

DRAFT - CONFIDENTIAL

**BREAST SCREENING RESULTS FROM THE NHSBSP**

**(England, Wales, Scotland & Northern Ireland)**

**2006/07**

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**Table 1** Number of women screened by age-group

Age-group	Number of women screened						Total
	By invitation		Incident round	Self/GP referral			
	First invitation	Previous non-responders		No previous screen	Previously screened	Short-term recall	
Under 50	35880	28	204	119	11	9	36251
50-54	250971	19514	210431	8058	2769	825	492568
55-59	4780	15882	489676	2773	7716	432	521259
60-64	3080	5540	430819	1627	6649	383	448098
65-70	2499	3508	359461	1250	13369	398	380485
71 or over	21	26	1011	3243	54401	121	58823
Total (All ages)	297231	44498	1491602	17070	84915	2168	1937484

**Table 2** Acceptance by type of screening

Age-group	1 <sup>st</sup> 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	71.4	50231	30.1	93	73.6	277	90.0	10	71.4	50611
50-54	73.0	343764	30.9	63252	84.9	247965	99.2	832	73.5	655813
55-59	33.5	14249	18.0	88346	84.2	581613	98.0	441	74.6	684649
60-64	32.6	9437	9.8	56311	82.7	520985	99.0	387	74.9	587120
65-70	29.3	8530	7.5	46473	79.1	454541	98.3	405	71.7	509949
71 or over	39.6	53	26.5	98	83.8	1207	100	121	79.7	1479
Total (50-64)	70.4	367450	19.7	207909	83.7	1350563	98.8	1660	74.3	192758
Total (50-70)	69.5	375980	17.5	254382	82.6	1805104	98.7	2065	73.8	243753

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

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.		
Under 50	35908	8.5	3053	0.19	68	0.40	143	0.19	(0.09 )	69	(31)	0.59	211
50-54	270485	8.7	23526	0.22	593	0.56	1510	0.29	(0.13 )	773	(345)	0.78	2108
55-59	20662	7.7	1581	0.22	45	0.80	166	0.40	(0.16 )	83	(33)	1.03	212
60-64	8620	8.1	695	0.16	14	1.16	100	0.51	(0.23 )	44	(20)	1.32	114
65-70	6007	8.2	494	0.38	23	1.51	91	0.77	(0.37 )	46	(22)	1.91	115
71 or over	47	12.8	6	0.00	0	2.13	1	0.00	(0.00 )	0	(0)	2.13	1
Total (50-64)	299767	8.6	25802	0.22	652	0.59	1776	0.30	(0.13 )	900	(398)	0.81	2434
Total (50-70)	305774	8.6	26296	0.22	675	0.61	1867	0.31	(0.14 )	946	(420)	0.83	2549

**Table 4** Outcome of prevalent screens (First invitations)

Age-group	No. of women screened	Referred for assessment		Cancers detected									
				In-situ and micro-invasive		Invasive		<15mm (<10mm bracketed)		Total			
				% of screened	No.	% of screened	No.	% of screened	No.	% of screened	No.		
Under 50	35880	8.5	3053	0.19	68	0.4	143	0.19	(0.09)	69	(31)	0.59	211
50-54	250971	8.7	21832	0.22	550	0.54	1361	0.28	(0.13)	705	(317)	0.76	1915
55-59	4780	6.7	321	0.10	5	0.56	27	0.27	(0.10)	13	(5)	0.67	32
60-64	3080	6.6	203	0.13	4	0.91	28	0.36	(0.19)	11	(6)	1.04	32
65-70	2499	6.5	163	0.12	3	1.08	27	0.64	(0.24)	16	(6)	1.24	31
71 or over	21	14.3	3	0.00	0	0.00	0	0.00	(0.00)	0	(0)	0.00	0
Total (50-64)	258831	8.6	22356	0.22	559	0.55	1416	0.28	(0.13)	729	(328)	0.76	1979
Total (50-70)	261330	8.6	22519	0.22	562	0.55	1443	0.29	(0.13)	745	(334)	0.77	2010

