

DRAFT - CONFIDENTIAL

BREAST SCREENING RESULTS FROM THE NHSBSP

(England, Wales, Scotland & Northern Ireland)

2005/06

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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	Short-term recall	
Under 50	33171	38	501	143	15	9	33877
50-54	253536	21211	214384	8328	2629	957	501045
55-59	5246	17400	501132	2786	7871	558	534993
60-64	3064	5838	412023	1527	6637	433	429522
65-70	2908	4106	339113	1547	25032	379	373085
71 or over	44	28	1289	3471	47838	93	52763
Total (All ages)	297969	48621	1468442	17802	90022	2429	1925285

Table 2 **Acceptance by type of screening**

Age-group	1st screen		Previous non-attenders		Incident Round		Short-term Recall		Total	
	% acc.	No. invited	% acc.	No. invited	% acc.	No. invited	% acc.	No. invited	% acc.	No. invited
Under 50	73.3	45253	23.5	162	76.8	652	100.0	9	73.2	46076
50-54	74.6	339817	32.7	64786	86.3	248426	98.3	974	74.9	654003
55-59	36.0	14575	19.4	89884	85.5	586108	98.2	568	75.9	691135
60-64	32.9	9303	10.6	55061	83.7	492269	97.3	445	75.6	557078
65-70	32.0	9079	8.9	46311	80.1	423129	97.9	387	72.4	478906
71 or over	50.0	88	17.6	159	81.4	1584	93.9	99	75.3	1930
Total (50-64)	72.0	363695	21.2	209731	85.0	1326803	98.0	1987	75.5	1902216
Total (50-70)	71.0	372774	19.0	256042	83.8	1749932	98.0	2374	74.9	2381122

Table 3 Outcome of prevalent screens (First invitation 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	33209	8.5	2813	0.21	71	0.45	148	0.20	(0.10)	68	(34)	0.66	220
50-54	274747	8.4	23094	0.21	581	0.51	1395	0.25	(0.11)	689	(290)	0.72	1984
55-59	22646	7.7	1750	0.20	45	0.78	177	0.35	(0.18)	79	(40)	0.98	223
60-64	8902	8.0	711	0.18	16	1.25	111	0.60	(0.30)	53	(27)	1.43	127
65-70	7014	8.0	562	0.33	23	1.28	90	0.48	(0.26)	34	(18)	1.61	113
71 or over	72	1.4	1	0.00	0	0.00	0	0.00	(0.00)	0	(0)	0.00	0
Total (50-64)	306295	8.3	25555	0.21	642	0.55	1683	0.27	(0.12)	821	(357)	0.76	2334
Total (50-70)	313309	8.3	26117	0.21	665	0.57	1773	0.27	(0.12)	855	(375)	0.78	2447

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	33171	8.5	2810	0.21	71	0.45	148	0.20	(0.10)	68	(34)	0.66	220
50-54	253536	8.4	21363	0.21	538	0.50	1259	0.24	(0.10)	618	(262)	0.71	1805
55-59	5246	6.4	337	0.19	10	0.71	37	0.25	(0.10)	13	(5)	0.90	47
60-64	3064	6.0	185	0.07	2	0.91	28	0.55	(0.33)	17	(10)	0.98	30
65-70	2908	7.4	215	0.41	12	1.20	35	0.48	(0.24)	14	(7)	1.62	47
71 or over	44	2.3	1	0.00	0	0.00	0	0.00	(0.00)	0	(0)	0.00	0
Total (50-64)	261846	8.4	21885	0.21	550	0.51	1324	0.25	(0.11)	648	(277)	0.72	1882
Total (50-70)	264754	8.4	22100	0.21	562	0.51	1359	0.25	(0.11)	662	(284)	0.73	1929

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	38	7.9	3	0.00	0	0.00	0	0.00	(0.00)	0	(0)	0.00	0
50-54	21211	8.2	1731	0.20	43	0.64	136	0.33	(0.13)	71	(28)	0.84	179
55-59	17400	8.1	1413	0.20	35	0.80	140	0.38	(0.20)	66	(35)	1.01	176
60-64	5838	9.0	526	0.24	14	1.42	83	0.62	(0.29)	36	(17)	1.66	97
65-70	4106	8.5	347	0.27	11	1.34	55	0.49	(0.27)	20	(11)	1.61	66
71 or over	28	0.0	0	0.00	0	0.00	0	0.00	(0.00)	0	(0)	0.00	0
Total (50-64)	44449	8.3	3670	0.21	92	0.81	359	0.39	(0.18)	173	(80)	1.02	452
Total (50-70)	48555	8.3	4017	0.21	103	0.85	414	0.40	(0.19)	193	(91)	1.07	518

