

Online Supplementary Material

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Supplemental Table 2. Intervention Characteristics of Studies With High Methodological Performance Scores (N = 23)												
Author, Year	Country	EBG	Target Behavior	Outcomes No.	Duration, Mo	Facilitator Qualifications	Intervention Components	Tools	Fac: Prac	Intensity ^a	Tailor	Effect Size SMD (SE) 95% CI
Kottke et al ¹ 1992	US	Smoking	Identify and advise smokers	2	18	RN-14 h	AF + CG + M	Doctors Helping Smokers-office systems, edu	2:11	30 @ 1	Y	1.01 (0.52) 0.00 to 2.02 ^c
McBride et al ² 2000	US	CVD	Screen/manage/monitor CVD	4	12	RN or dietician + NR	AF+ CG+ M	HEART Kit-edu, office tools, guides	NR	5 @ 1	Y	0.82 (0.46) -0.08 to 1.72
Stange et al ³ 2003	US	Prev	Screen/habits/vaccine	35	12	RN + qualitative	AF + CG + M	Prevention screening	1:20	4 @ 1.5	Y	0.59 (0.23) 0.13 to 1.05 ^c
Lobo et al ⁴ 2004	NL	CVD	↑ Care for high-risk CVD patients	16	21	O-practice assistant + 80 h	AF + CG	Edu, practice management focus	5	15 @ 1	Y	0.44 (0.18) 0.09 to 0.79 ^c
Roetziem et al ⁵ 2005	US	Prev-Ca	↑ Pap/mammogram/FOBT	3	24	O-research staff + NR	AF + CG	Cancer-screening office systems (non-IT)	1:4	4 @ 1	N	0.84 (0.29) 0.27 to 1.41 ^c
Hogg et al ⁶ 2008	Can	Prev	↑ Prevention multi	26	12	RN + masters + 7 wk training	AF + CG	Rem, edu, flow	1:11	12 @ 1.5	Y	0.73 (0.29) 0.16 to 1.30 ^c
Aspy et al ⁷ 2008	US	Prev	Smoking/alcohol use/diet/inactivity	4	18	PEA-masters in health	AF + CG + M	Screening and intervention office systems	1:3	3 @ 6	Y	1.12 (0.36) 0.42 to 1.82 ^c
Jaén et al ⁸ 2010	US	Prev-CIC	↑ Prevention & chronic care	11	26	Diverse-O + 3-mo training	AF + CG + M	Change management, office systems, ED, IT, Web, CQI	1:6	4.5 @ 6	Y	0.04 (0.37) -0.69 to 0.77
Cockburn et al ⁹ 1992	Aus	Smoking	Use of smoking intervention kit	2	2	RN or O + training	Information only	Edu, contract card, risk factor screening	1:40	2 @ 0.25	N	0.24 (0.15) -0.06 to 0.54
Modell et al ¹⁰ 1998	UK	Prev	↑ Carrier screening for hemoglobinopathies	1	12	RN + training	AF + M	Rem, edu	1:13	3 @ 1	N	0.32 (0.40) -0.45 to 1.09
Engels et al ¹¹ 2006	NL	CQI	Implement team-based CQI	7	5	Practice assistants + 21 h	AF + CG	CQI	NR	5 @ 1	Y	1.04 (0.32) 0.41 to 1.67 ^c

Supplemental Table 2, continued. Intervention Characteristics of Studies With High Methodological Performance Scores (N = 23)

