

**Table S3. Yearly Comparison of Exercises (*P* values)**

		OR 95% CI P	OR 95% CI P	OR 95% CI P	OR 95% CI P	OR 95% CI P	OR 95% CI P	OR 95% CI P	OR 95% CI P	OR 95% CI P
<b>Exercises</b>		Getting to Know Who?	Colour Blind™	Ward Rounds at Jefferson County Medical Center	Crisis on Flight 1974	Williams Medical Center	Mission to Burundi	Pediatric Surgery Scramble	Name Game	Get to your Spot
<i>Getting to Know Who?</i>	2007	-	<b>2.75</b> (1.71 – 4.43) <b>&lt;0.001</b>	<b>7.61</b> (4.11 – 14.08) <b>&lt; 0.001</b>	0.71 (0.37 – 1.36) 0.303	0.91 (0.49 – 1.66) 0.748	0.94 (0.50 – 1.74) 0.835	-	-	-
	2008	-	<b>3.92</b> (2.36 – 6.51) <b>&lt; 0.001</b>	<b>9.54</b> (5.46 – 16.68) <b>&lt; 0.001</b>	<b>3.33</b> (1.93 – 5.76) <b>&lt; 0.001</b>	1.87 (1.04 – 3.34) 0.036	1.03 (0.62 – 1.69) 0.916	-	-	-
	2009	-	<b>6.36</b> (3.80 – 10.65) <b>&lt; 0.001</b>	<b>9.48</b> (5.57 – 16.12) <b>&lt; 0.001</b>	<b>4.98</b> (2.84 – 8.75) <b>&lt; 0.001</b>	<b>1.87</b> (1.01 – 3.45) <b>0.045</b>	-	<b>3.06</b> (1.75 – 5.35) <b>&lt; 0.001</b>	-	-

<i>Name Game</i>	2010		<b>7.06</b> <i>(4.32 – 11.52)</i> <b>&lt; 0.001</b>	<b>7.62</b> <i>(4.24 – 13.69)</i> <b>&lt; 0.001</b>	<b>3.18</b> <i>(1.72 – 5.90)</i> <b>&lt;0.001</b>	1.10 (0.58 – 2.07) 0.776	–	<b>3.04</b> <i>(1.60 – 5.75)</i> <b>0.001</b>	–	<b>0.31</b> <i>(0.19 – 0.52)</i> <b>&lt; 0.001</b>
<i>Get to your Spot</i>	2010	–	<b>22.66</b> <i>(12.92 – 39.75)</i> <b>&lt; 0.001</b>	<b>24.47</b> <i>(12.82 – 46.72)</i> <b>&lt; 0.001</b>	<b>10.23</b> <i>(5.21 – 20.07)</i> <b>&lt; 0.001</b>	<b>3.52</b> <i>(1.77 – 7.02)</i> <b>&lt; 0.001</b>	–	<b>9.75</b> <i>(4.87 – 19.53)</i> <b>&lt; 0.001</b>	<b>3.21</b> <i>(1.91 – 5.39)</i> <b>&lt; 0.001</b>	–
<i>Colour Blind™</i>	2007	<b>0.36</b> <i>(0.23 – 0.59)</i> <b>&lt; 0.001</b>	–	<b>2.77</b> <i>(1.53 – 5.03)</i> <b>0.001</b>	<b>0.26</b> <i>(0.14 – 0.49)</i> <b>&lt; 0.001</b>	<b>0.33</b> <i>(0.18 – 0.59)</i> <b>&lt; 0.001</b>	<b>0.34</b> <i>(0.19 – 0.62)</i> <b>&lt; 0.001</b>	–	–	–
	2008	<b>0.25</b> <i>(0.15 – 0.42)</i> <b>&lt; 0.001</b>	–	<b>2.43</b> <i>(1.34 – 4.42)</i> <b>0.004</b>	0.85 (0.47 – 1.53) 0.588	<b>0.48</b> <i>(0.25 – 0.89)</i> <b>0.020</b>	<b>0.26</b> <i>(0.15 – 0.45)</i> <b>&lt; 0.001</b>	–	–	–
	2009	<b>0.16</b> <i>(0.09 – 0.26)</i> <b>&lt; 0.001</b>	–	1.49 (0.86 – 2.59) 0.157	0.78 (0.44 – 1.41) 0.414	<b>0.29</b> <i>(0.16 – 0.56)</i> <b>&lt; 0.001</b>	–	<b>0.48</b> <i>(0.27 – 0.86)</i> <b>0.014</b>	–	–
	2010	–	–	1.08 (0.58 – 1.99) 0.806	<b>0.45</b> <i>(0.24 – 0.86)</i> <b>0.015</b>	<b>0.16</b> <i>(0.08 – 0.30)</i> <b>&lt; 0.001</b>	–	<b>0.43</b> <i>(0.22 – 0.84)</i> <b>0.013</b>	<b>0.14</b> <i>(0.09 – 0.23)</i> <b>&lt; 0.001</b>	<b>0.04</b> <i>(0.03 – 0.08)</i> <b>&lt; 0.001</b>