Table 6 Outcome of 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	501	3.4	17	0.00	0	0.20	1	0.20	(0.00)	1	(0)	0.20	1
50-54	214384	3.7	7842	0.12	264	0.38	806	0.20	(0.09)	424	(193)	0.50	1070
55-59	501132	3.4	16945	0.14	694	0.52	2599	0.27	(0.14)	1378	(679)	0.66	3303
60-64	412023	3.6	14786	0.16	672	0.68	2794	0.37	(0.18)	1535	(741)	0.84	3476
65-70	339113	4.1	13919	0.20	689	0.91	3102	0.50	(0.23)	1692	(792)	1.12	3807
71 or over	1289	5.4	69	0.39	5	1.16	15	0.54	(0.31)	7	(4)	1.55	20
Total (50-64)	1127539	3.5	39573	0.14	1630	0.55	6199	0.30	(0.14)	3337	(1613)	0.70	7849
Total (50-70)	1466652	3.7	53492	0.16	2319	0.63	9301	0.34	(0.16)	5029	(2405)	0.79	11656

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	331	3.0	10	0.00	0	0.30	1	0.30	(0.00)	1	(0)	0.30	1
50-54	207915	3.6	7451	0.12	251	0.37	766	0.19	(0.09)	403	(179)	0.49	1017
55-59	468153	3.3	15415	0.13	627	0.51	2388	0.27	(0.13)	1264	(626)	0.65	3024
60-64	380646	3.4	13112	0.16	600	0.66	2507	0.37	(0.18)	1393	(680)	0.82	3114
65-70	238926	3.6	8507	0.17	412	0.76	1815	0.44	(0.21)	1041	(490)	0.94	2235
71 or over	479	3.8	18	0.42	2	0.63	3	0.63	(0.42)	3	(2)	1.04	5
Total (50-64)	1056714	3.4	35978	0.14	1478	0.54	5661	0.29	(0.14)	3060	(1485)	0.68	7155
Total (50-70)	1295640	3.4	44485	0.15	1890	0.58	7476	0.32	(0.15)	4101	(1975)	0.72	9390

Table 8 Outcome of incident screens (more than 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	170	4.1	7	0.00	0	0.00	0	0.00	(0.00)	0	(0)	0.00	0
50-54	6469	6.0	391	0.20	13	0.62	40	0.32	(0.22)	21	(14)	0.82	53
55-59	32979	4.6	1530	0.20	67	0.64	211	0.35	(0.16)	114	(53)	0.85	279
60-64	31377	5.3	1674	0.23	72	0.91	287	0.45	(0.19)	142	(61)	1.15	362
65-70	100187	5.4	5412	0.28	277	1.28	1287	0.65	(0.30)	651	(302)	1.57	1572
71 or over	810	6.3	51	0.37	3	1.48	12	0.49	(0.25)	4	(2)	1.85	15
Total (50-64)	70825	5.1	3595	0.21	152	0.76	538	0.39	(0.18)	277	(128)	0.98	694
Total (50-70)	171012	5.3	9007	0.25	429	1.07	1825	0.54	(0.25)	928	(430)	1.33	2266

Table 9 Outcome of Short-term 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	9	77.8	7	0.00	0	0.00	0	0.00	(0.00)	0	(0)	0.00	0
50-54	957	85.5	818	0.63	6	1.04	10	0.42	(0.31)	4	(3)	1.67	16
55-59	558	84.4	471	1.25	7	2.33	13	1.25	(0.36)	7	(2)	3.58	20
60-64	433	87.5	379	2.31	10	5.31	23	3.23	(2.31)	14	(10)	7.62	33
65-70	379	84.2	319	1.85	7	3.96	15	3.17	(1.85)	12	(7)	5.80	22
71 or over	93	83.9	78	1.08	1	3.23	3	1.08	(0.00)	1	(0)	4.30	4
Total (50-64)	1948	85.6	1668	1.18	23	2.36	46	1.28	(0.77)	25	(15)	3.54	69
Total (50-70)	2327	85.4	1987	1.29	30	2.62	61	1.59	(0.95)	37	(22)	3.91	91

