

Supplemental Table 1: Study Sample Selection Criteria

Step	Selection Criteria	Health Information Share		Medical Information Exchange	
		Included	Excluded	Included	Excluded
0	Total sample size	6470		6862	
1	If answer on social media use is missing	5507	963	6640	222
2	Excluded if age is missing	5320	187	6379	261
3	Excluded if sex is missing	5047	273	6017	362
4	Excluded if race is missing	4733	314	5544	473
5	Excluded if education is missing	4716	17	5520	24
6	Excluded if marital status is missing	4689	27	5472	48
7	Excluded if income is missing	4402	287	5078	394
8	Excluded if employment is missing	4396	6	5069	9
9	Excluded if region is missing	4396	0	5069	0
10	Excluded if health insurance is missing	4363	33	5040	29
11	Excluded if general health status is missing	4312	51	4931	109
12	Excluded if smoking status is missing	4293	19	4902	29
13	Excluded if answer on 'ever had cancer' is missing	4285	8	4895	7
14	Excluded if answer on 'family every had cancer ' is missing	4242	43	4834	61
15	Final Dataset (weighted sample size)	4242 (343,465,241)		4834 (354,419,489)	

Supplemental Table 2. Predictors of use of social media in health communication using logistic regression, reduced models

Characteristics	Health Information Share			Medical Information Exchange				
	OR	95% CI	P-value	OR	95% CI	P-value		
Year								
2013	1.00			1.00				
2014	-	-	-	1.90	1.09	3.34	.025	
2017	0.64	0.50	0.81	.001	-	-	-	
Age Group								
18-49	1.00			1.00				
50-64	0.35	0.26	0.47	<.001	0.67	0.40	1.13	.128
65+	0.15	0.10	0.21	<.001	0.43	0.23	0.82	.011
Sex								
Male	1.00			-				
Female	2.10	1.47	3.01	<.001	-			
Diagnosed with cancer								
No	1.00			-				
Yes	1.56	1.03	2.36	.037	-			
Family history of any cancer								
No	1.00			-				
Yes	1.60	1.17	2.18	.004				
Not sure	0.73	0.42	1.27	.262	-			