

BREAST SCREENING RESULTS FROM THE NHSBSP

(England, Wales, Scotland & Northern Ireland)

2002/03

Cancer Screening Evaluation Unit
Institute of Cancer Research
Section of Epidemiology
Brookes Lawley Building
Cotswold Road
Sutton, Surrey SM2 5NG

February 2005

BREAST SCREENING RESULTS FROM THE NHSBSP: 2002/3

Tables include England, Wales, Scotland and Northern Ireland. Note: some data for Scotland are not comparable (see below).

Table 1 : The number of women screened at incident rounds has increased by 6.8 % from the previous year. The number of 'early recall' screens has decreased by 13.4 % (from 3717 in 2001/2 to 3220).

Table 2 : Acceptance rates have remained similar to those of the previous year. The extension of the programme to invite women up to the age of 70 is evident in the increasing number of women in the 65-70 age group now being invited to screening, particularly at the incident round (from 29679 in 2001/02 to 74814).

Table 3 : There has been a small increase in the number of women aged between 50 and 64 screened at the prevalent round (from 292777 in 2001/2 to 294361) and an increase in invasive cancer detection rates from 0.72 to 0.76.

Table 4 : For women screened for the first time following their first invitation, there has been a slight decrease in the referral rate from 8.7 in 2001/2 to 8.6 and an increase in the invasive cancer detection rate from 0.68 to 0.71.

Table 5 : This table presents data for women who attend for screening for the first time having declined a previous invitation. These women account for 15% of all first screens.

Table 6 : The cancer detection rate at incident screens has increased slightly from 0.60 in 2001/2 to 0.65. The rate of referral for assessment has decreased from 4.11 to 3.97. Both of these are likely to be largely due to programmes moving to using 2 views at incident screens.

Table 7 : There has been an increase in the number of women screened at the incident round (within 5 years of their last screen), both in the 50-64 age group (from 953034 in 2001/2 to 986635) and for those aged 65 or over (from 22208 to 43641).

Table 8 : There has been a rise in the percentage of women screened who are aged 65 or over as the age extension is rolled out. As this occurs many older women may be screened more than 5 years since their last routine screen; the number of such women in 2002/3 is more than 7 times greater than in 2001/2 (from 2135 to 15640).

Table 9 : There has been a 14% decrease in the number of women being placed on short-term recall, from 3296 in 2001/2 to 2842.

Table 10 : There has been a 6% decrease in the number of women aged between 50 and 64 who self-refer having never been screened by the programme, from 12734 in 2001/2 to 12006.

Table 11 : As women aged between 65 and 70 continue to be integrated into the programme, a large number are continuing to self-refer, with a 6% increase from last year (from 80393 in 2001/2 to 85151).

Table 12 : Again, there is an increase in the number of women aged between 65 and 70 self-referring, having been screened more than 5 years ago, from 18011 in 2001/2 to 19074 .

Table 13 : Overall, the number of women self-referring in the 50-64 age group appears to be remaining constant and there has been a slight increase in the number doing so aged between 65 and 70 (from 105296 in 2001/2 to 110099).

Table 14 –17 : These tables summarise the performance of the programme at a regional level.

Note that non-operative diagnosis figures for Scotland are not comparable as they include therapeutic as well as diagnostic biopsies and have thus been omitted in these tables. However, overall figures (tables 20-26) do include Scotland.

Table 18 : This table summarises tables 20-26.

Table 19 : Of all women placed on short term recall, the greatest proportion are at the prevalent screen.

Table 20 : For all prevalent screens, there has been a decrease in the proportion of benign biopsies (from 0.29 in 2001/2 to 0.25) and an increase in the proportion of women receiving a non-operative diagnosis of cancer (from 76.1 to 80.02).

Table 21 : There has been a small increase in the incident round non-operative diagnosis rate, from 82.60 in 2001/2 to 84.84.