Table 10 Outcome of self/GP referrals

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	158	5.1	8	0.63	1	0.63	1	0.00	(0.00)	0	(0)	1.27	2
50-54	10957	7.6	836	0.16	17	0.56	61	0.28	(0.14)	31	(15)	0.71	78
55-59	10657	5.3	563	0.11	12	0.65	69	0.36	(0.16)	38	(17)	0.76	81
60-64	8164	5.2	427	0.16	13	1.24	101	0.61	(0.28)	50	(23)	1.41	115
65-70	26579	4.8	1273	0.24	63	1.16	309	0.54	(0.23)	144	(62)	1.40	373
71 or over	51309	5.3	2696	0.24	123	1.42	727	0.69	(0.31)	353	(161)	1.66	854
Total (50-64)	29778	6.1	1826	0.14	42	0.78	231	0.40	(0.18)	119	(55)	0.92	274
Total (50-70)	56357	5.5	3099	0.19	105	0.96	540	0.47	(0.21)	263	(117)	1.15	647

Table 11 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	143	4.9	7	0.00	0	0.70	1	0.00	(0.00)	0	(0)	0.70	1
50-54	8328	8.4	697	0.19	16	0.55	46	0.26	(0.14)	22	(12)	0.74	62
55-59	2786	7.4	207	0.11	3	0.75	21	0.43	(0.11)	12	(3)	0.86	24
60-64	1527	6.4	97	0.20	3	1.44	22	0.85	(0.52)	13	(8)	1.64	25
65-70	1547	7.4	115	0.19	3	1.55	24	0.58	(0.39)	9	(6)	1.81	28
71 or over	3471	9.2	318	0.37	13	2.30	80	0.69	(0.29)	24	(10)	2.71	94
Total (50-64)	12641	7.9	1001	0.17	22	0.70	89	0.37	(0.18)	47	(23)	0.88	111
Total (50-70)	14188	7.9	1116	0.18	25	0.80	113	0.39	(0.20)	56	(29)	0.98	139

Table 12 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	14	7.1	1	7.14	1	0.00	0	0.00	(0.00)	0	(0)	7.14	1
50-54	2532	5.3	133	0.04	1	0.55	14	0.36	(0.12)	9	(3)	0.59	15
55-59	6722	4.2	281	0.09	6	0.49	33	0.25	(0.13)	17	(9)	0.58	39
60-64	5434	4.7	253	0.15	8	1.14	62	0.52	(0.28)	28	(15)	1.31	71
65-70	19501	4.2	820	0.19	37	1.08	210	0.50	(0.20)	98	(39)	1.27	247
71 or over	35633	4.1	1447	0.19	67	1.09	388	0.61	(0.28)	218	(98)	1.28	455
Total (50-64)	14688	4.5	667	0.10	15	0.74	109	0.37	(0.18)	54	(27)	0.85	125
Total (50-70)	34189	4.4	1487	0.15	52	0.93	319	0.44	(0.19)	152	(66)	1.09	372

Table 13 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	1	0.0	0	0.00	0	0.00	0	0.00	(0.00)	0	(0)	0.00	0
50-54	97	6.2	6	0.00	0	1.03	1	0.00	(0.00)	0	(0)	1.03	1
55-59	1149	6.5	75	0.26	3	1.31	15	0.78	(0.44)	9	(5)	1.57	18
60-64	1203	6.4	77	0.17	2	1.41	17	0.75	(0.00)	9	(0)	1.58	19
65-70	5531	6.1	338	0.42	23	1.36	75	0.67	(0.31)	37	(17)	1.77	98
71 or over	12205	7.6	931	0.35	43	2.12	259	0.91	(0.43)	111	(53)	2.50	305
Total (50-64)	2449	6.5	158	0.20	5	1.35	33	0.73	(0.20)	18	(5)	1.55	38
Total (50-70)	7980	6.2	496	0.35	28	1.35	108	0.69	(0.28)	55	(22)	1.70	136

