

Week 14 - Meta-analysis and forest plots: Monday exit ticket

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Name: _____

Date: _____

Instructions

Work through each item below. Write your final response in the space provided. Show enough work that another reader can follow your reasoning.

1. Three researchers describe their work on the same drug.

Researcher 1 ran **one** randomized trial and reported a risk ratio with a confidence interval.

Researcher 2 searched for **every study** ever done on the drug and screened them for quality, then summarized what the whole body of research found.

Researcher 3 took the studies from that search and **combined their estimates into one pooled risk ratio**.

- (a) Label each researcher's work as a **single study**, a **systematic review**, or a **meta-analysis**.
- (b) In a forest plot, Study P has a 95% CI of (0.70, 0.95) and Study Q has a 95% CI of (0.40, 1.30). Which study would usually be drawn with a **bigger square** (more weight), and why?