Table 22 : Fewer women have been placed on early recall compared to 2001/02 (from 3296 to 2842) and there has been a slight increase in the number of these women receiving a non-operative diagnosis of cancer (from 63.3 to 65.22).

Table 23 - 26 : These tables present the assessment outcomes for self/GP referrals. Overall, the majority of women in these tables are aged 65 or over. Over all of these tables, there is a trend for increasing proportions of women to receive non-operative diagnoses of cancer in comparison with 2001/2.

Table 27 : The percentage of cancers with invasive size not known has increased slightly from 2001/2 (from 1.3% to 1.7%).

Table 28 : Over half of all sized invasive cancers detected in women aged between 50 and 64 are less than 15mm and approximately a quarter are less than 10mm.

Table 29 : Overall, the number of women screened has increased by 5%. There has been a slight decrease in the number of women referred for assessment from 5.4 in 2001/2 to 5.2 and an increase in the number of cancers being detected from 0.68 to 0.73.

Table 30 : Total SDRs have increased from previous year; the overall SDR is now 1.32. (Regional configuration has changed, so that we cannot compare SDRs by region with the previous year).

Table 1 Number of women screened by age-group

Age-group	Number of women screened						Total
	By invitation		Self/GP referral				
	First invitation	Previous non-responders	Incident round	No previous screen	Previously screened	Early recall	
Under 50	31250	192	8664	123	223	35	40487
50-54	243690	21868	223119	7700	3195	1491	501063
55-59	4620	15877	464153	2732	7942	776	496100
60-64	2868	5438	354546	1574	8513	575	373514
65-69	349	866	55481	1893	65213	221	124023
70 or over	75	104	3800	3981	39012	122	47094
Total (All ages)	282852	44345	1109763	18003	124098	3220	1582281

Table 2 Acceptance by type of screening

Age-group	1 st screen		Previous non-attenders		Incident Round		Early Recall		Total	
	% acc.	No. invited	% acc.	No. invited	% acc.	No. invited	% acc.	No. invited	% acc.	No. invited
Under 50	73.09	42755	9.19	2090	76.76	11287	97.22	36	71.47	56168
50-54	74.14	328705	32.14	68042	86.75	257192	97.83	1524	74.78	655463
55-59	36.91	12516	18.41	86233	85.75	541305	98.85	785	75.75	640839
60-64	34.12	8405	10.10	53845	83.13	426500	97.96	587	74.27	489337
65-69	27.85	1253	8.52	10166	79.59	69706	98.22	225	69.97	81350
70 or over	31.38	239	10.31	1009	74.39	5108	97.60	125	63.28	6481
Total (50-64)	71.84	349626	20.75	208120	85.05	1224997	98.14	2896	74.99	1785639

Table 3 Outcome of prevalent screens (First invitations and previous non-attenders)

Age-group	No. of women screened	Cancers detected											
		Referred for assessment		In-situ and micro-invasive		Invasive		<15mm (<10mm bracketed)		Total			
		% of screened	No.	% of screened	No.	% of screened	No.	% of screened	No.	% of screened	No.		
Under 50	31442	8.12	2552	0.19	60	0.40	127	0.16	(0.08)	50	(25)	0.60	188
50-54	265558	8.66	23009	0.19	510	0.53	1401	0.28	(0.13)	734	(342)	0.72	1917
55-59	20497	8.06	1652	0.14	28	0.87	179	0.40	(0.20)	81	(40)	1.01	208
60-64	8306	7.75	644	0.24	20	1.19	99	0.59	(0.24)	49	(20)	1.47	122
65-69	1215	8.31	101	0.58	7	1.48	18	0.74	(0.33)	9	(4)	2.06	25
70 or over	179	6.15	11	0.56	1	3.35	6	1.68	(1.12)	3	(2)	3.91	7
Total (50-64)	294361	8.60	25305	0.19	558	0.57	1679	0.29	(0.14)	864	(402)	0.76	2247

Table 4 Outcome of prevalent screens (First invitations)

