Supplemental Table 1. Sensitivity analysis of the effect of an unmeasured confounder on the association between MOCA Minute registration and license actions.

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| ***Prevalence of unmeasured confounder = 5%*** |
|  | **Confounder association with license actions (odds ratio)** |
| **1.5** | **2.0** | **2.5** | **3.0** | **3.5** | **4.0** |
| **Confounder association with not registering for MOCA Minute (odds ratio)** | **1.5** | 3.20 (2.32-4.35) | 3.17 (2.29-4.31) | 3.15 (2.28-4.29) | 3.13 (2.26-4.26) | 3.11 (2.24-4.23) | 3.09 (2.23-4.21) |
| **2.0** | 3.17 (2.29-4.31) | 3.12 (2.25-4.25) | 3.06 (2.21-4.17) | 3.02 (2.18-4.12) | 2.98 (2.15-4.06) | 2.94 (2.12-4.02) |
| **2.5** | 3.14 (2.27-4.28) | 3.06 (2.21-4.17) | 2.99 (2.15-4.08) | 2.93 (2.11-4.00) | 2.87 (2.07-3.92) | 2.82 (2.03-3.86) |
| **3.0** | 3.13 (2.25-4.26) | 3.02 (2.18-4.13) | 2.93 (2.11-4.00) | 2.85 (2.05-3.90) | 2.79 (2.01-3.82) | 2.73 (1.96-3.74) |
| **3.5** | 3.10 (2.23-4.23) | 2.98 (2.14-4.07) | 2.88 (2.07-3.95) | 2.78 (2.00-3.81) | 2.70 (1.94-3.70) | 2.64 (1.89-3.62) |
| **4.0** | 3.07 (2.20-4.20) | 2.96 (2.12-4.05) | 2.83 (2.03-3.88) | 2.73 (1.96-3.75) | 2.64 (1.89-3.63) | 2.55 (1.82-3.51) |
| ***Prevalence of unmeasured confounder = 10%*** |
|  | **Confounder association with license actions (odds ratio)** |
| **1.5** | **2.0** | **2.5** | **3.0** | **3.5** | **4.0** |
| **Confounder association with not registering for MOCA Minute (odds ratio)** | **1.5** | 3.17 (2.29-4.32) | 3.13 (2.26-4.25) | 3.09 (2.23-4.21) | 3.05 (2.20-4.15) | 3.02 (2.18-4.11) | 2.99 (2.16-4.07) |
| **2.0** | 3.13 (2.26-4.26) | 3.03 (2.18-4.13) | 2.96 (2.14-4.04) | 2.89 (2.08-3.94) | 2.83 (2.04-3.86) | 2.78 (2.00-3.79) |
| **2.5** | 3.09 (2.22-4.21) | 2.96 (2.13-4.04) | 2.84 (2.04-3.88) | 2.76 (1.99-3.77) | 2.67 (1.92-3.65) | 2.61 (1.88-3.58) |
| **3.0** | 3.03 (2.18-4.14) | 2.88 (2.07-3.94) | 2.75 (1.97-3.76) | 2.65 (1.90-3.63) | 2.55 (1.83-3.50) | 2.48 (1.78-3.40) |
| **3.5** | 3.02 (2.17-4.13) | 2.82 (2.02-3.86) | 2.68 (1.92-3.68) | 2.54 (1.82-3.50) | 2.46 (1.76-3.38) | 2.36 (1.69-3.25) |
| **4.0** | 2.96 (2.12-4.07) | 2.78 (1.99-3.82) | 2.61 (1.87-3.60) | 2.48 (1.77-3.41) | 2.36 (1.69-3.26) | 2.27 (1.62-3.13) |
| ***Prevalence of unmeasured confounder = 20%*** |
|  | **Confounder association with license actions (odds ratio)** |
| **1.5** | **2.0** | **2.5** | **3.0** | **3.5** | **4.0** |
| **Confounder association with not registering for MOCA Minute (odds ratio)** | **1.5** | 3.14 (2.27-4.27) | 3.06 (2.21-4.17) | 3.01 (2.17-4.10) | 2.98 (2.15-4.05) | 2.92 (2.11-3.98) | 2.89 (2.08-3.94) |
| **2.0** | 3.06 (2.21-4.18) | 2.93 (2.11-4.00) | 2.83 (2.04-3.86) | 2.75 (1.98-3.75) | 2.68 (1.93-3.66) | 2.63 (1.89-3.59) |
| **2.5** | 3.00 (2.16-4.10) | 2.83 (2.04-3.87) | 2.70 (1.94-3.69) | 2.60 (1.87-3.55) | 2.52 (1.81-3.44) | 2.44 (1.75-3.34) |
| **3.0** | 2.94 (2.11-4.02) | 2.73 (1.96-3.74) | 2.59 (1.86-3.55) | 2.48 (1.78-3.40) | 2.37 (1.70-3.25) | 2.30 (1.65-3.15) |
| **3.5** | 2.89 (2.07-3.98) | 2.67 (1.91-3.67) | 2.50 (1.79-3.44) | 2.37 (1.70-3.26) | 2.26 (1.62-3.11) | 2.18 (1.56-3.00) |
| **4.0** | 2.88 (2.06-3.96) | 2.61 (1.86-3.59) | 2.43 (1.74-3.34) | 2.29 (1.63-3.15) | 2.17 (1.55-2.99) | 2.09 (1.50-2.88) |

