

Breast Screening Programme, England: 1998-99

This bulletin summarises information from the computerised call and recall system for breast cancer screening and from breast screening units in England in 1998-99, including some information about earlier years.

KEY FACTS

At 31 March 1999:

- 67.6% of women aged 50-64 resident in England had been screened at least once in the previous 3 years (66.4% at 31 March 1998); for women aged 55-64, coverage improved from 73.1% to 74.1%.
- In 86 of the 100 Health Authorities the coverage was 60% or higher; coverage was less than 50% in only 3 Health Authorities (4 Health Authorities at 31 March 1998).

In 1998-99:

- 76% of women aged 50-64 invited for screening were screened.
- 1.2 million women of all ages were screened within the programme.
- 7,561 cases of cancer were diagnosed in women screened.

Contents	Page
Introduction	2
Analysis and Commentary	2
Definitions	5
Editorial notes	5
Index to tables	7
Reference Tables	8

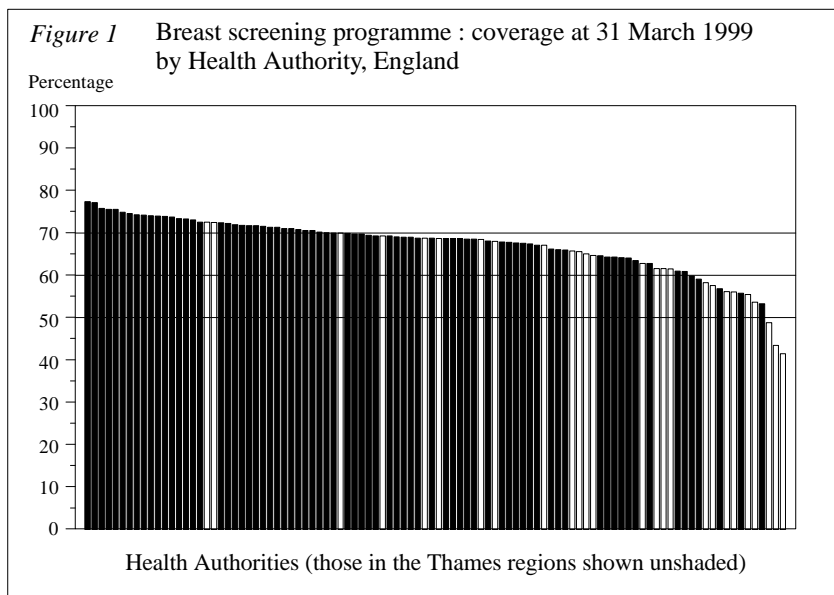
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1 INTRODUCTION

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 fifth 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 100 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 66.4% at 31 March 1998 to 67.6% at 31 March 1999; this is the 4th successive year-on-year increase in coverage. The number of Health

Authorities whose overall coverage was below 50% fell from 4 in 1998 to 3 in 1999. Uptake during 1998-99 was 76.2%, slightly higher than the 75.4% recorded in 1997-98 and substantially higher than the 72% or so recorded in 1991-92 to 1993-94 (Table A).

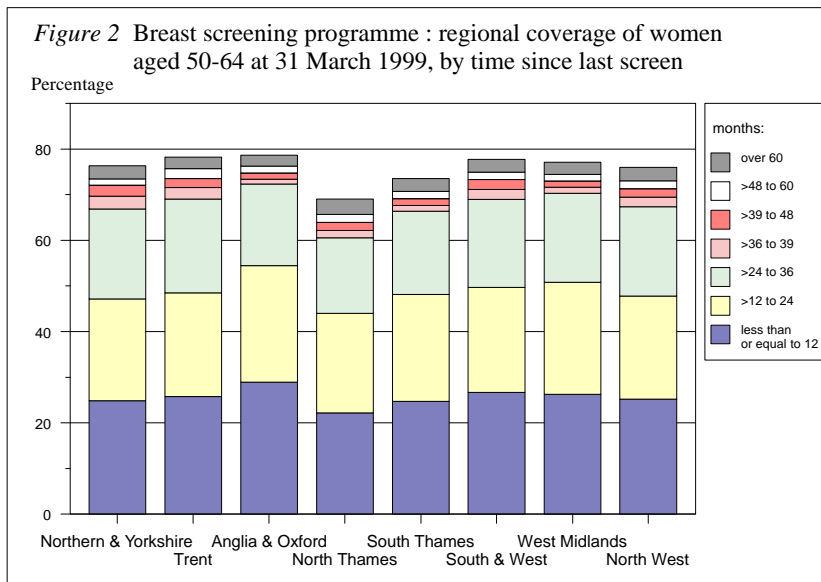
2.2 Coverage (Tables 1, 2 & 11)

2.2.1 The reported coverage by the screening programme at 31 March 1999 of women aged 50-64 was 67.6%. Coverage among women aged 55-64 was about 74.1%, up from 73.1% in 1998, and the relatively low figure (58%) 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 1991-92 to 1998-99

England	percentages	
	Coverage at end of year	Uptake during the year
1991-92	..	71.6
1992-93	..	71.8
1993-94	..	72.1
1994-95	63.9	77.4
1995-96	65.4	76.2
1996-97	65.6	75.5
1997-98	66.4	75.4
1998-99	67.6	76.2

.. Data not available



screen, 2% within 3-3¼ years and 10% more than 3¼ years; only 14% 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)

