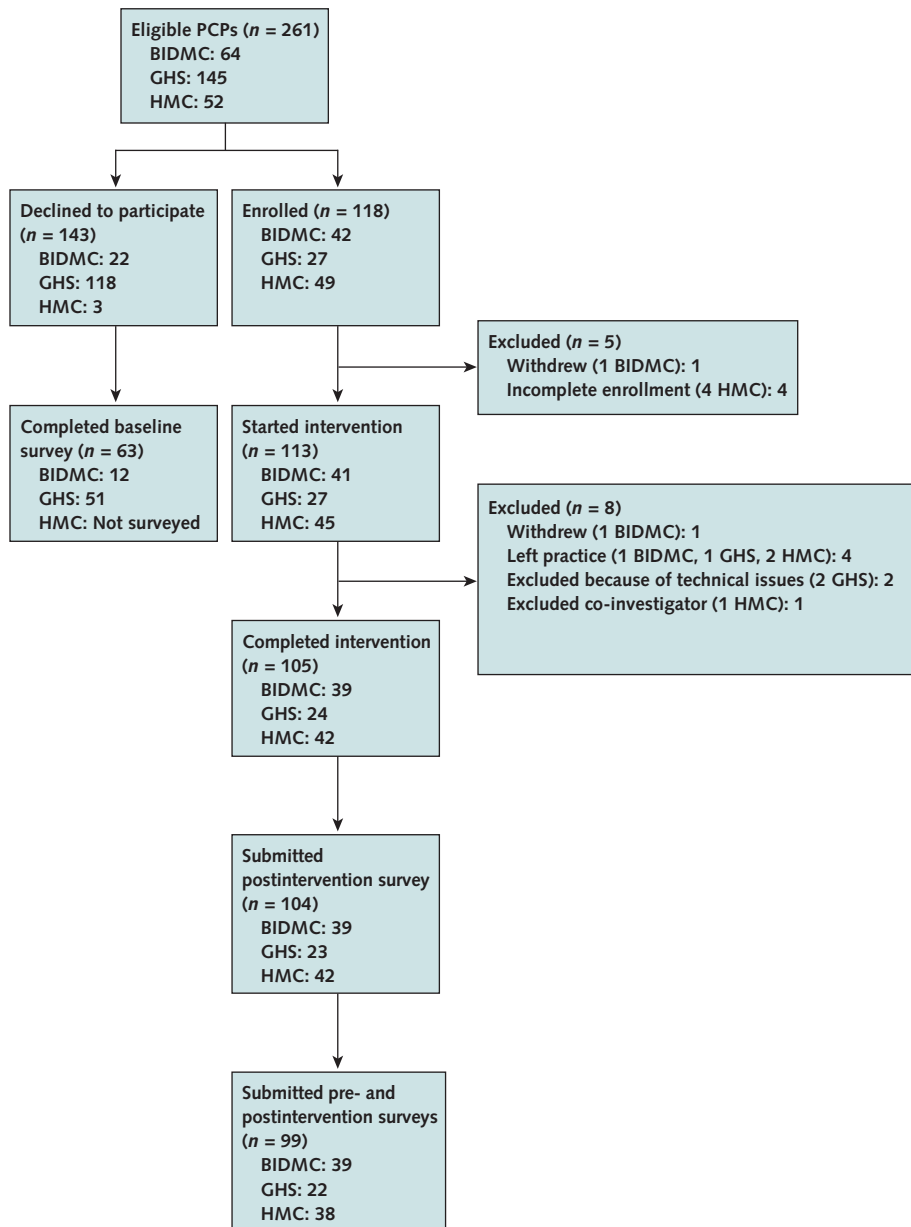
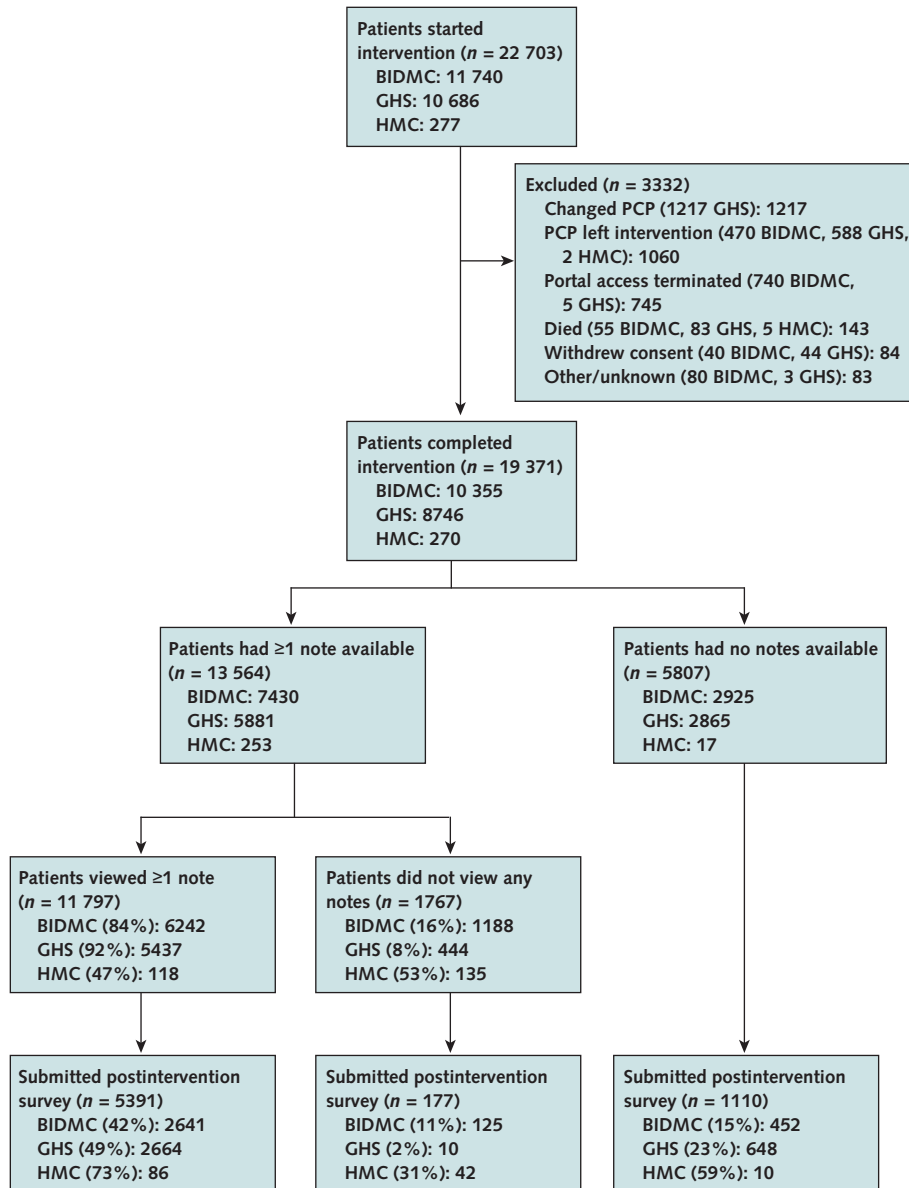