In the logistic regression, the odds ratio of the association between not registering for MOCA Minute and license actions was 3.24 (95% confidence interval [CI], 2.34-4.40) after adjusting for sex and medical school country. Reported in the table are the estimated odds ratios (with 95% CIs in the parentheses) of this association with additional adjustment for the (simulated) unmeasured confounder. These estimates were averaged over 20 repeated processes for each simulation.

Supplemental Table 2. Sensitivity analysis of the effect of an unmeasured confounder on the association between meeting MOCA Minute standard and license actions.

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| ***Prevalence of unmeasured confounder = 5%*** |
|  | **Confounder association with license actions (odds ratio)** |
| **1.5** | **2.0** | **2.5** | **3.0** | **3.5** | **4.0** |
| **Confounder association with not meeting MOCA Minute standard (odds ratio)** | **1.5** | 1.94 (1.35-2.73) | 1.92 (1.34-2.70) | 1.91 (1.33-2.68) | 1.90 (1.32-2.66) | 1.88 (1.31-2.64) | 1.87 (1.30-2.63) |
| **2.0** | 1.93 (1.34-2.71) | 1.89 (1.32-2.66) | 1.86 (1.29-2.61) | 1.83 (1.27-2.57) | 1.80 (1.25-2.54) | 1.78 (1.23-2.50) |
| **2.5** | 1.90 (1.32-2.68) | 1.87 (1.30-2.63) | 1.82 (1.26-2.56) | 1.78 (1.24-2.51) | 1.75 (1.21-2.47) | 1.72 (1.19-2.42) |
| **3.0** | 1.89 (1.32-2.67) | 1.84 (1.28-2.59) | 1.78 (1.23-2.51) | 1.74 (1.21-2.46) | 1.69 (1.17-2.40) | 1.64 (1.14-2.33) |
| **3.5** | 1.89 (1.31-2.66) | 1.82 (1.26-2.57) | 1.75 (1.21-2.47) | 1.71 (1.18-2.42) | 1.65 (1.14-2.34) | 1.60 (1.10-2.27) |
| **4.0** | 1.88 (1.30-2.66) | 1.79 (1.24-2.54) | 1.73 (1.19-2.45) | 1.66 (1.15-2.36) | 1.62 (1.11-2.30) | 1.56 (1.08-2.22) |
| ***Prevalence of unmeasured confounder = 10%*** |
|  | **Confounder association with license actions (odds ratio)** |
| **1.5** | **2.0** | **2.5** | **3.0** | **3.5** | **4.0** |
| **Confounder association with not meeting MOCA Minute standard (odds ratio)** | **1.5** | 1.92 (1.34-2.70) | 1.90 (1.32-2.66) | 1.87 (1.30-2.62) | 1.84 (1.28-2.59) | 1.82 (1.27-2.56) | 1.80 (1.25-2.54) |
