

Supplementary Online Content

Kurvers RHJM, Krause J, Argenziano G, Zalaudek I, Wolf M. Detection accuracy of collective intelligence assessments for skin cancer diagnosis. *JAMA Dermatol*. Published online October 21, 2015. doi:10.1001/jamadermatol.2015.3149.

eFigure 1. True-Positive Rate of Melanoma and Basal Cell Carcinoma in Study 2

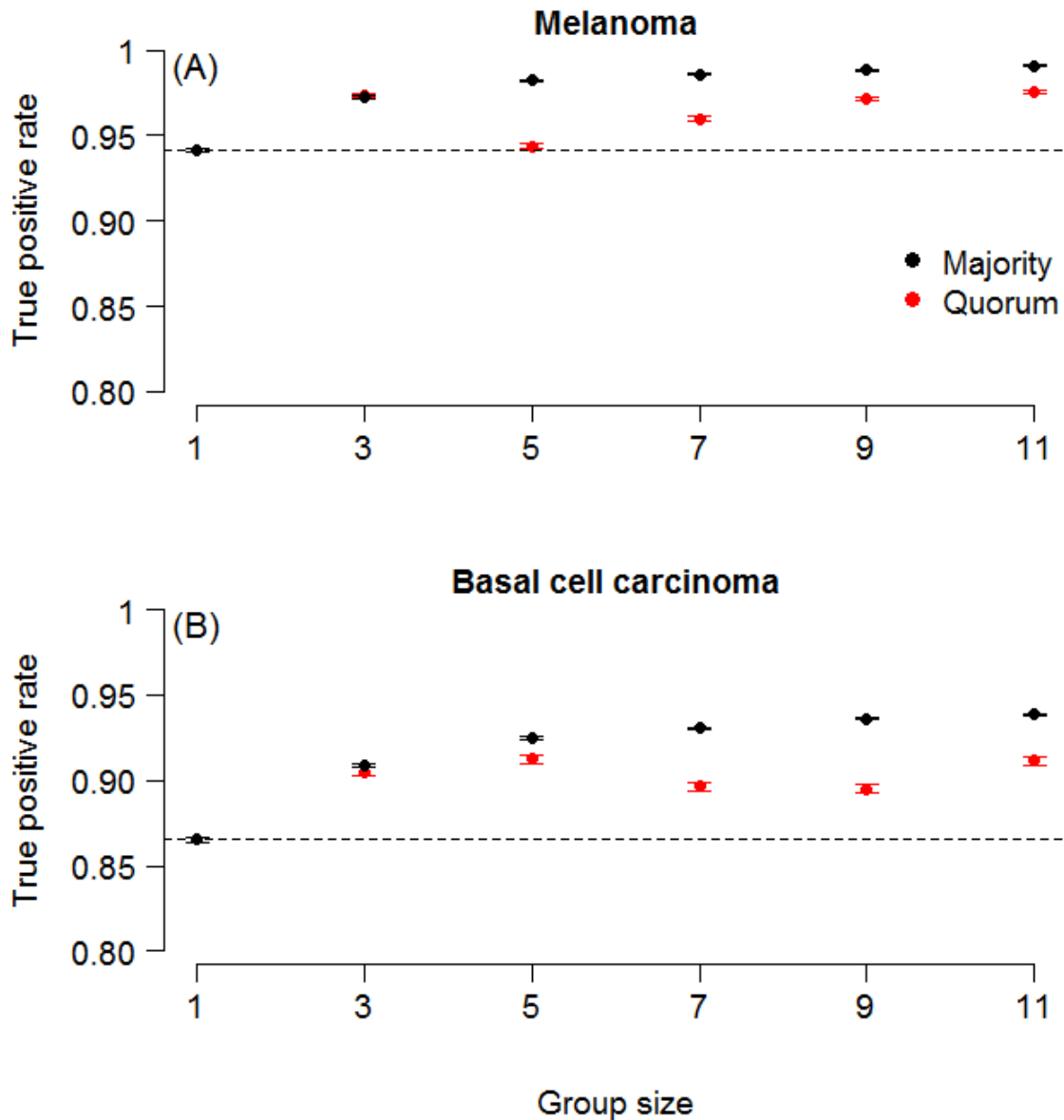
eFigure 2. Effect of Increasing Group Size for ABCD Rule