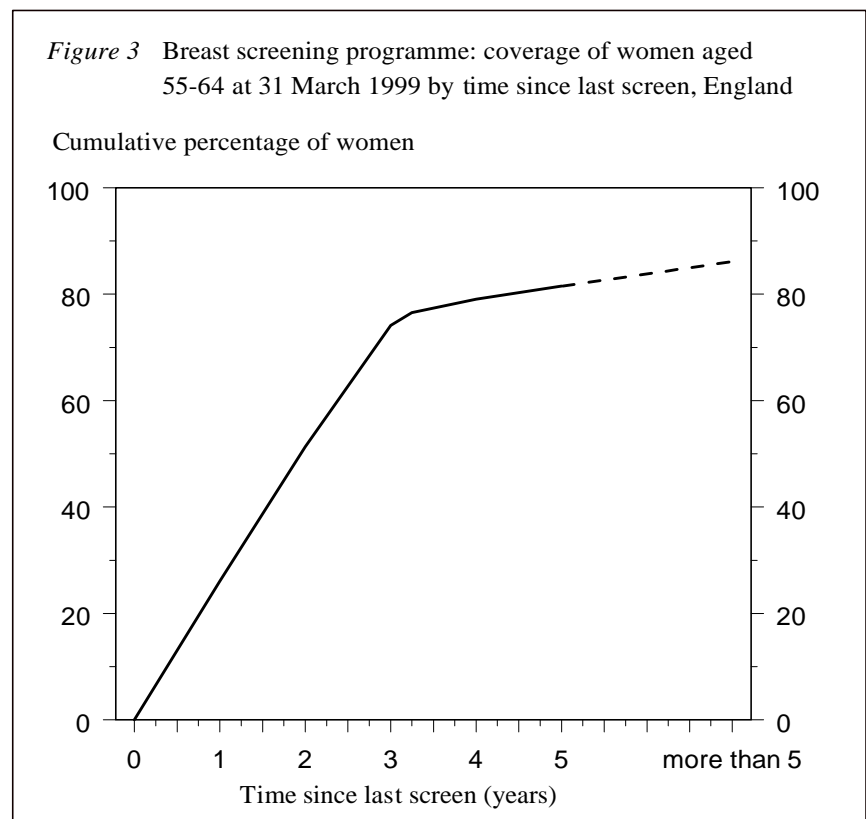
2.3.1 About 1.4 million women in the target age group were invited for screening in 1998-99. For about 24% this was their first ever invitation; for about 12% it was a second or subsequent invitation to women who had not previously attended for screening and for about 64% it was a routine recall. About 0.33% of invitations were early recalls: women whose screening outcome indicated that monitoring at less than the routine 3-year

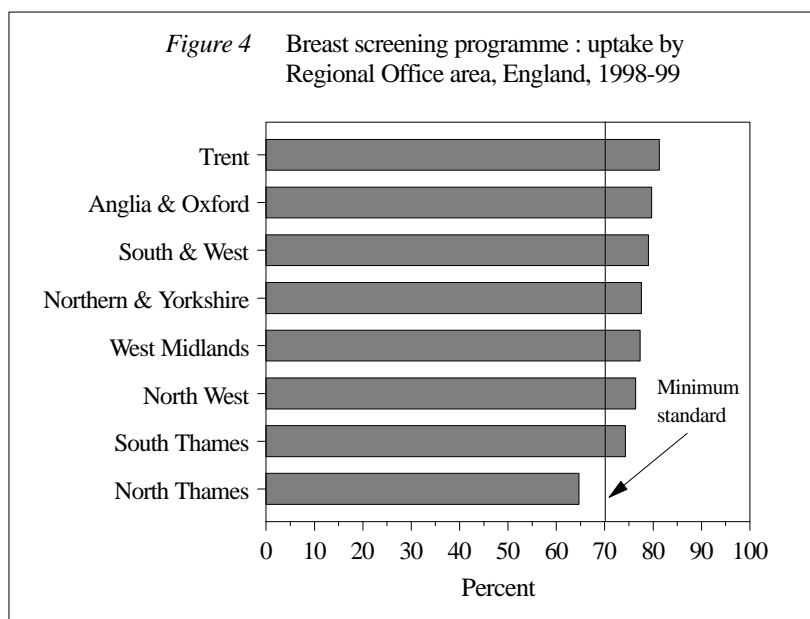
2.2.2 Coverage of the target age group 50-64 varied considerably between Regional Office (RO) areas, from 61% in North Thames to almost 72% in Anglia and Oxford. At HA level, over one third of authorities reported coverage higher than 70% and just under half reported coverage between 60% and 70%. In only 3 of the 100 HAs was coverage below 50%; all three were in the North Thames region (Figure 1).

women, about a quarter had had at least one screening test since age 50; these account for a further 7% of the eligible population. As with coverage generally, there were marked differences between regions (Figure 2).

2.2.4 Among women aged 55-64, about 74% were within 3 years of their latest

2.2.3 The coverage figures described above include only those women who were within 3 years of their latest screening test. Figures available for the first time show that in addition to the 68% of women within 3 years of their latest test at 31 March 1999, a further 2% had their latest screen between 3 and 3¼ years previously, possibly as a result of unavoidable delays in securing a screening appointment or of local slippage in sending out screening invitations. Even among the remaining





screening interval was desirable.

2.3.2 Overall, 76.2% of target age group women invited in 1998-99 were screened. Regionally, the percentage uptake ranged from under 70% in the North Thames RO to over 80% in Trent RO (Figure 4). Of the 84 screening units, 34 recorded uptake rates of 80% or over and a further 43 recorded rates between 70% and 80%.

