

Breast Screening Programme, England: 2000-01

This bulletin summarises information from the computerised call and recall system for breast cancer screening and from breast screening units in England in 2000-01, including some information about earlier years.

KEY FACTS

At 31 March 2001:

- 70.2% of women aged 50-64 resident in England had been screened at least once in the previous 3 years (69.3% at 31 March 2000); for women aged 55-64, coverage improved from 75.6% to 76.2%.
- In 88 of the 99 Health Authorities the coverage was 60% or higher; coverage was 70% or higher in 61 Health Authorities (56 Health Authorities at 31 March 2000).

In 2000-01:

- 75% of women aged 50-64 invited for screening were screened.
- 1.3 million women of all ages were screened within the programme.
- 8,345 cases of cancer were diagnosed in women screened.

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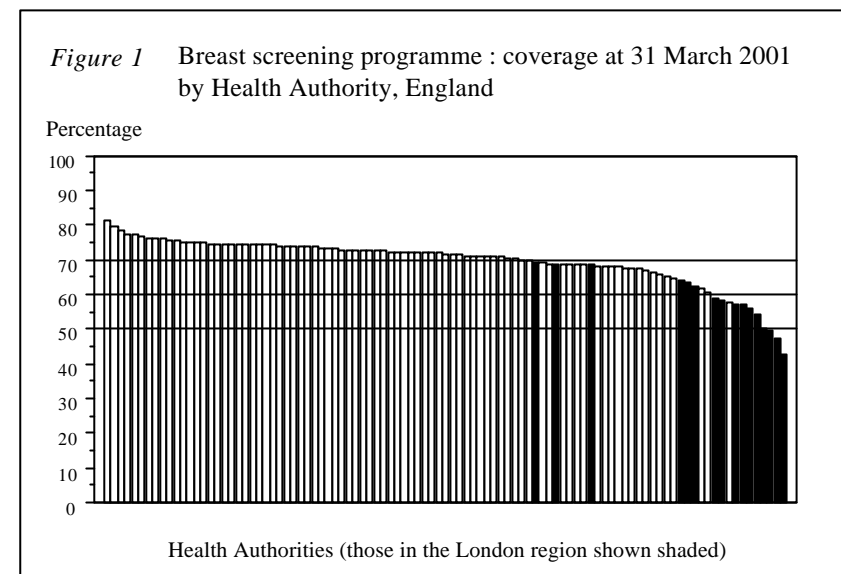
These National Statistics were prepared by the Government Statistical Service

1 INTRODUCTION

1.1 The information in this publication, about the breast cancer screening programme in England, is collected on two Department of Health returns. Screening units report the process and outcomes of the call and recall system on return KC62; and Health Authorities report the population coverage of the programme on return KC63.

1.2 This is the seventh bulletin to be published on breast cancer screening including data from both the KC62 and KC63 returns. Annual summaries of information from the KC62 were produced from 1988-89 to 1993-94.

1.3 KC63 returns were received from all of the 99 Health Authorities (HAs).



KC62 returns were received from all 84 screening units.

2 ANALYSIS AND COMMENTARY

2.1 Overview

2.1.1 Reported coverage of the screening programme (see para 3.1 for definition) rose from 69.3% in 2000 to 70.2% in 2001; this is the

6th successive year-on-year increase in coverage. Coverage in 2001 was higher than 70% in nearly two thirds of the Health Authorities; in only 3 Health Authorities was coverage below 50%. Uptake during 2000-01 was 75.3%, fractionally less than it has been each year since 1995-96 (Table A).

2.2 Coverage (Tables 1, 2 & 11)

2.2.1 The reported coverage by the screening programme at 31 March 2001 of women aged 50-64 was 70.2%. Coverage among women aged 55-64 was about 76.2%, up from 75.6% in 2000, and the relatively low figure (61.0%) for women aged 50-54 is probably at least partly due to the procedure of calling women for the first time between their 50th and 53rd birthdays, so that the average age at first screen is about 51½; the population denominator nevertheless includes all women aged 50-64.

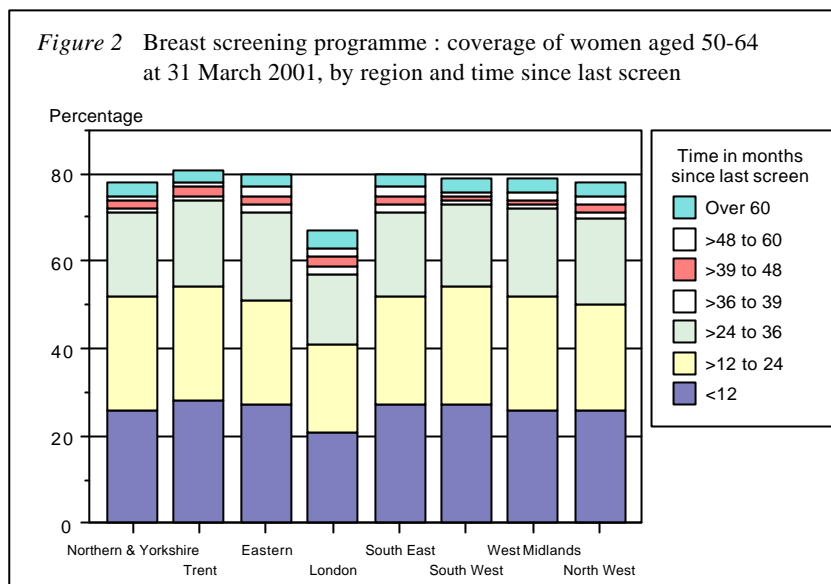
Table A Breast screening programme : coverage and uptake 1991-1992 to 2000-2001

England	percentages	
	Coverage at end of year	Uptake during the year
1991-1992	..	71.6
1992-1993	..	71.8
1993-1994	..	72.1
1994-1995	63.9	77.4
1995-1996	65.4	76.2
1996-1997	65.6	75.5
1997-1998	66.4	75.4
1998-1999	67.7 ⁽¹⁾	76.2
1999-2000	69.3	75.6
2000-2001	70.2	75.3

.. Data not available

(1) Revised Data

2.2.2 Coverage of the target age group 50-64 varied considerably between Regional Office (RO) areas, from 57.8% in London to over 74% in Trent. At HA level, nearly two thirds of authorities reported coverage higher than 70% and just over one quarter reported coverage between 60% and 70%. In only 3 of the 99 HAs was coverage below 50%; all three were in the London region. (Figure 1).



2.2.3 The coverage figures described above include only those women who were within 3 years of their latest screening test. In addition to the 70% of women within 3 years of their latest test at 31 March 2001, a further 1% had their latest screen between 3 and 3¼ years previously, possibly due to local slippage in sending out

screening invitations, or to patient choice. As with coverage generally, there were marked differences between regions (Figure 2).

2.2.4 Among women aged 55-64, about 76% were within 3 years of their latest screen, 2% within 3-3¼ years and 9% more than 3¼ years; only 13% of women

in this age group were reported as never having been screened (Figure 3).

2.3 Uptake of invitations for screening (Tables 3, 4, 5, 12 & 13)

2.3.1 Just under 1.5 million women in the target age group were invited for screening in 2000-01. For about 21% this was their first ever invitation; for about 12% it was a second or subsequent invitation to women who had not previously attended for screening and for about 61% it was a routine recall. About 0.22% of invitations were early recalls: women whose screening outcome indicated that monitoring more frequently than the routine 3-year screening interval was desirable.