Table 14 Outcome of self/GP referrals by screening history

Age-group	No. of women screened	Referred for assessment		Cancers detected									
		% of screened	No.	In-situ and micro-invasive		Invasive		<15mm (<10mm bracketed)		Total			
				% of screened	No.	% of screened	No.	% of screened	No.	% of screened	No.		
50-70													
No previous screen	14188	7.9	1116	0.18	25	0.80	113	0.39	(0.20)	56	(29)	0.98	139
Previous screen	42169	4.7	1983	0.19	80	1.01	427	0.49	(0.21)	207	(88)	1.20	508
71 or over													
No previous screen	3471	9.2	318	0.37	13	2.30	80	0.69	(0.29)	24	(10)	2.71	94
Previous screen	47838	5.0	2378	0.23	110	1.35	647	0.69	(0.32)	329	(151)	1.59	760

Table 15 Outcome of prevalent screens (First invitation and previous non-responders) by region, ages 50-70

Region	Acceptance	Referral	Benign Biopsy	Non-operative diagnosis	Invasive Cancer detection rate per 1000 screened
	% of screened	% of screened	% of screened	% of cancers	
North East, Yorkshire & Humber	51.4	6.7	0.23	92.2	5.8
East Midlands	55.0	7.8	0.20	92.1	6.4
West Midlands	49.1	7.4	0.20	88.5	5.2
North West	47.9	8.0	0.17	90.4	5.8
East of England	53.2	9.1	0.23	89.2	5.5
London	37.4	8.0	0.21	88.6	5.0
South East	52.0	8.8	0.20	89.9	5.9
South West	55.7	9.6	0.17	90.3	5.4
Scotland ¹	55.1	10.0	0.21	-	6.5
Wales	49.1	7.9	0.18	92.6	5.3
Northern Ireland	53.3	7.8	0.09	91.8	4.6

¹ Data omitted where not comparable

Table 16 Outcome of prevalent screens (First invitations) by region, ages 50-70

Region	Acceptance	Referral	Benign Biopsy	Non-operative diagnosis	Invasive Cancer detection rate per 1000 screened
	% of screened	% of screened	% of screened	% of cancers	
North East, Yorkshire & Humber	74.8	6.7	0.24	91.4	5.3
East Midlands	75.9	7.7	0.20	90.6	5.4
West Midlands	72.3	7.4	0.19	87.2	5.0
North West	71.2	7.9	0.17	89.2	5.0
East of England	72.9	9.1	0.22	88.4	4.8
London	55.5	7.9	0.22	87.9	4.8
South East	72.2	9.0	0.22	89.0	5.6
South West	72.2	9.5	0.17	88.7	4.9
Scotland ²	77.4	10.3	0.22	-	6.0
Wales	72.9	7.8	0.20	91.8	4.8
Northern Ireland	72.4	7.9	0.07	94.3	3.7

² Data omitted where not comparable

Table 17 Outcome of incident screens by region, ages 50-70

Region	Acceptance	Referral	Benign Biopsy	Non-operative diagnosis	Invasive Cancer detection rate per 1000 screened
	% of screened	% of screened	% of screened	% of cancers	
North East, Yorkshire & Humber	85.0	3.0	0.06	94.8	6.2
East Midlands	85.7	3.8	0.06	95.9	6.6
West Midlands	84.3	3.3	0.05	96.0	6.3
North West	83.3	3.8	0.08	93.9	6.2
East of England	85.4	3.9	0.09	93.4	6.5
London	75.1	3.3	0.07	94.4	6.1
South East	84.9	3.8	0.08	94.5	6.7
South West	85.5	4.3	0.08	94.8	6.4
Scotland ³	85.0	4.0	0.06	-	5.9
Wales	83.6	3.6	0.05	96.1	6.5
Northern Ireland	84.3	3.0	0.03	96.7	5.4

³ Data omitted where not comparable

Table 18 Outcome of self/GP referrals by region, ages 50-70

Region	Referral	Benign Biopsy	Non-operative diagnosis	Invasive Cancer detection rate per 1000 screened
	% of screened	% of screened	% of cancers	
North East, Yorkshire & Humber	4.9	0.06	95.1	10.7
East Midlands	5.6	0.15	100	10.6
West Midlands	5.0	0.12	98.2	11.6
North West	5.9	0.19	95.6	8.5
East of England	5.7	0.10	90.2	8.6
London	5.4	0.13	96.3	9.3
South East	5.4	0.08	94.1	10.3
South West	6.6	0.23	93.3	8.4
Scotland ⁴	6.8	0.07	-	9.8
Wales	4.4	0.11	95.8	8.5
Northern Ireland	5.2	0.00	88.2	10.5

