

Appendix E

Mean Knowledge Ratings and Standard Deviations by All Respondents

Section 2: Knowledge

Domain 1: General Knowledge of Body Systems--Rate the importance of knowledge statements 1 to 13 separately for Anatomy, Physiology, and Pathology using the three rating scales provided below.

		Anatomy		Physiology		Pathology	
		Mean	SD	Mean	SD	Mean	SD
Knowledge of:							
1	integumentary system (skin)	3.26	0.83	3.26	0.82	3.72	0.56
2	skeletal system	3.69	0.51	3.59	0.60	3.52	0.68
3	muscular system	3.88	0.35	3.82	0.43	3.75	0.51
4	nervous system	3.33	0.73	3.44	0.67	3.40	0.70
5	endocrine system	2.84	0.87	2.98	0.83	3.05	0.86
6	cardiovascular system	3.27	0.77	3.38	0.70	3.42	0.73
7	lymphatic system	3.34	0.76	3.42	0.69	3.43	0.74
8	urinary system	2.58	0.95	2.69	0.92	2.82	0.95
9	respiratory system	3.09	0.78	3.19	0.75	3.24	0.75
10	gastrointestinal system	2.88	0.86	2.92	0.85	3.03	0.86
11	reproductive system	2.50	0.97	2.55	0.97	2.70	0.99
12	energetic systems	2.67	1.06	2.70	1.07	2.67	1.10
13	meridian system	2.53	1.12	2.54	1.13	2.53	1.14
						Mean	SD
14	How well does the knowledge in Domain 1 cover important aspects of General Knowledge of Body Systems? 1 Very Poorly 2 Poorly 3 Adequately 4 Well 5 Very Well					4.33	0.74

Rating Scale:

0=Of no importance 1=Of little importance

2=Of moderate importance 3=Important 4=Very Important

APPENDIX E: MEAN KNOWLEDGE RATINGS AND STANDARD DEVIATIONS BY ALL RESPONDENTS

	Mean	SD
Domain 2: Anatomy, Physiology, and Kinesiology		
A. Anatomy (includes structure and/or location)		
Knowledge of:		
15	3.11	0.91
16	3.75	0.51
17	3.66	0.61
18	3.51	0.67
19	3.44	0.70
20	3.45	0.67
21	3.45	0.67
22	3.34	0.73
23	3.05	0.82
24	2.69	0.90
25	2.79	1.07
26	2.95	1.09
27	2.92	1.10
B. Physiology (function)		
Knowledge of:		
28	3.55	0.63
29	3	0.9
30	2.72	1.11
31	2.82	1.1
32	2.96	1.1
33	2.82	1.14

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	Mean	SD
C. Kinesiology (movement)		
Knowledge of:		
34	3.72	0.53
35	3.2	0.83
36	3.55	0.63
37	3.39	0.73
38	3.11	0.86
39	4.23	0.79
1 Very Poorly 2 Poorly 3 Adequately 4 Well 5 Very Well		
 Domain 3: Pathology		
(Note: Disease refers to any abnormal or unhealthy state of the body including injuries.)		
Knowledge of:		
40	3.16	0.77
41	2.87	0.86
42	3.67	0.61
43	3.43	0.68
44	3.25	0.7
45	2.9	0.8
46	3.22	0.77
47	3.24	0.74
48	3.21	0.76
49	3.81	0.46
50	3.51	0.64
51	3.37	0.73

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		Mean	SD
Basic pharmacology (Knowledge statements 52-55):			
52	--prescription medications	2.59	0.93
53	--recreational drugs (e.g., tobacco, alcohol)	2.61	0.9
54	--herbs	2.46	0.92
55	--natural supplements	2.40	0.92
56	approaches used in Western medicine by other health professionals	2.73	0.89
57	approaches used in Asian medicine by other health professionals	2.45	0.96
58	How well does the knowledge in Domain 3 cover important aspects of Pathology?	4	0.85
1 Very Poorly 2 Poorly 3 Adequately 4 Well 5 Very Well			
Domain 4: Therapeutic Massage and Bodywork Assessment			
Knowledge of/skill in:			
Assessment methods (Knowledge/skill statements 59-64):			
59	--visual	3.38	0.7
60	--palpatory	3.69	0.53
61	--auditory	3	0.89
62	--olfactory	2.52	1.02
63	--energetic	2.69	1.06
64	--intuitive	3.06	0.99
65	assessing range of motion	3.42	0.73
Assessment areas (Knowledge/skill statements 66-80):			
66	--soft tissues and bony landmarks	3.69	0.56
67	--endangerment sites	3.81	0.49
68	--trigger points	3.28	0.77
69	--adhesions	3.27	0.74
70	--energy blockages	2.31	1.05
71	--energy channel blockage (Asian)	2.31	1.03
72	--hara diagnosis	2.31	1.08

