

BREAST SCREENING RESULTS FROM THE NHSBSP

(England, Wales, Scotland & Northern Ireland)

2003/04

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BREAST SCREENING RESULTS FROM THE NHSBSP: 2003/4

Tables include England, Wales, Scotland and Northern Ireland.

Note:

The expansion of the programme to invite women up to the age of 70 can still not be shown completely in these tables as Scotland are unable to provide the appropriate age bands.

Some data for Scotland are not comparable (see below).

Table 1 : There has been a 6.5% increase in the overall number of women screened by the programme compared to the previous year. There has been an 8.3% increase in the number of women screened at incident rounds and a 10.3% decrease in screens recorded as short-term recall.

Table 2 : Acceptance rates have shown a small increase from the previous year. The extension of the programme to invite women up to the age of 70 remains evident in the figures with a more than two-fold increase in the number of women aged 65 or over being invited to screening at incident round (from 74814 in 2002/3 to 162580).

Tables 3 – 5 Outcomes of prevalent screens. There has been a small increase in the number of women aged between 50 and 64 screened at the prevalent round (from 294361 in 2002/3 to 302300) evident both in the number screened for the first time following their first invitation (from 251178 in 2002/3 to 257448) and in those who attend for screening for the first time having declined a previous invitation. There are almost twice as many women aged 65 or over in this latter category than in the previous year (from 970 in 2002/3 to 1801).

The cancer detection rates remain similar to the previous year.

Table 6 - 8 Outcomes of incident screens. The number of women aged 65 or over at incident screens continues to increase, with 130647 screened in comparison to 51681 in 2002/3. For women aged between 50 and 64 the invasive cancer detection rate has increased from 0.52% in 2002/3 to 0.55%.

There has been an increase in the number of women screened for a second or subsequent time, within 5 years of their last screen, both in the 50-64 age group (from 986635 in 2002/3 to 1008290) and for those aged 65 or over (from 43641 to 89297).

The implementation of the age extension also results in more older women being screened more than 5 years since their last routine screen; the number of such women continues to rise; from 15640 in 2002/3 to 41350 in 2003/4.

Table 9 : The decline in women placed on short-term recall continues with a 11% decrease in the number of women being placed on short-term recall, from 2842 in 2002/3 to 2528.

Table 10-13 Overall, the number of women self-referring has remained fairly constant. There has been a slight increase in the number of women aged between 50 and 64 who self-refer having never been screened by the programme, from 12006 in 2003/3 to 12965 in 2003/4. The number of women aged 65 or over who self refer, having

been screened less than 5 years ago, has decreased slightly as this age group is integrated into the programme, from 85151 in 2002/3 to 83649.

There has been a slight increase in the number of women aged 65 or over self-referring, having been screened more than 5 years ago, from 19074 in 2002/3 to 21002 .

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 : The assessment outcomes for all prevalent screens remain constant in comparison with the previous year.

Table 21 : There has been an increase in the incident round non-operative diagnosis rate, from 84.8 in 2002/3 to 86.3 for women aged between 50 and 64.

Table 22 : There has been a slight decrease in the number of women being placed on short-term recall who are referred for cytology or open biopsy, from 12.5% in 2002/3 to 11.4%. The number of women receiving a non-operative diagnosis of cancer has increased from 65.2% in 2002/3 to 69.0% in 2003/4.

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. The trend continues from 2002/3 for greater proportions of these women to receive non-operative diagnoses of cancer.

Table 27 : For cancers detected in women aged between 50 and 64, the percentage of cancers with either invasive status or size unknown has remained constant in comparison with the previous year.

Table 28 : The size distribution of invasive cancers remains similar to 2002/3 with over half of all sized invasive cancers detected in women aged between 50 and 64 being less than 15mm and approximately a quarter less than 10mm.

Table 29 : Overall, the number of women screened has increased by 6.5%. The percentage of women being referred for assessment has remained constant in comparison with 2002/3 and there has been a slight increase in the cancer detection rate from 0.73 to 0.79.

Table 30 : There has been an overall increase in the combined SDR from 1.32 in 2002/3 to 1.38. There has been a slight decrease in the overall prevalent SDR, from 1.43 to 1.39 and an increase in the incident SDR from 1.29 to 1.38.