eFigure 3. Effect of Increasing Group Size for Menzies Method

eFigure 4. Effect of Increasing Group Size for 7-Point Checklist

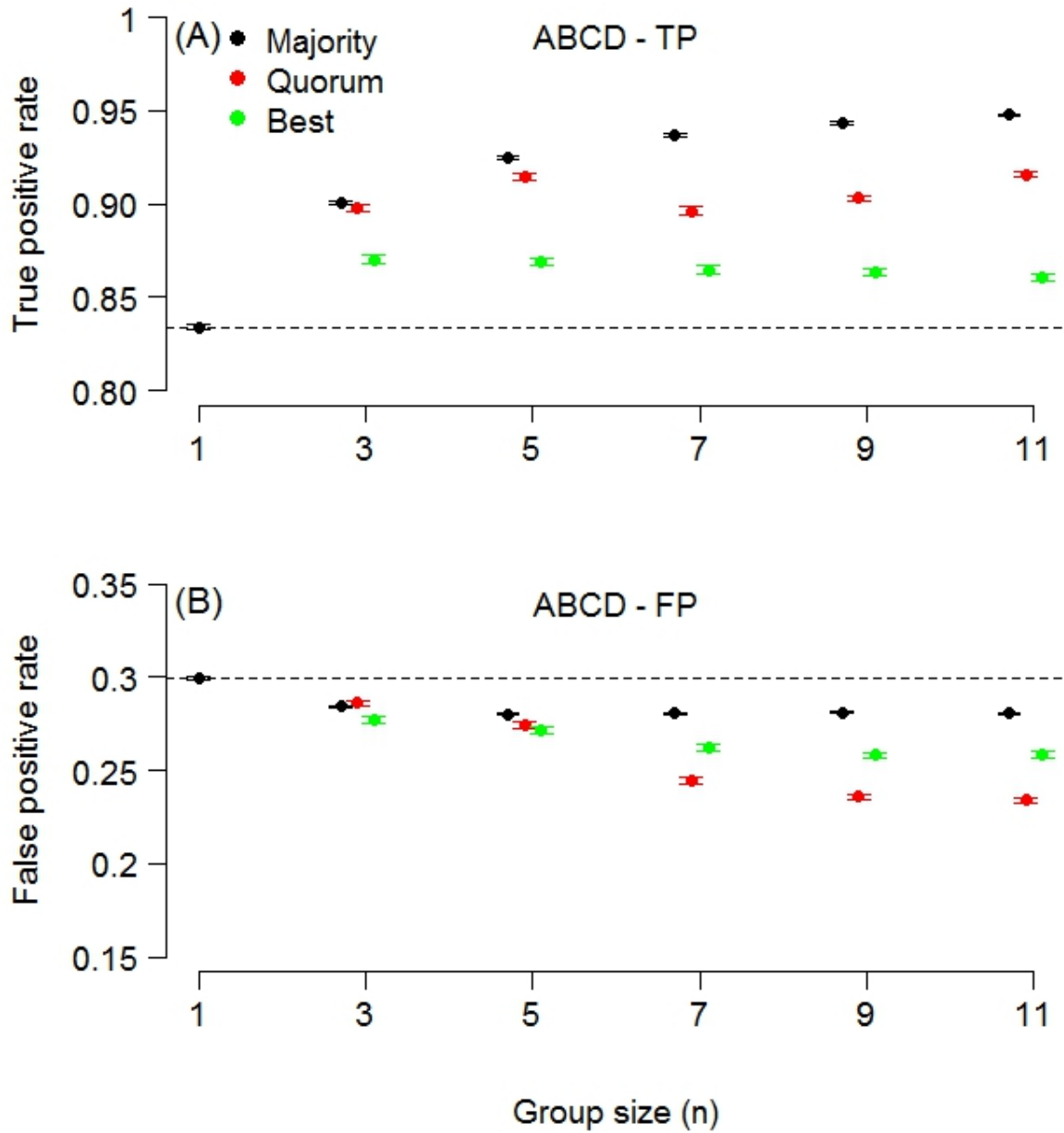
eFigure 5. ROC Curves When Varying the Quorum Threshold

This supplementary material has been provided by the authors to give readers additional information about their work.