⁴ Data omitted where not comparable

Table 19 **Assessment outcomes, ages 50-70**

	No. of women screened	Referred for cytology/ open biopsy		Benign biopsy		Non-operative diagnosis	
		% of screened	No.	% of screened	No.	% all cancers	No.
Prevalent	313309	3.5	10944	0.2	624	79.4	1944
Incident	1466652	1.6	23685	0.1	1019	87.5	10200
Self/GP referral	56357	2.5	1404	0.1	68	88.1	570
Short-term recall	2327	16.4	381	1.6	38	73.6	67

Table 20 Women placed on Short-term recall, ages 50-70

	No. of women Screened	Short-term recall following initial screen		Short-term recall following assessment		Total	
		% of screened	No.	% of screened	No.	% of screened	No.
Prevalent	313309	0.00	0	0.24	746	0.24	746
Incident	1466652	0.00	0	0.08	1159	0.08	1159
Self/GP referral	56357	0.00	0	0.15	82	0.15	82
Short-term recall	2327	0.00	0	4.38	102	4.38	102

Table 21 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	33209	3.3	1087	0.2	62	87.3	192
50-54	274747	3.5	9521	0.2	562	79.2	1572
55-59	22646	3.5	784	0.2	35	83.4	186
60-64	8902	3.9	346	0.2	16	82.7	105
65-70	7014	4.2	293	0.2	11	71.7	81
71 or over	72	0.0	0	0.0	0	0.0	0
Total (50-64)	306295	3.5	10651	0.2	613	79.8	1863
Total (50-70)	313309	3.5	10944	0.2	624	79.4	1944

Table 22 **Assessment outcomes of 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	501	1.2	6	0.0	0	100	1
50-54	214384	1.3	2790	0.1	167	87.2	933
55-59	501132	1.4	6953	0.1	306	87.6	2892
60-64	412023	1.6	6688	0.1	290	88.8	3088
65-70	339113	2.1	7254	0.1	256	86.3	3287
71 or over	1289	3.6	46	0.2	2	60.0	12
Total (50-64)	1127539	1.5	16431	0.1	763	88.1	6913
Total (50-70)	1466652	1.6	23685	0.1	1019	87.5	10200

Table 23 **Assessment outcomes of short-term 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	9	11.1	1	0.0	0	0.0	0
50-54	957	12.6	121	0.9	9	68.8	11
55-59	558	18.8	105	3.1	17	75.0	15
60-64	433	21.0	91	1.4	6	72.7	24
65-70	379	16.9	64	1.6	6	77.3	17
71 or over	93	14.0	13	0.0	0	75.0	3
Total (50-64)	1948	16.3	317	1.6	32	72.5	50
Total (50-70)	2327	16.4	381	1.6	38	73.6	67

Table 24 Assessment outcomes of 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	158	2.5	4	0.0	0	50.0	1
50-54	10957	3.1	337	0.2	22	85.9	67
55-59	10657	1.9	200	0.1	13	87.7	71
60-64	8164	2.5	202	0.1	7	90.4	104
65-70	26579	2.5	665	0.1	26	87.9	328
71 or over	51309	2.8	1444	0.1	51	85.4	729
Total (50-64)	29778	2.5	739	0.1	42	88.3	242
Total (50-70)	56357	2.5	1404	0.1	68	88.1	570

Table 25 **Assessment outcomes of self/GP 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	143	1.4	2	0.0	0	100	1
50-54	8328	3.6	300	0.3	22	83.9	52
55-59	2786	2.7	76	0.3	7	91.7	22
60-64	1527	3.3	51	0.1	1	76.0	19
65-70	1547	3.4	53	0.3	4	92.9	26
71 or over	3471	4.6	161	0.2	6	88.3	83
Total (50-64)	12641	3.4	427	0.2	30	83.8	93
Total (50-70)	14188	3.4	480	0.2	34	85.6	119

Table 26 Assessment outcomes of self/GP 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	14	14.3	2	0.0	0	0.0	0
50-54	2532	1.4	35	0.0	0	93.3	14
55-59	6722	1.4	94	0.1	6	84.6	33
60-64	5434	2.0	111	0.1	3	94.4	67
65-70	19501	2.2	429	0.1	17	87.5	216
71 or over	35633	2.1	764	0.1	29	84.4	384
Total (50-64)	14688	1.6	240	0.1	9	91.2	114
Total (50-70)	34189	2.0	669	0.1	26	88.7	330