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

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.		
Under 50	28	0.0	0	0.00	0	0.00	0	0.00	(0.00)	0	(0)	0.00	0
50-54	19514	8.7	1694	0.22	43	0.76	149	0.35	(0.14)	68	(28)	0.99	193
55-59	15882	7.9	1260	0.25	40	0.88	139	0.44	(0.18)	70	(28)	1.13	180
60-64	5540	8.9	492	0.18	10	1.30	72	0.60	(0.25)	33	(14)	1.48	82
65-70	3508	9.4	331	0.57	20	1.82	64	0.86	(0.46)	30	(16)	2.39	84
71 or over	26	11.5	3	0.00	0	3.85	1	0.00	(0.00)	0	(0)	3.85	1
Total (50-64)	40936	8.4	3446	0.23	93	0.88	360	0.42	(0.17)	171	(70)	1.11	455
Total (50-70)	44444	8.5	3777	0.25	113	0.95	424	0.45	(0.19)	201	(86)	1.21	539

**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	204	2.5	5	0.00	0	0.00	0	0.00	(0.00)	0	(0)	0.00	0
50-54	210431	3.6	7517	0.12	251	0.34	709	0.18	(0.09)	384	(194)	0.46	961
55-59	489676	3.3	16147	0.14	684	0.50	2435	0.26	(0.12)	1283	(611)	0.64	3125
60-64	430819	3.4	14757	0.16	709	0.67	2865	0.35	(0.17)	1529	(734)	0.83	3579
65-70	359461	4.1	14634	0.20	723	0.90	3252	0.50	(0.23)	1797	(811)	1.11	3987
71 or over	1011	4.4	44	0.20	2	0.89	9	0.40	(0.10)	4	(1)	1.09	11
Total (50-64)	1130926	3.4	38421	0.15	1644	0.53	6009	0.28	(0.14)	3196	(1539)	0.68	7665
Total (50-70)	1490387	3.6	53055	0.16	2367	0.62	9261	0.34	(0.16)	4993	(2350)	0.78	11652

**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	149	1.3	2	0.00	0	0.00	0	0.00	(0.00)	0	(0)	0.00	0
50-54	204052	3.5	7177	0.12	240	0.34	695	0.18	(0.09)	377	(190)	0.46	936
55-59	458760	3.2	14642	0.14	623	0.48	2211	0.25	(0.12)	1166	(553)	0.62	2839
60-64	399493	3.3	13194	0.16	643	0.64	2573	0.35	(0.17)	1385	(670)	0.81	3221
65-70	267615	3.5	9441	0.18	478	0.77	2069	0.43	(0.20)	1163	(529)	0.95	2553
71 or over	510	3.3	17	0.00	0	0.00	0	0.00	(0.00)	0	(0)	0.00	0
Total (50-64)	1062305	3.3	35013	0.14	1506	0.52	5479	0.28	(0.13)	2928	(1413)	0.66	6996
Total (50-70)	1329920	3.3	44454	0.15	1984	0.57	7548	0.31	(0.15)	4091	(1942)	0.72	9549

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

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.		
Under 50	55	5.5	3	0.00	0	0.00	0	0.00	(0.00)	0	(0)	0.00	0
50-54	6379	5.3	340	0.17	11	0.22	14	0.11	(0.06)	7	(4)	0.39	25
55-59	30916	4.9	1505	0.20	61	0.72	224	0.38	(0.19)	117	(58)	0.93	286
60-64	31326	5.0	1563	0.21	66	0.93	292	0.46	(0.20)	144	(64)	1.14	358
65-70	91846	5.7	5193	0.27	245	1.29	1183	0.69	(0.31)	634	(282)	1.56	1434
71 or over	501	5.4	27	0.40	2	1.80	9	0.80	(0.20)	4	(1)	2.20	11
Total (50-64)	68621	5.0	3408	0.20	138	0.77	530	0.39	(0.18)	268	(126)	0.97	669
Total (50-70)	160467	5.4	8601	0.24	383	1.07	1713	0.56	(0.25)	902	(408)	1.31	2103

