Supplemental materials for

Peterson LE, Johannides J, Phillips RL. Physicians' choice of board certification activity is unaffected by baseline quality of care: the TRADEMaRQ study. *Ann Fam Med*. 2022;20(2):110-115.

Supplemental Table 1 – Clinical Measures from Each Participation Organization

NQF #	Measure Title	KPWA	KPCO	OCHIN	SETMA
18	Controlling High Blood Pressure	X	X	X	X
28	Smoking Cessation Counseling		X	X	
31	Breast Cancer Screening	X	X	X	X
32	Cervical Cancer Screening	X	X	X	X
34	Colorectal Cancer Screening	X	X	X	X
41	Preventive Care and Screening: Influenza Immunization			X	X
43	Pneumonia Vaccination Status for Older Adults			X	X
55	Diabetes: Eye Exam	X	X	X	X
56	Diabetes: Foot Exam		X	X	X
59	Diabetes: Hemoglobin A1c Poor Control		X	X	X
62	Diabetes: Urine Protein Screening	X		X	X
64	Diabetes: Low Density Lipoprotein (LDL) Management			X	X
68	Ischemic Vascular Disease (IVD): Use of Aspirin or Another Antithrombotic		X	X	
70	Coronary Artery Disease (CAD): Beta-Blocker Therapy—Prior Myocardial Infarction (MI) or Left Ventricular Systolic Dysfunction (LVEF <40%)	X		X	
75	Ischemic Vascular Disease (IVD): Complete Lipid Panel and LDL Control		X	X	
81	Heart Failure (HF): Angiotensin-Converting Enzyme (ACE) Inhibitor or Angiotensin Receptor Blocker (ARB) Therapy for Left Ventricular Systolic Dysfunction (LVSD)	X	X	X	
83	Heart Failure (HF): Beta-Blocker Therapy for Left Ventricular Systolic Dysfunction (LVSD)			X	
418	Preventive Care and Screening: Screening for Clinical Depression and Follow-Up Plan			X	
419	Documentation of Current Medications in the Medical Record			X	X

Supplemental Table 2 - Number of Family Medicine Certification Activities Completed by Study Participants from 2015 to 2017

	Overall (n=254)	Test Group (n=130)	Control Group (n=124)	p-value
No activity completed	50 (19.7%)	32 (24.6%)	18 (14.5%)	0.043
At least one activity completed	204 (80.3%)	98 (75.4%)	106 (85.5%)	
Median (IQR) number of activities completed for those completing at least one activity	4 (3-6)	4 (2-6)	5 (3-6)	0.0023

Supplemental Table 3 – Association Between Physician Characteristics and Choosing to Work on Certification Activities with Below Average Quality Measures by Organization, Excluding SETMA

	Odds Ratio (95% Confidence Interval)	P-value
Test Group vs. Control	1.33 (0.93, 1.91)	0.12
Personal Characteristics		
Age (<43.485, N=85)	ref	0.94
Age (43.485-54.934, N=85)	0.97 (0.62, 1.49)	
Age (>54.934)	1.05 (0.67, 1.65)	
Male Gender	1.59 (1.11, 2.28)	0.012
MD degree (vs. DO degree)	1.09 (0.59, 1.99)	0.79
International Medical Graduate	1.46 (0.75, 2.83)	0.26
Score (<=530)	Ref	0.0019
Score (530-620)	0.76 (0.50, 1.16)	
Score (>620)	0.43 (0.27, 0.69)	
Organization		<.0001
KPWA	Ref	
KPCO	2.12 (1.10, 4.07)	
OCHIN	4.56 (2.51, 8.31)	

Supplemental Figure 1: Mock Up of Expanded Quality Measure Dashboard as Part of the Intervention