2.3.3 Uptake rates varied considerably according to the type of invitation. About 74% of women receiving their first invitation in 1998-99 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 23% responded and were screened.

2.4 Outcome of screening (Tables 6 & 7)

2.4.1 Almost 1.2 million women were screened in 1998-99. The vast majority were women in the target age group screened following an invitation. In addition, some 97,000 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 7% 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 8.0% of women in the prevalent round were referred for assessment, compared with only 3.8% of women in the incident round. For women in the prevalent round who were referred, almost 1 in 3 were referred for cytology and/or core biopsy and nearly 1 in 20 were referred for open biopsy; early recall was recommended for about 1 in 12 women referred for assessment. For women referred from the incident round, about 1 in 4 were

Table B

Breast screening programme : cancer detection rate by age and type of invitation, 1998-99

Type of invitation	England						
	All ages 45 and over	45-49	50-54	55-59	60-64	65-69	70+
Total	6	4	5	6	7	10	15
1st invitation for routine screening	6	5	6	11	10	(8)	(38)
Routine invitation to previous non-attenders	9	.	8	8	13	(21)	(0)
Routine invitation to previous attenders (Last screen within 5 years)	5	.	4	5	6	10	(0)
Routine invitation to previous attenders (Last screen more than 5 years previously)	7	.	3	6	9	8	(0)
Early recalls	32	.	21	(35)	(52)	(40)	(54)
Self / GP referral (no previous screen)	12	(5)	7	10	10	8	22
Self / GP referral (within 5 yrs)	8	.	7	6	7	9	8
Self / GP referral (> 5 yrs)	13	.	(26)	(8)	(12)	11	15

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

Source : Form KC62

. not applicable (see Table 5)

referred for cytology and/or core biopsy and about 1 in 20 were referred for open biopsy; early recall was recommended for about 1 in 20 women referred for assessment. Of women screened following a previous recommendation for early recall and referred for assessment, almost 8% were again recommended for early recall.

2.5 Cancers detected (Tables 8, 9 & 10)

2.5.1 A total of 7,561 cancers (including invasive and in situ) were detected by the screening programme in 1998-99, a rate of 6.1 per 1,000 women screened. The rate was higher than in previous years, due to continued quality improvements in the screening programme. 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 lowest (4.2 per 1,000) for women aged 45-49 and was higher for older age groups, reaching 6.8 per 1,000 for women aged 60-64. The rate for women aged 65 or over was much higher (10.9 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. Detection rates for women who self-referred or were referred by their GPs were similar to those for women in the prevalent round (women not previously screened, whether after their first ever invitation or after having not attended in response to an earlier invitation). For women aged under 65, detection rates in the incident round (women having their second or subsequent routine screen) were generally lower than rates for the other groups of women. For women aged 65-69, rates were broadly similar for all groups where the number of cases was sufficiently large for analysis, (Table B).

2.5.3 Of the cancers detected 1,526 (20%) were non-invasive or micro-invasive and a further 3,185 (42%) were small ie less than 15mm. The distribution of cancers by size was much the same for each age group.

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

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INDEX TO TABLES

Table number	Description	Page number
Table 1	Test status of women and coverage by age, 31 March 1999	8
Table 2	Test status and coverage of target age group (50-64) by region, 31 March 1999	8
Table 2a	Women screened by age, region and time since last screen, 1998-99	9
Table 3	Estimated uptake of invitations to screen by women aged 50-64 by region, 1991-92 to 1998-99	10
Table 3a	Estimated uptake of invitations to screen by women aged 50-64 by type of invitation and region, 1991-92 to 1998-99	10
Table 4	Number of women screened and estimated uptake of invitations to screen by age and type of invitation, 1998-99	11
Table 5	Number of women screened by age and type of invitation, 1998-99	11
Table 6	Women aged 45 and over screened by type of invitation and outcome, 1998-99	12
Table 6a	Women aged 50-64 screened by type of invitation and outcome, 1998-99	12
Table 7	Women screened by age, region and outcome, 1998-99	13
Table 7a	Women screened by age and outcome, 1998-99	13
Table 8	Women aged 45 and over screened and cancers detected by invitation, 1998-99	14
Table 8a	Women aged 50-64 screened and cancers detected by invitation, 1998-99	14
Table 9	Women screened and cancers detected by region, 1998-99	15
Table 9a	Women screened and cancers detected by age, 1998-99	15
Table 10	Women aged 45 and over with cancer diagnosed, by size of cancer and age, 1998-99	16
Table 11	Coverage of the target age group (50-64) by health authority at 31 March 1995, 1996, 1997, 1998 and 1999	18
Table 12	Estimated uptake of invitation to screen, by women aged 50-64 by unit, 1992-93 to 1998-99	20
Table 13	Estimated uptake of invitation to screen, by women aged 50-64 by type of invitation and unit, 1998-99	22

Table 1 Breast screening programme : test status of women and coverage by age, 31 March 1999

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	4,269.3	7.8	2,880.0	67.6
45-49	1,618.7	0.2	33.8	2.1
50-54	1,708.6	1.4	986.2	57.8
55-59	1,331.5	2.9	994.3	74.8
60-64	1,229.2	3.5	899.5	73.4
65 and over	4,639.5	6.7	427.4	9.2

Source : Form KC63

Table 2 Breast screening programme : test status and coverage of target age group (50-64) by region, 31 March 1999