| **2.0** | 1.90 (1.32-2.67) | 1.84 (1.28-2.59) | 1.79 (1.25-2.53) | 1.75 (1.21-2.46) | 1.71 (1.18-2.41) | 1.67 (1.16-2.36) |
| **2.5** | 1.87 (1.30-2.63) | 1.80 (1.25-2.53) | 1.73 (1.20-2.44) | 1.67 (1.16-2.36) | 1.62 (1.12-2.29) | 1.58 (1.09-2.23) |
| **3.0** | 1.85 (1.28-2.62) | 1.76 (1.22-2.49) | 1.67 (1.15-2.36) | 1.62 (1.12-2.29) | 1.55 (1.07-2.20) | 1.50 (1.04-2.13) |
| **3.5** | 1.82 (1.26-2.58) | 1.71 (1.18-2.43) | 1.63 (1.12-2.31) | 1.57 (1.08-2.23) | 1.50 (1.03-2.13) | 1.44 (0.99-2.05) |
| **4.0** | 1.81 (1.25-2.57) | 1.68 (1.16-2.39) | 1.58 (1.09-2.25) | 1.50 (1.03-2.14) | 1.44 (0.99-2.05) | 1.39 (0.96-1.99) |
| ***Prevalence of unmeasured confounder = 20%*** |
|  | **Confounder association with license actions (odds ratio)** |
| **1.5** | **2.0** | **2.5** | **3.0** | **3.5** | **4.0** |
| **Confounder association with not meeting MOCA Minute standard (odds ratio)** | **1.5** | 1.90 (1.32-2.67) | 1.85 (1.29-2.61) | 1.82 (1.27-2.56) | 1.78 (1.24-2.51) | 1.76 (1.22-2.48) | 1.74 (1.21-2.45) |
| **2.0** | 1.86 (1.29-2.61) | 1.78 (1.24-2.51) | 1.71 (1.19-2.40) | 1.66 (1.15-2.34) | 1.62 (1.12-2.28) | 1.59 (1.10-2.24) |
| **2.5** | 1.83 (1.27-2.58) | 1.72 (1.19-2.42) | 1.64 (1.13-2.31) | 1.56 (1.08-2.21) | 1.51 (1.05-2.14) | 1.47 (1.02-2.08) |
| **3.0** | 1.79 (1.24-2.54) | 1.66 (1.15-2.35) | 1.57 (1.09-2.23) | 1.49 (1.03-2.12) | 1.44 (0.99-2.03) | 1.39 (0.96-1.97) |
| **3.5** | 1.76 (1.21-2.50) | 1.62 (1.12-2.31) | 1.52 (1.05-2.16) | 1.44 (0.99-2.05) | 1.37 (0.95-1.95) | 1.32 (0.91-1.88) |
| **4.0** | 1.75 (1.20-2.49) | 1.59 (1.09-2.27) | 1.48 (1.02-2.11) | 1.38 (0.95-1.97) | 1.32 (0.91-1.88) | 1.26 (0.87-1.80) |

In the logistic regression, the odds ratio of the association between not meeting MOCA Minute standard and license actions was 1.96 (95% confidence interval [CI], 1.37-2.76) after adjusting for sex and medical school country. Reported in the table are the estimated odds ratios (with 95% CIs in the parentheses) of this association with additional adjustment for the (simulated) unmeasured confounder. These estimates were averaged over 20 repeated processes for each simulation.