faculty for feedback if desired.
	February 4 – March 4, 2022	Faculty provide feedback via email to participants on draft systematic review manuscripts.

Decision Analysis (DA)

Week	Date	Workshop/Course Topic
Pre-work	February 3 – 17, 2022	Purchase TreeAge Student Course License (\$55) at https://www.treeage.com/shop/ two weeks before Workshop 2, which will grant you access for six-months through the end of the program.
	February 17 – 24, 2022	<p>Complete the Online Course 2 and 3 Pre-Test online:</p> <ol style="list-style-type: none"> 1. Go to RSNA's Online Learning Center. 2. Click Log In in the top-right corner 3. 6.4. Click RSNA login and use your RSNA credentials to log in. <ol style="list-style-type: none"> a. <i>If you do not know your username, please contact customerservice@rsna.org or 1-877-776-2636 (toll free US and Canada only) or 1-630-571-7873 (toll).</i> 4. Click My Learning at the top. 5. Click Launch next to the course title: <ol style="list-style-type: none"> a. VOICE: Decision Analysis (DA) (2022) b. VOICE: Cost Effectiveness Analysis (CEA) (2022)

	February 25 – 26, 2022	Workshop 2: Decision Analysis and Cost Effectiveness
	March 3, 2022	Workshop 2 Evaluation - CME booklets due
	March 1, 2022	Online Course 2: Decision Analysis (DA) all materials released online.
Week 1	March 4 - 10, 2022	<p>Online Course 2: Decision Analysis (DA) all materials released online. Complete the following:</p> <ul style="list-style-type: none"> • Week 1 Readings • Week 1 Labs • Lecture: <ul style="list-style-type: none"> - Introduction to Cost-Effectiveness Analysis
Week 2	March 11 – 17, 2022	<ul style="list-style-type: none"> • Week 2 Readings • <i>Complete Week 1 Labs</i> • Lectures: <ul style="list-style-type: none"> - Valuing Health Outcomes (Part 1) - Valuing Health Outcomes (Part 2) - Valuing Health Outcomes (Part 3) - Assessing Utilities: How Much Risk Are You Willing to Take?
Week 3	March 18 – 24, 2022	<ul style="list-style-type: none"> • Week 3 Readings • Week 3 Labs • Lecture: <ul style="list-style-type: none"> - Model Parameterization
Week 4	April 1 –7, 2022	<ul style="list-style-type: none"> • Week 4 Readings • Week 4 Labs • Lectures: <ul style="list-style-type: none"> - Common Transformations (Part 1) - Common Transformations (Part 2)
Week 5	April 8 – 14, 2022	<ul style="list-style-type: none"> • Week 5 Readings • <i>Complete Week 4 Labs</i> • Lecture: <ul style="list-style-type: none"> - Model Credibility and Validation
Week 6	April 15 – 21, 2022	<ul style="list-style-type: none"> • Week 6 Readings • Week 6 Lab • Lectures: <ul style="list-style-type: none"> - Base Case and Sensitivity Analysis (Part 1)

		<ul style="list-style-type: none"> - Base Case and Sensitivity Analysis (Part 2)
Week 7	April 22 – 28, 2022	<ul style="list-style-type: none"> • Week 7 Readings • Week 7 Lab
	April 22, 2022 , 11:00 AM – 1:00 PM Central (12:00 – 2:00 PM Eastern, 9:00 – 11:00 AM Pacific)	RSNA VOICE Decision Analysis (DA) Webinar with Drs. Kang, Sanelli, Ferket and Lowry.

Cost Effectiveness Analysis (CEA)

Week	Date	Workshop/Course Topic
	March 1, 2022	Online Course 3: Cost Effectiveness Analysis (CEA) all materials released online.
Week 1	April 29 – May 5, 2022	<ul style="list-style-type: none"> • Week 1 Readings • Week 1 Labs • Lectures: <ul style="list-style-type: none"> - Introduction to Cost-Effectiveness Analysis - Value Assessment and Cost-Effectiveness Analysis: Course Introduction (Part 1) - Value Assessment and Cost-Effectiveness Analysis: Course Introduction (Part 2)
Week 2	May 6 – 12, 2022	<ul style="list-style-type: none"> • <i>Complete Week 1 Readings</i> • Week 2 Labs • Lectures: <ul style="list-style-type: none"> - CEA Modeling Standards - Test Characteristics: How Accurate was that Test? - The Bayes Theorem: What Are the Odds? - Diagnoses, Predictive Values, and Whether You're Sick or Not: NPV and PPV

Week 3	May 13 – 19, 2022	<ul style="list-style-type: none"> • Week 3 Readings • Week 3 Lab • Lectures: <ul style="list-style-type: none"> - Diagnostic Testing (Part 1) - Diagnostic Testing (Part 2) - Probabilities, Heuristics & Biases
Week 4	May 20 – 26, 2022	<ul style="list-style-type: none"> • Week 4 Readings • Week 4 Lab • Lectures: <ul style="list-style-type: none"> - Measuring and Valuing Costs (Part 1) - Measuring and Valuing Costs (Part 2) - Measuring and Valuing Costs (Part 3)
	May 25, 2022 , 11:00 AM – 1:00 PM Central (12:00 – 2:00 PM Eastern, 9:00 – 11:00 AM Pacific)	RSNA VOICE Cost Effectiveness Analysis (CEA) Webinar with Drs. Kang, Sanelli, Bresnahan and Pandya.
Week 5	May 27 – June 2, 2022	<ul style="list-style-type: none"> • Week 5 Lab • Lecture: <ul style="list-style-type: none"> - Medicare Reimbursement
Week 6	June 3 – 9, 2022	<ul style="list-style-type: none"> • Week 6 Readings • Week 6 Labs • Lecture: <ul style="list-style-type: none"> - Implementation Science
Week 7	June 10 – 16, 2022	<ul style="list-style-type: none"> • Week 7 Readings • Week 7 Lab • Lecture: <ul style="list-style-type: none"> - Critiquing CEA Literature
Week 8	June 17 – 23, 2022	<ul style="list-style-type: none"> • Week 8 Readings • Week 8 Lab • Lecture: <ul style="list-style-type: none"> - Sensitivity Analysis
Week 9	June 24 – 30, 2022	<ul style="list-style-type: none"> • Week 9 Readings • Week 9 Lab • Lecture: <ul style="list-style-type: none"> - Prioritizing Ethics