				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	4,269.3	7.8	2,880.0	67.6
Northern & Yorkshire	546.4	0.7	365.6	67.0
Trent	483.9	2.0	333.4	69.2
Anglia & Oxford	466.2	0.6	337.5	72.5
North Thames	568.7	0.9	343.7	60.5
South Thames	584.5	1.2	386.9	66.3
South & West	585.9	1.0	403.7	69.0
West Midlands	464.3	0.9	325.9	70.3
North West	569.5	0.6	383.4	67.4

Source : Form KC63

Table 2a

Breast screening programme : women screened by age, region and time since last screen, 1998-99

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	68	2	2	2	3	24
	Northern & Yorkshire	67	3	2	1	3	24
	Trent	69	3	2	2	3	22
	Anglia & Oxford	72	1	1	1	2	21
	North Thames	61	2	2	2	3	31
	South Thames	66	1	1	2	3	27
	South & West	69	2	2	2	3	22
	West Midlands	70	1	1	2	3	23
	North West	67	2	2	2	3	24
50-54	England	58	1	1	0	0	40
	Northern & Yorkshire	57	2	1	0	0	40
	Trent	59	1	1	1	0	38
	Anglia & Oxford	63	1	1	0	0	35
	North Thames	51	1	1	0	0	46
	South Thames	56	1	1	0	0	42
	South & West	59	1	1	0	0	38
	West Midlands	60	1	1	0	0	38
	North West	58	1	1	0	0	40
55-59	England	75	2	2	2	4	14
	Northern & Yorkshire	75	3	3	2	4	13
	Trent	77	3	3	3	3	11
	Anglia & Oxford	79	2	2	2	4	12
	North Thames	68	2	2	3	5	21
	South Thames	73	2	2	2	4	17
	South & West	76	3	3	2	4	12
	West Midlands	78	2	2	2	3	13
	North West	75	3	2	3	4	14
60-64	England	73	2	3	2	5	14
	Northern & Yorkshire	73	4	3	2	5	13
	Trent	76	3	3	3	5	11
	Anglia & Oxford	79	1	2	2	4	11
	North Thames	66	2	2	3	7	20
	South Thames	73	2	2	2	6	16
	South & West	75	3	3	2	6	11
	West Midlands	76	2	2	2	5	13
	North West	72	3	3	3	6	14

Source : Form KC63 Part B

Table 3 Breast screening programme : estimated uptake of invitations to screer,⁽¹⁾
by women aged 50-64 by region, 1991-92 to 1998-99

Regional Office area	percentages							
	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99
England	71.6	71.8	72.1	77.4	76.2	75.5	75.4	76.2
Northern & Yorkshire	74	73	73	80	77	77	79	78
Trent	78	78	78	80	81	81	81	81
Anglia & Oxford	79	78	76	83	82	82	79	80
North Thames	59	61	60	68	66	65	66	65
South Thames	69	69	69	72	74	71	73	74
South & West	77	77	75	81	79	79	79	79
West Midlands	72	70	72	79	78	76	76	77
North West	71	74	74	78	77	77	75	76

⁽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, 1998-99

Regional Office area	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	73.7	22.8	89.8	56.7	96.7	85.1	76.2
Northern & Yorkshire	77.2	20.8	90.8	52.0	93.8	87.0	77.5	77.6
Trent	79.7	24.1	92.0	55.5	98.7	88.5	81.2	81.3
Anglia & Oxford	76.1	21.9	90.8	61.4	98.0	87.0	79.6	79.7
North Thames	60.6	20.1	84.0	51.0	97.2	76.8	64.5	64.7
South Thames	70.4	27.4	89.7	59.2	97.0	83.5	74.2	74.3
South & West	77.5	25.5	90.2	62.2	97.6	86.3	79.0	79.1
West Midlands	74.1	21.7	90.3	55.1	99.4	86.2	77.3	77.3
North West	74.2	21.2	89.6	53.5	96.9	85.1	76.3	76.4

⁽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, 1998-99

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	1,491,642	1,398,442	61,198	560,866	448,185	389,391	31,648	354
1st invitation for routine screening	381,444	335,187	45,296	313,500	12,198	9,489	921	40
Routine invitation to previous non-attenders	175,202	167,728	2,337	50,210	64,059	53,459	5,101	36
Routine invitation to previous attenders (Last screen within 5 years)	851,535	819,870	12,997	189,781	338,867	291,222	18,613	55
Routine invitation to previous attenders (Last screen more than 5 years previously)	77,772	70,673	497	4,606	31,918	34,149	6,539	63
Early recalls	5,689	4,984	71	2,769	1,143	1,072	474	160
Uptake (percentage screened of women invited)								
Total	76.1	76.2	74.9	76.9	76.6	74.9	72.0	83.3
1st invitation for routine screening	74.0	73.7	76.7	76.1	40.4	36.5	43.3	65.0
Routine invitation to previous non-attenders	22.5	22.8	10.4	34.1	21.0	14.5	16.7	52.8
Routine invitation to previous attenders (Last screen within 5 years)	89.6	89.8	81.7	89.2	90.1	89.8	88.6	94.5
Routine invitation to previous attenders (Last screen more than 5 years previously)	57.7	56.7	31.0	72.9	58.6	52.6	70.4	77.8
Early recalls	96.4	96.7	88.7	97.4	95.5	96.5	94.7	93.1

Source : Form KC62

Table 5 Breast screening programme : number of women screened by age and type of invitation, 1998-99

