

Supplementary Table 1: Characteristics of responders and non-responders to the NPCA patient survey

		Responders	Non-responders	Total
Total		32,796 (100.0)	11,995 (100.0)	44,791 (100.0)
Diagnosis year				
	2014	10,023 (30.6)	3,446 (28.7)	13,469 (30.1)
	2015	14,966 (45.6)	5,752 (48.0)	20,718 (46.3)
	2016	7,807 (23.8)	2,797 (23.3)	10,604 (23.7)
Age	<i>Mean (years)</i>	<i>68.0 [SD=7.34]</i>	<i>67.1 [SD=8.93]</i>	
	<60	4,106 (12.5)	2,422 (20.2)	6,528 (14.6)
	60-69	14,066 (42.9)	4,575 (38.1)	18,641 (41.6)
	70-79	12,989 (39.6)	4,123 (34.4)	17,112 (38.2)
	80+	1,635 (5.0)	875 (7.3)	2,510 (5.6)
Ethnic group				
	White	31,180 (95.1)	9,792 (81.6)	40,972 (91.5)
	Black/Black British	842 (2.6)	769 (6.4)	1,611 (3.6)
	Asian/Asian British	439 (1.3)	446 (3.7)	885 (2.0)
	Mixed/Other	291 (0.9)	310 (2.6)	601 (1.3)
	<i>Missing</i>	<i>44 (0.1)</i>	<i>678 (5.7)</i>	<i>722 (1.6)</i>
Charlson comorbidity score				
	0	26,248 (80.0)	8,765 (73.1)	35,013 (78.2)
	1	4,586 (14.0)	2,150 (17.9)	6,736 (15.0)
	2+	1,962 (6.0)	1,080 (9.0)	3,042 (6.8)
Deprivation				
	1-least deprived	8,471 (25.8)	2,289 (19.1)	10,760 (24.0)
	2	8,139 (24.8)	2,438 (20.3)	10,577 (23.6)
	3	7,045 (21.5)	2,440 (20.3)	9,485 (21.2)
	4	5,300 (16.2)	2,384 (19.9)	7,684 (17.2)
	5-most deprived	3,841 (11.7)	2,444 (20.4)	6,285 (14.0)
Risk group				
	High-risk/Locally advanced	15,768 (48.1)	5,048 (42.1)	20,816 (46.5)
	Intermediate	14,387 (43.9)	5,344 (44.6)	19,731 (44.1)
	Low-risk	1,613 (4.9)	1,012 (8.4)	2,625 (5.9)
	<i>Missing</i>	<i>1,028 (3.1)</i>	<i>591 (4.9)</i>	<i>1,619 (3.6)</i>
Type of treatment				
	External Beam Radiotherapy (EBRT) only	14,721 (44.9)	4,428 (36.9)	19,149 (42.8)
	Radical Prostatectomy (RP) only	8,247 (25.1)	2,496 (20.8)	10,743 (24.0)
	Brachytherapy (BT) only	1,257 (3.8)	332 (2.8)	1,589 (3.5)
	Other treatment*	2,636 (8.0)	730 (6.1)	3,366 (7.5)
	No treatment	5935 (18.1)	4,009 (33.4)	9,944 (22.2)