<i>Ward Rounds at Jefferson County Medical Center</i>	2007	<b>0.13</b> <i>(0.07 – 0.24)</i> <b>&lt; 0.001</b>	<b>0.36</b> <i>(0.20 – 0.66)</i> <b>0.001</b>	–	<b>0.09</b> <i>(0.05 – 0.16)</i> <b>&lt; 0.001</b>	<b>0.12</b> <i>(0.07 – 0.20)</i> <b>&lt; 0.001</b>	<b>0.12</b> <i>(0.07 – 0.21)</i> <b>&lt; 0.001</b>	–	–	–
	2008	<b>0.10</b> <i>(0.06 – 0.18)</i> <b>&lt; 0.001</b>	<b>0.41</b> <i>(0.23 – 0.75)</i> <b>0.004</b>	–	<b>0.35</b> <i>(0.20 – 0.62)</i> <b>&lt; 0.001</b>	<b>0.20</b> <i>(0.11 – 0.36)</i> <b>&lt; 0.001</b>	<b>0.11</b> <i>(0.06 – 0.18)</i> <b>&lt; 0.001</b>	–	–	–
	2009	<b>0.11</b> <i>(0.06 – 0.18)</i> <b>&lt; 0.001</b>	0.67 <i>(0.39 – 1.17)</i> 0.157	–	<b>0.53</b> <i>(0.31 – 0.89)</i> <b>0.016</b>	<b>0.20</b> <i>(0.11 – 0.35)</i> <b>&lt; 0.001</b>	–	<b>0.32</b> <i>(0.19 – 0.54)</i> <b>&lt; 0.001</b>	–	–
	2010	–	0.93 <i>(0.50 – 1.71)</i> 0.806	–	<b>0.42</b> <i>(0.24 – 0.72)</i> <b>0.002</b>	<b>0.14</b> <i>(0.08 – 0.26)</i> <b>&lt; 0.001</b>	–	<b>0.40</b> <i>(0.23 – 0.70)</i> <b>0.001</b>	<b>0.13</b> <i>(0.07 – 0.24)</i> <b>&lt; 0.001</b>	<b>0.04</b> <i>(0.02 – 0.08)</i> <b>&lt; 0.001</b>
<i>Crisis on Flight 1974</i>	2007	1.41 <i>(0.73 – 2.70)</i> 0.303	<b>3.87</b> <i>(2.05 – 7.31)</i> <b>&lt; 0.001</b>	<b>10.71</b> <i>(6.18 – 18.56)</i> <b>&lt; 0.001</b>	–	1.28 <i>(0.73 – 2.24)</i> 0.397	1.32 <i>(0.76 – 2.28)</i> 0.323	–	–	–
	2008	<b>0.30</b> <i>(0.71- 0.52)</i> <b>&lt; 0.001</b>	1.18 <i>(0.65 – 2.12)</i> 0.588	<b>2.86</b> <i>(1.61 – 5.08)</i> <b>&lt; 0.001</b>	–	<b>0.56</b> <i>(0.34 – 0.92)</i> <b>0.021</b>	<b>0.31</b> <i>(0.19 – 0.49)</i> <b>&lt; 0.001</b>	–	–	–