**Table 9 Outcome of short-term recalls**

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.		
Under 50	9	100	9	0.00	0	0.00	0	0.00	(0.00)	0	(0)	0.00	0
50-54	825	90.4	746	0.61	5	1.58	13	1.33	(1.09)	11	(9)	2.18	18
55-59	432	89.4	386	1.16	5	3.70	16	3.01	(1.39)	13	(6)	4.86	21
60-64	383	88.3	338	1.04	4	4.44	17	2.09	(0.78)	8	(3)	5.48	21
65-70	398	89.7	357	2.51	10	3.02	12	2.26	(1.76)	9	(7)	5.53	22
71 or over	121	90.1	109	0.83	1	4.96	6	4.96	(2.48)	6	(3)	5.79	7
Total (50-64)	1640	89.6	1470	0.85	14	2.80	46	1.95	(1.10)	32	(18)	3.66	60
Total (50-70)	2038	89.6	1827	1.18	24	2.85	58	2.01	(1.23)	41	(25)	4.02	82

**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	130	8.5	11	0.00	0	0.00	0	0.00	(0.00)	0	(0)	0.00	0
50-54	10827	8.2	889	0.20	22	0.52	56	0.21	(0.06)	23	(6)	0.72	78
55-59	10489	5.1	531	0.18	19	0.74	78	0.34	(0.13)	36	(14)	0.92	97
60-64	8276	5.0	413	0.27	22	0.95	79	0.39	(0.14)	32	(12)	1.22	101
65-70	14619	4.9	717	0.27	39	1.05	154	0.55	(0.27)	80	(40)	1.33	194
71 or over	57644	5.0	2884	0.28	159	1.32	759	0.63	(0.32)	365	(185)	1.60	920
Total (50-64)	29592	6.2	1833	0.21	63	0.72	213	0.31	(0.11)	91	(32)	0.93	276
Total (50-70)	44211	5.8	2550	0.23	102	0.83	367	0.39	(0.16)	171	(72)	1.06	470

**Table 11** Outcome of self/GP referrals (not previously screened)

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.		
Under 50	119	7.6	9	0.00	0	0.00	0	0.00	(0.00)	0	(0)	0.00	0
50-54	8058	9.5	768	0.21	17	0.57	46	0.22	(0.05)	18	(4)	0.78	63
55-59	2773	7.4	205	0.18	5	0.79	22	0.36	(0.07)	10	(2)	0.97	27
60-64	1627	6.9	113	0.43	7	1.04	17	0.31	(0.12)	5	(2)	1.48	24
65-70	1250	7.6	95	0.16	2	1.76	22	0.56	(0.32)	7	(4)	1.92	24
71 or over	3243	8.0	260	0.43	14	2.16	70	0.89	(0.40)	29	(13)	2.62	85
Total (50-64)	12458	8.7	1086	0.23	29	0.68	85	0.26	(0.06)	33	(8)	0.92	114
Total (50-70)	13708	8.6	1181	0.23	31	0.78	107	0.29	(0.09)	40	(12)	1.01	138

**Table 12 Outcome of self/GP referrals (within 5 yrs. of previous screen)**

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.		
Under 50	11	18.2	2	0.00	0	0.00	0	0.00	(0.00)	0	(0)	0.00	0
50-54	2677	4.2	113	0.19	5	0.37	10	0.19	(0.07)	5	(2)	0.56	15
55-59	6610	4.2	276	0.18	12	0.74	49	0.38	(0.17)	25	(11)	0.92	61
60-64	5384	4.1	222	0.26	14	0.78	42	0.35	(0.13)	19	(7)	1.04	56
65-70	9397	4.0	375	0.19	18	0.84	79	0.48	(0.23)	45	(22)	1.03	97
71 or over	41162	4.0	1659	0.23	96	0.96	397	0.54	(0.29)	223	(120)	1.20	494
Total (50-64)	14671	4.2	611	0.21	31	0.69	101	0.33	(0.14)	49	(20)	0.90	132
Total (50-70)	24068	4.1	986	0.20	49	0.75	180	0.39	(0.17)	94	(42)	0.95	229