*including multimodal treatments, and cryotherapy and HIFU

Supplementary Table 2: All responses by patient characteristics

		Age N (%)				Ethnicity N (%)					Deprivation N (%)					
	Total	<60	60-69	70-79	80+	White	Black/Black British	Asian/Asian British	Mixed / Other	Missing	1-least deprived	2	3	4	5-most deprived	
Total	32,796 (100.0)	4,301 (100.0)	14,609 (100.0)	12,472 (100.0)	1,414 (100.0)	31,180 (100.0)	842 (100.0)	439 (100.0)	291 (100.0)	44 (100.0)	8,471 (100.0)	8,139 (100.0)	7,045 (100.0)	5,300 (100.0)	3,841 (100.0)	
How much information were you given...?																
Not enough	2,589 (7.9)	448 (10.4)	1,083 (7.4)	900 (7.2)	158 (11.2)	2,413 (7.7)	98 (11.6)	52 (11.8)	24 (8.2)	2 (4.5)	620 (7.3)	593 (7.3)	527 (7.5)	445 (8.4)	404 (10.5)	
	29,169 (88.9)	3,692 (85.8)	13,098 (89.7)	11,189 (89.7)	1,190 (84.2)	27,824 (89.2)	701 (83.3)	356 (81.1)	252 (86.6)	36 (81.8)	7,620 (90.0)	7,303 (89.7)	6,288 (89.3)	4,679 (88.3)	3,279 (85.4)	
The right amount	615 (1.9)	118 (2.7)	306 (2.1)	179 (1.4)	12 (0.8)	559 (1.8)	30 (3.6)	19 (4.3)	6 (2.1)	1 (2.3)	132 (1.6)	138 (1.7)	143 (2.0)	109 (2.1)	93 (2.4)	
	423 (1.3)	43 (1.0)	122 (0.8)	204 (1.6)	54 (3.8)	384 (1.2)	13 (1.5)	12 (2.7)	9 (3.1)	5 (11.4)	99 (1.2)	105 (1.3)	87 (1.2)	67 (1.3)	65 (1.7)	
Too much	615 (1.9)	118 (2.7)	306 (2.1)	179 (1.4)	12 (0.8)	559 (1.8)	30 (3.6)	19 (4.3)	6 (2.1)	1 (2.3)	132 (1.6)	138 (1.7)	143 (2.0)	109 (2.1)	93 (2.4)	
	423 (1.3)	43 (1.0)	122 (0.8)	204 (1.6)	54 (3.8)	384 (1.2)	13 (1.5)	12 (2.7)	9 (3.1)	5 (11.4)	99 (1.2)	105 (1.3)	87 (1.2)	67 (1.3)	65 (1.7)	
Do you think your views were taken into account...?																
Yes, definitely	22,112 (67.4)	3,091 (71.9)	10,652 (72.9)	7,679 (61.6)	690 (48.8)	21,099 (67.7)	546 (64.8)	251 (57.2)	189 (64.9)	27 (61.4)	5,818 (68.7)	5,563 (68.3)	4,760 (67.6)	3,479 (65.6)	2,492 (64.9)	
	6,318 (19.3)	863 (20.1)	2,605 (17.8)	2,571 (20.6)	279 (19.7)	6,005 (19.3)	169 (20.1)	88 (20.0)	48 (16.5)	8 (18.2)	1,617 (19.1)	1,549 (19.0)	1,352 (19.2)	1,046 (19.7)	754 (19.6)	
Yes, to some extent	1,151 (3.5)	118 (2.7)	414 (2.8)	526 (4.2)	93 (6.6)	1,106 (3.5)	22 (2.6)	13 (3.0)	9 (3.1)	1 (2.3)	326 (3.8)	280 (3.4)	234 (3.3)	201 (3.8)	110 (2.9)	
	1,536 (4.7)	96 (2.2)	430 (2.9)	846 (6.8)	164 (11.6)	1,427 (4.6)	52 (6.2)	38 (8.7)	17 (5.8)	2 (4.5)	355 (4.2)	376 (4.6)	332 (4.7)	263 (5.0)	210 (5.5)	
I didn't know my treatment was being discussed	1,023 (3.1)	83 (1.9)	307 (2.1)	517 (4.1)	116 (8.2)	940 (3.0)	33 (3.9)	34 (7.7)	15 (5.2)	1 (2.3)	189 (2.2)	216 (2.7)	236 (3.3)	201 (3.8)	181 (4.7)	
	656 (2.0)	50 (1.2)	201 (1.4)	333 (2.7)	72 (5.1)	603 (1.9)	20 (2.4)	15 (3.4)	13 (4.5)	5 (11.4)	166 (2.0)	155 (1.9)	131 (1.9)	110 (2.1)	94 (2.4)	
Were the possible side effects of treatment(s) explained...?																
Yes, definitely	22,205 (67.7)	2,958 (68.8)	10,314 (70.6)	8,161 (65.4)	772 (54.6)	21,238 (68.1)	519 (61.6)	242 (55.1)	182 (62.5)	24 (54.5)	5,870 (69.3)	5,577 (68.5)	4,710 (66.9)	3,554 (67.1)	2,494 (64.9)	
	7,694 (23.5)	1,110 (25.8)	3,332 (22.8)	2,937 (23.5)	315 (22.3)	7,233 (23.2)	249 (29.6)	132 (30.1)	69 (23.7)	11 (25.0)	1,977 (23.3)	1,925 (23.7)	1,667 (23.7)	1,217 (23.0)	908 (23.6)	
Yes, to some extent	1,264 (3.9)	108 (2.5)	450 (3.1)	583 (4.7)	123 (8.7)	1,196 (3.8)	34 (4.0)	20 (4.6)	13 (4.5)	1 (2.3)	279 (3.3)	277 (3.4)	284 (4.0)	229 (4.3)	195 (5.1)	
	492 (1.5)	32 (0.7)	164 (1.1)	239 (1.9)	57 (4.0)	475 (1.5)	6 (0.7)	5 (1.1)	4 (1.4)	2 (4.5)	119 (1.4)	115 (1.4)	122 (1.7)	80 (1.5)	56 (1.5)	
I did not need an explanation	517 (1.6)	44 (1.0)	152 (1.0)	242 (1.9)	79 (5.6)	459 (1.5)	18 (2.1)	28 (6.4)	11 (3.8)	1 (2.3)	86 (1.0)	100 (1.2)	123 (1.7)	109 (2.1)	99 (2.6)	
	624 (1.9)	49 (1.1)	197 (1.3)	310 (2.5)	68 (4.8)	579 (1.9)	16 (1.9)	12 (2.7)	12 (4.1)	5 (11.4)	140 (1.7)	145 (1.8)	139 (2.0)	111 (2.1)	89 (2.3)	
Not sure / can't remember	624 (1.9)	49 (1.1)	197 (1.3)	310 (2.5)	68 (4.8)	579 (1.9)	16 (1.9)	12 (2.7)	12 (4.1)	5 (11.4)	140 (1.7)	145 (1.8)	139 (2.0)	111 (2.1)	89 (2.3)	
	624 (1.9)	49 (1.1)	197 (1.3)	310 (2.5)	68 (4.8)	579 (1.9)	16 (1.9)	12 (2.7)	12 (4.1)	5 (11.4)	140 (1.7)	145 (1.8)	139 (2.0)	111 (2.1)	89 (2.3)	

