

Appendix Table B. Physician Assessors' Rating of Entrustable Professional Activities for Family Medicine End of Residency Training and Care Process Variables According to Length of Training

Characteristics	Assessor s of 3YR program graduate s (3YR)*	Assessors of 4YR program graduates (4YR– 36/48)**	Assessors of 4YR program graduates (4YR–48)***	3YR vs 4YR– 36/48	3YR vs 4YR–48
				<i>P</i> value <i>Effect size</i> ^a	<i>P</i> value <i>Effect size</i> ^a
Clinical professional activity characteristics					
Provides a usual source of comprehensive, longitudinal medical care for people of all ages, n (%)				.106 .142	.036 .166
Practicing independently, rarely requests assistance	106 (77.9)	120 (85.7)	96 (86.5)		
Practicing mostly independently, sometimes requests assistance	17 (12.5)	15 (10.7)	13 (11.7)		
Not practicing very independently, frequently requests assistance	0	0	0		
Cannot assess at this time	4 (2.9)	3 (2.1)	1 (0.9)		
Not done in practice	9 (6.6)	2 (1.4)	1 (0.9)		
Missing	6 (N/A)	1 (N/A)	1 (N/A)		
Cares for patients and families in multiple settings, n (%)				.314 .108	.419 .108
Practicing independently, rarely requests assistance	103 (75.7)	112 (80)	86 (77.5)		
Practicing mostly independently, sometimes requests assistance	8 (5.9)	11 (7.9)	10 (9)		
Not practicing very independently, frequently requests assistance	0	0	0		
Cannot assess at this time	11 (8.1)	5 (3.6)	4 (3.6)		
Not done in practice	14 (10.3)	12 (8.6)	11 (9.9)		
Missing	6 (N/A)	1 (N/A)	1 (N/A)		
Provides first-contact access to care for health issues and medical problems, n (%)				.629 .074	.422 .084

Practicing independently, rarely requests assistance	123 (90.4)	131 (93.6)	105 (94.6)		
Practicing mostly independently, sometimes requests assistance	7 (5.1)	5 (3.6)	4 (3.6)		
Not practicing very independently, frequently requests assistance	0	0	0		
Cannot assess at this time	3 (2.2)	1 (0.7)	1 (0.9)		
Not done in practice	3 (2.2)	3 (2.1)	1 (0.9)		
Missing	6 (N/A)	1 (N/A)	1 (N/A)		
Provides preventive care that improves wellness, modifies risk factors for illness and injury, and detects illness in early, treatable stages, n (%)				.622 .060	.369 .090
Practicing independently, rarely requests assistance	126 (92.6)	133 (95)	106 (95.5)		
Practicing mostly independently, sometimes requests assistance	3 (2.2)	3 (2.1)	3 (2.7)		
Not practicing very independently, frequently requests assistance	0	0	0		
Cannot assess at this time	4 (2.9)	2 (1.4)	1 (0.9)		
Not done in practice	3 (2.2)	2 (1.4)	1 (0.9)		
Missing	6 (N/A)	1 (N/A)	1 (N/A)		
Provides care that speeds recovery from illness and improves function, n (%)				.271 .111	.428 .096
Practicing independently, rarely requests assistance	126 (92.6)	125 (89.3)	100 (90.1)		
Practicing mostly independently, sometimes requests assistance	6 (4.4)	5 (3.6)	4 (3.6)		
Not practicing very independently, frequently requests assistance	0	0	0		
Cannot assess at this time	4 (2.9)	8 (5.7)	6 (5.4)		
Not done in practice	0	2 (1.4)	1 (0.9)		
Missing	6 (N/A)	1 (N/A)	1 (N/A)		
Evaluates and manages undifferentiated symptoms and complex conditions. n (%)				.169 .154	.318 .138
Practicing independently, rarely requests assistance	100 (73.5)	116 (82.9)	91 (82)		
Practicing mostly independently, sometimes requests assistance	32 (23.5)	20 (14.3)	17 (15.3)		
Not practicing very independently, frequently requests assistance	1 (0.7)	0	0		
Cannot assess at this time	2 (1.5)	4 (2.9)	3 (2.7)		
Not done in practice	1 (0.7)	0	0		
Missing	6 (N/A)	1 (N/A)	1 (N/A)		
Diagnoses and manages chronic medical conditions and multiple comorbidities, n (%)				.711 .051	.628 .063