**Table 13 Outcome of self/GP referrals (more than 5 yrs. from previous screen)**

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.		
Under 50	0	-	0	-	0	-	0	-	(-)	0	(0)	-	0
50-54	92	8.7	8	0.00	0	0.00	0	0.00	(0.00)	0	(0)	0.00	0
55-59	1106	4.5	50	0.18	2	0.63	7	0.09	(0.09)	1	(1)	0.81	9
60-64	1265	6.2	78	0.08	1	1.58	20	0.63	(0.24)	8	(3)	1.66	21
65-70	3972	6.2	247	0.48	19	1.33	53	0.70	(0.35)	28	(14)	1.84	73
71 or over	13239	7.3	965	0.37	49	2.21	292	0.85	(0.39)	113	(52)	2.58	341
Total (50-64)	2463	5.5	136	0.12	3	1.10	27	0.37	(0.16)	9	(4)	1.22	30
Total (50-70)	6435	6.0	383	0.34	22	1.24	80	0.57	(0.28)	37	(18)	1.60	103

**Table 14 Outcome of self/GP referrals by screening history**

Age-group	No. of women screened	Referred for assessment		Cancers detected									
				In-situ and micro-invasive		Invasive		<15mm (<10mm bracketed)		Total			
				% of screened	No.	% of screened	No.	% of screened	No.	% of screened	No.		
<b>50-70</b>													
No previous screen	13708	8.6	1181	0.23	31	0.78	107	0.29	(0.09)	40	(12)	1.01	138
Previous screen	30503	4.5	1369	0.23	71	0.85	260	0.43	(0.20)	131	(60)	1.09	332
<b>71 or over</b>													
No previous screen	3243	8.0	260	0.43	14	2.16	70	0.89	(0.40)	29	(13)	2.62	85
Previous screen	54401	4.8	2624	0.27	145	1.27	689	0.62	(0.32)	336	(172)	1.53	835

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

Region	Acceptance % of screened	Referral % of screened	Benign Biopsy % of screened	Non-operative diagnosis % of cancers	Invasive Cancer detection rate per 1000 screened
North East	55.3	7.2	0.22	91.1	6.0
Yorkshire & Humber	51.2	7.4	0.11	94.5	6.4
East Midlands	53.5	8.0	0.16	97.4	6.0
West Midlands	47.4	7.4	0.14	92.0	5.9
North West	45.7	8.4	0.21	88.8	6.0
East of England	53.5	9.2	0.29	87.9	6.3
London	36.6	8.4	0.24	89.6	6.1
South East	51.3	9.4	0.24	88.0	5.5
South West	49.5	9.7	0.25	87.9	5.9
Scotland <sup>1</sup>	52.4	9.5	0.20	-	6.9
Wales	47.6	8.7	0.15	91.8	6.5
Northern Ireland	57.9	7.5	0.14	91.8	5.9