2.3.2 Overall, 75.3% of target age group women invited in 2000-01 were screened. Of the 84 screening units, 26 recorded uptake rates of 80% or over and a further 47 recorded

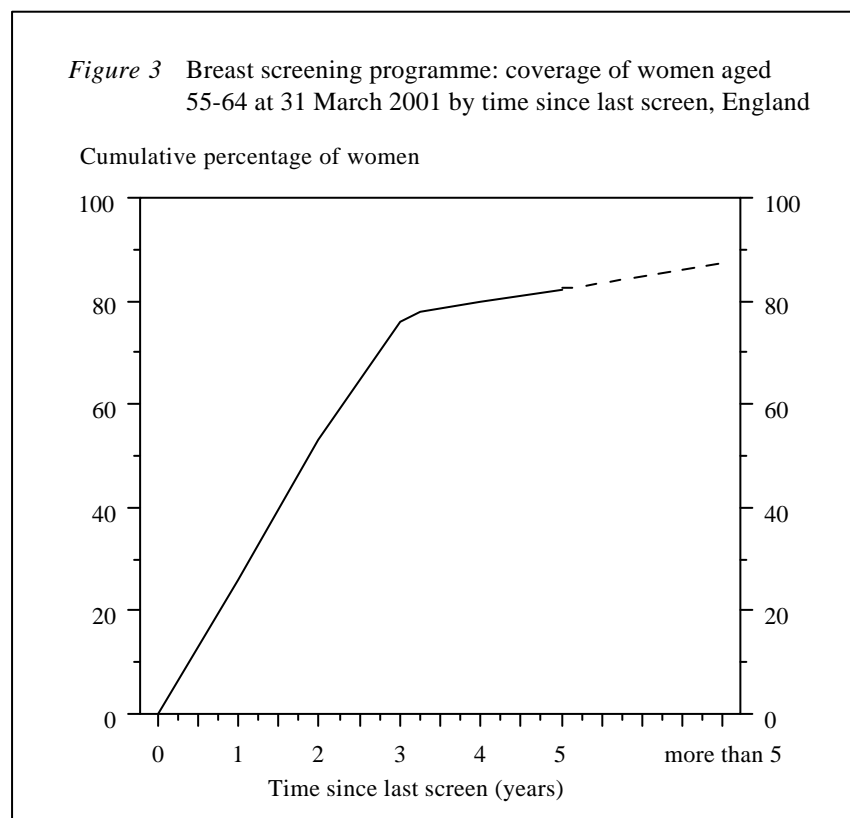
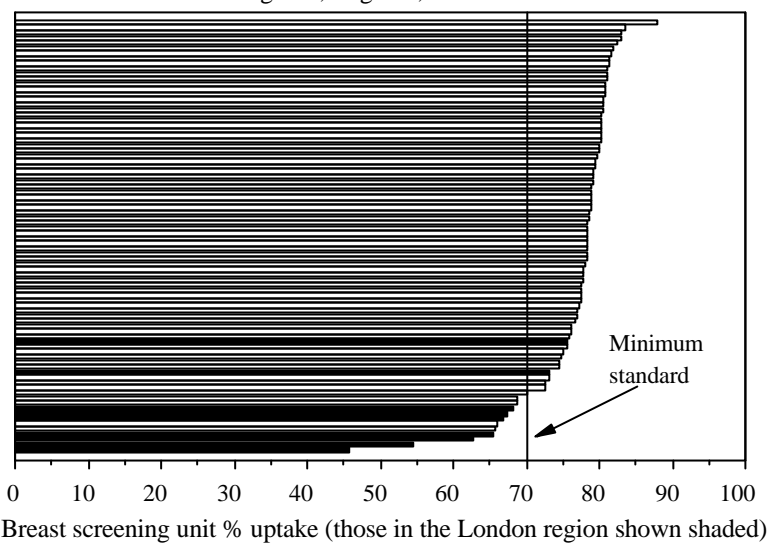


Figure 4 Breast screening programme: uptake by breast screening unit, England, 2000-01



rates between 70% and 80%. Uptake rates below 70% were recorded by 11 units, 7 of which were in the London region (Figure 4).

2.3.3 Uptake rates varied considerably according to the type of invitation. About 73% of women receiving their first invitation in 2000-01 were screened; and about 90% of women who had already been screened in a previous round and received a routine invitation to be screened again were screened. Of women who received a routine invitation, having failed to respond to a previous invitation, as many as 21% responded and were screened.

2.4 Outcome of screening (Tables 6 & 7)

2.4.1 Just under 1.3 million women were screened in 2000-01. The vast majority were women in the target age group screened following an invitation. In addition, some 110,000

women were screened following self-referral or referral by a GP. Of the total number screened, about 4% were aged between 45 and 49 and a further 8% were aged 65 or over.

2.4.2 Of the women screened, 5% were referred for assessment; the rates for women attending for the first time (in the prevalent round) and those attending who had been previously screened (in the incident round) were markedly different. About 8.3% of women in the prevalent round were referred for assessment, compared with only 3.9% of women in the incident round. For women in the prevalent round who were referred, about 1 in 3 underwent cytology and/or core biopsy and about 1 in 20 were referred for open biopsy; early recall was recommended for about 1 in 17 women referred for assessment. For women referred from the incident round, about 1 in 4

underwent cytology and/or core biopsy and about 1 in 25 were referred for open biopsy; early recall was also recommended for about 1 in 25 women referred for assessment. Of women screened and referred for assessment following a previous recommendation for early recall, just over 6% were again recommended for early recall.

2.5 Cancers detected (Tables 8, 9 & 10)

2.5.1 A total of 8,345 cancers (including invasive and in situ) were detected by the screening programme in 2000-01, a rate of 6.4 per 1,000 women screened. Overall the rate was slightly higher than in 1999-2000, but whereas in the incident round the rate increased from 5.4 to 5.5 cases per 1000 women screened, in the prevalent round the rate increased from 6.1 to 6.7. It is known that the incidence of breast cancer rises with age and this pattern was observed with cancers detected by the screening programme. The detection rate was 4.1 per 1,000 for women aged 45-49, 5.7 per 1,000 for women aged 50-59 and 7.1 per 1,000 for women aged 60-64. The rate for women aged 65 or over was much higher (11.1 per 1,000).

2.5.2 The cancer detection rate varied by type of invitation as well as by age. The quite different age structure of women in the different invitation type

groups makes direct comparison difficult. It is clear that the highest detection rate was for women screened after early recall, regardless of age. For all groups where the number of cases was sufficiently large for analysis, detection rates in the incident round for women having their second or subsequent routine screen (within 5 years of a previous screen) were the lowest and the detection rates for previous non-attenders were the highest (Table B).

2.5.3 Of the cancers detected 1,728 (21%) were non-invasive or micro-invasive and a further 3,475 (42%) were small i.e. less than 15mm. The distribution of cancers by size was broadly similar for prevalent

and incident screening rounds, the proportion of non-invasive and micro-invasive was slightly higher in the prevalent round at 26%, compared with 20% in the incident round. Cancers found after early recall screening were more likely to be non-invasive or micro-invasive (38% of cancers found). Small cancers accounted for about half of all invasive cancers found in the prevalent and incident rounds and for about 56% of those found after early recall screening.

3 DEFINITIONS

3.1 The *coverage* of the screening programme is the proportion of women resident (excluding those ineligible eg those who have

had a double mastectomy) who have had a test with a recorded result at least once in the previous 3 years.

3.2 The *uptake* of the screening programme is the proportion of women invited for screening for whom a screening test result is recorded.

3.3 *Prevalent* screening is that of women being screened for the first time within the breast screening programme.

3.4 *Incident* screening is that of women previously screened within the breast screening programme.

3.5 The breast screening programme covers women aged 50-64 as routine and women aged 65 and over on request. The data include also some women aged 45-49. The vast majority of these are women aged 49 who have been called for their first routine screening a few months early, but some are participating in the trial for screening women under 50.

4 EDITORIAL NOTES

Press enquiries should be made to:

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Richmond House
79 Whitehall
London,
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England		rate per 1000 women screened						
Type of invitation	All ages 45 and over	45-49	50-54	55-59	60-64	65-69	70+	
Total	6	4	6	6	7	10	14	
1st invitation for routine screening	7	5	7	7	11	(19)	(40)	
Routine invitation to previous non-attenders	9	.	8	9	15	(17)	(0)	
Routine invitation to previous attenders (Last screen within 5 years)	6	.	4	5	7	8	(0)	
Routine invitation to previous attenders (Last screen more than 5 years previously)	8	.	5	7	9	(18)	(0)	
Early recalls	31	.	(18)	(38)	(46)	(56)	(56)	
Self / GP referral (no previous screen)	10	0	5	8	10	14	19	
Self / GP referral (within 5 yrs)	9	.	6	6	8	9	11	
Self / GP referral (> 5 yrs)	16	.	(0)	(14)	(6)	17	16	

Rates shown in brackets are based on fewer than 2000 women screened

Source : Form KC62

. not applicable (see Table 5)

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This bulletin can also be found on the Department of Health Website:

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January 2002

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Table 1

Breast screening programme : test status of women
and coverage by age, 31 March 2001