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	1,232.3	1,097.8	46.4	442.3	353.4	302.1	67.6	20.5
1st invitation for routine screening	282.2	247.1	34.7	238.7	4.9	3.5	0.4	0.0
Routine invitation to previous non-attenders	39.4	38.3	. (1)	17.1	13.4	7.7	0.9	0.0
Routine invitation to previous attenders (Last screen within 5 years)	763.2	736.0	. (1)	169.2	305.4	261.5	16.5	0.1
Routine invitation to previous attenders (Last screen more than 5 years previously)	44.8	40.0	. (1)	3.4	18.7	18.0	4.6	0.0
Early recalls	5.5	4.8	. (1)	2.7	1.1	1.0	0.4	0.1
Self / GP referral (no previous screen)	23.7	14.0	0.4	8.4	3.2	2.5	2.2	7.0
Self / GP referral (within 5 yrs)	60.6	15.7	. (1)	2.8	5.9	7.0	36.4	8.3
Self / GP referral (> 5 yrs)	12.9	1.8	. (1)	0.0	0.8	0.9	6.2	5.0

(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, 1998-99

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	1,232,310	66,218	5.4	19,084	3,338	4,530	0.4
1st invitation for routine screening	282,215	22,561	8.0	7,314	1,198	1,848	0.7
Routine invitation to previous non-attenders	39,406	3,166	8.0	1,124	159	289	0.7
Routine invitation to previous attenders (Last screen within 5 years)	763,195	28,782	3.8	7,647	1,366	1,537	0.2
Routine invitation to previous attenders (Last screen more than 5 years previously)	44,845	2,151	4.8	608	118	142	0.3
Early recalls	5,483	4,276	78.0	582	178	347	6.3
Self / GP referral (no previous screen)	23,658	1,833	7.7	685	110	176	0.7
Self / GP referral (within 5 yrs)	60,610	2,739	4.5	861	161	143	0.2
Self / GP referral (> 5 yrs)	12,898	710	5.5	263	48	48	0.4

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

Source : Form KC62

Table 6a Breast screening programme : women aged 50-64 screened by type of invitation and outcome, 1998-99

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	1,097,751	58,458	5.3	16,537	2,935	3,900	0.4
1st invitation for routine screening	247,054	19,828	8.0	6,469	1,075	1,615	0.7
Routine invitation to previous non-attenders	38,292	3,072	8.0	1,080	151	275	0.7
Routine invitation to previous attenders Last screen within 5 years	736,043	27,755	3.8	7,341	1,323	1,486	0.2
Routine invitation to previous attenders Last screen more than 5 years previously	40,037	1,980	4.9	535	113	119	0.3
Early recalls	4,822	3,858	80.0	525	158	267	5.5
Self GP referral (no previous screen)	14,049	1,049	7.5	355	66	97	0.7
Self GP referral (within 5 yrs)	15,701	806	5.1	201	40	34	0.2
Self GP referral (> 5 yrs)	1,753	110	6.3	31	9	7	0.4

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

Source : Form KC62

Table 7 Breast screening programme : women screened by age, region and outcome, 1998-99

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	1,232,310	66,218	5.4	19,084	3,338	4,530	0.4
	Northern & Yorkshire	146,631	7,791	5.3	2,812	407	605	0.4
	Trent	139,313	6,653	4.8	2,193	325	215	0.2
	Anglia & Oxford	169,042	8,867	5.2	2,783	378	643	0.4
	North Thames	129,349	6,923	5.4	2,085	376	662	0.5
	South Thames	174,755	10,719	6.1	2,879	385	918	0.5
	South & West	183,402	11,487	6.3	3,059	712	693	0.4
	West Midlands	132,869	5,000	3.8	1,324	263	160	0.1
	North West	156,949	8,778	5.6	1,949	492	634	0.4
50-64	England	1,097,751	58,458	5.3	16,537	2,935	3,900	0.4
	Northern & Yorkshire	130,043	6,872	5.3	2,473	363	484	0.4
	Trent	123,224	5,849	4.7	1,866	287	185	0.2
	Anglia & Oxford	152,769	7,941	5.2	2,449	339	555	0.4
	North Thames	116,539	6,172	5.3	1,831	346	593	0.5
	South Thames	149,215	9,152	6.1	2,397	330	770	0.5
	South & West	162,255	10,139	6.2	2,629	615	592	0.4
	West Midlands	122,093	4,515	3.7	1,170	231	148	0.1
	North West	141,613	7,818	5.5	1,722	424	573	0.4

(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 7a Breast screening programme : women screened by age and outcome, 1998-99

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	1,232,310	66,218	5.4	19,084	3,338	4,530	0.4	
50-64	1,097,751	58,458	5.3	16,537	2,935	3,900	0.4	
45-49	46,440	3,258	7.0	931	141	273	0.6	
50-54	442,251	30,912	7.0	8,847	1,547	2,275	0.5	
55-59	353,425	15,077	4.3	3,995	737	871	0.2	
60-64	302,075	12,469	4.1	3,695	651	754	0.2	
65-69	67,603	3,164	4.7	1,102	178	244	0.4	
70 & over	20,516	1,338	6.5	514	84	113	0.6	