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	32348	175	4406	135	78	12	37154
50-54	249777	22246	216979	8269	2891	1273	501435
55-59	4772	17023	486616	3034	8189	736	520370
60-64	2899	5583	363091	1662	7816	519	381570
65-70 ¹	964	1736	129061	2123	66893	252	201029
71 or over ²	55	65	1586	3476	37758	97	43037
Total (All ages)	290815	46828	1201739	18699	123625	2889	1684595

¹ Includes women aged 65-69 for Scotland

² Includes women aged 70 or over for Scotland

Table 2 Acceptance by type of screening

Age-group	1 st 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	73.7	43868	14.2	1229	75.6	5827	100.0	12	72.5	50936
50-54	75.0	333100	33.3	66871	87.1	249124	97.7	1303	75.4	650398
55-59	38.6	12379	19.1	89182	86.1	565478	97.4	756	76.2	667795
60-64	34.5	8407	10.5	53116	83.5	435010	96.3	539	74.9	497072
65-70 ¹	31.8	3031	8.8	19849	80.4	160583	96.6	261	71.9	183724
71 or over ²	53.9	102	19.8	328	79.4	1997	97.0	100	71.4	2527
Total (50-64)	72.8	353886	21.4	209169	85.4	1249612	97.3	2598	75.6	1815265
Total (50-70) ³	72.4	356917	20.3	229018	84.8	1410195	97.2	2859	75.2	1998989

¹ Includes women aged 65-69 for Scotland

² Includes women aged 70 or over for Scotland

³ Includes women aged 50-69 for Scotland

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	32523	8.7	2818	0.19	62	0.49	159	0.24	(0.13)	78	(42)	0.68	222
50-54	272023	8.8	23830	0.20	540	0.51	1399	0.26	(0.12)	706	(333)	0.72	1948
55-59	21795	8.5	1855	0.18	40	0.87	190	0.43	(0.22)	93	(47)	1.06	231
60-64	8482	7.8	660	0.20	17	1.04	88	0.44	(0.24)	37	(20)	1.26	107
65-70 ¹	2700	8.1	218	0.41	11	1.63	44	0.70	(0.33)	19	(9)	2.07	56
71 or over ²	120	9.2	11	0.00	0	1.67	2	1.67	(0.00)	2	(0)	1.67	2
Total (50-64)	302300	8.7	26345	0.20	597	0.55	1677	0.28	(0.13)	836	(400)	0.76	2286
Total (50-70) ³	305000	8.7	26563	0.20	608	0.56	1721	0.28	(0.13)	855	(409)	0.77	2342

¹ Includes women aged 65-69 for Scotland

² Includes women aged 70 or over for Scotland

³ Includes women aged 50-69 for Scotland

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	32348	8.7	2808	0.19	62	0.49	159	0.24	(0.13)	78	(42)	0.69	222
50-54	249777	8.8	21853	0.20	491	0.51	1263	0.26	(0.12)	640	(305)	0.71	1761
55-59	4772	7.1	339	0.10	5	0.59	28	0.36	(0.17)	17	(8)	0.69	33
60-64	2899	6.5	187	0.10	3	0.83	24	0.38	(0.24)	11	(7)	0.93	27
65-70 ¹	964	7.9	76	0.41	4	1.14	11	0.62	(0.10)	6	(1)	1.56	15
71 or over ²	55	7.3	4	0.00	0	3.64	2	3.64	(0.00)	2	(0)	3.64	2
Total (50-64)	257448	8.7	22379	0.19	499	0.51	1315	0.26	(0.12)	668	(320)	0.71	1821
Total (50-70) ³	258412	8.7	22455	0.19	503	0.51	1326	0.26	(0.12)	674	(321)	0.71	1836

¹ Includes women aged 65-69 for Scotland

² Includes women aged 70 or over for Scotland

³ Includes women aged 50-69 for Scotland

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	175	5.7	10	0.00	0	0.00	0	0.00	(0.00)	0	(0)	0.00	0
50-54	22246	8.9	1977	0.22	49	0.61	136	0.30	(0.13)	66	(28)	0.84	187
55-59	17023	8.9	1516	0.21	35	0.95	162	0.45	(0.23)	76	(39)	1.16	198
60-64	5583	8.5	473	0.25	14	1.15	64	0.47	(0.23)	26	(13)	1.43	80
65-70 ¹	1736	8.2	142	0.40	7	1.90	33	0.75	(0.46)	13	(8)	2.36	41
71 or over ²	65	10.8	7	0.00	0	0.00	0	0.00	(0.00)	0	(0)	0.00	0
Total (50-64)	44852	8.8	3966	0.22	98	0.81	362	0.37	(0.18)	168	(80)	1.04	465
Total (50-70) ³	46588	8.8	4108	0.23	105	0.85	395	0.39	(0.19)	181	(88)	1.09	506