England				thousands
Age at test	Number of women resident	Number ineligible	Number of women less than 3 years since last test	Coverage (less than 3 years since last test) (%)
50-64	4,382.3	8.7	3,070.8	70.2
45-49	1,600.8	0.2	42.1	2.6
50-54	1,732.4	1.8	1,056.3	61.0
55-59	1,417.9	3.2	1,087.6	76.9
60-64	1,232.1	3.7	926.8	75.4
65 and over	4,617.1	6.7	493.2	10.7

Source : Form KC63

Table 2

Breast screening programme : test status and coverage
of target age group (50-64) by region, 31 March 2001

				thousands
Regional Office area	Number of women resident	Number ineligible	Number of women less than 3 years since last test	Coverage (less than 3 years since last test) (%)
England	4,382.3	8.7	3,070.8	70.2
Northern & Yorkshire	561.3	1.3	402.0	71.8
Trent	464.1	1.7	342.9	74.2
Eastern	492.8	0.7	352.7	71.7
London	551.4	0.8	318.3	57.8
South East	781.9	1.2	555.8	71.2
South West	471.6	0.7	347.9	73.9
West Midlands	476.6	1.5	343.8	72.4
North West	582.8	0.7	407.3	70.0

Source : Form KC63

Table 2a

Breast screening programme : women screened by age, region and time since last screen, 2000-01

percentage of eligible women

Age	Regional Office area	Time since last screen					Total never screened
		less than or equal to 36 months	> 36 up to 39 months	> 39 up to 48 months	> 48 up to 60 months	Over 60 months	
50-64	England	70	1	2	2	3	22
	Northern & Yorkshire	72	1	2	1	3	21
	Trent	74	1	2	1	3	19
	Eastern	72	2	2	2	3	21
	London	58	2	2	2	4	32
	South East	71	2	2	2	3	21
	South West	74	1	1	1	3	20
	West Midlands	72	1	1	2	3	21
	North West	70	1	2	2	3	22
50-54	England	61	1	1	1	0	37
	Northern & Yorkshire	63	1	1	0	0	35
	Trent	64	1	1	0	0	33
	Eastern	62	1	1	1	0	35
	London	49	1	1	1	0	48
	South East	62	1	1	1	0	35
	South West	64	1	1	0	0	34
	West Midlands	63	1	1	1	0	35
	North West	61	1	1	1	0	36
55-59	England	77	2	2	2	4	13
	Northern & Yorkshire	78	2	2	2	4	12
	Trent	81	1	2	2	3	10
	Eastern	78	2	2	3	3	12
	London	64	2	3	3	5	23
	South East	77	2	2	2	4	12
	South West	80	1	2	2	4	11
	West Midlands	79	1	2	2	3	12
	North West	76	2	2	2	4	13
60-64	England	75	2	2	2	6	12
	Northern & Yorkshire	77	2	2	2	6	11
	Trent	79	2	2	2	5	10
	Eastern	77	2	2	2	6	11
	London	63	2	3	3	8	21
	South East	77	2	2	2	6	10
	South West	79	1	2	2	6	10
	West Midlands	77	2	2	2	6	12
	North West	74	2	2	2	7	12

Source : Form KC63 Part B

Table 3 Breast screening programme : estimated uptake of invitations to screen⁽¹⁾
by women aged 50-64 by region, 1995-96 to 2000-01

Regional Office area	percentages					
	1995-96	1996-97	1997-98	1998-99	1999-2000	2000-01
England	76.2	75.5	75.4	76.2	75.6	75.3
Northern & Yorkshire	77	77	79	78	78	79
Trent	81	81	81	81	81	81
Eastern	80	79	76	77	77	76
London	62	61	62	63	62	62
South East	78	78	79	79	77	77
South West	79	79	78	79	78	78
West Midlands	78	76	76	77	77	77
North West	77	77	75	76	75	75

⁽¹⁾ First invitations, routine invitations and early recall invitations

Source : Form KC62

Table 3a Breast screening programme : estimated uptake of invitations to screen
by women aged 50-64 by type of invitation and region, 2000-01

Regional Office area	percentages							
	Invitation type					Invitation type grouping		
	First invitation for screening	Routine invitation (previous non-attender)	Routine invitation (within 5 yrs)	Routine invitation (more than 5 yrs)	Early recall invitations	First & routine invitation (within 5 yrs)	First & all routine invitations	First, ⁽¹⁾ routine and early recall invitations
England	72.6	21.1	88.9	51.5	97.3	84.6	75.3	75.3
Northern & Yorkshire	78.2	19.5	90.5	49.1	96.6	87.3	78.6	78.7
Trent	78.7	21.4	91.4	47.4	98.4	88.4	81.0	81.0
Eastern	74.0	23.4	88.6	58.5	98.1	84.5	75.7	75.7
London	57.7	18.4	82.8	44.5	97.1	74.9	62.2	62.3
South East	73.3	24.7	89.2	50.7	96.1	85.3	77.2	77.2
South West	76.6	23.4	89.6	59.9	96.2	86.4	78.1	78.2
West Midlands	73.0	20.3	89.8	50.3	100.0	85.8	76.5	76.5
North West	73.6	19.5	88.7	50.1	99.0	84.9	74.8	74.9

⁽¹⁾ This is the grouping used in Table 3 above

Source : Form KC62

Table 4 Breast screening programme : number of women invited and estimated uptake of invitations to screen, by age and type of invitation, 2000-01

England

Type of Invitation	All ages 45 & over	Target Age Group 50-64	Age					
			45-49	50-54	55-59	60-64	65-69	70 & over
Numbers								
Total number of women invited	1,579,457	1,484,003	64,181	607,194	476,215	400,594	30,881	392
1st invitation for routine screening	359,843	317,435	41,914	300,711	9,502	7,222	456	38
Routine invitation to previous non-attenders	181,522	174,894	2,913	61,314	65,420	48,160	3,676	39
Routine invitation to previous attenders (Last screen within 5 years)	947,320	905,704	18,323	237,590	364,787	303,327	23,157	136
Routine invitation to previous attenders (Last screen more than 5 years previously)	87,050	82,645	985	5,771	35,663	41,211	3,334	86
Early recalls	3,722	3,325	46	1,808	843	674	258	93
Uptake (percentage screened of women invited)								
Total	75.2	75.3	72.1	75.7	75.7	74.3	73.3	86.7
1st invitation for routine screening	72.8	72.6	74.4	74.7	37.0	33.4	35.5	65.8
Routine invitation to previous non-attenders	20.6	21.1	5.8	32.1	18.1	11.0	9.8	69.2
Routine invitation to previous attenders (Last screen within 5 years)	88.7	88.9	80.2	88.1	89.1	89.1	87.8	95.6
Routine invitation to previous attenders (Last screen more than 5 years previously)	50.9	51.5	18.6	69.7	54.5	46.3	45.5	79.1
Early recalls	97.3	97.3	97.8	97.7	97.2	96.3	97.3	96.8

Source : Form KC62

Table 5 Breast screening programme : number of women screened by age and type of invitation, 2000-01

England

thousands

Type of invitation	All ages 45 & over screened	Target Age Group 50-64 screened	Age					
			45-49	50-54	55-59	60-64	65-69	70 & over
Total	1,298.8	1,148.8	46.9	469.9	370.7	308.2	76.2	26.9
1st invitation for routine screening	261.8	230.4	31.2	224.5	3.5	2.4	0.2	0.0
Routine invitation to previous non-attenders	37.4	36.9	. (1)	19.7	11.8	5.3	0.4	0.0
Routine invitation to previous attenders (Last screen within 5 years)	840.0	804.8	. (1)	209.4	325.1	270.4	20.3	0.1
Routine invitation to previous attenders (Last screen more than 5 years previously)	44.3	42.5	. (1)	4.0	19.4	19.1	1.5	0.1
Early recalls	3.6	3.2	. (1)	1.8	0.8	0.6	0.3	0.1
Self / GP referral (no previous screen)	19.9	13.0	0.2	7.5	3.2	2.3	2.1	4.6
Self / GP referral (within 5 yrs)	76.4	16.4	. (1)	3.0	6.1	7.2	44.9	14.6
Self / GP referral (> 5 yrs)	15.4	1.6	. (1)	0.0	0.7	0.9	6.5	7.3

(1) A small number of women recorded in these categories may have been participating in trial schemes

Source : Form KC62

Table 6 Breast screening programme : women aged 45 and over screened by type of invitation and outcome, 2000-01