Age-group	No. of women screened	Cancers detected											
		Referred for assessment		In-situ and micro-invasive		Invasive		<15mm (<10mm bracketed)		Total			
		% of screened	No.	% of screened	No.	% of screened	No.	% of screened	No.	% of screened	No.		
Under 50	31250	8.11	2534	0.19	60	0.40	126	0.16	(0.08)	50	(25)	0.60	187
50-54	243690	8.67	21123	0.19	463	0.51	1248	0.27	(0.12)	648	(297)	0.70	1717
55-59	4620	5.89	272	0.11	5	0.58	27	0.30	(0.13)	14	(6)	0.69	32
60-64	2868	6.90	198	0.21	6	0.87	25	0.56	(0.21)	16	(6)	1.08	31
65-69	349	9.17	32	0.57	2	0.57	2	0.29	(0.00)	1	(0)	1.15	4
70 or over	75	8.00	6	1.33	1	5.33	4	2.67	(1.33)	2	(1)	6.67	5
Total (50-64)	251178	8.60	21593	0.19	474	0.52	1300	0.27	(0.12)	678	(309)	0.71	1780

Table 5 Outcome of prevalent screens (Previous non-responders)

Age-group	No. of women screened	Cancers detected											
		Referred for assessment		In-situ and micro-invasive		Invasive		<15mm (<10mm bracketed)		Total			
		% of screened	No.	% of screened	No.	% of screened	No.	% of screened	No.	% of screened	No.		
Under 50	192	9.38	18	0.00	0	0.52	1	0.00	(0.00)	0	(0)	0.52	1
50-54	21868	8.62	1886	0.21	47	0.70	153	0.39	(0.21)	86	(45)	0.91	200
55-59	15877	8.69	1380	0.14	23	0.96	152	0.42	(0.21)	67	(34)	1.11	176
60-64	5438	8.20	446	0.26	14	1.36	74	0.61	(0.26)	33	(14)	1.67	91
65-69	866	7.97	69	0.58	5	1.85	16	0.92	(0.46)	8	(4)	2.42	21
70 or over	104	4.81	5	0.00	0	1.92	2	0.96	(0.96)	1	(1)	1.92	2
Total (50-64)	43183	8.60	3712	0.19	84	0.88	379	0.43	(0.22)	186	(93)	1.08	467

Table 6 Outcome of all incident screens

Age-group	No. of women screened	Cancers detected											
		Referred for assessment		In-situ and micro-invasive		Invasive		<15mm (<10mm bracketed)		Total			
		% of screened	No.	% of screened	No.	% of screened	No.	% of screened	No.	% of screened	No.		
Under 50	8664	2.91	252	0.01	1	0.12	10	0.06	(0.01)	5	(1)	0.13	11
50-54	223119	4.07	9090	0.12	257	0.36	800	0.20	(0.09)	436	(211)	0.47	1058
55-59	464153	3.96	18367	0.13	615	0.49	2265	0.26	(0.12)	1220	(562)	0.62	2888
60-64	354546	3.91	13880	0.15	515	0.65	2313	0.36	(0.16)	1289	(573)	0.80	2837
65-69	55481	4.01	2227	0.19	103	0.89	494	0.50	(0.22)	277	(124)	1.08	599
70 or over	3800	4.34	165	0.13	5	1.00	38	0.61	(0.34)	23	(13)	1.13	43
Total (50-64)	1041818	3.97	41337	0.13	1387	0.52	5378	0.28	(0.13)	2945	(1346)	0.65	6783

Table 7 Outcome of incident screens (within 5 yrs. of previous screen)