Appendix Figure 1. Study flow diagram for doctors.



BIDMC = Beth Israel Deaconess Medical Center; GHS = Geisinger Health System; HMC = Harborview Medical Center; PCP = primary care physician.

Appendix Figure 2. Study flow diagram for patients.



BIDMC = Beth Israel Deaconess Medical Center; GHS = Geisinger Health System; HMC = Harborview Medical Center; PCP = primary care physician.

Appendix Table 1. Characteristics of 19 371 Patients Who Completed the Intervention, by Study Site

Patient Characteristic	BIDMC (n = 10 355)			GHS (n = 8746)			HMC (n = 270)					
	Opened ≥1 Note (n = 6242)	Opened 0 Notes (n = 1188)	No Notes Available (n = 2925)	P Value	Opened ≥1 Note (n = 5437)	Opened 0 Notes (n = 444)	No Notes Available (n = 2865)	P Value	Opened ≥1 Note (n = 118)	Opened 0 Notes (n = 135)	No Notes Available (n = 17)	P Value
Mean age (SD) [range], n*	51 (13) [18–100]	49 (14) [20–95]	44 (13) [19–99]	<0.001	53 (14) [18–99]	53 (17) [18–90]	41 (13) [18–91]	<0.001	50 (10) [27–72]	48 (11) [25–85]	47 (14) [28–75]	0.025
Women, %†	60	58	54	<0.001	55	56	60	<0.001	21	24	24	0.83
Mean notes available (SD) [range], n*‡	4 (4) [1–55]	3 (3) [1–29]	–	<0.001	3 (2) [1–18]	2 (2) [1–14]	–	0.021	5 (3) [1–17]	5 (3) [1–21]	–	0.001
Notes available, %†	58	75	–	<0.001	78	81	–	0.164	28	35	–	0.24
≥4	42	25	–		22	19	–		72	65	–	

BIDMC = Beth Israel Deaconess Medical Center; GHS = Geisinger Health System; HMC = Harborview Medical Center.