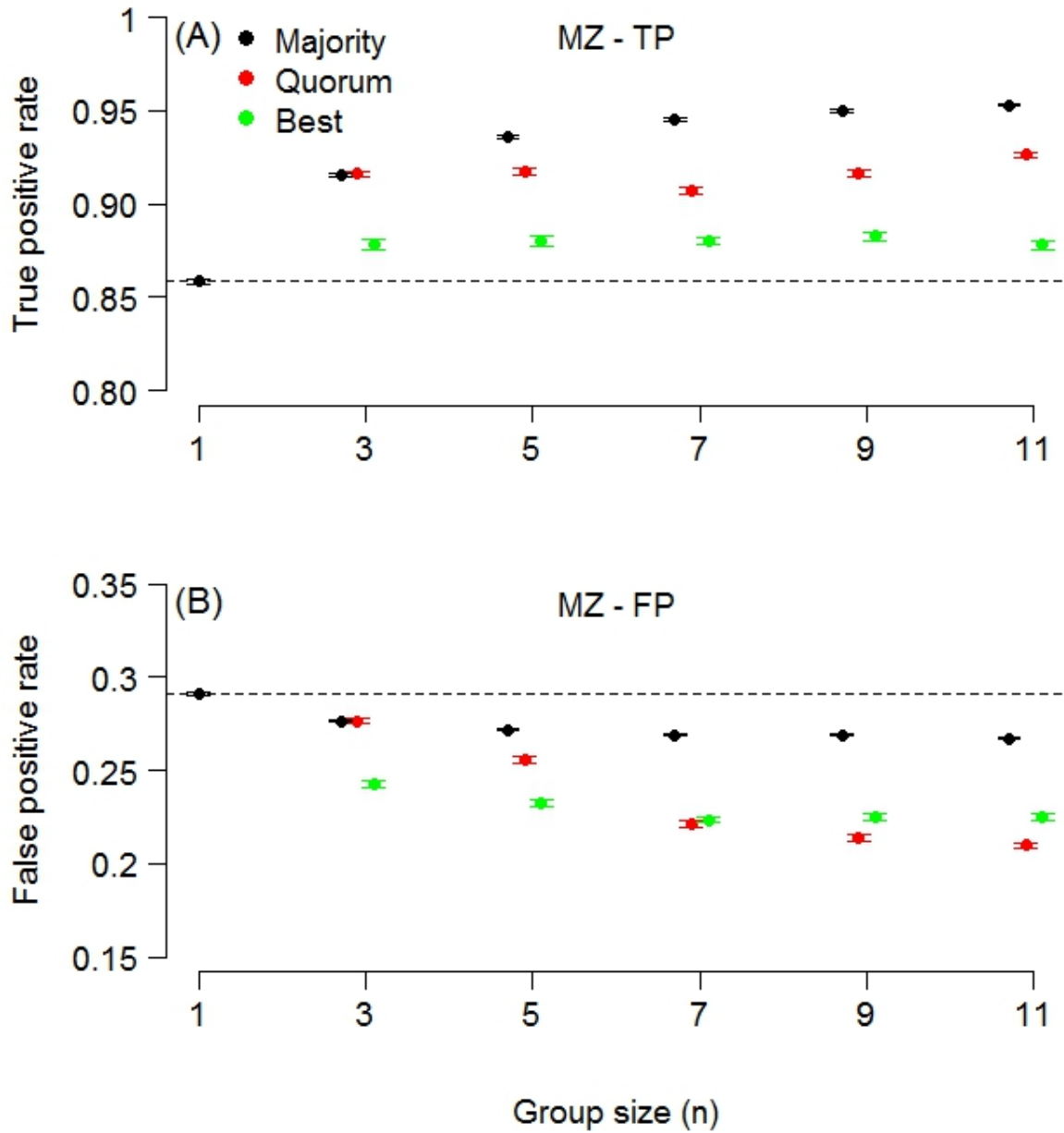
eFigure 1. True-Positive Rate of Melanoma and Basal Cell Carcinoma in Study 2

With increasing group size the true positive rate of (A) melanoma and (B) basal cell carcinoma increases in Study 2. Shown are means (\pm SEM). The horizontal lines represent the average individual true positive rate (i.e., group size 1). Data are based on the 3-point checklist (Study 2).