<sup>1</sup> Data omitted where not comparable

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

<b>Region</b>	<b>Acceptance</b>	<b>Referral</b>	<b>Benign Biopsy</b>	<b>Non-operative diagnosis</b>	<b>Invasive Cancer detection rate per 1000 screened</b>
	<b>% of screened</b>	<b>% of screened</b>	<b>% of screened</b>	<b>% of cancers</b>	
North East	75.9	7.3	0.22	91.1	5.1
Yorkshire & Humber	74.3	7.3	0.10	94.8	5.9
East Midlands	74.6	8.0	0.16	96.9	5.7
West Midlands	70.9	7.4	0.12	92.8	5.1
North West	70.4	8.4	0.20	87.7	5.2
East of England	71.8	9.3	0.30	87.3	6.0
London	55.2	8.4	0.26	88.2	5.4
South East	70.4	9.4	0.24	88.0	4.9
South West	67.3	9.6	0.22	87.1	5.4
Scotland <sup>2</sup>	75.1	9.7	0.20	-	6.4
Wales	70.5	8.6	0.12	89.3	5.9
Northern Ireland	73.9	7.5	0.13	93.5	5.3

<sup>2</sup> Data omitted where not comparable

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

<b>Region</b>	<b>Acceptance</b>	<b>Referral</b>	<b>Benign Biopsy</b>	<b>Non-operative diagnosis</b>	<b>Invasive Cancer detection rate per 1000 screened</b>
	<b>% of screened</b>	<b>% of screened</b>	<b>% of screened</b>	<b>% of cancers</b>	
North East	84.9	2.7	0.07	96.2	5.9
Yorkshire & Humber	85.1	3.3	0.05	96.8	5.9
East Midlands	84.3	3.4	0.05	96.4	6.4
West Midlands	83.5	3.2	0.04	95.8	6.1
North West	82.1	3.7	0.06	94.9	6.4
East of England	84.1	3.8	0.08	93.6	6.5
London	73.1	3.4	0.08	93.7	5.6
South East	83.1	3.6	0.07	94.1	6.1
South West	83.3	4.1	0.08	94.2	6.5
Scotland <sup>3</sup>	83.9	3.9	0.06	-	6.5
Wales	82.9	3.8	0.06	97.5	6.7
Northern Ireland	85.9	2.8	0.03	94.8	5.4

<sup>3</sup> 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	5.1	0.18	87.5	6.6
Yorkshire & Humber	5.4	0.04	100	6.7
East Midlands	6.0	0.06	97.6	11.6
West Midlands	5.7	0.03	100	8.3
North West	5.2	0.09	97.4	8.9
East of England	6.0	0.19	87.8	8.3
London	5.8	0.17	95.2	7.9
South East	5.4	0.21	91.7	7.9
South West	6.5	0.09	96.5	9.3
Scotland <sup>4</sup>	6.6	0.11	-	6.5
Wales	5.7	0.04	100	8.4
Northern Ireland	5.5	0.06	94.4	8.8

<sup>4</sup> 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	305774	3.7	11322	0.2	638	80.0	2040
Incident	1490387	1.6	23552	0.1	952	87.1	10145
Self/GP referral	44211	2.5	1117	0.1	54	90.9	427
Short-term recall	2038	15.1	307	1.6	32	72.0	59

**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	305774	0.00	0	0.23	699	0.23	699
Incident	1490387	0.00	0	0.07	1091	0.07	1091
Self/GP referral	44211	0.00	0	0.14	63	0.14	63
Short-term recall	2038	0.00	0	5.05	103	5.05	103

**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	35908	3.2	1152	0.2	66	92.4	195
50-54	270485	3.7	9951	0.2	566	79.3	1672
55-59	20662	3.8	775	0.3	52	83.0	176
60-64	8620	3.8	329	0.1	10	82.5	94
65-70	6007	4.4	267	0.2	10	85.2	98
71 or over	47	8.5	4	0.0	0	0.0	0
Total (50-64)	299767	3.7	11055	0.2	628	79.8	1942
Total (50-70)	305774	3.7	11322	0.2	638	80.0	2040

**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	204	1.5	3	0.0	0	0.00	0
50-54	210431	1.2	2524	0.1	139	86.5	831
55-59	489676	1.3	6607	0.1	287	88.3	2758
60-64	430819	1.6	6873	0.1	261	87.4	3128
65-70	359461	2.1	7548	0.1	265	86.0	3428
71 or over	1011	2.2	22	0.1	1	90.9	10
Total (50-64)	1130926	1.4	16004	0.1	687	87.6	6717
Total (50-70)	1490387	1.6	23552	0.1	952	87.1	10145