¹ Includes women aged 65-69 for Scotland

² Includes women aged 70 or over for Scotland

³ Includes women aged 50-69 for Scotland

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	4406	3.9	173	0.07	3	0.18	8	0.07	(0.00)	3	(0)	0.25	11
50-54	216979	3.9	8401	0.11	236	0.37	796	0.20	(0.09)	439	(194)	0.48	1032
55-59	486616	3.9	19146	0.14	667	0.54	2612	0.28	(0.13)	1369	(645)	0.67	3283
60-64	363091	4.0	14359	0.17	605	0.68	2479	0.37	(0.17)	1332	(622)	0.85	3092
65-70 ¹	129061	4.2	5413	0.21	266	0.88	1130	0.47	(0.22)	612	(280)	1.09	1408
71 or over ²	1586	6.2	99	0.38	6	1.20	19	0.63	(0.32)	10	(5)	1.58	25
Total (50-64)	1066686	3.9	41906	0.14	1508	0.55	5887	0.29	(0.14)	3140	(1461)	0.69	7407
Total (50-70) ³	1195747	4.0	47319	0.15	1774	0.59	7017	0.31	(0.15)	3752	(1741)	0.74	8815

¹ Includes women aged 65-69 for Scotland

² Includes women aged 70 or over for Scotland

³ Includes women aged 50-69 for Scotland

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	4123	3.8	156	0.05	2	0.19	8	0.07	(0.00)	3	(0)	0.24	10
50-54	212427	3.8	8154	0.11	230	0.37	778	0.20	(0.09)	429	(190)	0.47	1008
55-59	458068	3.9	17632	0.13	616	0.52	2399	0.28	(0.13)	1275	(611)	0.66	3019
60-64	337795	3.8	12937	0.16	546	0.67	2263	0.36	(0.17)	1226	(570)	0.83	2816
65-70 ¹	88797	3.8	3386	0.18	164	0.78	696	0.45	(0.21)	402	(188)	0.97	865
71 or over ²	500	4.4	22	0.60	3	1.00	5	0.60	(0.40)	3	(2)	1.60	8
Total (50-64)	1008290	3.8	38723	0.14	1392	0.54	5440	0.29	(0.14)	2930	(1371)	0.68	6843
Total (50-70) ³	1097087	3.8	42109	0.14	1556	0.56	6136	0.30	(0.14)	3332	(1559)	0.70	7708

¹ Includes women aged 65-69 for Scotland

² Includes women aged 70 or over for Scotland

³ Includes women aged 50-69 for Scotland

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	283	6.0	17	0.35	1	0.00	0	0.00	(0.00)	0	(0)	0.35	1
50-54	4552	5.4	247	0.13	6	0.40	18	0.22	(0.09)	10	(4)	0.53	24
55-59	28548	5.3	1514	0.18	51	0.75	213	0.33	(0.12)	94	(34)	0.92	264
60-64	25296	5.6	1422	0.23	59	0.85	216	0.42	(0.21)	106	(52)	1.09	276
65-70 ¹	40264	5.0	2027	0.25	102	1.08	434	0.52	(0.23)	210	(92)	1.35	543
71 or over ²	1086	7.1	77	0.28	3	1.29	14	0.64	(0.28)	7	(3)	1.57	17
Total (50-64)	58396	5.5	3183	0.20	116	0.77	447	0.36	(0.15)	210	(90)	0.97	564
Total (50-70) ³	98660	5.3	5210	0.22	218	0.89	881	0.43	(0.18)	420	(182)	1.12	1107