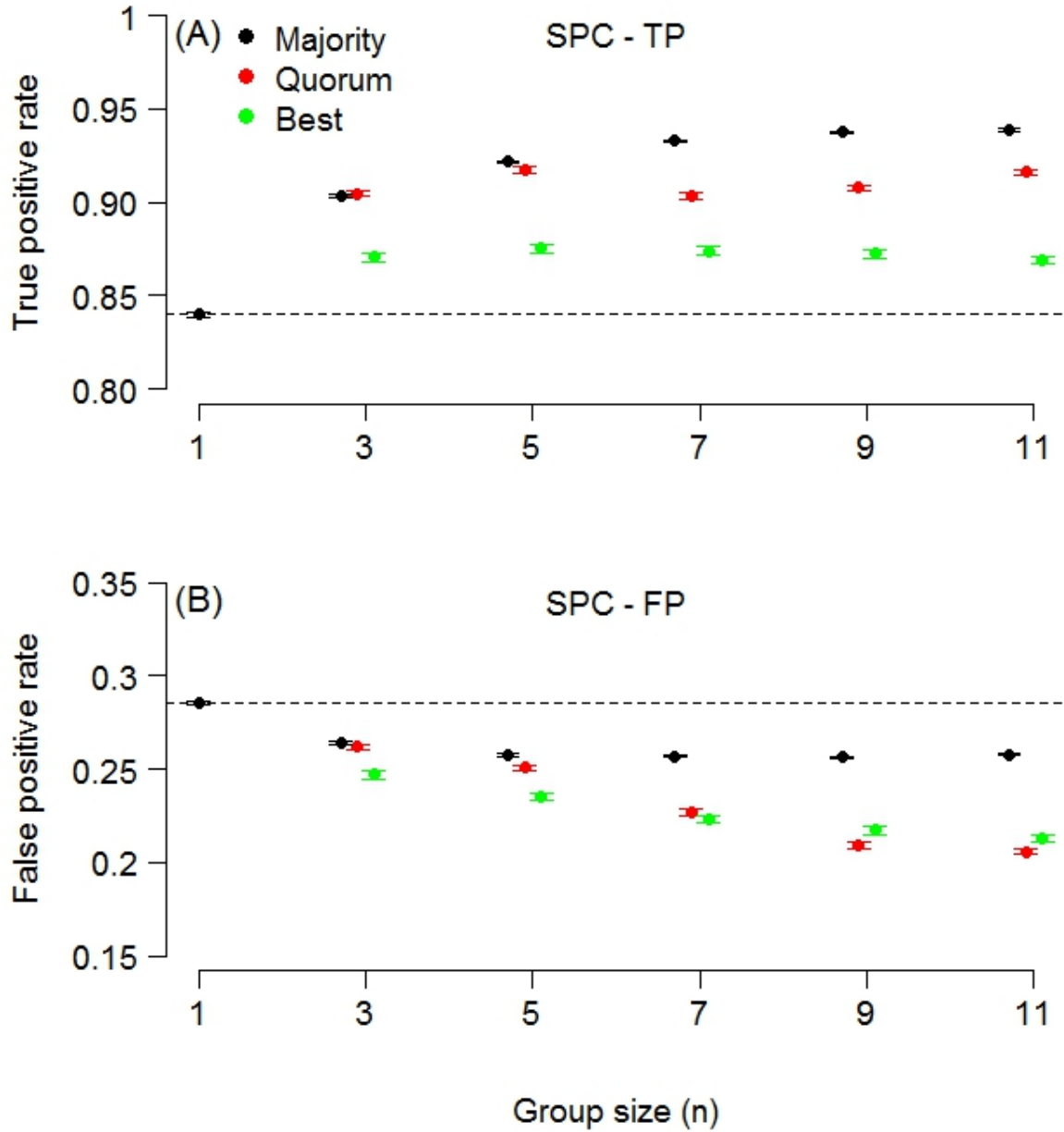
eFigure 2. Effect of Increasing Group Size for ABCD Rule

With increasing group size, (A) the true positive rate increases, whereas (B) the false positive rate decreases. Shown are means (\pm SEM). The horizontal lines represent the average individual true and false positive rate (i.e., group size 1). Data are based on the ABCD-rule (Study 1).