	2009	<b>0.20</b> <i>(0.11 – 0.35)</i> <b>&lt; 0.001</b>	1.28 <i>(0.71 – 2.29)</i> 0.414	<b>1.90</b> <i>(1.13 – 3.21)</i> <b>0.016</b>	–	<b>0.38</b> <i>(0.23 – 0.61)</i> <b>&lt; 0.001</b>	–	<b>0.61</b> <i>(0.37 – 1.01)</i> <b>0.054</b>	–	–
	2010	–	<b>2.22</b> <i>(1.17 – 4.21)</i> <b>0.015</b>	<b>2.39</b> <i>(1.38 – 4.14)</i> <b>0.002</b>	–	<b>0.34</b> <i>(0.19 – 0.61)</i> <b>&lt; 0.001</b>	–	0.95 <i>(0.53 – 1.71)</i> 0.872	<b>0.31</b> <i>(0.71 – 0.58)</i> <b>&lt; 0.001</b>	<b>0.10</b> <i>(0.05 – 0.19)</i> <b>&lt; 0.001</b>
<i>Williams Medical Center</i>	2007	1.10 <i>(0.60 – 2.02)</i> 0.748	<b>3.03</b> <i>(1.68 – 5.47)</i> <b>&lt; 0.001</b>	<b>8.40</b> <i>(4.99 – 14.15)</i> <b>&lt; 0.001</b>	0.78 <i>(0.45 – 1.38)</i> 0.397	–	1.03 <i>(0.60 – 1.77)</i> 0.904	–	–	–
	2008	<b>0.54</b> <i>(0.30 – 0.96)</i> <b>0.036</b>	<b>2.10</b> <i>(1.12 – 3.94)</i> <b>0.020</b>	<b>5.12</b> <i>(2.81 – 9.31)</i> <b>&lt; 0.001</b>	<b>1.79</b> <i>(1.09 – 2.93)</i> <b>0.021</b>	–	0.55 <i>(0.35 – 0.88)</i> 0.12	–	–	–
	2009	<b>0.53</b> <i>(0.29 – 0.99)</i> <b>0.045</b>	<b>3.40</b> <i>(1.80 – 6.42)</i> <b>&lt; 0.001</b>	<b>5.07</b> <i>(2.87 – 8.93)</i> <b>&lt; 0.001</b>	<b>2.66</b> <i>(1.64 – 4.33)</i> <b>&lt; 0.001</b>	–	–	1.64 <i>(0.97 – 2.77)</i> 0.066	–	–
	2010		<b>6.44</b> <i>(3.30 – 12.54)</i> <b>&lt; 0.001</b>	<b>6.95</b> <i>(3.87 – 12.49)</i> <b>&lt; 0.001</b>	<b>2.90</b> <i>(1.64 – 5.15)</i> <b>&lt; 0.001</b>	–	–	<b>2.77</b> <i>(1.50 – 5.10)</i> <b>0.001</b>	0.91 <i>(0.48 – 1.72)</i> 0.776	<b>0.28</b> <i>(0.14 – 0.57)</i> <b>&lt; 0.001</b>

<i>Mission to Burundi</i>	2007	1.07 (0.57 – 1.99) 0.835	<b>2.93</b> <b>(1.61 – 5.35)</b> <b>&lt; 0.001</b>	<b>8.13</b> <b>(4.86 – 13.58)</b> <b>&lt; 0.001</b>	0.76 (0.44 – 1.31) 0.323	0.97 (0.56 – 1.66) 0.904	–	–	–	–
	2008	0.97 (0.59 – 1.60) 0.916	<b>3.82</b> <b>(2.21 – 6.60)</b> <b>&lt; 0.001</b>	<b>9.29</b> <b>(5.48 – 15.76)</b> <b>&lt; 0.001</b>	<b>3.25</b> <b>(2.03 – 5.19)</b> <b>&lt; 0.001</b>	<b>1.82</b> <b>(1.14 – 2.89)</b> <b>0.012</b>	–	–	–	–
<i>Pediatric Surgery Scramble</i>	2009	<b>0.33</b> <b>(0.19 – 0.57)</b> <b>&lt; 0.001</b>	<b>2.08</b> <b>(1.16 – 3.73)</b> <b>0.014</b>	<b>3.10</b> <b>(1.85 – 5.17)</b> <b>&lt; 0.001</b>	<b>1.63</b> <b>(0.99 – 2.67)</b> <b>0.054</b>	0.61 (0.36 – 1.03) 0.066	–	–	–	–
	2010	–	<b>2.32</b> <b>(1.20 – 4.52)</b> <b>0.013</b>	<b>2.51</b> <b>(1.42 – 4.43)</b> <b>0.001</b>	1.05 (0.59 – 1.88) 0.872	<b>0.36</b> <b>(0.20 – 0.66)</b> <b>0.001</b>	–	–	<b>0.33</b> <b>(0.17 – 0.62)</b> <b>0.001</b>	<b>0.10</b> <b>(0.05 – 0.21)</b> <b>&lt; 0.001</b>

Yearly exercise comparisons. An ordinal (proportional odds) logistic regression model was estimated, along with its robust standard errors, to characterize the association between scores and exercises while adjusting for year and exercise order. Linear combinations of estimates were calculated to summarize exercise differences by year. The scores that were statistically significant have been italicized in the table.