(continued.../)

Supplementary Table 2 (cont.): all responses by patient characteristics

		Age N (%)				Ethnicity N (%)					Deprivation N (%)					
		Total	<60	60-69	70-79	80+	White	Black/Black British	Asian/Asian British	Mixed / Other	Missing	1-least deprived	2	3	4	5-most deprived
Were you involved as much as you wanted to be...?																
Yes, definitely	23,728	3,179	11,086	8,615	848	22,733	527	251	191	26	6,304	6,020	5,097	3,724	2,583	
	(72.4)	(73.9)	(75.9)	(69.1)	(60.0)	(72.9)	(62.6)	(57.2)	(65.6)	(59.1)	(74.4)	(74.0)	(72.3)	(70.3)	(67.2)	
Yes, to some extent	6,500	859	2,650	2,670	321	6,088	221	121	58	12	1,583	1,540	1,416	1,121	840	
	(19.8)	(20.0)	(18.1)	(21.4)	(22.7)	(19.5)	(26.2)	(27.6)	(19.9)	(27.3)	(18.7)	(18.9)	(20.1)	(21.2)	(21.9)	
No, but I would have liked to have been more involved	1,346	169	500	583	94	1,257	43	26	19	1	321	318	266	232	209	
	(4.1)	(3.9)	(3.4)	(4.7)	(6.6)	(4.0)	(5.1)	(5.9)	(6.5)	(2.3)	(3.8)	(3.9)	(3.8)	(4.4)	(5.4)	
Not sure / can't remember	553	45	146	290	72	485	29	28	11	0	98	117	119	110	109	
	(1.7)	(1.0)	(1.0)	(2.3)	(5.1)	(1.6)	(3.4)	(6.4)	(3.8)	(0.0)	(1.2)	(1.4)	(1.7)	(2.1)	(2.8)	
Missing	669	49	227	314	79	617	22	13	12	5	165	144	147	113	100	
	(2.0)	(1.1)	(1.6)	(2.5)	(5.6)	(2.0)	(2.6)	(3.0)	(4.1)	(11.4)	(1.9)	(1.8)	(2.1)	(2.1)	(2.6)	
Overall how would you rate your care?																
<8	3,147	559	1,362	1,042	184	2,893	131	78	40	5	739	740	668	525	475	
	(9.6)	(13.0)	(9.3)	(8.4)	(13.0)	(9.3)	(15.6)	(17.8)	(13.7)	(11.4)	(8.7)	(9.1)	(9.5)	(9.9)	(12.4)	
8+	27,379	3,478	12,332	10,503	1,066	26,207	606	317	219	30	7,231	6,864	5,863	4,373	3,048	
	(83.5)	(80.9)	(84.4)	(84.2)	(75.4)	(84.1)	(72.0)	(72.2)	(75.3)	(68.2)	(85.4)	(84.3)	(83.2)	(82.5)	(79.4)	
Missing	2,270	264	915	927	164	2,080	105	44	32	9	501	535	514	402	318	
	(6.9)	(6.1)	(6.3)	(7.4)	(11.6)	(6.7)	(12.5)	(10.0)	(11.0)	(20.5)	(5.9)	(6.6)	(7.3)	(7.6)	(8.3)	