Practicing independently, rarely requests assistance	117 (86)	124 (88.6)	99 (89.2)		
Practicing mostly independently, sometimes requests assistance	14 (10.3)	13 (9.3)	10 (9)		
Not practicing very independently, frequently requests assistance	0	0	0		
Cannot assess at this time	2 (1.5)	1 (0.7)	1 (0.9)		
Not done in practice	3 (2.2)	2 (1.4)	1 (0.9)		
Missing	6 (N/A)	1 (N/A)	1 (N/A)		
Diagnoses and manages mental health conditions, n (%)				.332 .089	.307 .101
Practicing independently, rarely requests assistance	103 (75.7)	115 (82.1)	92 (82.9)		
Practicing mostly independently, sometimes requests assistance	24 (17.6)	16 (11.4)	12 (10.8)		
Not practicing very independently, frequently requests assistance	0	0	0		
Cannot assess at this time	7 (5.1)	7 (5)	6 (5.4)		
Not done in practice	2 (1.5)	2 (1.4)	1 (0.9)		
Missing	6 (N/A)	1 (N/A)	1 (N/A)		
Diagnoses and manages acute illness and injury, n (%)				.309 .105	.237 .110
Practicing independently, rarely requests assistance	124 (91.2)	133 (95)	106 (95.5)		
Practicing mostly independently, sometimes requests assistance	6 (4.4)	5 (3.6)	4 (3.6)		
Not practicing very independently, frequently requests assistance	0	0	0		
Cannot assess at this time	5 (3.7)	1 (0.7)	1 (0.9)		
Not done in practice	1 (0.7)	1 (0.7)	0		
Missing	6 (N/A)	1 (N/A)	1 (N/A)		
Performs common procedures in the outpatient or inpatient setting, n (%)				.149 .154	.134 .173
Practicing independently, rarely requests assistance	96 (70.6)	114 (81.4)	92 (82.9)		
Practicing mostly independently, sometimes requests assistance	19 (14)	11 (7.9)	10 (9)		
Not practicing very independently, frequently requests assistance	1 (0.7)	0	0		
Cannot assess at this time	16 (11.8)	14 (10)	9 (8.1)		
Not done in practice	4 (2.9)	1 (0.7)	0		
Missing	6 (N/A)	1 (N/A)	1 (N/A)		
Manages prenatal care, n (%)				.030 .182	.007 .229