Table 27 Assessment outcomes of self/GP 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	1	0.0	0	0.0	0	0.0	0
50-54	97	2.1	2	0.0	0	100	1
55-59	1149	2.6	30	0.0	0	88.9	16
60-64	1203	3.3	40	0.3	3	94.7	18
65-70	5531	3.3	183	0.1	5	87.8	86
71 or over	12205	4.3	519	0.1	16	85.9	262
Total (50-64)	2449	2.9	72	0.1	3	92.1	35
Total (50-70)	7980	3.2	255	0.1	8	89.0	121

Table 28 **Number and percentage of cancers; insitu, invasive status not known or size not known, ages 50-70**

	In-situ/ microinvasive		Invasive status not known		Invasive size not known		Total cancers
	No.	% of cancers	No.	% of cancers	No.	% of cancers	
Prevalent	665	27.2	9	0.4	49	2.0	2447
Incident	2319	19.9	36	0.3	221	1.9	11656
Self/GP referral	105	16.2	2	0.3	16	2.5	647
Short-term recall	30	33.0	0	0.0	5	5.5	91

Table 29 **Percentage of sized invasive cancers <10mm and <15mm, ages 50-70**

	Invasive Cancers	<10mm		<15mm	
		No.	%	No.	%
Prevalent	1773	375	21.8	855	49.6
Incident	9301	2405	26.5	5029	55.4
Self/GP referral	540	117	22.3	263	50.2
Short-term recall	61	22	39.3	37	66.1

Table 30 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	33877	8.4	2845	0.2	72	0.4	150	0.20	(0.10)	69	(34)	0.66	223
50-64	1465560	4.7	68622	0.2	2337	0.6	8159	0.29	(0.14)	4302	(2040)	0.72	10526
65-70	373085	4.3	16073	0.2	782	0.9	3516	0.50	(0.24)	1882	(879)	1.16	4315
71 or over	52763	5.4	2844	0.2	129	1.4	745	0.68	(0.31)	361	(165)	1.66	878
Total (All ages)	1925285	4.7	90384	0.2	3320	0.7	12570	0.34	(0.16)	6614	(3118)	0.83	15942

Table 31 Total historic screening activity, ages 50-70

Year	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.		
2005/6 (current)	1465560	4.7	68622	0.2	2337	0.6	8159	0.29	(0.14)	4302	(2040)	0.72	10526
2004/5	1411797	4.9	68941	0.2	2231	0.6	7865	0.30	(0.14)	4171	(1970)	0.72	10137
2003/4	1403375	5.2	72495	0.2	2197	0.6	7811	0.29	(0.14)	4108	(1925)	0.71	10033
2002/3	1370677	5.2	71109	0.2	2017	0.5	7317	0.29	(0.13)	3966	(1822)	0.68	9363
2001/2	1330896	5.4	71465	0.1	1887	0.5	6588	0.26	(0.12)	3509	(1651)	0.64	8518

Table 32 Standardised Detection Ratio, by region, ages 50-70

Region	Prevalent	Incident	Overall
North East, Yorkshire & Humber	1.43	1.39	1.40
East Midlands	1.61	1.52	1.53
West Midlands	1.28	1.42	1.39
North West	1.35	1.39	1.38
East of England	1.29	1.45	1.42
London	1.12	1.38	1.31
South East	1.43	1.48	1.47
South West	1.33	1.42	1.40
Scotland	1.48	1.27	1.32
Wales	1.35	1.56	1.52
Northern Ireland	1.13	1.31	1.26
Total	1.36	1.42	1.41
(Total previous year)	(1.41)	(1.40)	(1.40)

Table 33 Number and percentage of screening programmes meeting standards (93 screening programmes)