**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	0.00	0
50-54	825	14.1	116	1.1	9	61.1	11
55-59	432	14.4	62	2.5	11	85.7	18
60-64	383	14.4	55	1.3	5	81.0	17
65-70	398	18.6	74	1.8	7	59.1	13
71 or over	121	17.4	21	0.0	0	71.4	5
Total (50-64)	1640	14.2	233	1.5	25	76.7	46
Total (50-70)	2038	15.1	307	1.6	32	72.0	59

**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	130	2.3	3	0.8	1	0.00	0
50-54	10827	2.9	319	0.2	22	92.3	72
55-59	10489	2.3	238	0.1	11	86.6	84
60-64	8276	2.4	196	0.1	8	94.1	95
65-70	14619	2.5	364	0.1	13	90.7	176
71 or over	57644	2.7	1560	0.1	42	87.1	801
Total (50-64)	29592	2.5	753	0.1	41	90.9	251
Total (50-70)	44211	2.5	1117	0.1	54	90.9	427

**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	119	2.5	3	0.8	1	0.00	0
50-54	8058	3.4	278	0.3	21	92.1	58
55-59	2773	3.1	85	0.1	3	85.2	23
60-64	1627	3.1	50	0.1	1	91.7	22
65-70	1250	4.6	57	0.4	5	91.7	22
71 or over	3243	4.9	159	0.1	4	88.2	75
Total (50-64)	12458	3.3	413	0.2	25	90.4	103
Total (50-70)	13708	3.4	470	0.2	30	90.6	125

**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	11	0.0	0	0.0	0	0.00	0
50-54	2677	1.5	39	0.0	1	93.3	14
55-59	6610	2.0	133	0.1	8	86.9	53
60-64	5384	2.1	113	0.1	6	92.9	52
65-70	9397	1.9	180	0.1	5	89.7	87
71 or over	41162	2.0	824	0.1	20	86.2	426
Total (50-64)	14671	1.9	285	0.1	15	90.2	119
Total (50-70)	24068	1.9	465	0.1	20	90	206

**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	0	-	0	-	0	-	0
50-54	92	2.2	2	0.0	0	0.0	0
55-59	1106	1.8	20	0.0	0	88.9	8
60-64	1265	2.6	33	0.1	1	100	21
65-70	3972	3.2	127	0.1	3	91.8	67
71 or over	13239	4.4	577	0.1	18	88.0	300
Total (50-64)	2463	2.2	55	0.0	1	96.7	29
Total (50-70)	6435	2.8	182	0.1	4	93.2	96

**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	675	26.5	7	0.3	44	1.7	2549
Incident	2367	20.3	24	0.2	152	1.3	11652
Self/GP referral	102	21.7	1	0.2	7	1.5	470
Short-term recall	24	29.3	0	0.0	3	3.7	82

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

	Invasive Cancers	<10mm		<15mm	
		No.	%	No.	%
Prevalent	1867	420	23.0	946	51.9
Incident	9261	2350	25.8	4993	54.8
Self/GP referral	367	72	20.0	171	47.5
Short-term recall	58	25	45.5	41	74.5

**Table 30 Total screening activity - all ages**

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.		
Under 50	36251	8.5	3078	0.2	68	0.4	143	0.19	(0.09)	69	(31)	0.58	211
50-64	1461925	4.6	67526	0.2	2373	0.6	8044	0.29	(0.14)	4219	(1987)	0.71	10435
65-70	380485	4.3	16202	0.2	795	0.9	3509	0.51	(0.23)	1932	(880)	1.13	4318
71 or over	58823	5.2	3043	0.3	162	1.3	775	0.64	(0.32)	375	(189)	1.60	939
Total (All ages)	1937484	4.6	89849	0.2	3398	0.6	12471	0.34	(0.16)	6595	(3087)	0.82	15903