Practicing independently, rarely requests assistance	56 (41.2)	82 (58.6)	70 (63.1)		
Practicing mostly independently, sometimes requests assistance	9 (6.6)	9 (6.4)	6 (5.4)		
Not practicing very independently, frequently requests assistance	1 (0.7)	1 (0.7)	1 (0.9)		
Cannot assess at this time	15 (11.0)	12 (8.6)	10 (9.0)		
Not done in practice	55 (40.4)	36 (25.7)	24 (21.6)		
Missing	6 (N/A)	1 (N/A)	1 (N/A)		
Manages labor, delivery, and postpartum care, n (%)				.014 .197	.005 .233
Practicing independently, rarely requests assistance	31 (22.8)	54 (38.6)	46 (41.4)		
Practicing mostly independently, sometimes requests assistance	4 (2.9)	6 (4.3)	6 (5.4)		
Not practicing very independently, frequently requests assistance	2 (1.5)	0	0		
Cannot assess at this time	25 (18.4)	22 (15.7)	17 (15.3)		
Not done in practice	74 (54.4)	58 (41.4)	42 (37.8)		
Missing	6 (N/A)	1 (N/A)	1 (N/A)		
Manages end-of-life and palliative care, n (%)				.173 .135	.410 .111
Practicing independently, rarely requests assistance	55 (40.4)	68 (48.6)	53 (47.7)		
Practicing mostly independently, sometimes requests assistance	3 (2.2)	8 (5.7)	5 (4.5)		
Not practicing very independently, frequently requests assistance	1 (0.7)	1 (0.7)	1 (0.9)		
Cannot assess at this time	63 (46.3)	52 (37.1)	44 (39.6)		
Not done in practice	14 (10.3)	11 (7.9)	8 (7.2)		
Missing	6 (N/A)	1 (N/A)	1 (N/A)		
Manages inpatient care, discharge planning, transitions of care, n (%)				.243 .113	.546 .095
Practicing independently, rarely requests assistance	58 (42.6)	72 (51.4)	54 (48.6)		
Practicing mostly independently, sometimes requests assistance	6 (4.4)	8 (5.7)	6 (5.4)		
Not practicing very independently, frequently requests assistance	0	0	0		
Cannot assess at this time	18 (13.2)	19 (13.6)	17 (15.3)		
Not done in practice	54 (39.7)	41 (29.3)	34 (30.6)		
Missing	6 (N/A)	1 (N/A)	1 (N/A)		
Manages care for patients with medical emergencies, n (%)				.810 .077	.602 .118

Practicing independently, rarely requests assistance	86 (63.2)	96 (68.6)	79 (71.2)		
Practicing mostly independently, sometimes requests assistance	15 (11)	12 (8.6)	10 (9)		
Not practicing very independently, frequently requests assistance	1 (0.7)	1 (0.7)	1 (0.9)		
Cannot assess at this time	22 (16.2)	23 (16.4)	17 (15.3)		
Not done in practice	12 (8.8)	8 (5.7)	4 (3.6)		
Missing	6 (N/A)	1 (N/A)	1 (N/A)		
Develops trusting relationships and sustained partnerships with patients, families, and communities, n (%)				.444 .117	.788 .090
Practicing independently, rarely requests assistance	126 (92.6)	127 (90.7)	102 (91.9)		
Practicing mostly independently, sometimes requests assistance	7 (5.1)	6 (4.3)	5 (4.5)		
Not practicing very independently, frequently requests assistance	0	0	0		
Cannot assess at this time	2 (1.5)	7 (5)	4 (3.6)		
Not done in practice	1 (0.7)	0	0		
Missing	6 (N/A)	1 (N/A)	1 (N/A)		
Uses data to optimize the care of individuals, families, and populations, n (%)				.115 .126	.278 .105
Practicing independently, rarely requests assistance	106 (77.9)	122 (87.1)	95 (85.6)		
Practicing mostly independently, sometimes requests assistance	11 (8.1)	8 (5.7)	7 (6.3)		
Not practicing very independently, frequently requests assistance	0	0	0		
Cannot assess at this time	16 (11.8)	8 (5.7)	7 (6.3)		
Not done in practice	3 (2.2)	2 (1.4)	2 (1.8)		
Missing	6 (N/A)	1 (N/A)	1 (N/A)		
In the context of culture and health beliefs of patients and families, uses the best science to set mutual health goals and provide services most likely to benefit health, n (%)				.676 .088	.467 .116
Practicing independently, rarely requests assistance	120 (88.2)	128 (91.4)	103 (92.8)		
Practicing mostly independently, sometimes requests assistance	7 (5.1)	5 (3.6)	3 (2.7)		
Not practicing very independently, frequently requests assistance	0	0	0		
Cannot assess at this time	9 (6.6)	6 (4.3)	4 (3.6)		
Not done in practice	0	1 (0.7)	1 (0.9)		