(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, 1998-99

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	1,232.3	7,561	1,526	3,185	6.1	1.2	2.6
1st invitation	282.2	1,752	408	713	6.2	1.4	2.5
1st screen - previous non responder	39.4	372	64	145	9.4	1.6	3.7
Routine rescreen (within 5 yrs)	763.2	3,998	784	1,732	5.2	1.0	2.3
Routine rescreen (>5 yrs)	44.8	307	60	109	6.8	1.3	2.4
Early recall	5.5	175	60	87	31.9	10.9	15.9
Self / GP referral (no previous screen)	23.7	288	44	103	12.2	1.9	4.4
Self / GP referral (within 5 yrs)	60.6	506	80	238	8.3	1.3	3.9
Self / GP referral (>5 yrs)	12.9	163	26	58	12.6	2.0	4.5

Source : Form KC62

Table 8a Breast screening programme : women aged 50-64 screened and cancers detected by type of invitation, 1998-99

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	1,097.8	6,402	1,305	2,723	5.8	1.2	2.5
1st invitation	247.1	1,580	361	651	6.4	1.5	2.6
1st screen - previous non responder	38.3	353	61	140	9.2	1.6	3.7
Routine rescreen (within 5 yrs)	736.0	3,816	733	1,669	5.2	1.0	2.3
Routine rescreen (>5 yrs)	40.0	272	53	96	6.8	1.3	2.4
Early recall	4.8	149	49	76	30.9	10.2	15.8
Self / GP referral (no previous screen)	14.0	114	27	45	8.1	1.9	3.2
Self / GP referral (within 5 yrs)	15.7	100	18	41	6.4	1.1	2.6
Self / GP referral (>5 yrs)	1.8	18	3	5	10.3	1.7	2.9

Source : Form KC62

Table 9 Breast screening programme : women screened and cancers detected by age and region, 1998-99

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	1,232.3	7,561	1,526	3,185	6.1	1.2	2.6
	Northern & Yorkshire Trent	146.6	847	189	341	5.8	1.3	2.3
	Anglia & Oxford	139.3	918	193	363	6.6	1.4	2.6
	North Thames	169.0	1,070	227	434	6.3	1.3	2.6
	South Thames	129.3	775	142	312	6.0	1.1	2.4
	South & West	174.8	1,141	238	509	6.5	1.4	2.9
	West Midlands	183.4	1,239	261	539	6.8	1.4	2.9
	North West	132.9	678	97	309	5.1	0.7	2.3
		156.9	893	179	378	5.7	1.1	2.4
50-64	England	1,097.8	6,402	1,305	2,723	5.8	1.2	2.5
	Northern & Yorkshire Trent	130.0	734	169	298	5.6	1.3	2.3
	Anglia & Oxford	123.2	744	159	291	6.0	1.3	2.4
	North Thames	152.8	920	195	378	6.0	1.3	2.5
	South Thames	116.5	670	125	275	5.7	1.1	2.4
	South & West	149.2	910	189	425	6.1	1.3	2.8
	West Midlands	162.3	1045	226	453	6.4	1.4	2.8
	North West	122.1	599	85	266	4.9	0.7	2.2
		141.6	780	157	337	5.5	1.1	2.4

Source : Form KC62

Table 9a Breast screening programme : women screened and cancers detected by age, 1998-99

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	1,232.3	7,561	1,526	3,185	6.1	1.2	2.6
50-64	1,097.8	6,402	1,305	2,723	5.8	1.2	2.5
45-49	46.4	195	59	65	4.2	1.3	1.4
50-54	442.3	2,413	547	995	5.5	1.2	2.2
55-59	353.4	1,946	380	829	5.5	1.1	2.3
60-64	302.1	2,043	378	899	6.8	1.3	3.0
65-69	67.6	657	122	279	9.7	1.8	4.1
70 & over	20.5	307	40	118	15.0	1.9	5.8

Source : Form KC62

Table 10 Breast screening programme : women aged 45 and over, with cancer diagnosed, by size of cancer and age, 1998-99

England		numbers						
Size of cancer	All ages 45 & over	Target ages 50-64	Age					
			45-49	50-54	55-59	60-64	65-69	70 & over
All cancers	7,561	6,402	195	2,413	1,946	2,043	657	307
Invasive status not known	51	38	0	12	14	12	2	11
Non-invasive or possibly micro-invasive	1,395	1,195	52	501	347	347	110	38
Definitely micro-invasive	131	110	7	46	33	31	12	2
Invasive total	5,984	5,059	136	1,854	1,552	1,653	533	256
Small (less than 15mm) total	3,185	2,723	65	995	829	899	279	118
per 1,000 women screened	2.6	2.5	1.4	2.2	2.3	3.0	4.1	5.8
as a percentage of total invasive	53	54	48	54	53	54	52	46
Less than 10mm	1,416	1,203	32	420	359	424	126	55
Greater than or equal to 10mm and less than 15mm	1,769	1,520	33	575	470	475	153	63
Greater than or equal to 15mm and less than 20mm	1,237	1,046	31	381	310	355	108	52
Greater than or equal to 20mm and less than 50mm	1,394	1,151	38	413	382	356	130	75
Greater than or equal to 50mm	85	69	2	39	14	16	10	4
Size not known	83	70	0	26	17	27	6	7

Source : Form KC62

Table 11 Breast screening programme : coverage of the target age group (50-64) by health authority at 31 March, 1995, 1996, 1997, 1998 and 1999