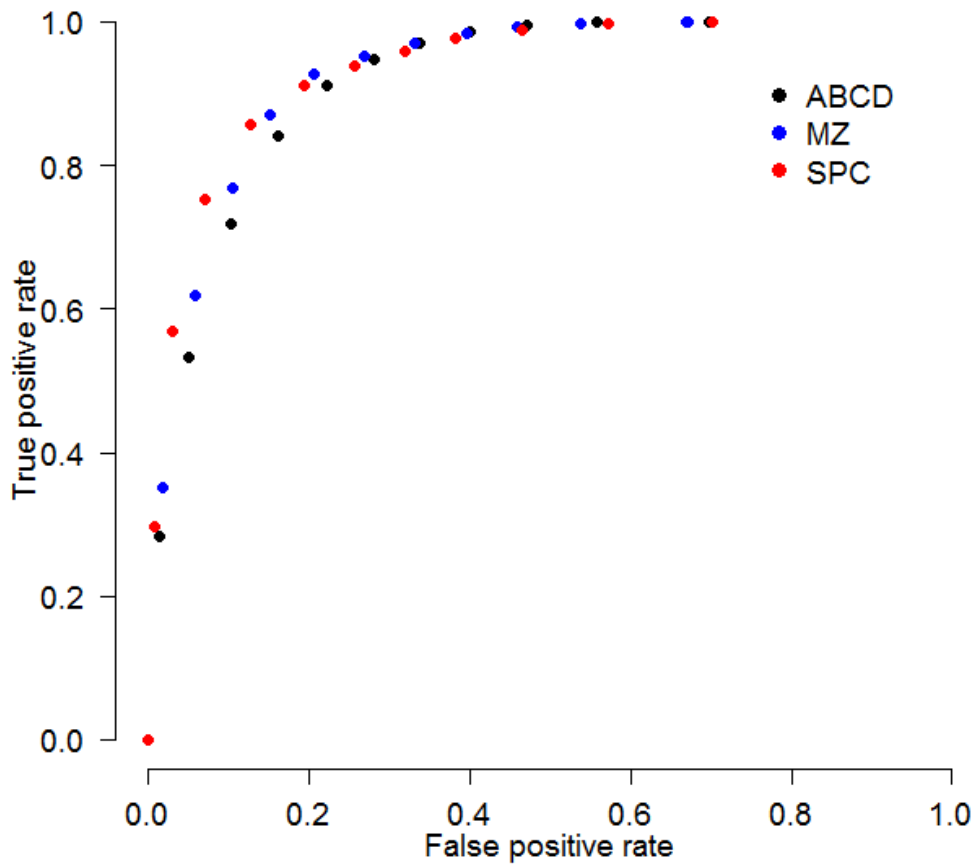
eFigure 3. Effect of Increasing Group Size for Menzies Method

With increasing group size, (A) the true positive rate increases, whereas (B) the false positive rate decreases. Shown are means (\pm SEM). The horizontal lines represent the average individual true and false positive rate. Data are based on the Menzies method (MZ) (Study 1).



eFigure 4. Effect of Increasing Group Size for 7-Point Checklist

With increasing group size, (A) the true positive rate increases, whereas (B) the false positive rate decreases. Shown are means (\pm SEM). The horizontal lines represent the average individual true and false positive rate. Data are based on the 7-point checklist (SPC) (Study 1).



eFigure 5. ROC Curves When Varying the Quorum Threshold

Each point is obtained by setting a different quorum threshold, starting at 0 with increments of 0.05 up to 1. Data are shown for the ABCD-rule (ABCD), Menzies method (MZ) and seven-point-checklist (SPC). Data are based on a group size of 11 and 2,000 repetitions per group size per diagnostic algorithm.