England

Type of invitation	Number of women screened	Referred for assessment ⁽¹⁾		Referred for cytology and/or core biopsy ⁽²⁾ (number)	Referred for open biopsy (number)	Early Recall ⁽³⁾	
		(number)	%			(number)	%
Total	1,298,752	68,376	5.3	20,804	2,841	3,398	0.3
1st invitation for routine screening	261,802	21,836	8.3	7,390	1,039	1,276	0.5
Routine invitation to previous non-attenders	37,418	3,073	8.2	1,089	130	226	0.6
Routine invitation to previous attenders (Last screen within 5 years)	839,950	32,270	3.8	9,106	1,218	1,282	0.2
Routine invitation to previous attenders (Last screen more than 5 years previously)	44,313	2,360	5.3	748	102	107	0.2
Early recalls	3,621	3,100	85.6	438	104	198	5.5
Self / GP referral (no previous screen)	19,889	1,531	7.7	512	63	91	0.5
Self / GP referral (within 5 yrs)	76,364	3,285	4.3	1,133	149	152	0.2
Self / GP referral (> 5 yrs)	15,395	921	6.0	388	36	66	0.4

(1) Including women referred for cytology, core biopsy or open biopsy

Source : Form KC62

(2) Including women referred for open biopsy

(3) Including all women whose final outcome was early recall, whether after initial screen, assessment, cytology or biopsy (core or open)

Table 6a Breast screening programme : women aged 50-64 screened by type of invitation and outcome, 2000-01

England

Type of invitation	Number of women screened	Referred for assessment ⁽¹⁾		Referred for cytology and/or core biopsy ⁽²⁾ (number)	Referred for open biopsy (number)	Early Recall ⁽³⁾	
		(number)	%			(number)	%
Total	1,148,811	60,213	5.2	18,053	2,493	2,982	0.3
1st invitation for routine screening	230,418	19,233	8.3	6,583	930	1,121	0.5
Routine invitation to previous non-attenders	36,861	3,026	8.2	1,068	130	222	0.6
Routine invitation to previous attenders (Last screen within 5 years)	804,788	31,061	3.9	8,761	1,178	1,244	0.2
Routine invitation to previous attenders (Last screen more than 5 years previously)	42,544	2,256	5.3	703	95	101	0.2
Early recalls	3,235	2,780	85.9	387	88	183	5.7
Self / GP referral (no previous screen)	13,023	970	7.4	282	32	60	0.5
Self / GP referral (within 5 yrs)	16,372	797	4.9	233	33	42	0.3
Self / GP referral (> 5 yrs)	1,570	90	5.7	36	7	9	0.6

(1) Including women referred for cytology, core biopsy or open biopsy

Source : Form KC62

(2) Including women referred for open biopsy

(3) Including all women whose final outcome was early recall, whether after initial screen, assessment, cytology or biopsy (core or open)

Table 7 Breast screening programme : women screened by age, region and outcome, 2000-01

England

Age	Regional Office area	Number of women screened	Referred ⁽¹⁾ for assessment		Referred ⁽²⁾ for cytology and/or core biopsy (number)	Referred for open biopsy (number)	Early Recall ⁽³⁾	
			(number)	%			(number)	%
45 & over	England	1,298,752	68,376	5.3	20,804	2,841	3,398	0.3
	Northern & Yorkshire	178,080	8,602	4.8	3,230	417	383	0.2
	Trent	138,329	6,058	4.4	2,164	255	143	0.1
	Eastern	146,276	7,410	5.1	2,772	313	404	0.3
	London	143,724	8,206	5.7	2,501	327	533	0.4
	South East	245,335	14,202	5.8	3,788	468	787	0.3
	South West	141,990	8,443	5.9	2,219	308	385	0.3
	West Midlands	136,173	5,433	4.0	1,589	245	176	0.1
	North West	168,845	10,022	5.9	2,541	508	587	0.3
50-64	England	1,148,811	60,213	5.2	18,053	2,493	2,982	0.3
	Northern & Yorkshire	155,909	7,529	4.8	2,834	360	340	0.2
	Trent	119,434	5,223	4.4	1,821	216	120	0.1
	Eastern	129,381	6,553	5.1	2,418	266	360	0.3
	London	129,161	7,298	5.7	2,198	287	478	0.4
	South East	214,514	12,465	5.8	3,256	421	695	0.3
	South West	124,947	7,378	5.9	1,890	263	327	0.3
	West Midlands	124,271	4,881	3.9	1,393	224	151	0.1
	North West	151,194	8,886	5.9	2,243	456	511	0.3

(1) Including women referred for cytology, core biopsy or open biopsy

Source : Form KC62

(2) Including women referred for open biopsy

(3) Including all women whose final outcome was early recall, whether after initial screen, assessment, cytology or biopsy (core or open)

Table 7a Breast screening programme : women screened by age and outcome, 2000-01

England

Age	Number of women screened	Referred ⁽¹⁾ for assessment		Referred ⁽²⁾ for cytology and/or core biopsy (number)	Referred for open biopsy (number)	Early Recall ⁽³⁾	
		(number)	%			(number)	%
Total	1,298,752	68,376	5.3	20,804	2,841	3,398	0.3
50-64	1,148,811	60,213	5.2	18,053	2,493	2,982	0.3
45-49	46,857	3,222	6.9	905	129	169	0.4
50-54	469,947	31,695	6.7	9,585	1,332	1,677	0.4
55-59	370,651	15,809	4.3	4,475	616	695	0.2
60-64	308,213	12,709	4.1	3,993	545	610	0.2
65-69	76,196	3,409	4.5	1,240	151	159	0.2
70 & over	26,888	1,532	5.7	606	68	88	0.3

(1) Including women subsequently referred for cytology, core biopsy or open biopsy

Source : Form KC62

(2) Including women subsequently referred for open biopsy

(3) Including all women whose final outcome was early recall, whether after initial screen, assessment, cytology or biopsy (core or open)

Table 8 Breast screening programme : women aged 45 and over screened and cancers detected by type of invitation, 2000-01

England

Type of invitation	Number of women screened (thousands)	Cancers detected					
		Number			Rate per 1,000 women screened		
		Total number of women with cancer	Non - invasive or micro - invasive	Small (<15mm)	Total	Non - invasive or micro - invasive	Small (<15mm)
Total	1,298.8	8,345	1,728	3,475	6.4	1.3	2.7
1st invitation	261.8	1,767	456	688	6.7	1.7	2.6
1st screen - previous non responder	37.4	350	63	118	9.4	1.7	3.2
Routine rescreen (within 5 yrs)	840.0	4,625	917	2,006	5.5	1.1	2.4
Routine rescreen (>5 yrs)	44.3	357	71	150	8.1	1.6	3.4
Early recall	3.6	112	40	39	30.9	11.0	10.8
Self / GP referral (no previous screen)	19.9	205	27	86	10.3	1.4	4.3
Self / GP referral (within 5 yrs)	76.4	689	125	294	9.0	1.6	3.8
Self / GP referral (>5 yrs)	15.4	240	29	94	15.6	1.9	6.1

Source : Form KC62

Table 8a Breast screening programme : women aged 50-64 screened and cancers detected by type of invitation, 2000-01

England

Type of invitation	Number of women screened (thousands)	Cancers detected					
		Number			Rate per 1,000 women screened		
		Total number of women with cancer	Non - invasive or micro - invasive	Small (<15mm)	Total	Non - invasive or micro - invasive	Small (<15mm)
Total	1,148.8	7,009	1,514	2,911	6.1	1.3	2.5
1st invitation	230.4	1,595	419	620	6.9	1.8	2.7
1st screen - previous non responder	36.9	343	62	114	9.3	1.7	3.1
Routine rescreen (within 5 yrs)	804.8	4,442	886	1,925	5.5	1.1	2.4
Routine rescreen (>5 yrs)	42.5	328	64	139	7.7	1.5	3.3
Early recall	3.2	92	35	32	28.4	10.8	9.9
Self / GP referral (no previous screen)	13.0	88	14	38	6.8	1.1	2.9
Self / GP referral (within 5 yrs)	16.4	107	30	37	6.5	1.8	2.3
Self / GP referral (>5 yrs)	1.6	14	4	6	8.9	2.5	3.8

Source : Form KC62

Table 9 Breast screening programme : women screened and cancers detected by age and region, 2000-01