Health Authority Code	Health Authority Name	1995		1996		1997		1998		1999	
		Eligible ⁽¹⁾ Population (thousands)	Coverage (less than 3 yrs since last test) (%)	Eligible ⁽¹⁾ Population (thousands)	Coverage (less than 3 yrs since last test) (%)	Eligible ⁽¹⁾ Population (thousands)	Coverage (less than 3 yrs since last test) (%)	Eligible ⁽¹⁾ Population (thousands)	Coverage (less than 3 yrs since last test) (%)	Eligible ⁽¹⁾ Population (thousands)	Coverage (less than 3 yrs since last test) (%)
	England	3,842.2	63.9	3,860.6	65.4	4,025.5	65.6	4,158.3	66.4	4,261.5	67.6
	Northern & Yorkshire	515.8	68.3	503.4	68.9	520.5	67.3	536.5	67.2	545.7	67.0
QDD	Bradford	35.3	62.2	35.2	58.8	35.9	59.3	36.6	65.4	37.1	66.1
QDE	County Durham	50.4	66.4	50.7	70.2	52.2	68.0	53.6	69.2	54.4	69.8
QDF	East Riding	41.6	68.6	41.8	69.2	46.6	69.4	48.8	63.9	50.0	53.3
QDG	Gateshead & South Tyneside	29.8	68.1	29.7	70.9	29.9	72.8	30.3	70.2	30.3	72.6
QDH	Leeds	54.6	64.5	54.5	63.6	55.9	59.6	57.2	62.3	58.2	63.5
QDJ	Newcastle & North Tyneside	36.0	69.1	35.6	73.3	36.1	70.4	37.5	68.2	36.8	71.8
QDK	North Cumbria	42.0	72.9	27.3	71.4	28.0	64.8	28.9	61.1	29.6	55.8
QDM	Northumberland	26.8	76.1	27.1	77.0	27.9	79.3	28.9	74.8	29.8	74.6
QDN	Sunderland	23.5	69.3	23.3	67.9	23.8	69.9	24.2	74.1	24.6	73.1
QDP	Tees	44.9	68.5	44.6	69.1	45.4	67.2	46.4	66.2	47.1	68.7
QDQ	Wakefield	25.5	68.6	25.7	66.5	26.6	68.9	27.3	68.0	27.8	68.7
QDR	North Yorkshire	60.7	72.1	62.8	74.3	65.5	71.7	68.4	70.8	70.6	69.1
QDT	Calderdale & Kirklees	44.7	64.6	45.2	64.6	46.8	59.6	48.5	63.8	49.4	69.0
	Trent	413.1	64.6	400.8	70.2	418.1	70.8	436.9	69.5	481.9	69.2
QCG	Barnsley	18.6	76.9	18.6	78.3	19.1	76.4	19.5	75.9	19.8	75.6
QCH	North Derbyshire ⁽²⁾	31.9	61.0	28.8	62.3	28.8	62.3	34.5	56.2	35.4	60.9
QCJ	South Derbyshire	43.8	68.6	36.4	71.5	45.3	75.2	46.8	75.0	83.4	68.8
QCK	Doncaster	23.6	62.0	23.6	70.5	24.2	66.1	24.9	68.3	25.3	71.1
QCL	Leicestershire	69.5	66.0	70.3	67.8	72.5	70.3	74.8	70.4	76.6	67.7
QCM	Lincolnshire	54.0	69.0	54.6	75.4	56.4	69.9	59.0	65.9	61.5	68.7
QCN	North Nottinghamshire	33.3	51.1	31.9	66.4	34.6	79.8	35.7	77.3	36.5	77.4
QCP	Nottingham	48.2	51.3	45.8	68.6	49.2	69.7	50.4	70.1	51.1	69.9
QCQ	Rotherham	20.8	69.5	20.8	70.7	21.4	63.8	22.2	66.0	22.5	73.9
QCR	Sheffield	39.9	72.6	40.1	72.8	40.7	73.7	41.8	74.1	42.2	73.8
QDL	South Humber	29.5	68.7	29.7	69.6	25.9	67.4	27.2	63.8	27.5	56.8
	Anglia & Oxford	379.6	70.6	397.1	70.2	434.3	70.1	452.9	70.9	465.6	72.5
QA6	Bedfordshire	41.6	64.9	42.2	65.7	43.7	59.7	45.2	63.3	46.0	70.2
QA7	Berkshire	36.6	70.4	58.3	71.8	60.4	70.7	62.5	71.2	64.3	71.4
QA8	Buckinghamshire	47.7	76.6	48.8	78.4	55.0	77.3	57.4	77.3	59.1	77.2
QA9	Cambridge & Huntingdon	31.1	75.5	32.3	67.9	33.9	68.4	36.1	66.0	36.9	75.8
QCA	East Norfolk	51.9	70.5	52.8	65.3	55.3	65.4	57.6	70.5	59.2	73.3
QCC	Northamptonshire	44.8	74.8	45.0	75.5	48.6	75.0	51.0	73.6	52.9	74.2
QCD	North West Anglia	32.5	68.9	19.1	68.2	34.6	69.6	36.1	74.6	36.8	71.7
QCE	Oxfordshire	41.3	70.3	45.6	67.6	47.4	66.8	49.1	66.1	50.4	68.1
QCF	Suffolk	52.0	64.7	53.0	69.0	55.4	74.9	58.0	72.6	60.0	70.6
	North Thames	528.1	54.6	531.4	55.3	544.4	57.0	558.3	60.0	567.7	60.5
QA2	Hillingdon	18.2	55.4	18.4	55.6	18.6	56.1	19.1	61.2	19.5	61.6
QA3	Kensington Chelsea & Westminster	25.3	26.6	24.5	32.7	24.5	36.6	25.4	39.3	26.0	41.5
QA4	Enfield & Haringey	38.6	49.0	38.8	53.5	39.2	57.3	39.7	59.3	39.6	56.1
QA5	Redbridge & Waltham Forest	33.0	59.5	33.1	57.1	34.2	61.8	35.2	60.9	35.3	61.6
QAP	Barking & Havering	30.3	64.6	30.1	64.3	30.7	66.7	31.2	68.0	32.2	68.5
QAQ	Barnet	22.6	42.2	24.3	42.8	24.7	56.2	25.3	55.8	26.0	56.2
QAR	Brent & Harrow	37.9	45.8	38.1	53.3	38.2	57.7	39.0	58.1	39.2	58.3
QAT	Camden & Islington	26.9	41.1	27.0	42.4	27.4	41.1	27.6	40.6	27.8	43.5
QAV	Ealing Hammersmith & Hounslow	50.5	45.4	49.7	44.0	50.2	44.1	50.8	51.6	50.7	53.7
QAW	East London & The City	38.1	45.4	38.1	47.7	38.0	47.2	37.9	48.4	38.2	48.8
QAX	North Essex	70.5	66.9	72.2	68.6	75.7	66.3	79.5	70.4	82.1	72.6
QAY	South Essex	56.0	65.1	56.9	65.4	59.1	64.0	61.4	65.7	63.2	67.1
QEP	East & North Hertfordshire	40.1	64.8	39.4	63.1	41.8	64.2	43.0	66.2	43.7	65.1
QEQ	West Hertfordshire	40.3	63.9	40.8	56.2	42.1	59.1	43.1	69.3	44.3	65.6