¹ Includes women aged 65-69 for Scotland

² Includes women aged 70 or over for Scotland

³ Includes women aged 50-69 for Scotland

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	12	91.7	11	0.00	0	0.00	0	0.00	(0.00)	0	(0)	0.00	0
50-54	1273	90.6	1153	1.26	16	0.79	10	0.39	(0.24)	5	(3)	2.04	26
55-59	736	88.3	650	1.49	11	1.77	13	1.09	(0.54)	8	(4)	3.26	24
60-64	519	88.3	458	1.73	9	2.31	12	1.73	(0.96)	9	(5)	4.05	21
65-70 ¹	252	87.7	221	3.17	8	2.78	7	2.38	(0.79)	6	(2)	5.95	15
71 or over ²	97	85.6	83	1.03	1	6.19	6	5.15	(2.06)	5	(2)	7.22	7
Total (50-64)	2528	89.4	2261	1.42	36	1.38	35	0.87	(0.47)	22	(12)	2.81	71
Total (50-70) ³	2780	89.3	2482	1.58	44	1.51	42	1.01	(0.50)	28	(14)	3.09	86

¹ Includes women aged 65-69 for Scotland² Includes women aged 70 or over for Scotland³ Includes women aged 50-69 for Scotland

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	135	11.9	16	0.74	1	0.74	1	0.00	(0.00)	0	(0)	1.48	2
50-54	8269	8.5	701	0.19	16	0.64	53	0.28	(0.12)	23	(10)	0.83	69
55-59	3034	8.0	242	0.23	7	0.99	30	0.49	(0.26)	15	(8)	1.22	37
60-64	1662	8.1	134	0.06	1	1.38	23	0.90	(0.54)	15	(9)	1.44	24
65-70 ¹	2123	8.1	172	0.28	6	1.41	30	0.80	(0.33)	17	(7)	1.70	36
71 or over ²	3476	8.7	303	0.35	12	1.93	67	0.92	(0.35)	32	(12)	2.30	80
Total (50-64)	12965	8.3	1077	0.19	24	0.82	106	0.41	(0.21)	53	(27)	1.00	130
Total (50-70) ³	15088	8.3	1249	0.20	30	0.90	136	0.46	(0.23)	70	(34)	1.10	166

¹ Includes women aged 65-69 for Scotland

² Includes women aged 70 or over for Scotland

³ Includes women aged 50-69 for Scotland

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	76	4.0	3	0.00	0	0.00	0	0.00	(0.00)	0	(0)	0.00	0
50-54	2825	5.0	141	0.11	3	0.50	14	0.21	(0.07)	6	(2)	0.60	17
55-59	7201	4.9	353	0.17	12	0.58	42	0.32	(0.10)	23	(7)	0.75	54
60-64	6713	4.5	299	0.16	11	0.61	41	0.33	(0.18)	22	(12)	0.79	53
65-70 ¹	56985	4.6	2625	0.20	115	0.95	543	0.49	(0.23)	280	(130)	1.16	660
71 or over ²	26664	4.5	1201	0.24	65	1.03	275	0.63	(0.31)	167	(82)	1.29	343
Total (50-64)	16739	4.7	793	0.16	26	0.58	97	0.30	(0.13)	51	(21)	0.74	124
Total (50-70) ³	73724	4.6	3418	0.19	141	0.87	640	0.45	(0.20)	331	(151)	1.06	784

¹ Includes women aged 65-69 for Scotland

² Includes women aged 70 or over for Scotland

³ Includes women aged 50-69 for Scotland

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	2	0.0	0	0.00	0	0.00	0	0.00	(0.00)	0	(0)	0.00	0
50-54	66	4.6	3	0.00	0	0.00	0	0.00	(0.00)	0	(0)	0.00	0
55-59	988	4.6	45	0.40	4	0.30	3	0.20	(0.20)	2	(2)	0.71	7
60-64	1103	5.9	65	0.18	2	0.54	6	0.36	(0.18)	4	(2)	0.73	8
65-70 ¹	9908	6.2	612	0.31	31	1.49	148	0.68	(0.27)	67	(27)	1.81	179
71 or over ²	11094	7.0	772	0.34	38	1.63	181	0.86	(0.36)	95	(40)	1.98	220
Total (50-64)	2157	5.2	113	0.28	6	0.42	9	0.28	(0.19)	6	(4)	0.70	15
Total (50-70) ³	12065	6.0	725	0.31	37	1.30	157	0.61	(0.26)	73	(31)	1.61	194

¹ Includes women aged 65-69 for Scotland

² Includes women aged 70 or over for Scotland

³ Includes women aged 50-69 for Scotland

Table 13 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.		
50-64													
No previous screen	12965	8.3	1077	0.19	24	0.82	106	0.41	(0.21)	53	(27)	1.00	130
Previous screen	18896	4.8	906	0.17	32	0.56	106	0.30	(0.13)	57	(25)	0.74	139
65 or over													
No previous screen	5599	8.5	475	0.32	18	1.73	97	0.88	(0.34)	49	(19)	2.07	116
Previous screen	104651	5.0	5210	0.24	249	1.10	1147	0.58	(0.27)	609	(279)	1.34	1402