* Group differences were assessed using analysis of variance.

† Group differences were assessed using the chi-square test.

‡ All sites opened visit notes, and BIDMC also opened notes documenting letters and phone calls.

Appendix Table 2. PCPs' Matched Pre- and Postintervention Survey Responses at BIDMC*

Pre-/Postintervention Response Statement	BIDMC (n = 39), %					
	Agree/ Agree	Agree/ Disagree	Agree/ Cannot Estimate	Disagree/ Disagree	Disagree/ Agree	Disagree/ Cannot Estimate
Visits will/did take significantly longer	0	23	–	74	3	–
Will/did spend more time addressing patient questions outside of visits†	0	31	18	26	5	20
Will/did spend more time writing/dictating/editing my notes	21	26	–	54	0	–
Will be/was less candid in documentation I will/did change the way I address these topics in my notes:	15	18	–	54	13	–
Cancer/possibility of cancer	18	15	–	59	8	–
Mental health	31	13	–	51	5	–
Substance abuse	20	18	–	54	8	–
Overweight/obesity	13	5	–	62	20	–
Medical care will be/was delivered more efficiently	10	13	–	67	10	–
Notes can be useful for patient communication and education	72	5	–	13	10	–

BIDMC = Beth Israel Deaconess Medical Center; PCP = primary care physician.

* Rows total 100%.

† Postintervention surveys asked PCPs to estimate how many of their patients read their notes; those responding “none” or “cannot estimate . . .” were not asked this question.

Appendix Table 3. PCPs' Matched Pre- and Postintervention Survey Responses at GHS*

Pre-/Postintervention Response Statement	GHS (n = 22)†, %					
	Agree/ Agree	Agree/ Disagree	Agree/ Cannot Estimate	Disagree/ Disagree	Disagree/ Agree	Disagree/ Cannot estimate
Visits will/did take significantly longer	5	27	–	68	0	–
Will/did spend more time addressing patient questions outside of visits‡	0	32	14	36	0	18
Will/did spend more time writing/dictating/editing my notes	9	27	–	59	5	–
Will be/was less candid in documentation I will/did change the way I address these topics in my notes:	5	27	–	63	5	–
Cancer/possibility of cancer	9	9	–	73	9	–
Mental health	18	9	–	64	9	–
Substance abuse	9	23	–	54	14	–
Overweight/obesity	0	18	–	77	5	–
Medical care will be/was delivered more efficiently	14	14	–	54	18	–
Notes can be useful for patient communication and education	85	5	–	5	5	–

GHS = Geisinger Health System; PCP = primary care physician.

* Rows total 100%.

† Participating PCPs who did not submit both pre- and postintervention surveys were excluded from analysis (n = 2).

‡ Postintervention surveys asked PCPs to estimate how many of their patients read their notes; those responding “none” or “cannot estimate . . .” were not asked this question.

Appendix Table 4. PCPs' Matched Pre- and Postintervention Survey Responses at HMC*

Pre-/Postintervention Response Statement	HMC (n = 38)†, %					
	Agree/ Agree	Agree/ Disagree	Agree/ Cannot Estimate	Disagree/ Disagree	Disagree/ Agree	Disagree/ Cannot Estimate
Visits will/did take significantly longer	0	21	–	79	0	–
Will/did spend more time addressing patient questions outside of visits‡	0	18	16	40	0	26
Will/did spend more time writing/dictating/editing my notes	0	34	–	66	0	–
Will be/was less candid in documentation	3	37	–	52	8	–
I will/did change the way I address these topics in my notes:						
Cancer/possibility of cancer	0	26	–	71	3	–
Mental health	5	48	–	42	5	–
Substance abuse	3	39	–	53	5	–
Overweight/obesity	3	18	–	76	3	–
Medical care will be/was delivered more efficiently	8	29	–	60	3	–
Notes can be useful for patient communication and education	84	0	–	13	3	–

HMC = Harborview Medical Center; PCP = primary care physician.

* Rows total 100%.

† Participating PCPs who did not submit both pre- and postintervention surveys were excluded from analysis (n = 4).

‡ Postintervention surveys asked PCPs to estimate how many of their patients read their notes; those responding “none” or “cannot estimate . . .” were not asked this question.