RWE DECODER — QUICK START GUIDE

MODULE 1: ARTICULATING THE QUESTION

Define your research question
using the PICOTS framework

➡

**POPULATION
INTERVENTION
COMPARATOR
OUTCOME(S)
TIMING
SETTING**

MODULE 2A: ASSESSING RELEVANCE

✔ Check boxes as you consider each <u>domain</u> within the Relevance dimension

⚖ Rate overall Relevance from 1 (minimally) to 4 (maximally) for each <u>study</u>

🛑 STOP — Only enter "0" if a necessary piece of information is missing from the study

MODULE 2B: ASSESSING RIGOR

✔ Check boxes as you consider each <u>subdomain</u> within the Rigor dimension

Optional Step

Rate Rigor for each <u>domain</u> prior to rating Rigor for overall <u>study</u>

⚖ Rate overall Rigor from 1 (minimally) to 4 (maximally) for each <u>study</u>

🛑 STOP — Only enter "0" if a necessary piece of information is missing from the study

		DOMAIN	DOMAIN RATINGS
		QUALITY OF RESEARCH QUESTION	2
		POTENTIAL FOR BIAS (Non-randomized)	1
STUDY 1	Smith, 2005	POTENTIAL FOR BIAS (Randomized)	
		PRECISION	

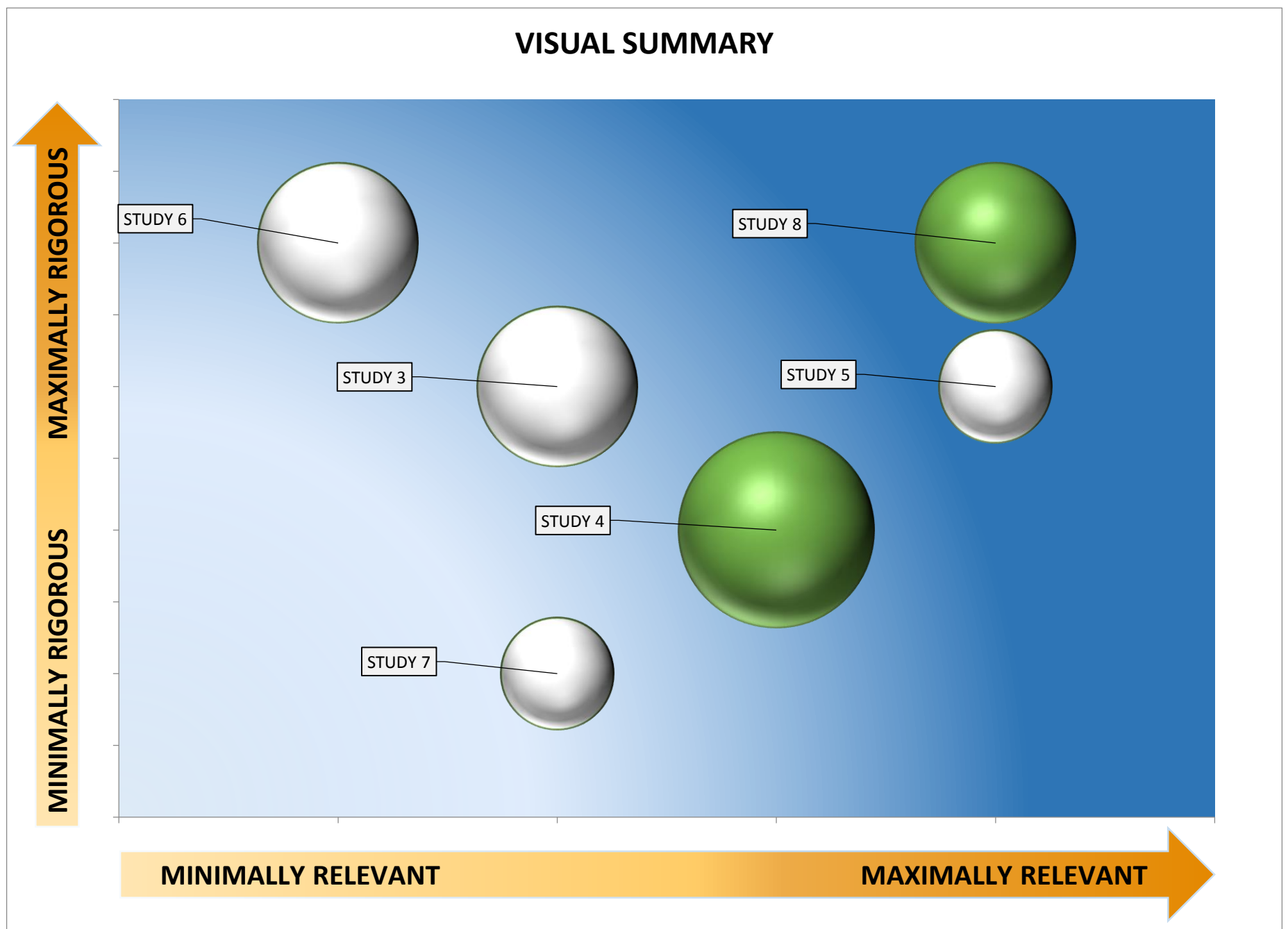## MODULE 2C: MAGNITUDE AND DIRECTION OF EFFECT

⚖ Rate the magnitude of an effect for each <u>study</u>: 1 – not very meaningful, 2 – meaningful, or 3 – very meaningful

📍 Indicate the direction of the effect: 1 – negative or no difference, 2 – positive

MODULE 3: VISUAL SUMMARY

VISUAL SUMMARY

MAXIMALLY RIGOROUS

MINIMALLY RIGOROUS

STUDY 6

STUDY 8

STUDY 3

STUDY 5

STUDY 4

STUDY 7

MINIMALLY RELEVANT   MAXIMALLY RELEVANT

Understanding the Display:

- Each bubble is a data point for one study and represents the Likert-type assessments for Relevance (x-axis) and Rigor (y-axis) (Modules 2A and 2B)

- The size of the bubble (area) indicates the magnitude of an effect (Module 2C)

- The color of the bubble indicates the direction of an effect (green = positive; white = negative or no difference) (Module 2C)

Note: studies with "0" in any domain of Relevance or Rigor are excluded from the plot