Author, Year	Country	EBG	Target Behavior	Outcomes No.	Duration Mo	Facilitator Qualifications	Intervention Components	Tools	Fac: Prac	Intensity ^a	Tailor	Effect Size SMD (SE) 95% CI
Aspy et al ¹² 2008	US	Prev-Ca	↑ Mammograms	1	9	PEA masters in health	AF + CG	PDSA + practice redesign, flow	1:4-8	18 @ 6	Y	1.31 (0.57) 0.20 to 2.42 ^c
Lobo et al ¹³ 2002	NL	CVD	Improved practice organization for preventive CVD care	16	21	Practice assistants + 80 h	AF + CG	Rem + edu + flow + risk profiling	1:20	15 @ 1	Y	0.66 (0.19) 0.30 to 1.02 ^c
Deitrich et al ¹⁴ 1992	US	Prev-Ca	Mammography/FOBT /smoking cessation/ ↓dietary fat	10	3	NR	AF + CG + M	Rem + edu + flow	1:8	3 @ 1	Y	0.59 (0.29) 0.02 to 1.16 ^c
Bryce et al ¹⁵ 1995	UK	Lung	Asthma care	4	12	NR	AF	Rem + edu	1:12	1 @ 15	N	0.62 (0.32) 0.00 to 1.24
Kinsinger et al ¹⁶ 1998	US	Prev-Ca	↑Breast cancer screening	5	12	NR	AF + CG	Rem + edu + flow	1:13	10 @ .75	Y	0.47 (0.27) -0.05 to -0.99
Solberg et al ¹⁷ 1998	US	Prev	Adoption of office systems for prevention	10	22	RN + CQI experience	AF + CG + M	CQI methods	1:11	4 @ 3	Y	1.08 (0.32) 0.45 to 1.71 ^c
Lemelin et al ¹⁸ 2001	Can	Prev	Multiple prevention-cancer/BP/glucose/STD	13	18	RN-masters + training	AF + CG + M	Rem + edu + flow	1:8	33 @ 1.75	Y	0.98 (0.32) 0.36 to 1.60 ^c
Frijling et al ¹⁹ 2002	NL	Diab	Improving process of diabetes care	7	21	Practice assistants + 80 h (includes 8 h diabetes focus)	AF + CG	Practice-level organization + diabetes-specific guidelines	1:20	15 @ 1	N	0.26 (0.18) -0.09 to 0.61
Frijling et al ²⁰ 2003	NL	CVD	Improving CVD care guidelines	12	21	Practice assistants + 80 h	AF + CG	Practice-level + CVD guidelines	1:20	15 @ 1	Y	0.39 (0.18) 0.05 to 0.74 ^c
Margolis et al ²¹ 2004	US	Prev-Child	↑Screening TB, lead, anemia & vaccination	4	24	RN	AF + CG + M	Rem + flow + PDSA	1:11	9 @ 1	Y	0.60 (0.30) 0.00 to 1.20 ^c
Mold et al ²² 2008	US	Prev	Adoption of office systems for prevention	6	6	PEA-masters in health	AF + CG + M	IT-preventive services reminder system, edu, reminders, group visits	1:8	18 @ 4	Y	0.94 (0.53) -0.10 to 1.98
Hogg et al ²³ 2008	Can	Prev	↑Prevention multi	53	12	RN-masters + 7 wk	AF + CG	Rem + edu + flow	1:14	9 @ .75	Y	0.11 (0.27) -0.42 to 0.64

AF = audit and feedback; Aus = Australia; BP = blood pressure; CA = cancer; Can = Canada; CG = consensus building and goal setting; Child = children; CQI = continuous quality improvement—facilitated intervention; CVD = cardiovascular disease; Diab = diabetes; DUR = duration of intervention; EBG = evidence-based guideline targeted; edu = educational tools includes both practice level and patient specific; Fac: Prac = facilitator to practice ratio—if not reported in journal, author was contacted; flow = flow sheets and recalls; IT = technology focus; M = meetings, includes quality circles and learning collaboratives; N = no; NL = Netherlands; NR = not reported; O = other; PCMH = patient-centered medical home practice; PDSA = plan-do-study-act cycle; PEA = practice enhancement assistant; PM = practice management; PREV = prevention; Rem = reminder systems; RN = registered nurse; tailor = tailoring of intervention to practice; SE = standard error; SMD = standardized mean difference; STD = sexually transmitted disease; UK = United Kingdom; US = United States; Y = yes.

^a Number of meetings @ hours per meeting.

^c z statistic, P < .05.

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