Age	Regional Office area	Number of women screened (thousands)	Cancers detected					
			Number			Rate per 1,000 women screened		
			Total number of women with cancer	Non - invasive or micro - invasive	Small (<15mm)	Total	Non - invasive or micro - invasive	Small (<15mm)
45 & over	England	1,298.8	8,345	1,728	3,475	6.4	1.3	2.7
	Northern & Yorkshire	178.1	1,126	246	466	6.3	1.4	2.6
	Trent	138.3	935	210	375	6.8	1.5	2.7
	Eastern	146.3	990	207	408	6.8	1.4	2.8
	London	143.7	953	205	373	6.6	1.4	2.6
	South East	245.3	1,581	321	677	6.4	1.3	2.8
	South West	142.0	913	197	383	6.4	1.4	2.7
	West Midlands	136.2	793	137	336	5.8	1.0	2.5
	North West	168.8	1,054	205	457	6.2	1.2	2.7
50-64	England	1,148.8	7,009	1,514	2,911	6.1	1.3	2.5
	Northern & Yorkshire	155.9	941	205	396	6.0	1.3	2.5
	Trent	119.4	746	175	289	6.2	1.5	2.4
	Eastern	129.4	818	177	339	6.3	1.4	2.6
	London	129.2	811	187	320	6.3	1.4	2.5
	South East	214.5	1,321	287	563	6.2	1.3	2.6
	South West	124.9	747	171	302	6.0	1.4	2.4
	West Midlands	124.3	690	125	289	5.6	1.0	2.3
	North West	151.2	935	187	413	6.2	1.2	2.7

Source : Form KC62

Table 9a Breast screening programme : women screened and cancers detected by age, 2000-01

England

Age	Number of women screened (thousands)	Cancers detected					
		Number			Rate per 1,000 women screened		
		Total number of women with cancer	Non - invasive or micro - invasive	Small (<15mm)	Total	Non - invasive or micro - invasive	Small (<15mm)
Total	1,298.8	8,345	1,728	3,475	6.4	1.3	2.7
50-64	1,148.8	7,009	1,514	2,911	6.1	1.3	2.5
45-49	46.9	192	42	75	4.1	0.9	1.6
50-54	469.9	2,729	661	1,075	5.8	1.4	2.3
55-59	370.7	2,101	436	893	5.7	1.2	2.4
60-64	308.2	2,179	417	943	7.1	1.4	3.1
65-69	76.2	768	131	322	10.1	1.7	4.2
70 & over	26.9	376	41	167	14.0	1.5	6.2

Source : Form KC62

Table 10 Breast screening programme : women aged 45 and over, with cancer diagnosed, by size of cancer and age, 2000-01

England		numbers						
Size of cancer	All ages 45 & over	Target age group 50-64	Age					
			45-49	50-54	55-59	60-64	65-69	70 & over
All cancers	8,345	7,009	192	2,729	2,101	2,179	768	376
Invasive status not known	29	25	0	8	5	12	2	2
Non-invasive or possibly micro-invasive	1,609	1,409	40	626	397	386	121	39
Definitely micro-invasive	119	105	2	35	39	31	10	2
Invasive total	6,588	5,470	150	2,060	1,660	1,750	635	333
Small (less than 15mm) total	3,475	2,911	75	1,075	893	943	322	167
per 1,000 women screened	2.7	2.5	1.6	2.3	2.4	3.1	4.2	6.2
as a percentage of total invasive	53	53	50	52	54	54	51	50
Less than 10mm	1,615	1,347	33	505	411	431	146	89
Greater than or equal to 10mm and less than 15mm	1,860	1,564	42	570	482	512	176	78
Greater than or equal to 15mm and less than 20mm	1,373	1,134	32	420	357	357	137	70
Greater than or equal to 20mm and less than 50mm	1,564	1,291	36	515	373	403	160	77
Greater than or equal to 50mm	76	62	2	28	16	18	7	5
Size not known	100	72	5	22	21	29	9	14

Source : Form KC62

Table 10a Breast screening programme : women aged 50-64, with cancer diagnosed, by invitation type and size of cancer, 2000-01

England							numbers
Size of cancer	Invitation type						
	Target age group 50-64	1st invitation for routine screening	Routine invitation to previous non-attenders	Routine invitation to previous attenders Last screen within 5 years	Routine invitation to previous attenders Last screen more than 5 years previously	Early recalls	
All cancers	7,009	1,595	343	4,442	328	92	
Invasive status not known	25	4	1	19	0	0	
Non-invasive or possibly micro-invasive	1,409	405	60	808	60	33	
Definitely micro-invasive	105	14	2	78	4	2	
Invasive total	5,470	1,172	280	3,537	264	57	
Small (less than 15mm) total	2,911	620	114	1,925	139	32	
per 1,000 women screened	2.5	2.7	3.1	2.4	3.3	9.9	
as a percentage of total invasive	53	53	41	54	53	56	
Less than 10mm	1,347	293	62	865	63	16	
Greater than or equal to 10mm and less than 15mm	1,564	327	52	1,060	76	16	
Greater than or equal to 15mm and less than 20mm	1,134	229	68	726	64	15	
Greater than or equal to 20mm and less than 50mm	1,291	293	83	809	56	8	
Greater than or equal to 50mm	62	14	6	37	1	2	
Size not known	72	16	9	40	4	0	

Source : Form KC62

Table 11 Breast screening programme : coverage of the target age group (50-64) by health authority at 31 March, 1996-2001

Health Authority Code	Health Authority Name	Coverage (less than 3 yrs since last test) %						Eligible Population 2001 ⁽¹⁾
		1996	1997	1998	1999	2000	2001	
	England	65.4	65.6	66.4	67.7 ⁽³⁾	69.3	70.2	4,373,600
	Northern & Yorkshire	68.9	67.3	67.2	67.0	70.1	71.8	560,100
QDD	Bradford	58.8	59.3	65.4	66.1	69.6	68.6	37,600
QDE	County Durham	70.2	68.0	69.2	69.8	71.1	74.9	55,800
QDF	East Riding	69.2	69.4	63.9	53.3	59.2	72.0	51,600
QDG	Gateshead & South Tyneside	70.9	72.8	70.2	72.6	73.9	73.7	30,900
QDH	Leeds	63.6	59.6	62.3	63.5	66.2	67.3	58,400
QDJ	Newcastle & North Tyneside	73.3	70.4	68.2	71.8	74.2	74.5	37,500
QDK	North Cumbria	71.4	64.8	61.1	55.8	56.5	61.6	30,600
QDM	Northumberland	77.0	79.3	74.8	74.6	81.2	79.6	31,100
QDN	Sunderland	67.9	69.9	74.1	73.1	74.4	74.4	25,100
QDP	Tees	69.1	67.2	66.2	68.7	72.8	72.7	48,100
QDQ	Wakefield	66.5	68.9	68.0	68.7	70.6	72.4	28,700
QDR	North Yorkshire	74.3	71.7	70.8	69.1	75.3	75.7	73,400
QDT	Calderdale & Kirklees	64.6	59.6	63.8	69.0	68.5	65.7	51,200
	Trent	70.2	70.8	69.5	69.9 ⁽³⁾	71.4	74.2	462,400
QCG	Barnsley	78.3	76.4	75.9	75.6	75.1	76.4	20,200
QCH	North Derbyshire ⁽²⁾	62.3	62.3	56.2	60.9	62.4	71.2	36,600
QCJ	South Derbyshire	71.5	75.2	75.0	74.5 ⁽³⁾	76.4	78.4	49,400
QCK	Doncaster	70.5	66.1	68.3	71.1	75.5	77.3	26,000
QCL	Leicestershire	67.8	70.3	70.4	67.7	70.8	74.3	80,200
QCM	Lincolnshire	75.4	69.9	65.9	68.7	73.8	74.7	65,500
QCN	North Nottinghamshire	66.4	79.8	77.3	77.4	75.5	81.4	37,900
QCP	Nottingham	68.6	69.7	70.1	69.9	72.7	72.6	52,100
QCQ	Rotherham	70.7	63.8	66.0	73.9	75.3	74.3	23,200
QCR	Sheffield	72.8	73.7	74.1	73.8	73.7	72.4	42,600
QDL	South Humber	69.6	67.4	63.8	56.8	49.4	60.4	28,800
	Eastern	65.6	65.8	68.9	70.3	70.3	71.7	492,100
QA6	Bedfordshire	65.7	59.7	63.3	70.2	67.6	70.6	47,400
QAX	North Essex	68.6	66.3	70.4	72.6	72.2	72.4	85,600
QAY	South Essex	65.4	64.0	65.7	67.1	65.7	67.2	65,400
QCF	Suffolk	69.0	74.9	72.6	70.6	75.5	74.0	63,200
QEP	East & North Hertfordshire	63.1	64.2	66.2	65.1	70.6	71.6	44,400
QEQ	West Hertfordshire	56.2	59.1	69.3	65.6	65.0	68.1	45,500
QER	Cambridge ⁽⁴⁾	-	-	-	-	70.9	73.0	61,600
QET	Norfolk ⁽⁴⁾	-	-	-	-	72.3	74.5	79,100
QCA	East Norfolk ⁽⁴⁾	65.3	65.4	70.5	73.3	-	-	-
QCD	North West Anglia ⁽⁵⁾	68.2	69.6	74.6	71.7	-	-	-
QA9	Cambridge & Huntingdon ⁽⁵⁾	67.9	68.4	66.0	75.8	-	-	-
	London	50.6	53.3	56.0	57.2	58.2	57.8	550,600
QA2	Hillingdon	55.6	56.1	61.2	61.6	62.9	64.1	19,700
QA3	Kensington Chelsea & Westminster	32.7	36.6	39.3	41.5	41.8	42.8	26,200
QA4	Enfield & Haringey	53.5	57.3	59.3	56.1	57.8	50.5	39,800
QA5	Redbridge & Waltham Forest	57.1	61.8	60.9	61.6	63.3	63.4	36,000
QAA	Bexley & Greenwich	54.3	57.1	62.2	64.7	62.2	68.5	35,800
QAC	Bromley	66.7	64.7	65.5	65.8	68.3	69.3	27,500
QAD	Croydon	51.1	60.0	59.9	61.5	63.8	62.1	27,500
QAG	Kingston & Richmond	59.0	56.9	59.8	62.8	61.3	58.6	26,500
QAH	Lambeth Southwark & Lewisham	46.5	46.1	49.9	55.5	55.3	54.5	49,400
QAJ	Merton Sutton & Wandsworth	47.7	52.1	58.7	57.6	59.4	59.2	47,000
QAP	Barking & Havering	64.3	66.7	68.0	68.5	69.8	68.9	32,600
QAA	Barnet	42.8	56.2	55.8	56.2	58.8	57.1	26,600
QAR	Brent & Harrow	53.3	57.7	58.1	58.3	58.2	56.9	39,900
QAT	Camden & Islington	42.4	41.1	40.6	43.5	45.7	47.3	26,600
QAV	Ealing Hammersmith & Hounslow	44.0	44.1	51.6	53.7	55.5	56.0	51,000
QAW	East London & The City	47.7	47.2	48.4	48.8	50.2	49.6	38,500