	Minimum Standard	No.	%	Target	No.	%
Prevalent Round (1st invitation only - ages 50-52)						
Acceptance rate	>=70%	85	91.4	>=80%	19	20.4
Invasive cancer detection rate	>= 2.7 p. 1000	88	94.6	>= 3.6 p. 1000	81	87.1
Insitu and microinvasive detection rate	>=0.4 p. 1000	89	95.7			
Standardised detection ratio (SDR) ⁵	>= 0.85	87	93.5	>= 1.0	84	90.3
Invasive cancers < 15mm	>= 1.5 p.1000	77	82.8	>= 2.0 p. 1000	59	63.4
Referred for assessment	<10%	68	73.1	<7%	24	25.8
Placed on Short-term recall	<0.5%	74	79.6	<=0.25%	57	61.3
Non-operative diagnosis of cancer (excl. Scotland)	>= 80%	74	85.1	>= 90%	48	55.2
Benign biopsy rate	< 3.6 p. 1000	86	92.5	< 1.8 p. 1000	40	43.0
Incident Round (last screen within 5 years - ages 53-70)						
Acceptance rate	>=70%	93	100	>= 80%	91	97.9
Invasive cancer detection rate	>= 3.1 p. 1000	93	100	>= 4.2 p. 1000	91	97.9
Insitu and microinvasive detection rate	>= 0.5 p. 1000	90	96.8			
Standardised detection ratio (SDR) ⁶	>= 0.85	93	100	>= 1.0	89	95.7
Invasive cancers < 15mm	>= 1.7 p. 1000	92	98.9	>= 2.5 p. 1000	80	86.0
Referred for assessment	<7%	93	100	<5%	86	92.5
Placed on Short-term recall	<0.5%	93	100	<=0.25%	90	96.8
Non-operative diagnosis of cancer (excl. Scotland)	>= 80%	87	100	>= 90%	81	93.1
Benign biopsy rate	< 2.0 p. 1000	92	98.9	< 1.0 p. 1000	75	80.7

⁵ First invitation and previous non-attenders (Tables A and B) and ages 50-70

⁶ Incident round (last screen within 5 years) and ages 50-70

Appendix - definitions

Uptake tables (Tables 1 and 2)

Number invited = column 1

Number of women screened = column 3

% accepting = column 3 / column 1 * 100

Outcome tables by age (Table 3+)

Number of women screened = column 3 (divisor for %)

Number referred for assessment = column 7

Number of insitu and microinvasive = column 27 + column 28

Number of invasive cancers = column 35

Number of invasive cancers <15mm = column 29 + column 30

Number of invasive cancers <10mm = column 29

Outcome tables by region (Table 14+)

Acceptance = column 3 / column 1 * 100

Referral = column 7 / column 3 * 100

Benign Biopsy = (column 22 + column 23) / column 3 * 100

Non-operative diagnosis of cancer = column 18 / column 25 * 100

Cancer detection rate = column 35 / column 3 * 1000

Assessment outcome tables (Table 18 and 20+)

Number of women screened = column 3

Number referred for cytology/open biopsy = column 14 + column 20

% referred for cytology/open biopsy = (column 14 + column 20) / column 3

Number of benign biopsies = column 22 + column 23

% benign biopsy = (column 22 + column 23) / column 3

Number having a non-operative diagnosis = column 18

% having a non-operative diagnosis of all cancers = column 18 / column 25

Women placed on short-term recall (Table 19)

Number of women screened = column 3 (divisor for %)

Number of short-term recall following initial screen = column 6

Number of short-term recall following assessment = column 11

Cancers (Table 27)

Number of insitu and microinvasive = column 27 + column 28

Number of invasive status not known = column 26

Number of invasive size not known = column 34

Total cancers = column 25 (divisor for %)

Size of cancers (Table 28)

Number of invasive cancers = column 35

Number of cancers <10mm = column 29

Number of cancers <15mm = column 29 + column 30

Divisor for % = column 35 - column 34 ie sized cancers

Total screening activity (Table 29)

See outcome tables by age

Standardised Detection Ratio (Table 30)

SDR = column 49 / column 50

Programmes meeting standards (Table 31)

Acceptance rate = column 3 / column 1 * 100

Invasive cancer detection rate = column 35 / column 3 * 1000

Insitu and microinvasive detection rate = (column 27 + column 28) / column 3 * 1000

SDR = column 49 / column 50

Invasive cancers < 15mm = (column 29 + column 30) / column 3 * 1000

Referred for assessment = column 7 / column 3 * 100

Placed on short-term recall = (column 6 + column 11) / column 3 * 100

Non-operative diagnosis of cancer = column 18 / column 25 * 100

Benign biopsy rate = (column 22 + column 23) / column 3 * 100