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

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	56.7	7.5	0.23	87.0	5.2
East Midlands	60.5	7.5	0.16	90.6	5.5
West Midlands	53.4	8.0	0.23	89.4	5.1
North West	51.5	9.0	0.27	89.2	5.9
East of England	56.9	8.9	0.21	89.6	5.2
London	39.7	8.5	0.24	86.1	5.0
South East	57.2	9.0	0.19	91.0	5.9
South West	58.1	9.9	0.29	87.4	5.9
Scotland ¹	55.8	10.8	0.23	-	5.9
Wales	55.3	8.5	0.22	88.1	6.0
Northern Ireland	55.1	6.4	0.22	89.9	5.7

¹ 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	Invasive Cancer detection rate per 1000 screened
	% of screened	% of screened	% of screened	% of cancers	
North East, Yorkshire & Humber	76.6	7.5	0.23	85.0	4.9
East Midlands	78.4	7.5	0.18	89.0	5.3
West Midlands	73.9	7.8	0.24	88.7	4.9
North West	71.6	9.0	0.24	88.6	5.5
East of England	74.0	8.9	0.20	90.4	4.7
London	57.8	8.5	0.26	83.8	4.2
South East	74.7	9.0	0.19	90.7	5.2
South West	75.6	9.9	0.31	86.1	5.6
Scotland ¹	75.4	10.9	0.25	-	5.3
Wales	74.3	8.5	0.23	87.7	5.9
Northern Ireland	74.1	6.4	0.23	90.5	5.2

¹ Data omitted where not comparable

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

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	87.0	3.7	0.08	94.6	5.5
East Midlands	87.8	3.9	0.09	94.7	5.8
West Midlands	86.1	3.4	0.06	92.5	5.3
North West	85.0	4.2	0.09	92.3	5.4
East of England	85.8	3.9	0.09	93.5	5.7
London	77.9	3.9	0.09	93.8	5.3
South East	86.4	3.8	0.06	92.9	5.3
South West	85.9	4.7	0.07	91.9	6.1
Scotland ¹	85.0	4.2	0.06	-	5.1
Wales	86.7	4.2	0.06	93.6	6.5
Northern Ireland	86.7	2.8	0.07	96.5	5.0

¹ Data omitted where not comparable

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

Region	Referral	Benign Biopsy	Non-operative diagnosis	Invasive Cancer detection rate per 1000 screened
	% of screened	% of screened	% of cancers	
North East, Yorkshire & Humber	5.1	0.11	96.15	5.7
East Midlands	5.3	0.10	78.95	6.4
West Midlands	5.1	0.09	88.89	6.9
North West	7.2	0.07	90.48	6.2
East of England	6.4	0.20	87.50	9.0
London	6.2	0.13	84.62	5.4
South East	6.3	0.12	93.33	7.5
South West	7.0	0.18	92.31	7.5
Scotland ¹	8.0	0.20	-	6.1
Wales	5.3	0.00	91.67	6.5
Northern Ireland	6.4	0.15	100	4.6

¹ 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	302300	3.5	10497	0.2	687	80.2	1834
Incident	1066686	1.5	16286	0.1	811	86.3	6392
Self/GP referral	31861	2.3	738	0.1	41	85.1	229
Short-term recall	2528	11.4	288	1.5	37	69.0	49

Table 19 Women placed on Short-term recall, ages 50-64

	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	302300	0.00	0	0.34	1033	0.34	1033
Incident	1066686	0.00	3	0.11	1216	0.11	1219
Self/GP referral	31861	0.00	0	0.22	71	0.22	71
Short-term recall	2528	0.16	4	5.26	133	5.42	137

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	32523	3.2	1055	0.3	81	91.4	203
50-54	272023	3.5	9396	0.2	619	80.4	1566
55-59	21795	3.6	786	0.2	48	79.7	184
60-64	8482	3.7	315	0.2	20	78.5	84
65-70 ¹	2700	4.4	119	0.3	8	91.1	51
71 or over ²	120	3.3	4	0.8	1	100.0	2
Total (50-64)	302300	3.5	10497	0.2	687	80.2	1834
Total (50-70) ³	305000	3.5	10616	0.2	695	80.5	1885

