

Table S1 Response to knowledge questions stratified by physician type

Survey knowledge questions and responses	Medical oncologist (n=300)		Radiation oncologist (n=316)		Surgeon (n=313)		P value
	No.	%	No.	%	No.	%	
What is your best guess of the 10-year local recurrence risk for DCIS patients undergoing:							
Lumpectomy without radiation							<0.0001
<10%	85	29.62	17	5.56	32	10.22	
10–19%	127	44.25	115	37.58	103	32.91	
20–30%	67	23.34	158	51.63	148	47.28	
31–40%	5	1.74	14	4.58	24	7.67	
>40%	3	1.05	2	0.65	6	1.92	
Lumpectomy with radiation							<0.0001
<5%	126	43.90	72	23.45	58	18.53	
5–10%	137	47.74	188	61.24	220	70.29	
11–15%	13	4.53	39	12.70	25	7.99	
16–20%	9	3.14	7	2.28	7	2.24	
>20%	2	0.70	1	0.33	3	0.96	
Mastectomy							0.0196
<5%	241	84.56	237	76.70	263	84.03	
≥5%	44	15.44	72	23.30	50	15.97	
What is your best guess of the 10-year distant recurrence risk for DCIS patients undergoing:							
Surgery							0.0214
<1%	82	28.77	66	21.50	64	20.65	
1–2%	139	48.77	189	61.56	190	61.29	
3–5%	48	16.84	44	14.33	42	13.55	
>5%	16	5.61	8	2.61	14	4.52	
No treatment for DCIS							0.0068
<1%	30	10.87	28	9.24	21	6.98	
1–2%	85	30.80	110	36.30	80	26.58	
3–5%	88	31.88	101	33.33	95	31.56	
>5%	73	26.45	64	21.12	105	34.88	

DCIS, ductal carcinoma in situ.

Table S2 Multivariate analysis of physician factors and high knowledge score

Variables	OR	95% CI		P value
		Lower limit	Upper limit	
Physician type				
Medical oncologist (ref.)	–	–	–	–
Radiation oncologist	1.866	1.237	2.813	0.0029
Surgeon	2.100	1.442	3.058	0.0001
Years in practice				
<5 (ref.)	–	–	–	–
5–9	2.030	1.068	3.859	0.0308
10–15	1.936	0.899	4.172	0.0916
16–20	2.309	0.964	5.532	0.0605
>20	3.180	1.254	8.061	0.0148
Number of patients seen per week				
<10	–	–	–	–
10–29	1.061	0.712	1.581	0.7718
30–49	1.217	0.752	1.967	0.4238
≥50	1.257	0.771	2.050	0.3594
Gender				
Male (ref.)	–	–	–	–
Female	1.452	1.064	1.982	0.0188
Age (years)				
30–39 (ref.)	–	–	–	–
40–49	0.926	0.495	1.734	0.8100
50–59	0.923	0.403	2.114	0.8502
60–69	0.771	0.304	1.957	0.5844
≥70	0.308	0.070	1.351	0.1185

OR, odds ratio; CI, confidence interval.

Table S3 Multivariate analysis of physician factors associated with physician's opinion on how easy it would be to put DCIS patients on a clinical trial

Variables	OR	95% CI		P value
		Lower limit	Upper limit	
Physician type				
Medical oncologist (ref.)	–	–	–	–
Radiation oncologist	1.227	0.784	1.920	0.3707
Surgeon	1.174	0.775	1.778	0.4485
Years in practice				
<5 (ref.)	–	–	–	–
5–9	0.901	0.440	1.844	0.7755
10–15	1.045	0.443	2.463	0.9205
16–20	1.004	0.375	2.692	0.9934
>20	1.048	0.372	2.952	0.9288
Number of patients seen per week				
<10 (ref.)	–	–	–	–
10–29	0.856	0.553	1.324	0.4851
30–49	1.153	0.687	1.934	0.5904
≥50	0.994	0.580	1.705	0.9829
Gender				
Male (ref.)	–	–	–	–
Female	1.023	0.725	1.443	0.8982
Age (years)				
30–39 (ref.)	–	–	–	–
40–49	0.890	0.430	1.840	0.7530
50–59	1.469	0.572	3.770	0.4238
60–69	1.350	0.471	3.870	0.5766
≥70	1.908	0.476	7.647	0.3619
Knowledge level				
Low (ref.)	–	–	–	–
High	1.343	0.954	1.892	0.0910

DCIS, ductal carcinoma in situ; OR, odds ratio; CI, confidence interval.