Age-group	No. of women screened	Cancers detected											
		Referred for assessment		In-situ and micro-invasive		Invasive		<15mm (<10mm bracketed)		Total			
		% of screened	No.	% of screened	No.	% of screened	No.	% of screened	No.	% of screened	No.		
Under 50	8360	2.93	245	0.01	1	0.11	9	0.06	(0.01)	5	(1)	0.12	10
50-54	218718	4.05	8866	0.11	251	0.36	784	0.20	(0.09)	428	(207)	0.47	1036
55-59	437600	3.87	16921	0.13	569	0.48	2085	0.26	(0.12)	1125	(513)	0.61	2661
60-64	330317	3.81	12601	0.14	470	0.64	2113	0.36	(0.16)	1188	(531)	0.78	2591
65-69	42280	3.60	1523	0.17	70	0.74	314	0.43	(0.20)	180	(86)	0.91	386
70 or over	1361	3.67	50	0.00	0	0.81	11	0.59	(0.22)	8	(3)	0.81	11
Total (50-64)	986635	3.89	38388	0.13	1290	0.50	4982	0.28	(0.13)	2741	(1251)	0.64	6288

Table 8 Outcome of incident screens (more than 5 yrs. from previous screen)

Age-group	No. of women screened	Cancers detected											
		Referred for assessment		In-situ and micro-invasive		Invasive		<15mm (<10mm bracketed)		Total			
		% of screened	No.	% of screened	No.	% of screened	No.	% of screened	No.	% of screened	No.		
Under 50	304	2.30	7	0.00	0	0.33	1	0.00	(0.00)	0	(0)	0.33	1
50-54	4401	5.09	224	0.14	6	0.36	16	0.18	(0.09)	8	(4)	0.50	22
55-59	26553	5.45	1446	0.17	46	0.68	180	0.36	(0.18)	95	(49)	0.85	227
60-64	24229	5.28	1279	0.19	45	0.83	200	0.42	(0.17)	101	(42)	1.02	246
65-69	13201	5.33	704	0.25	33	1.36	180	0.73	(0.29)	97	(38)	1.61	213
70 or over	2439	4.72	115	0.21	5	1.11	27	0.62	(0.41)	15	(10)	1.31	32
Total (50-64)	55183	5.34	2949	0.18	97	0.72	396	0.37	(0.17)	204	(95)	0.90	495

Table 9 Outcome of early recalls

Age-group	No. of women screened	Cancers detected											
		Referred for assessment		In-situ and micro-invasive		Invasive		<15mm (<10mm bracketed)			Total		
		% of screened	No.	% of screened	No.	% of screened	No.	% of screened	No.	% of screened	No.		
Under 50	35	94.29	33	0.00	0	0.00	0	0.00	(0.00)	0	(0)	0.00	0
50-54	1491	91.88	1370	0.47	7	1.07	16	0.74	(0.40)	11	(6)	1.61	24
55-59	776	90.59	703	0.90	7	1.80	14	1.16	(0.52)	9	(4)	2.71	21
60-64	575	91.30	525	1.04	6	3.13	18	2.61	(1.22)	15	(7)	4.17	24
65-69	221	89.59	198	2.71	6	3.17	7	1.81	(1.81)	4	(4)	5.88	13
70 or over	122	87.70	107	1.64	2	3.28	4	2.46	(1.64)	3	(2)	5.74	7
Total (50-64)	2842	91.41	2598	0.70	20	1.69	48	1.23	(0.60)	35	(17)	2.43	69

Table 10 Outcome of self/GP referrals (not previously screened)

Age-group	No. of women screened	Cancers detected											
		Referred for assessment		In-situ and micro-invasive		Invasive		<15mm (<10mm bracketed)			Total		
		% of screened	No.	% of screened	No.	% of screened	No.	% of screened	No.	% of screened	No.		
Under 50	123	8.94	11	0.81	1	0.81	1	0.81	(0.81)	1	(1)	1.63	2
50-54	7700	8.30	639	0.13	10	0.58	45	0.25	(0.10)	19	(8)	0.71	55
55-59	2732	7.32	200	0.22	6	0.92	25	0.55	(0.37)	15	(10)	1.13	31
60-64	1574	7.12	112	0.19	3	0.95	15	0.51	(0.25)	8	(4)	1.14	18
65-69	1893	6.34	120	0.16	3	1.27	24	0.42	(0.26)	8	(5)	1.43	27
70 or over	3981	9.07	361	0.38	15	1.91	76	0.90	(0.48)	36	(19)	2.34	93
Total (50-64)	12006	7.92	951	0.16	19	0.71	85	0.35	(0.18)	42	(22)	0.87	104