Missing	6 (N/A)	1 (N/A)	1 (N/A)		
Advocates for patients, families, and communities to optimize health care equity and minimize health outcome disparities, n (%)				.686 .052	0.526 .073
Practicing independently, rarely requests assistance	121 (89)	127 (90.7)	101 (91)		
Practicing mostly independently, sometimes requests assistance	4 (2.9)	2 (1.4)	1 (0.9)		
Not practicing very independently, frequently requests assistance	0	0	0		
Cannot assess at this time	10 (7.4)	10 (7.1)	8 (7.2)		
Not done in practice	1 (0.7)	1 (0.7)	1 (0.9)		
Missing	6 (N/A)	1 (N/A)	1 (N/A)		
Provides leadership within interprofessional health care teams, n (%)				.154 .138	.346 .117
Practicing independently, rarely requests assistance	86 (63.2)	98 (70)	75 (67.6)		
Practicing mostly independently, sometimes requests assistance	24 (17.6)	17 (12.1)	16 (14.4)		
Not practicing very independently, frequently requests assistance	0	3 (2.1)	2 (1.8)		
Cannot assess at this time	25 (18.4)	21 (15)	17 (15.3)		
Not done in practice	1 (0.7)	1 (0.7)	1 (0.9)		
Missing	6 (N/A)	1 (N/A)	1 (N/A)		
Coordinates care and evaluates specialty consultation as the condition of the patient requires, n (%)				.705 .087	.635 .103
Practicing independently, rarely requests assistance	124 (91.2)	124 (88.6)	98 (88.3)		
Practicing mostly independently, sometimes requests assistance	8 (5.9)	9 (6.4)	7 (6.3)		
Not practicing very independently, frequently requests assistance	0	1 (0.7)	1 (0.9)		
Cannot assess at this time	4 (2.9)	5 (3.6)	4 (3.6)		
Not done in practice	0	1 (0.7)	1 (0.9)		
Missing	6 (N/A)	1 (N/A)	1 (N/A)		
Care process areas					
Issues with <i>confidence</i> (eg, self-assurance arising from appreciation of their own abilities), n (%)				.240 .102	.352 .092
Many challenges	2 (1.5)	2 (1.4)	1 (0.9)		
Some challenges	23 (16.9)	14 (10)	12 (10.8)		

No challenges	111 (81.6)	124 (88.6)	98 (88.3)		
Missing	6 (N/A)	1 (N/A)	1 (N/A)		
Issues with <i>speed/timing related to health care visits (defined as: judgment of control needed to manage events)</i> , n (%)				.163 .115	.030 .169
Many challenges	0	1 (0.7)	1 (0.9)		
Some challenges	24 (17.6)	15 (10.7)	8 (7.2)		
No challenges	112 (82.4)	124 (88.6)	102 (91.9)		
Missing	6 (N/A)	1 (N/A)	1 (N/A)		
Issues with <i>managing care in multiple settings simultaneously or back-to-back</i> , n (%)				.364 .086	.266 .104
Many challenges	0	2 (1.4)	2 (1.8)		
Some challenges	12 (8.8)	11 (7.9)	8 (7.2)		
No challenges	124 (91.2)	127 (90.7)	101 (91)		
Missing	6 (N/A)	1 (N/A)	1 (N/A)		
Issues with <i>over-referring patients</i> , n (%)				.596 .061	.610 .063
Many challenges	1 (0.7)	0	0		
Some challenges	2 (1.5)	2 (1.4)	1 (0.9)		
No challenges	133 (97.8)	138 (98.6)	110 (99.1)		
Missing	6 (N/A)	1 (N/A)	1 (N/A)		
Issues with working on a time clock or <i>being unprepared for practice demands unbounded by any duty hour restrictions</i> , n (%)				.156 .116	.172 .120
Many challenges	0	1 (0.7)	1 (0.9)		
Some challenges	18 (13.2)	10 (7.1)	8 (7.2)		
No challenges	118 (86.8)	129 (92.1)	102 (91.9)		
Missing	6 (N/A)	1 (N/A)	1 (N/A)		

*36 months of training in a 3YR program
**36 or 48 months of training in a 4YR program
***48 months of training in a 4YR program
^aCramer's V (effect size)
Abbreviation: YR, year; N/A, not applicable