

Table A2

True mean differences (PI_{DIFF}) and Impact of non-invariant Items on latent (ES_{SI-PI} ; white) and composite (ES_{PI-ALL} , ES_{PI-RES} , grey) mean differences

Disease group		Ortho	Rheu	Asthma	COPD	Cancer	
Health-directed behavior							
Ortho			<0.01	0.01	0.10	0.09	ES_{PI-ALL}
			a	a	<0.01	a	ES_{PI-RED}
Rheu	PI_{Diff}	-0.15		<0.01	0.10	0.10	ES_{PI-ALL}
	ES_{SI-PI}	>-0.01		a	0.011	a	ES_{PI-RED}
Asthma	PI_{Diff}	-0.01	0.139		0.08	0.10	ES_{PI-ALL}
	ES_{SI-PI}	>-0.01	0.000		0.01	a	ES_{PI-RED}
COPD	PI_{Diff}	0.20	0.36	0.18		0.19	ES_{PI-ALL}
	ES_{SI-PI}	0.11	0.12	0.10		0.15	ES_{PI-RED}
Cancer	PI_{Diff}	-0.68	-0.55	0.69	-0.89		
	ES_{SI-PI}	>-0.01	>-0.01	>-0.01	-0.12		
Constructive attitudes and approaches							
Ortho			0.03	0.02	0.01	0.02	ES_{PI-ALL}
			<0.01	a	0.03	a	ES_{PI-RED}
Rheu	PI_{Diff}	0.31		0.01	0.02	0.01	ES_{PI-ALL}
	ES_{SI-PI}	-0.05		0.01	0.02	0.08	ES_{PI-RED}
Asthma	PI_{Diff}	-0.24	-0.54		0.01	0.01	ES_{PI-ALL}
	ES_{SI-PI}	0.00	-0.05		0.01	a	ES_{PI-RED}
COPD	PI_{Diff}	0.02	-0.33	0.19		0.02	ES_{PI-ALL}
	ES_{SI-PI}	0.01	0.01	-0.03		0.05	ES_{PI-RED}
Cancer	PI_{Diff}	-0.32	-0.64	-0.07	-0.30		
	ES_{SI-PI}	0.00	0.05	0.00	0.04		
Emotional distress							
Ortho			0.04	0.01	<0.01	0.08	ES_{PI-ALL}
			0.03	0.02	0.01	0.011	ES_{PI-RED}
Rheu	PI_{Diff}	-0.69		0.06	0.03	0.03	ES_{PI-ALL}
	ES_{SI-PI}	0.01		a	a	0.02	ES_{PI-RED}
Asthma	PI_{Diff}	0.13	0.83		0.01	0.01	ES_{PI-ALL}
	ES_{SI-PI}	<0.01	< -0.01		a	0.01	ES_{PI-RED}
COPD	PI_{Diff}	-0.43	0.26	-0.49		0.07	ES_{PI-ALL}
	ES_{SI-PI}	0.01	0.000	<0.01		0.04	ES_{PI-RED}
Cancer	PI_{Diff}	0.01	0.80	-0.04	0.53		
	ES_{SI-PI}	-0.06	-0.06	-0.07	-0.06		
Skill and technique acquisition							

Ortho			<0.01	0.14	0.07	0.02	ES_{PI-ALL}
			0.02	0.06	0.03	0.02	ES_{PI-RED}
Rheu	PI_{Diff}	0.20		0.14	0.06	0.02	ES_{PI-ALL}
	ES_{SI-PI}	< -0.01		0.80	0.02	^a	ES_{PI-RED}
Asthma	PI_{Diff}	-0.50	-0.69		0.05	0.09	ES_{PI-ALL}
	ES_{SI-PI}	-0.03	0.02		0.09	0.02	ES_{PI-RED}
COPD	PI_{Diff}	-0.20	-0.39	0.23		0.05	ES_{PI-ALL}
	ES_{SI-PI}	-0.02	-0.04	0.00		0.07	ES_{PI-RED}
Cancer	PI_{Diff}	-0.47	-0.67	0.00	-0.25		
	ES_{SI-PI}	< -0.01	0.00	0.00	0.02		
Health-Service Navigation							
Ortho			0.00	0.14	0.16	0.14	ES_{PI-ALL}
			^a	0.07	0.09	0.03	ES_{PI-RED}
Rheu	PI_{Diff}	0.25		0.14	0.15	0.14	ES_{PI-ALL}
	ES_{SI-PI}	< -0.01		0.02	0.04	0.02	ES_{PI-RED}
Asthma	PI_{Diff}	-0.06	-0.31		0.01	0.01	ES_{PI-ALL}
	ES_{SI-PI}	0.13	0.12		0.01	0.06	ES_{PI-RED}
COPD	PI_{Diff}	-0.07	-0.31	-0.01		0.03	ES_{PI-ALL}
	ES_{SI-PI}	0.13	0.12	-0.02		0.07	ES_{PI-RED}
Cancer	PI_{Diff}	-0.48	-0.72	-0.42	-0.41		
	ES_{SI-PI}	0.15	0.14	0.01	0.01		

Notes: Ortho: orthopedic condition; Rheu: rheumatism; PI_{Diff}: Estimations of latent mean differences in partial invariance models; ES_{SI-PI}: Difference between estimations of latent mean differences between strict and partial invariance models; ES_{PI-ALL}: Difference between latent mean differences in partial invariance models and composite mean differences using all items of a scale; ES_{PI-RED}: Difference between latent mean differences in partial invariance models and composite mean differences using only items with pairwise non-invariant parameters; ^a no item with DIF between groups