Table 11 Outcome of self/GP referrals (within 5 yrs. of previous screen)

Age-group	No. of women screened	Cancers detected											
		Referred for assessment		In-situ and micro-invasive		Invasive		<15mm (<10mm bracketed)		Total			
		% of screened	No.	% of screened	No.	% of screened	No.	% of screened	No.	% of screened	No.		
Under 50	214	1.40	3	0.00	0	0.00	0	0.00	(0.00)	0	(0)	0.00	0
50-54	3142	4.65	146	0.13	4	0.38	12	0.16	(0.06)	5	(2)	0.51	16
55-59	7076	4.56	323	0.16	11	0.51	36	0.23	(0.10)	16	(7)	0.66	47
60-64	7549	4.49	339	0.23	17	0.85	64	0.65	(0.32)	49	(24)	1.07	81
65-69	57348	4.43	2540	0.17	97	0.85	487	0.45	(0.20)	256	(112)	1.02	587
70 or over	27803	4.29	1193	0.22	62	0.90	251	0.52	(0.23)	145	(63)	1.13	313
Total (50-64)	17767	4.55	808	0.18	32	0.63	112	0.39	(0.19)	70	(33)	0.81	144

Table 12 Outcome of self/GP referrals (more than 5 yrs. from previous screen)

Age-group	No. of women screened	Cancers detected											
		Referred for assessment		In-situ and micro-invasive		Invasive		<15mm (<10mm bracketed)			Total		
		% of screened	No.	% of screened	No.	% of screened	No.	% of screened	No.	% of screened	No.		
Under 50	9	11.11	1	0.00	0	0.00	0	0.00	(0.00)	0	(0)	0.00	0
50-54	53	3.77	2	0.00	0	1.89	1	1.89	(0.00)	1	(0)	1.89	1
55-59	866	6.47	56	0.12	1	0.35	3	0.23	(0.00)	2	(0)	0.46	4
60-64	964	5.39	52	0.00	0	1.14	11	0.73	(0.21)	7	(2)	1.14	11
65-69	7865	6.03	474	0.32	25	1.13	89	0.76	(0.34)	60	(27)	1.45	114
70 or over	11209	7.45	835	0.29	32	1.70	191	0.78	(0.30)	87	(34)	2.01	225
Total (50-64)	1883	5.84	110	0.05	1	0.80	15	0.53	(0.11)	10	(2)	0.85	16

Table 13 Outcome of all self/GP referrals by screening history

Age-group	No. of women screened	Cancers detected											
		Referred for assessment		In-situ and micro-invasive		Invasive		<15mm (<10mm bracketed)		Total			
		% of screened	No.	% of screened	No.	% of screened	No.	% of screened	No.	% of screened	No.		
50-64													
No previous screen	12006	7.92	951	0.16	19	0.71	85	0.35	(0.18)	42	(22)	0.87	104
Previous screen	19650	4.67	918	0.17	33	0.65	127	0.41	(0.18)	80	(35)	0.81	160
65 or over													
No previous screen	5874	8.19	481	0.31	18	1.7	100	0.75	(0.41)	44	(24)	2.04	120
Previous screen	104225	4.84	5042	0.21	216	0.98	1018	0.53	(0.23)	548	(236)	1.19	1239

Table 14 Outcome of prevalent screens (First invitations and previous non-attenders) by region, ages 50-64

