Implied α for Overall Synthesis Methdology

Description: evidentiary standard met in at least one of Dockstader et al. or Liggett et al. with c[...]
and significance in Beta-blocker Effect On Remodeling and Gene Expression (BORG) data

Within Studies, the implied type-1 error rate given the study-specific evidentiary standard:
Dockstader $\alpha \approx 0.003594$, Liggett $\alpha \approx 0.000509$

The subsequent application of $p < 0.05$ with concordant directionality in BORG yields:

$$0.05 \cdot \left(\frac{P(\text{Dockstader}) + P(\text{Liggett}) - 2 \cdot P(\text{Dockstader} \cdot \text{Liggett})}{2} + \frac{P(\text{Dockstader} \cdot \text{Liggett})}{4} \right)$$

$\therefore \alpha_{\text{Overall}} \approx 0.0001025$