

W1.6 – Outcome Hierarchies and the Win Ratio: Design, Analysis and Interpretation

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Workshop summary

The win ratio is gaining popularity as a clinically intuitive way to analyse trials with multiple outcomes, but its usefulness depends critically on how outcome hierarchies are defined, interpreted, and communicated.

This interactive workshop focuses on the practical challenges that arise when applying the win ratio in real trials, including those without a natural terminal event like mortality anchoring the hierarchy. Using a realistic trial scenario, participants will engage in facilitated discussions to design and critique alternative outcome hierarchies and explore how these choices affect win ratio results.

The session will include live demonstrations of sample size calculation, analysis, and visualisation, alongside downloadable code to support implementation. Emphasis is placed on interpretation, presentation, and transparency rather than coding proficiency.

This workshop is ideal for trialists, statisticians, and methodologists seeking practical guidance on using and communicating win ratio analyses with confidence.