¹ Includes women aged 65-69 for Scotland

² Includes women aged 70 or over for Scotland

³ Includes women aged 50-69 for Scotland

Table 21 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	4406	0.8	36	0.1	3	100.0	11
50-54	216979	1.3	2720	0.1	138	86.5	893
55-59	486616	1.5	7398	0.1	392	85.8	2818
60-64	363091	1.7	6168	0.1	281	86.7	2681
65-70 ¹	129061	2.0	2572	0.1	100	90.5	1274
71 or over ²	1586	4.1	65	0.3	4	28.0	7
Total (50-64)	1066686	1.5	16286	0.1	811	86.3	6392
Total (50-70) ³	1195747	1.6	18858	0.1	911	87.0	7666

¹ Includes women aged 65-69 for Scotland

² Includes women aged 70 or over for Scotland

³ Includes women aged 50-69 for Scotland

Table 22 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	12	16.7	2	8.3	1	0.0	0
50-54	1273	10.1	129	1.3	17	57.7	15
55-59	736	10.5	77	1.2	9	75.0	18
60-64	519	15.8	82	2.1	11	76.2	16
65-70 ¹	252	14.7	37	1.6	4	46.7	7
71 or over ²	97	15.5	15	1.0	1	71.4	5
Total (50-64)	2528	11.4	288	1.5	37	69.0	49
Total (50-70) ³	2780	11.7	325	1.5	41	65.1	56

¹ Includes women aged 65-69 for Scotland

² Includes women aged 70 or over for Scotland

³ Includes women aged 50-69 for Scotland

Table 23 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	213	2.4	5	0.0	0	50.0	1
50-54	11160	2.9	328	0.2	21	75.6	65
55-59	11223	2.0	223	0.1	13	90.8	89
60-64	9478	2.0	187	0.1	7	88.2	75
65-70 ¹	69016	2.3	1607	0.1	63	85.8	751
71 or over ²	41234	2.8	1155	0.1	33	84.1	541
Total (50-64)	31861	2.3	738	0.1	41	85.1	229
Total (50-70) ³	100877	2.3	2345	0.1	104	85.7	980

¹ Includes women aged 65-69 for Scotland

² Includes women aged 70 or over for Scotland

³ Includes women aged 50-69 for Scotland

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	135	3.7	5	0.0	0	50.0	1
50-54	8269	3.4	283	0.2	18	73.9	51
55-59	3034	2.8	85	0.1	3	89.2	33
60-64	1662	3.2	53	0.2	3	87.5	21
65-70 ¹	2123	3.3	69	0.1	3	91.7	33
71 or over ²	3476	4.8	165	0.1	5	95.0	76
Total (50-64)	12965	3.3	421	0.2	24	80.8	105
Total (50-70) ³	15088	3.3	490	0.2	27	83.1	138

¹ Includes women aged 65-69 for Scotland

² Includes women aged 70 or over for Scotland

³ Includes women aged 50-69 for Scotland

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	76	0.0	0	0.0	0	0.0	0
50-54	2825	1.6	44	0.1	3	82.4	14
55-59	7201	1.7	125	0.1	9	90.7	49
60-64	6713	1.7	112	0.1	4	86.8	46
65-70 ¹	56985	2.1	1220	0.1	49	85.5	564
71 or over ²	26664	2.2	588	0.1	14	81.3	279
Total (50-64)	16739	1.7	281	0.1	16	87.9	109
Total (50-70) ³	73724	2.0	1501	0.1	65	85.8	673

¹ Includes women aged 65-69 for Scotland

² Includes women aged 70 or over for Scotland

³ Includes women aged 50-69 for Scotland

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	2	0.0	0	0.0	0	0.0	0
50-54	66	1.5	1	0.0	0	0.0	0
55-59	988	1.3	13	0.1	1	100.0	7
60-64	1103	2.0	22	0.0	0	100.0	8
65-70 ¹	9908	3.2	318	0.1	11	86.0	154
71 or over ²	11094	3.6	402	0.1	14	84.6	186
Total (50-64)	2157	1.7	36	0.1	1	100.0	15
Total (50-70) ³	12065	2.9	354	0.1	12	87.1	169