Table 31 Total historic screening activity, ages 50-64

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.	% of screened	No.
2006/7 (current)	1461925	4.6	67526	0.2	2373	0.6	8044	0.29	(0.14)	4219	(1987)	0.71	10435
2005/6	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	0.3	(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

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

<b>Region</b>	<b>Prevalent</b>	<b>Incident</b>	<b>Overall</b>
North East	1.52	1.36	1.38
Yorkshire & Humber	1.58	1.30	1.35
East Midlands	1.49	1.46	1.47
West Midlands	1.46	1.37	1.39
North West	1.46	1.43	1.44
East of England	1.47	1.48	1.48
London	1.38	1.26	1.29
South East	1.36	1.36	1.36
South West	1.47	1.45	1.46
Scotland	1.62	1.41	1.46
Wales	1.64	1.47	1.50
Northern Ireland	1.42	1.28	1.32
Total	1.48	1.39	1.41
(Total previous year)	(1.36)	(1.42)	(1.41)

**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	$\geq 70\%$	82	88.2	$\geq 80\%$	11	11.8
Invasive cancer detection rate	$\geq 2.7$ p. 1000	89	95.7	$\geq 3.6$ p. 1000	79	85.0
Insitu and microinvasive detection rate	$\geq 0.4$ p. 1000	89	95.7			
Standardised detection ratio (SDR) <sup>5</sup>	$\geq 0.85$	89	95.7	$\geq 1.0$	83	89.2
Invasive cancers < 15mm	$\geq 1.5$ p.1000	73	78.5	$\geq 2.0$ p. 1000	63	67.7
Referred for assessment	<10%	65	69.9	<7%	20	21.5
Placed on Short-term recall	<0.5%	77	82.8	$\leq 0.25\%$	60	64.5
Non-operative diagnosis of cancer	$\geq 80\%$	76	87.4	$\geq 90\%$	54	62.1
Benign biopsy rate	< 3.6 p. 1000	78	83.9	< 1.8 p. 1000	42	45.2
Incident Round (last screen within 5 years - ages 53-70)						
Acceptance rate	$\geq 70\%$	93	100	$\geq 80\%$	89	95.7
Invasive cancer detection rate	$\geq 3.1$ p. 1000	93	100	$\geq 4.2$ p. 1000	88	94.6
Insitu and microinvasive detection rate	$\geq 0.5$ p. 1000	93	100			
Standardised detection ratio (SDR) <sup>6</sup>	$\geq 0.85$	93	100	$\geq 1.0$	90	96.8
Invasive cancers < 15mm	$\geq 1.7$ p. 1000	92	98.9	$\geq 2.5$ p. 1000	75	80.7
Referred for assessment	<7%	93	100	<5%	89	95.7
Placed on Short-term recall	<0.5%	93	100	$\leq 0.25\%$	92	98.9
Non-operative diagnosis of cancer	$\geq 80\%$	87	100	$\geq 90\%$	79	90.8
Benign biopsy rate	< 2.0 p. 1000	93	100	< 1.0 p. 1000	85	91.4

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

<sup>6</sup> Incident round (last screen within 5 years) and ages 50-70

## **BREAST SCREENING RESULTS FROM THE UK NHSBSP (2006/07)**

### **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 15+)**

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

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

#### **Assessment outcome tables (Table 19 and 21+)**

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 20)**

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 28)**

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 29)**

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 30)**

See Outcome tables by age

#### **Total historic screening activity (Table 31)**

See Outcome tables by age

#### **Standardised Detection Ratio (Table 32)**

SDR = column 49 / column 50

#### **Programmes meeting standards (Table 33)**

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

**BREAST SCREENING RESULTS FROM THE UK NHSBSP (2006/07)**

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