continued

Table 11 cont. Breast screening programme : coverage of the target age group (50-64) by health authority at 31 March, 1996-2001

Health Authority Code	Health Authority Name	Coverage (less than 3 yrs since last test) %						Eligible Population 2001 ⁽¹⁾
		1996	1997	1998	1999	2000	2001	
	England	65.4	65.6	66.4	67.7	69.3	70.2	4,373,600
	South East	67.8	67.3	69.2	70.8	71.4	71.2	780,600
QA7	Berkshire	71.8	70.7	71.2	71.4	70.5	73.5	65,800
QA8	Buckinghamshire	78.4	77.3	77.3	77.2	76.9	76.5	61,500
QAE	East Kent	66.6	67.1	65.8	68.7	69.1	71.1	56,000
QAF	West Kent	65.4	64.7	70.4	68.8	66.5	67.5	90,900
QAK	East Surrey	62.2	63.5	64.5	68.0	67.0	66.6	40,500
QAL	West Surrey	64.7	60.5	63.5	69.3	70.9	69.9	57,800
QAM	East Sussex Brighton & Hove	69.5	70.1	71.4	72.5	72.6	72.8	67,600
QAN	West Sussex	58.6	62.1	66.8	70.0	71.1	68.4	71,700
QCC	Northamptonshire	75.5	75.0	73.6	74.2	75.0	74.3	56,000
QCE	Oxfordshire	67.6	66.8	66.1	68.1	73.7	68.6	52,400
QD1	North & Mid Hampshire	66.0	63.4	66.0	69.0	71.5	71.5	49,700
QD2	Portsmouth & South East Hampshire	68.2	66.8	68.3	70.6	71.8	72.5	48,300
QD3	Southampton & South West Hampshire	69.8	66.0	70.1	71.4	72.5	72.1	48,600
QD4	Isle of Wight	67.9	70.2	73.9	75.6	75.9	76.1	13,900
	South West	68.3	67.2	65.7	68.4	73.1	73.9	470,800
QD5	Somerset	70.8	66.0	70.1	72.4	75.6	75.1	48,900
QD6	South & West Devon	58.9	63.2	58.3	66.2	74.1	73.8	57,700
QD7	Wiltshire	66.6	71.5	69.8	70.8	71.6	73.5	54,800
QD8	Avon	71.4	67.2	65.2	68.8	71.1	72.3	86,200
QDV	Cornwall & Isles of Scilly	70.1	68.2	63.8	64.2	71.7	74.7	53,300
QDW	Dorset	69.1	70.3	69.6	71.6	73.5	74.1	68,200
QDX	North & East Devon	69.0	61.8	60.7	62.8	74.4	74.7	49,200
QDY	Gloucestershire	70.6	68.5	67.3	70.0	73.9	74.1	52,500
	West Midlands	66.0	67.9	69.1	70.3	72.0	73.9	475,000
QD9	Birmingham	60.6	60.5	63.1	64.1	65.4	65.1	73,700
QEA	Coventry	61.9	70.3	71.4	72.3	72.2	72.7	23,900
QEC	Dudley	58.5	65.0	68.9	67.6	70.5	71.8	29,000
QED	Herefordshire	76.4	76.7	72.5	74.0	73.6	74.9	17,100
QEE	Sandwell	65.6	66.6	65.0	67.9	68.5	69.0	23,400
QEF	Shropshire	72.1	70.7	68.5	71.7	75.2	74.7	42,500
QEG	Solihull	66.3	67.3	67.0	69.8	72.6	73.2	20,200
QEH	North Staffordshire	63.7	66.8	68.0	69.3	70.8	71.1	41,700
QEJ	South Staffordshire	69.6	69.9	71.3	74.1	76.6	77.4	57,900
QEK	Walsall	67.5	71.3	71.1	71.1	70.7	70.8	22,800
QEL	Warwickshire	66.4	65.4	72.1	73.4	74.8	74.9	49,800
QEM	Wolverhampton	59.4	65.6	63.8	64.3	67.4	67.6	19,600
QEN	Worcestershire	72.9	76.0	75.5	74.9	76.2	76.7	53,300
	North West	66.7	66.7	66.2	67.4	68.7	70.0	582,000
QC1	South Lancashire	68.9	64.9	69.6	67.8	70.4	72.9	30,800
QC2	Liverpool	58.3	61.5	63.0	59.9	66.3	68.4	35,500
QC3	Manchester	60.7	59.8	58.3	59.1	58.7	58.0	27,400
QC4	Morecambe Bay	67.5	63.1	61.3	64.3	59.3	72.1	29,300
QC5	St Helen's & Knowsley	61.5	63.6	66.8	67.1	67.7	69.2	29,100
QC6	Salford & Trafford	69.7	67.3	66.9	64.6	67.7	68.7	37,200
QC7	Sefton	65.3	64.5	61.8	61.0	68.7	71.3	26,800
QC8	Stockport	71.9	71.4	67.9	69.5	71.9	70.8	26,800
QC9	West Pennine	72.3	65.6	68.5	70.1	69.7	67.9	41,300
QCT	Bury & Rochdale	55.8	63.1	63.5	67.4	66.6	64.5	34,300
QCV	North Cheshire	61.4	65.2	67.1	68.6	68.4	72.0	30,500
QCW	South Cheshire	74.2	71.8	73.7	74.3	75.3	75.7	63,800
QCX	East Lancashire	64.6	67.8	65.4	66.0	67.7	68.7	44,500
QCY	North West Lancashire	67.4	69.8	65.8	68.6	70.7	70.0	42,500
QDA	Wigan & Bolton	70.2	69.0	63.1	69.3	69.0	70.5	52,200
QDC	Wirral	69.9	70.9	70.0	72.0	73.2	73.8	30,000

