Formulae

Formula 1: $\text{SEM}_{\text{stable,ME1-ME2}} = \sqrt{\text{MSE}}$

Legend: $\text{SEM}_{\text{stable,ME1-ME2}}$=standard error of measurement for retest; MSE=mean square error obtained from ANOVA

Formula 2: $\text{SEM}_{\text{stable,ME1-ME3}} = \sqrt{\text{MSE}}$

Legend: $\text{SEM}_{\text{stable,ME1-ME3}}$=standard error of measurement of the change in WDQ-G scores; MSE: mean square error obtained from ANOVA

Formula 3: $\text{MDC}_{95} = \text{SEM}_{\text{stable,ME1-ME3}} \times 1.96 \times \sqrt{2}$

Legend: MDC_{95}=minimal detectable change at 95% confidence intervall, $\text{SEM}_{\text{stable,ME1-ME3}}$=standard error of measurement

Formula 4: $\text{ES}_{\text{Kazis}} = \dfrac{\overline{\text{ME1}}_{\text{improved}} - \overline{\text{ME3}}_{\text{improved}}}{\text{SD}_{\text{improved,ME1}}}$

Legend: ES_{Kazis}: Kazis' effect size; $\overline{\text{ME}}_{\text{improved}}$: mean improved results at measurement event one and three respectively; $\text{SD}_{\text{improved,ME1}}$: standard deviation of improved participants at entry

Formula 5: $\text{ES}_{\text{Guyatt}} = \dfrac{\overline{\text{ME1}}_{\text{improved}} - \overline{\text{ME3}}_{\text{improved}}}{\text{SD}_{\text{stable,ME1-ME3}}}$

Legend: $\text{ES}_{\text{Guyatt}}$: Guyatt's effect size; $\overline{\text{ME}}_{\text{improved}}$: mean improved results at measurement event one and three respectively; $\text{SD}_{\text{stable,ME1-ME3}}$: standard deviation of the score change in stable participants

Formula 6: $\text{SRM} = \dfrac{\overline{\text{ME1}}_{\text{improved}} - \overline{\text{ME3}}_{\text{improved}}}{\text{SD}_{\text{improved,ME1-ME3}}}$

Legend: SRM: Standardised Response Mean; $\overline{\text{ME}}_{\text{improved}}$: mean improved results at measurement event one and three respectively; $\text{SD}_{\text{improved,ME1}}$: standard deviation of improved participants at entry