Region	Acceptance	Referral	Benign Biopsy	Non-operative diagnosis	Cancer detection rate per 1000 screened
	% of screened	% of screened	% of screened	% of cancers	
North East, Yorkshire & Humber	55.68	7.45	0.28	89.17	6.30
East Midlands	60.78	8.00	0.22	93.33	6.45
West Midlands	53.87	7.41	0.29	91.41	4.95
North West	52.46	9.43	0.29	86.27	5.90
East of England	55.61	8.59	0.25	90.78	5.58
London	39.29	8.14	0.21	85.99	5.16
South East	55.12	9.15	0.22	88.71	5.61
South West	56.73	9.53	0.26	86.25	5.21
Scotland*	56.09	10.84	0.25	-	6.07
Wales	55.36	7.45	0.25	88.29	5.99
Northern Ireland	50.89	6.38	0.30	83.93	5.44

* Data omitted where not comparable

Table 15 Outcome of prevalent screens (first invitations) by region, ages 50-64

Region	Acceptance	Referral	Benign Biopsy	Non-operative diagnosis	Cancer detection rate per 1000 screened
	% of screened	% of screened	% of screened	% of cancers	
North East, Yorkshire & Humber	75.7	7.40	0.28	88.03	5.84
East Midlands	77.84	7.86	0.21	93.46	5.92
West Midlands	74.14	7.31	0.30	91.87	4.26
North West	72.43	9.40	0.29	84.24	5.27
East of England	73.91	8.67	0.27	94.12	4.94
London	56.75	8.20	0.21	84.54	4.74
South East	72.19	9.29	0.22	87.93	5.02
South West	74.64	9.58	0.27	85.27	4.67
Scotland*	76.12	10.82	0.27	-	5.56
Wales	75.11	7.39	0.26	88.76	5.62
Northern Ireland	70.68	6.42	0.30	80.43	5.19

* Data omitted where not comparable

Table 16 Outcome of all incident screens by region, ages 50-64

Region	Acceptance	Referral	Benign Biopsy	Non-operative diagnosis	Cancer detection rate per 1000 screened
	% of screened	% of screened	% of screened	% of cancers	
North East, Yorkshire & Humber	86.35	3.43	0.07	92.86	4.89
East Midlands	88.02	3.81	0.08	93.84	5.05
West Midlands	86.01	3.47	0.09	91.89	4.83
North West	85.18	4.48	0.09	89.88	5.25
East of England	85.97	4.19	0.10	91.04	5.27
London	76.93	4.00	0.07	90.33	5.23
South East	85.76	3.94	0.07	91.17	4.79
South West	85.54	4.47	0.09	93.39	6.09
Scotland*	85.03	4.38	0.08	-	5.03
Wales	86.79	3.98	0.09	92.46	6.20
Northern Ireland	85.00	2.64	0.04	89.92	4.50

* Data omitted where not comparable

Table 17 Outcome of all self/GP referrals by region, ages 50-64

Region	Referral	Benign Biopsy	Non-operative diagnosis	Cancer detection rate per 1000 screened
	% of screened	% of screened	% of cancers	
North East, Yorkshire & Humber	5.34	0.14	93.02	7.65
East Midlands	5.11	0.11	91.67	4.89
West Midlands	4.89	0.19	100	6.30
North West	6.28	0.25	86.49	9.50
East of England	5.98	0.21	90.00	9.38
London	5.65	0.13	90.00	4.60
South East	6.01	0.19	90.63	4.84
South West	6.10	0.11	83.78	7.73
Scotland*	9.47	0.11	-	4.43
Wales	4.70	0.36	100	6.50
Northern Ireland	5.26	0.00	87.50	12.7

* Data omitted where not comparable

Table 18 Assessment outcomes, ages 50-64

	No. of women screened	Referred for cytology/ open biopsy		Benign biopsy		Non-operative diagnosis	
		% of screened	No.	% of screened	No.	% all cancers	No.
Prevalent	294361	3.45	10168	0.25	740	80.02	1798
Incident	1041818	1.43	14931	0.08	842	84.84	5755
Self/GP referral	31656	2.25	712	0.17	53	85.98	227
Early recall	2842	12.49	355	1.69	48	65.22	45