Note: Health Authority boundaries changed between 1996 and 1997 therefore comparisons between 1997 and earlier years may not be exact

Source : Form KC63

(1) Resident population less those women recorded as ineligible (rounded to the nearest hundred)

(2) 1996 data used for March 1997 entry

(3) Revised Data

(4) Cambridge (QER) replaces Cambridge & Huntingdon (QA9) and part of North West Anglia (QCD)

(5) Norfolk (QET) replaces East Norfolk (QCA) and part of North West Anglia (QCD)

Table 12 Breast screening programme : estimated uptake by women aged 50-64 of invitations to screen, by unit, 1995-96 to 2000-01

(1)

Unit	percentages						Change 1999-2000 to 2000-01 ⁽²⁾
	1995-96	1996-97	1997-98	1998-99	1999-2000 ⁽³⁾	2000-01	
England	76	76	75	76	76	75	-1
Northern & Yorkshire							
Cumbria	83	83	83	81	81	81	0
Gateshead	80	77	78	79	78	79	+1
Humberside	77	78	75	79	76	78	+2
Leeds	71	73	76	73	74	76	+2
Newcastle	80	84	82	80	83	80	-3
North Tees	80	76	78	81	81	79	-2
North Yorkshire	80	82	81	82	81	80	-1
Pennine	73	72	78	73	73	78	+5
Trent							
Barnsley	82	82	82	82	81	82	+1
Boston (South Lincolnshire)	82	80	81	82	78	80	+2
Derby City & South Derbyshire	83	83	84	84	83	83	0
Doncaster	82	84	82	81	82	81	-1
Leicestershire	80	82	81	81	85	81	-3
North Derbyshire (Chesterfield)	79	79	80	81	81	80	-1
North Lincolnshire	83	82	82	80	80	81	+1
North Nottinghamshire	79	80	81	81	80	80	0
Nottingham City	80	78	81	83	81	81	0
Rotherham	82	81	81	83	79	79	0
Sheffield	79	81	81	78	80	79	-1
Eastern							
Cambridge & Huntingdon	83	81	78	77	77	78	+2
Chelmsford & Colchester	83	79	81	81	79	80	+1
Epping	70	71	72	72	74	73	-1
James Paget	82	83	76	78	78	78	0
Kings Lynn	84	86	79	79	79	79	0
Beds & Herts	77	76	75	78	77	75	-2
Norfolk & Norwich	88	88	80	82	81	80	-1
Peterborough	87	86	78	81	80	78	-2
South Essex	74	71	69	68	69	66	-4
East Suffolk	88	86	80	81	81	80	-1
West Suffolk	84	84	80	80	79	79	0
London							
Barking, Havering & Brentwood	77	72	75	76	71	76	+4
Central & East London	50	50	47	49	50	46	-4
North Middlesex	58	58	62	60	61	63	+1
North of London (Edgware)	63	62	66	65	63	65	+2
South East London	65	63	65	65	64	67	+3
Wandsworth	69	63	68	71	66	68	+2
West of London (Charing Cross)	54	56	55	56	58	55	-4
Whipps Cross	73	73	70	73	73	67	-6

(1) First invitations, routine invitations and early recall invitations

continued

(2) All percentages are shown rounded to the nearest whole number; the difference between 1999-2000 and 2000-01 uptake is calculated using the exact percentages for those years and then rounded

(3) Data amended February 2002

(1)

Table 12 cont. Breast screening programme : estimated uptake by women aged 50-64 of invitations to screen, by unit, 1995-96 to 2000-01

England							percentages
Unit	1995-96	1996-97	1997-98	1998-99	1999-2000 ⁽³⁾	2000-01	Change ⁽²⁾ 1999-2000 to 2000-01
England	76	76	75	76	76	75	-1
South East							
Aylesbury	79	78	80	82	79	81	+2
Basingstoke	79	77	82	78	77	79	+2
Canterbury & Kent	81	79	78	78	77	75	-2
East Berkshire	78	75	79	79	74	75	+1
East Sussex (Brighton)	78	80	79	77	77	79	+1
Guildford	76	72	76	78	73	72	0
Isle of Wight	81	82	82	82	81	83	+2
Kettering	80	80	79	81	81	78	-2
Milton Keynes	76	81	77	82	74	78	+5
Northampton	77	78	77	79	78	78	-1
Oxford	78	79	79	80	79	77	-3
Portsmouth	75	79	79	76	78	79	+1
Southampton (Salisbury)	79	78	81	79	79	81	+1
West Berkshire	80	79	82	80	78	80	+2
Winchester	88	85	77	79	79	79	0
Worthing	74	73	76	78	78	78	0
Wycombe	82	82	83	80	82	81	-1
South West							
Avon	79	79	76	79	77	78	0
Cornwall	80	78	79	78	78	78	-1
Dorset	78	78	79	80	78	78	+1
East Devon	80	78	77	79	79	75	-4
Gloucester	78	76	77	80	78	78	0
Somerset	79	83	82	81	82	81	-1
Swindon & Bath	80	80	79	80	79	78	0
West Devon	77	77	79	80	77	79	+2
West Midlands							
City Hospital (Birmingham)	63	69	66	68	69	69	0
Dudley & Wolverhampton	72	69	73	75	72	75	+3
Hereford & Worcester County	89	81	83	82	82	83	+1
Mid Staffordshire	87	88	82	81	84	81	-2
North Staffordshire	76	75	76	76	78	76	-2
Shropshire	81	78	78	82	80	81	+1
South Birmingham	70	76	69	71	73	66	-7
South East Staffordshire	83	83	79	81	80	80	0
Walsall & Sandwell	76	74	69	76	74	70	-4
Warwickshire, Solihull & Coventry	77	77	78	78	78	78	+1
North West							
Bolton, Bury & Rochdale	77	75	75	76	75	77	+2
Chester	82	82	79	81	82	88	+5
Crewe	84	83	84	83	81	83	+2
East Lancashire	82	79	74	75	75	73	-2
Greater Manchester	75	73	71	75	73	69	-4
Liverpool	64	73	71	71	73	73	0
Macclesfield	80	80	78	80	79	77	-2
North Lancashire	87	85	77	76	77	78	+1
Warrington, Halton & St Helens	77	74	77	77	75	76	+1
Wigan	87	85	78	79	77	77	+1
Wirral	80	75	76	82	76	77	+2

(1) First invitations, routine invitations and early recall invitations

Source : Form KC62

(2) All percentages are shown rounded to the nearest whole number; the difference between 1999-2000 and 2000-01 uptake is calculated using the exact percentages for those years and then rounded

(3) Data amended February 2002

Table 13 Breast screening programme : estimated uptake of invitations to screen by women aged 50-64 by type of invitation and unit, 2000-01