¹ Includes women aged 65-69 for Scotland

² Includes women aged 70 or over for Scotland

³ Includes women aged 50-69 for Scotland

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	597	26.1	11	0.5	47	2.1	2286
Incident	1508	20.4	12	0.2	112	1.5	7407
Self/GP referral	56	20.8	1	0.4	8	3.0	269
Short-term recall	36	50.7	0	0.0	0	0.0	71

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

	Invasive Cancers	<10mm		<15mm	
		No.	%	No.	%
Prevalent	1677	400	24.5	836	51.3
Incident	5887	1461	25.3	3140	54.4
Self/GP referral	212	52	25.5	110	53.9
Short-term recall	35	12	34.3	22	62.9

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	37154	8.1	3021	0.2	66	0.5	168	0.22	(0.11)	81	(42)	0.63	235
50-64	1403375	5.2	72495	0.2	2197	0.6	7811	0.29	(0.14)	4108	(1925)	0.71	10033
65-70 ¹	201029	4.6	9261	0.2	437	1.0	1902	0.50	(0.23)	1001	(455)	1.17	2354
71 or over ²	43037	5.7	2469	0.3	122	1.3	550	0.72	(0.33)	311	(141)	1.57	677
Total (All ages)	1684595	5.2	87246	0.2	2822	0.6	10431	0.33	(0.15)	5501	(2563)	0.79	13299

¹ Includes women aged 65-69 for Scotland

² Includes women aged 70 or over for Scotland

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

Region	Prevalent	Incident	Overall
North East, Yorkshire & Humber	1.31	1.38	1.37
East Midlands	1.39	1.44	1.43
West Midlands	1.30	1.34	1.33
North West	1.51	1.34	1.37
East of England	1.32	1.42	1.39
London	1.17	1.32	1.27
South East	1.46	1.34	1.37
South West	1.49	1.51	1.51
Scotland	1.44	1.23	1.29
Wales	1.53	1.63	1.61
Northern Ireland	1.40	1.23	1.27
Total	1.39	1.38	1.38
(Total previous year)	(1.43)	(1.29)	(1.32)

Table 31 Number and percentage of screening programmes meeting standards (94 screening programmes)

	Minimum Standard	No.	%	Target	No.	%
Prevalent Round (1st invitation only - ages 50-54)						
Acceptance rate	$\geq 70\%$	83	88.3	$\geq 80\%$	22	23.4
Invasive cancer detection rate	≥ 2.7 p. 1000	90	95.7	≥ 3.6 p. 1000	78	83.0
Insitu and microinvasive detection rate	≥ 0.4 p. 1000	88	93.6			
Standardised detection ratio (SDR) ¹	≥ 0.8 5	85	90.4	≥ 1.0	78	83.0
Invasive cancers < 15mm	≥ 1.5 p.1000	77	81.9	≥ 2.0 p. 1000	57	60.6
Referred for assessment	<10%	70	74.5	<7%	23	24.5
Placed on Short-term recall	<0.5%	71	75.5	$\leq 0.25\%$	43	45.7
Non-operative diagnosis of cancer	$\geq 80\%$	76	80.9	$\geq 90\%$	44	46.8
Benign biopsy rate	< 3.6 p. 1000	79	84.0	< 1.8 p. 1000	40	42.6
Incident Round (last screen within 5 years - ages 50-64)						
Acceptance rate	$\geq 70\%$	94	100	$\geq 80\%$	92	97.9
Invasive cancer detection rate	≥ 3.1 p. 1000	94	100	≥ 4.0 p. 1000	87	92.6
Insitu and microinvasive detection rate ¹	≥ 0.5 p. 1000	94	100			
Standardised detection ratio (SDR)	≥ 0.85	92	97.9	≥ 1.0	87	92.6
Invasive cancers < 15mm	≥ 1.65 p. 1000	92	97.9	≥ 2.2 p. 1000	81	86.2
Referred for assessment	<7%	93	98.9	<5%	82	87.2
Placed on Short-term recall	<0.5%	94	100	$\leq 0.25\%$	81	86.2
Non-operative diagnosis of cancer	$\geq 80\%$	87	92.6	$\geq 90\%$	68	72.3
Benign biopsy rate	< 2.0 p. 1000	93	98.9	< 1.0 p. 1000	69	73.4

¹ First invitation and previous non-attenders (Tables A and B) and ages 50-64.

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

Invasive 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 i.e. 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