Table 19 Women placed on early recall, ages 50-64

	No. of women Screened	Early recall following initial screen		Early recall following assessment		Total	
		% of screened	No.	% of screened	No.	% of screened	No.
Prevalent	294361	0.00	0	0.37	1087	0.37	1087
Incident	1041818	0.00	1	0.12	1259	0.12	1260
Self/GP referral	31656	0.00	1	0.18	57	0.18	58
Early recall	2842	0.25	7	5.10	145	5.35	152

Table 20 Assessment outcomes of prevalent screens (First invitations and previous non-attenders)

	No. of women screened	Referred for cytology/ open biopsy		Benign biopsy		Non-operative diagnosis	
		% of screened	No.	% of screened	No.	% all cancers	No.
Under 50	31442	3.10	975	0.22	68	85.64	161
50-54	265558	3.45	9175	0.26	689	79.60	1526
55-59	20497	3.32	680	0.19	38	85.10	177
60-64	8306	3.77	313	0.16	13	77.87	95
65-69	1215	4.44	54	0.25	3	92.00	23
70 or over	179	5.03	9	0.00	0	85.71	6
Total (50-64)	294361	3.45	10168	0.25	740	80.02	1798

Table 21 Assessment outcomes of all incident screens

	No. of women screened	Referred for cytology/ open biopsy		Benign biopsy		Non-operative diagnosis	
		% of screened	No.	% of screened	No.	% all cancers	No.
Under 50	8664	0.57	49	0.10	9	100	11
50-54	223119	1.22	2716	0.07	164	85.07	900
55-59	464153	1.41	6560	0.08	394	85.25	2462
60-64	354546	1.59	5655	0.08	284	84.35	2393
65-69	55481	1.89	1051	0.09	51	92.82	556
70 or over	3800	2.24	85	0.11	4	90.70	39
Total (50-64)	1041818	1.43	14931	0.08	842	84.84	5755

Table 22 Assessment outcomes of early recalls

	No. of women screened	Referred for cytology/ open biopsy		Benign biopsy		Non-operative diagnosis	
		% of screened	No.	% of screened	No.	% all cancers	No.
Under 50	35	11.43	4	2.86	1	0.00	0
50-54	1491	12.47	186	2.08	31	54.17	13
55-59	776	11.34	88	1.29	10	76.19	16
60-64	575	14.09	81	1.22	7	66.67	16
65-69	221	14.48	32	0.90	2	69.23	9
70 or over	122	17.21	21	1.64	2	85.71	6
Total (50-64)	2842	12.49	355	1.69	48	65.22	45

Table 23 Assessment outcomes of all self/GP referrals

	No. of women screened	Referred for cytology/ open biopsy		Benign biopsy		Non-operative diagnosis	
		% of screened	No.	% of screened	No.	% all cancers	No.
Under 50	346	1.73	6	0.00	0	100	2
50-54	10895	2.54	277	0.19	21	77.78	56
55-59	10674	2.00	213	0.17	18	85.37	70
60-64	10087	2.20	222	0.14	14	91.82	101
65-69	67106	2.10	1411	0.08	55	82.28	599
70 or over	42993	2.67	1148	0.10	43	85.58	540
Total (50-64)	31656	2.25	712	0.17	53	85.98	227

Table 24 Assessment outcomes of referrals (not previously screened)

	No. of women screened	Referred for cytology/ open biopsy		Benign biopsy		Non-operative diagnosis	
		% of screened	No.	% of screened	No.	% all cancers	No.
Under 50	123	4.07	5	0.00	0	100	2
50-54	7700	2.97	229	0.25	19	78.18	43
55-59	2732	3.11	85	0.22	6	87.10	27
60-64	1574	3.37	53	0.32	5	88.89	16
65-69	1893	2.75	52	0.11	2	96.30	26
70 or over	3981	4.57	182	0.13	5	89.25	83
Total (50-64)	12006	3.06	367	0.25	30	82.69	86