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	Mean	SD
73 --longitudinal currents		1.06
74 --East-West currents		1.07
75 --chakras		1.11
76 --auric field		1.07
77 --circulatory pulse		1.08
78 --energetic pulse		1.09
79 --craniosacral pulses		1.1
80 --lymphatic flow	2.82	0.94
81 somatic (physical body) holding patterns (e.g., guarding, muscle/fascial memory)	3.03	0.87
82 posture analysis	3.18	0.77
83 structural and functional integration	3.09	0.84
84 ergonomic factors	2.96	0.9
85 effects of gravity	2.69	1
Proprioception (e.g., awareness of body's position and movement through space) (Knowledge/skill statements 86 - 87):		
86 --position	2.94	0.93
87 --movement	3.01	0.89
88 five elements (e.g., fire, earth, wood, metal, water)		1.14
89 How well do the knowledge/skills in Domain 4 cover important aspects of Therapeutic Massage and Bodywork Assessment? 1 Very Poorly 2 Poorly 3 Adequately 4 Well 5 Very Well	3.94	0.91

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	Mean	SD
Domain 5: Therapeutic Massage and Bodywork Application: Theory, Methods, and Techniques		
A. Theory		
Knowledge of/Skill in:		
Effects/benefits of massage/bodywork (Knowledge/skill statements 90-92):		
90	3.52	0.62
91	3.31	0.75
92	2.79	1.06
B. Methods and Techniques		
Knowledge of/Skill in:		
93	3.73	0.53
94	2.5	1.03
95	3.21	0.81
96	3.23	0.78
97	2.72	0.93
98	2.79	0.9
99	2.84	1.01
100	2.76	0.9
101	3.03	0.85
102	1.08	1.08
103	1.09	1.09
104	1.01	1.01

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		Mean	SD
Techniques/strokes (Knowledge/skill statements 105 - 122):			
105	--compression/palming	3.49	0.69
106	--cupping	2.8	1.04
107	--flicking	2.5	1.13
108	--friction	3.53	0.64
109	--gliding	3.54	0.72
110	--hair pulling	2.5	1.23
111	--hand rolling	2.63	1.06
112	--jostling	2.68	1.08
113	--kneading	3.6	0.62
114	--percussion	3.17	0.92
115	--pinching	2.5	1.3
116	--rocking	2.98	0.96
117	--shaking	2.58	1.15
118	--skin rolling	2.9	0.99
119	--torquing	2.5	1.18
120	--traction	2.96	1.02
121	--unwinding	2.51	1.14
122	--vibration	2.93	1.02
Stretching (Knowledge/skill statements 123 - 130):			
123	--active stretching	3.31	0.84
124	--passive stretching	3.4	0.76
125	--resisted stretching	3.19	0.92
126	--cross-directional stretching	3.02	0.96
127	--Proprioceptive Neuromuscular Facilitation (PNF)	2.89	1.05
128	--Muscle Energy Technique (MET)	2.59	1.08
129	--reciprocal inhibition	2.71	1.08
130	--Active Isolated Stretching (AIS)	2.82	1.05

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		Mean	SD
131	aromatherapy	2.72	1.03
132	spa techniques (e.g., salt glows, wraps)	2.85	1.1
133	topical analgesics	2.77	1.12
134	gauging pressure as appropriate	3.6	0.76
135	practitioner body mechanics	3.76	0.57
136	Standard Precautions	3.72	0.53
137	CPR/first aid	3.4	0.82
138	How well do the knowledge/skills in Domain 5 cover important aspects of Therapeutic Massage and Bodywork Application: Theory, Methods, and Techniques? 1 Very Poorly 2 Poorly 3 Adequately 4 Well 5 Very Well	4.26	0.82
Domain 6: Professional Standards, Ethics, Business and Legal Practices			
Knowledge of/Skill in:			
139	maintaining professional boundaries while responding to client's emotional needs	3.81	0.43
140	client interviewing techniques	3.5	0.6
141	communication with other health professionals	3.2	0.75
142	when to refer clients to other health professionals	3.51	0.63
143	verbal and nonverbal communication skills	3.58	0.59
144	NCBTMB Code of Ethics and Standards of Practice	3.67	0.59
145	issues of confidentiality	3.82	0.42
146	legal and ethical parameters of scope of practice	3.78	0.48
147	basic psychological and physical dynamics of practitioner/client relationship	3.56	0.61

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		Mean	SD
148	planning strategies for single and multiple sessions	3.14	0.77
149	session record keeping practices	3.34	0.72
150	basic business and accounting practices	3.29	0.74
151	outsourcing business needs (e.g., insurance billing, bookkeeping)	2.76	0.98
152	regulations pertaining to income reporting	3.28	0.77
153	need for liability insurance	3.55	0.73
154	professional affiliations (e.g., ABMP, AMTA, AOBTA)	3.06	0.94
155	state and local credentialing requirements	3.56	0.7
156	legal entities (e.g., independent contractor, employee)	3.23	0.87
157	How well do the knowledge/skills in Domain 6 cover important aspects of Professional Standards, Ethics, Business, and Legal Practices?	4.27	0.78

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