percentages

Unit	Invitation type					Invitation type grouping		
	First invitation for screening	Routine invitation (previous non-attender)	Routine invitation (within 5 yrs)	Routine invitation (more than 5 yrs)	Early Recall Invitations	First & routine invitation (within 5 yrs)	First & all routine invitations	First, routine and early recall invitations ⁽¹⁾
England	72.6	21.1	88.9	51.5	97.3	84.6	75.3	75.3
Northern & Yorkshire	78.2	19.5	90.5	49.1	96.6	87.3	78.6	78.7
Cumbria	80.8	18.4	90.0	65.7	100.0	87.1	80.9	80.9
Gateshead	80.1	15.8	89.5	48.8	100.0	86.8	78.8	78.8
Humberside	77.6	21.7	90.2	53.4	100.0	86.5	78.4	78.4
Leeds	73.7	21.6	89.8	46.5	100.0	85.8	75.8	75.9
Newcastle	79.3	14.8	91.3	45.8	94.1	88.8	80.1	80.1
North Tees	80.0	17.7	91.6	46.9	86.4	88.4	79.1	79.1
North Yorkshire	76.6	21.8	91.6	48.3	97.4	88.3	80.0	80.1
Pennine	79.2	21.2	90.2	45.0	97.6	87.3	78.1	78.1
Trent	78.7	21.4	91.4	47.4	98.4	88.4	81.0	81.0
Barnsley	80.9	16.5	92.1	45.9	100.0	89.6	81.9	81.9
Boston (South Lincolnshire)	73.6	21.6	91.3	48.2	100.0	86.8	80.4	80.4
Derby City & South Derbyshire	80.3	19.4	92.6	56.3	100.0	89.8	83.1	83.1
Doncaster	75.3	18.7	91.5	41.5	-	87.2	81.0	81.0
Leicestershire	81.6	23.7	92.4	52.3	100.0	89.8	81.4	81.4
North Derbyshire (Chesterfield)	78.3	19.4	91.1	49.0	100.0	87.8	80.0	80.0
North Lincolnshire	78.6	29.0	90.7	46.9	92.3	87.5	81.4	81.4
North Nottinghamshire	79.1	28.4	85.5	48.5	83.3	83.9	80.3	80.3
Nottingham City	79.5	20.7	91.5	43.0	100.0	88.7	81.1	81.1
Rotherham	76.9	19.7	92.2	39.6	-	89.1	79.5	79.5
Sheffield	76.9	19.6	90.5	41.1	100.0	87.2	79.0	79.1
Eastern	74.0	23.4	88.6	58.5	98.1	84.5	75.7	75.7
Beds & Herts	72.0	23.4	88.4	51.1	100.0	84.0	74.7	74.7
Cambridge & Huntingdon	75.8	28.5	89.1	66.5	100.0	85.5	78.4	78.5
Chelmsford & Colchester	77.1	23.9	90.3	52.0	98.2	87.0	79.7	79.7
East Suffolk	51.4	14.0	91.5	57.9	94.9	90.1	79.9	80.0
Epping	69.6	23.0	87.2	54.4	95.9	82.0	73.0	73.1
James Paget	78.7	31.8	89.1	72.2	93.1	84.6	78.2	78.3
Kings Lynn	78.7	29.0	89.5	75.9	100.0	84.6	79.0	79.1
Norfolk & Norwich	78.5	25.8	91.0	76.3	92.9	87.1	80.2	80.2
Peterborough	79.6	23.7	90.3	67.3	100.0	85.4	77.5	77.6
South Essex	62.6	20.6	82.8	41.3	100.0	78.1	65.7	65.9
West Suffolk	76.9	19.4	90.6	64.4	100.0	86.3	79.3	79.3
London	57.7	18.4	82.8	44.5	97.1	74.9	62.2	62.3
Barking, Havering & Brentwood	72.1	20.2	88.5	52.1	100.0	84.5	75.5	75.5
Central & East London	41.5	12.7	74.0	30.9	96.9	61.4	45.7	45.7
North Middlesex	60.3	18.3	80.8	49.7	66.7	73.8	62.8	62.8
North of London (Edgware)	60.8	19.0	83.6	51.5	100.0	76.5	65.4	65.4
South East London	61.9	18.5	86.4	39.9	100.0	79.5	67.3	67.3
Wandsworth	62.4	25.0	86.6	51.3	96.8	79.2	68.1	68.3
West of London (Charing Cross)	51.8	17.8	75.7	44.3	97.7	67.7	54.4	54.5
Whipps Cross	64.6	18.4	86.0	46.3	100.0	78.5	66.8	66.8

continued

Table 13 cont. Breast screening programme : estimated uptake of invitations to screen by women aged 50-64 by type of invitation and unit, 2000-01

percentages

Unit	Invitation type					Invitation type grouping		
	First invitation for screening	Routine invitation (previous non-attender)	Routine invitation (within 5 yrs)	Routine invitation (more than 5 yrs)	Early Recall Invitations	First & routine invitation (within 5 years)	First & all routine invitations	First, routine and early recall invitations ⁽¹⁾
England	72.6	21.1	88.9	51.5	97.3	84.6	75.3	75.3
South East	73.3	24.7	89.2	50.7	96.1	85.3	77.2	77.2
Aylesbury	78.2	17.1	89.8	32.4	100.0	88.1	80.6	80.7
Basingstoke	76.7	26.0	89.4	47.4	100.0	86.5	79.0	79.0
Canterbury & Kent	71.6	23.0	88.7	42.3	99.3	84.0	75.4	75.5
East Berkshire	71.1	22.2	87.1	50.9	98.2	83.1	74.5	74.6
East Sussex (Brighton)	73.6	22.3	90.4	55.6	98.4	86.2	78.4	78.5
Guildford	64.7	27.6	86.5	56.0	91.8	81.5	72.4	72.5
Isle of Wight	80.5	21.6	92.3	68.4	100.0	89.5	82.5	82.5
Kettering	77.1	17.1	89.3	40.2	100.0	86.6	78.2	78.3
Milton Keynes	76.4	17.8	88.2	37.8	100.0	85.7	78.4	78.4
Northampton	76.4	16.9	88.8	28.0	100.0	86.1	77.8	77.8
Oxford	72.6	22.5	88.2	59.0	100.0	84.3	76.8	76.9
Portsmouth	75.4	26.5	90.7	53.8	100.0	87.0	78.9	78.9
Southampton (Salisbury)	77.1	29.9	91.0	51.4	90.7	87.7	80.8	80.8
West Berkshire	75.8	21.8	90.3	49.9	100.0	86.9	80.0	80.1
Winchester	76.2	26.7	89.9	60.7	92.3	86.2	78.8	78.8
Worthing	75.6	32.5	90.8	56.4	89.5	86.2	78.1	78.2
Wycombe	77.9	21.5	89.5	28.1	100.0	87.5	80.6	80.6
South West	76.6	23.4	89.6	59.9	96.2	86.4	78.1	78.2
Avon	76.2	25.1	90.3	52.6	91.1	86.8	77.9	77.9
Cornwall	77.5	24.5	88.4	52.4	97.6	86.1	77.5	77.5
Dorset	75.5	21.9	89.6	65.1	89.7	86.1	78.3	78.3
East Devon	71.9	24.9	86.1	67.0	99.2	82.3	74.9	75.1
Gloucester	77.0	20.3	89.7	59.2	97.2	86.6	77.8	77.9
Somerset	78.4	26.2	92.0	60.2	94.4	88.7	81.1	81.1
Swindon & Bath	76.2	22.6	89.4	61.7	96.3	86.0	78.4	78.4
West Devon	79.2	21.4	89.9	59.9	100.0	87.6	78.9	78.9
West Midlands	73.0	20.3	89.8	50.3	100.0	85.8	76.5	76.5
City Hospital (Birmingham)	64.3	21.2	86.6	51.2	100.0	80.6	68.7	68.7
Dudley & Wolverhampton	73.6	17.5	89.7	50.2	100.0	85.9	74.5	74.5
Hereford & Worcester County	81.5	21.8	93.2	54.3	100.0	90.6	83.4	83.5
Mid Staffordshire	61.8	25.9	92.9	59.8	100.0	84.3	81.5	81.5
North Staffordshire	74.9	20.3	90.2	50.6	100.0	86.4	76.1	76.1
Shropshire	78.8	19.8	91.2	51.7	100.0	88.6	80.6	80.6
South Birmingham	64.6	19.5	82.9	46.2	100.0	77.4	65.7	65.8
South East Staffordshire	78.6	22.4	90.7	59.2	100.0	87.8	80.2	80.2
Walsall & Sandwell	67.9	18.5	85.4	41.8	100.0	81.0	69.9	70.0
Warwickshire, Solihull & Coventry	77.0	21.1	90.1	47.1	100.0	87.2	78.1	78.2
North West	73.6	19.5	88.7	50.1	99.0	84.9	74.8	74.9
Bolton, Bury & Rochdale	75.7	20.5	90.0	47.4	100.0	86.2	76.8	76.9
Chester	88.0	33.3	93.2	57.4	100.0	92.0	87.8	87.9
Crewe	81.2	20.0	92.1	46.8	100.0	89.5	82.8	82.9
East Lancashire	71.6	24.9	86.0	55.2	94.4	82.0	72.6	72.6
Greater Manchester	66.2	17.5	85.6	42.3	100.0	80.5	68.6	68.6
Liverpool	72.0	19.0	88.8	45.0	100.0	85.0	72.9	73.0
Macclesfield	69.9	19.0	88.7	45.7	100.0	85.0	76.6	76.7
North Lancashire	77.3	19.3	89.9	62.3	-	86.5	77.6	77.6
Warrington, Halton & St Helens	74.9	19.1	89.3	51.4	95.8	86.0	76.1	76.2
Wigan	76.4	20.0	89.2	57.4	93.3	85.8	77.5	77.5
Wirral	77.6	16.8	90.8	42.2	100.0	88.0	77.0	77.2

⁽¹⁾ This is the grouping used in Table 3

Source : Form KC62