Table 25 Assessment outcomes of referrals (within 5 yrs. of previous screen)

	No. of women screened	Referred for cytology/ open biopsy		Benign biopsy		Non-operative diagnosis	
		% of screened	No.	% of screened	No.	% all cancers	No.
Under 50	214	0.00	0	0.00	0	0.00	0
50-54	3142	1.46	46	0.06	2	81.25	13
55-59	7076	1.65	117	0.17	12	82.98	39
60-64	7549	1.89	143	0.08	6	91.36	74
65-69	57348	1.98	1133	0.08	44	81.43	478
70 or over	27803	2.05	570	0.08	21	82.11	257
Total (50-64)	17767	1.72	306	0.11	20	87.50	126

Table 26 Assessment outcomes of referrals (more than 5 yrs. from previous screen)

	No. of women screened	Referred for cytology/ open biopsy		Benign biopsy		Non-operative diagnosis	
		% of screened	No.	% of screened	No.	% all cancers	No.
Under 50	9	11.11	1	0.00	0	0.00	0
50-54	53	3.77	2	0.00	0	0.00	0
55-59	866	1.27	11	0.00	0	100	4
60-64	964	2.70	26	0.31	3	100	11
65-69	7865	2.87	226	0.11	9	83.33	95
70 or over	11209	3.53	396	0.15	17	88.89	200
Total (50-64)	1883	2.07	39	0.16	3	93.75	15

Table 27 Number and percentage of cancers; insitu, invasive status not known or size not known, ages 50-64

	In-situ/ microinvasive		Invasive status not known		Invasive size not known		Total cancers
	No.	% of cancers	No.	% of cancers	No.	% of cancers	
Prevalent	558	24.83	10	0.45	43	1.91	2247
Incident	1387	20.45	18	0.27	106	1.56	6783
Self/GP referral	52	19.70	0	0.00	5	1.89	264
Early recall	20	28.99	1	1.45	1	1.45	69

Table 28 Percentage of sized invasive cancers <10mm and <15mm, ages 50-64

	Invasive Cancers	<10mm		<15mm	
		No.	%	No.	%
Prevalent	1679	402	24.57	864	52.81
Incident	5378	1346	25.53	2945	55.86
Self/GP referral	212	57	27.54	122	58.94
Early recall	48	17	36.17	35	74.47

Table 29 Total screening activity - all ages

Age-group	No. of women screened	Cancers detected											
		Referred for assessment		In-situ and micro-invasive		Invasive		<15mm (<10mm bracketed)		Total			
		% of screened	No.	% of screened	No.	% of screened	No.	% of screened	No.	% of screened	No.		
Under 50	40487	7.04	2852	0.15	62	0.34	138	0.14	(0.07)	56	(27)	0.50	201
50-64	1370677	5.19	71109	0.15	2017	0.53	7317	0.29	(0.13)	3966	(1822)	0.68	9363
65-69	124023	4.56	5660	0.19	241	0.90	1119	0.50	(0.22)	614	(276)	1.10	1365
70 or over	47094	5.67	2672	0.25	117	1.20	566	0.63	(0.28)	297	(133)	1.46	688
Total (All ages)	1582281	5.2	82293	0.15	2437	0.58	9140	0.31	(0.14)	4933	(2258)	0.73	11617

Table 30 Standardised Detection Ratio, by region, ages 50-64

Region	Prevalent	Incident	Overall
North East, Yorkshire & Humber	1.61	1.23	1.31
East Midlands	1.65	1.28	1.36
West Midlands	1.26	1.20	1.21
North West	1.49	1.32	1.36
East of England	1.41	1.30	1.32
London	1.22	1.30	1.28
South East	1.38	1.19	1.23
South West	1.32	1.53	1.48
Scotland	1.49	1.26	1.32
Wales	1.53	1.56	1.55
Northern Ireland	1.34	1.12	1.18
Total	1.43	1.29	1.32
(Total 2001/02)	(1.35)	(1.18)	(1.22)