Supplementary Table 3: Univariate regression analysis of responses to selected questions in the NPCA patient survey

	Right amount of info			Side effects explained			Views considered			Felt involved in decisions			Overall rating of care 8+		
	No.	Crude RR (95% CI)	P value	No.	Crude RR (95% CI)	P value	No.	Crude RR (95% CI)	P value	No.	Crude RR (95% CI)	P value	No.	Crude RR (95% CI)	P value
	28,849			21,546			21,491			23,025			26,526		
Age			<0.001			<0.001			<0.001			<0.001			<0.001
<60	3,726	1		2,893	1		3,030	1		3,113	1		3,406	1	
60-69	13,033	1.03 (1.02-1.05)		10,039	1.03 (1.01-1.06)		10,381	1.02 (1.00-1.04)		10,786	1.03 (1.01-1.05)		12,004	1.05 (1.03-1.06)	
70-79	11,003	1.04 (1.02-1.05)		7,914	0.99 (0.96-1.01)		7,455	0.89 (0.87-0.91)		8,357	0.96 (0.94-0.98)		10,152	1.06 (1.04-1.07)	
80+	1,087	0.99 (0.97-1.01)		700	0.90 (0.86-0.94)		625	0.76 (0.72-0.80)		769	0.89 (0.85-0.93)		964	0.99 (0.96-1.02)	
Ethnic group			<0.001			<0.001			0.037			<0.001			<0.001
White	27,528	1		20,634	1		20,533	1		22,082	1		25,426	1	
Black/Black British	714	0.96 (0.93-0.98)		507	0.90 (0.86-0.95)		536	0.97 (0.93-1.02)		518	0.88 (0.84-0.93)		590	0.91 (0.88-0.94)	
Asian/Asian British	358	0.95 (0.92-0.99)		230	0.86 (0.79-0.93)		240	0.90 (0.84-0.97)		240	0.83 (0.77-0.90)		303	0.89 (0.85-0.94)	
Mixed/Other	249	0.99 (0.96-1.03)		175	0.96 (0.89-1.04)		182	1.01 (0.94-1.09)		185	0.94 (0.87-1.02)		207	0.94 (0.89-0.99)	
Charlson comorbidity score			<0.001			<0.001			<0.001			<0.001			<0.001
0	23,230	1		17,545	1		17,471	1		18,747	1		21,414	1	
1	3,951	0.98 (0.97-0.99)		2,820	0.95 (0.93-0.97)		2,844	0.95 (0.93-0.97)		3,019	0.94 (0.92-0.96)		3,606	0.98 (0.97-0.99)	
2+	1,668	0.97 (0.96-0.99)		1,181	0.94 (0.91-0.97)		1,176	0.93 (0.90-0.96)		1,259	0.93 (0.90-0.95)		1,506	0.96 (0.94-0.97)	
Deprivation			<0.001			0.019			0.054			<0.001			<0.001
1-least deprived	7,492	1		5,679	1		5,639	1		6,103	1		6,987	1	
2	7,205	1.00 (0.99-1.01)		5,413	0.99 (0.97-1.01)		5,402	1.00 (0.98-1.02)		5,839	0.99 (0.98-1.01)		6,648	0.99 (0.98-1.01)	
3	6,230	1.00 (0.99-1.01)		4,569	0.98 (0.96-1.00)		4,631	0.99 (0.97-1.01)		4,947	0.98 (0.96-1.00)		5,686	0.99 (0.98-1.00)	
4	4,654	0.99 (0.98-1.00)		3,459	0.98 (0.96-1.01)		3,392	0.97 (0.95-1.00)		3,625	0.96 (0.94-0.97)		4,243	0.98 (0.97-1.00)	
5-most deprived	3,268	0.96 (0.95-0.98)		2,426	0.96 (0.94-0.98)		2,427	0.97 (0.95-1.00)		2,511	0.93 (0.90-0.95)		2,962	0.95 (0.94-0.97)	
Risk group			0.008			<0.001			<0.001			<0.001			<0.001
High-risk/Locally advanced	14,333	1		10,738	1		9,933	1		10,893	1		13,313	1	
Intermediate	13,109	1.00 (1.00-1.01)		9,884	1.03 (1.02-1.05)		10,521	1.15 (1.14-1.17)		11,001	1.11 (1.09-1.12)		11,967	0.99 (0.98-1.00)	
Low-risk	1,407	0.98 (0.96-0.99)		924	0.98 (0.94-1.02)		1,037	1.06 (1.03-1.10)		1,131	1.06 (1.03-1.09)		1,246	0.94 (0.92-0.96)	