**Additional file 5: Results of sensitivity for association between MOREOB implementation and two primary study outcomes**

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| --- | --- |
| **Outcome** | **Sensitivity model\*** |
|  | **Does not account for between-hospital heterogeneity** | **Accounts for between-hospital heterogeneity** |
| **mAOI, OR (95% CI)** | 1.17 (1.10 to 1.25)\*\* | 1.13 (0.96 to 1.33) |
| **WAOS, mean change (95% CI)** | 0.50 (0.02 to 0.99)\*\* | 0.36 (-0.25 to 0.97) |

**\***Sensitivity analysis: time is modeled as a categorical variable rather than continuously, using restricted cubic spline, as was done in the main analysis.

\*\*p<0.05