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

continued

Table 11 Breast screening programme : coverage of the target age group (50-64) by health authority at 31 March, 1995, 1996, 1997, 1998 and 1999

Health Authority Code	Health Authority Name	1995		1996		1997		1998		1999	
		Eligible ⁽¹⁾ Population (thousands)	Coverage (less than 3 yrs since last test) (%)	Eligible ⁽¹⁾ Population (thousands)	Coverage (less than 3 yrs since last test) (%)	Eligible ⁽¹⁾ Population (thousands)	Coverage (less than 3 yrs since last test) (%)	Eligible ⁽¹⁾ Population (thousands)	Coverage (less than 3 yrs since last test) (%)	Eligible ⁽¹⁾ Population (thousands)	Coverage (less than 3 yrs since last test) (%)
	England	3,842.2	63.9	3,860.6	65.4	4,025.5	65.6	4,158.3	66.4	4,261.5	67.6
	South Thames	529.3	57.9	536.6	60.1	555.2	61.0	571.6	64.2	583.3	66.3
QAA	Bexley & Greenwich	32.6	60.2	33.0	54.3	33.8	57.1	34.7	62.2	35.3	64.7
QAC	Bromley	25.1	64.7	23.3	66.7	25.9	64.7	26.6	65.5	27.0	65.8
QAD	Croydon	25.4	36.7	25.4	51.1	26.0	60.0	26.7	59.9	27.0	61.5
QAE	East Kent	46.5	67.5	47.7	66.6	49.5	67.1	51.8	65.8	53.4	68.7
QAF	West Kent	77.1	66.9	79.4	65.4	82.5	64.7	85.6	70.4	88.1	68.8
QAG	Kingston & Richmond	22.7	56.8	23.0	59.0	23.8	56.9	24.6	59.8	25.7	62.8
QAH	Lambeth Southwark & Lewisham	50.2	45.5	50.1	46.5	50.0	46.1	49.7	49.9	49.5	55.5
QAJ	Merton Sutton & Wandsworth	44.4	50.3	44.5	47.7	45.4	52.1	46.2	58.7	46.7	57.6
QAK	East Surrey	35.3	54.5	36.1	62.2	37.3	63.5	38.4	64.5	39.1	68.0
QAL	West Surrey	52.5	63.6	53.9	64.7	55.4	60.5	56.8	63.5	57.3	69.3
QAM	East Sussex Brighton & Hove	56.1	67.3	58.2	69.5	60.8	70.1	63.4	71.4	65.1	72.5
QAN	West Sussex	61.4	48.8	62.1	58.6	64.8	62.1	67.2	66.8	69.0	70.0
	South & West	517.4	68.6	540.2	68.2	564.8	66.9	586.7	66.4	584.9	69.0
QD1	North & Mid Hampshire	33.9	70.4	46.7	66.0	44.7	63.4	46.7	66.0	48.1	69.0
QD2	Portsmouth & South East Hampshire	41.4	68.2	43.2	68.2	44.7	66.8	46.0	68.3	47.1	70.6
QD3	Southampton & South West Hampshire	34.7	70.8	37.7	69.8	44.0	66.0	45.7	70.1	46.8	71.4
QD4	Isle of Wight	11.5	69.1	11.8	67.9	12.2	70.2	12.8	73.9	13.2	75.6
QD5	Somerset	35.7	70.9	36.3	70.8	42.5	66.0	44.5	70.1	46.2	72.4
QD6	South & West Devon	48.8	65.3	49.4	58.9	51.6	63.2	53.7	58.3	55.1	66.2
QD7	Wiltshire	60.7	71.6	61.5	66.6	48.7	71.5	50.7	69.8	32.1	70.8
QD8	Avon	65.0	64.9	65.8	71.4	78.9	67.2	81.1	65.2	83.7	68.8
QDV	Cornwall & Isles of Scilly	42.2	71.8	43.8	70.1	45.9	68.2	48.2	63.8	50.5	64.2
QDW	Dorset	58.1	68.9	58.6	69.1	61.1	70.3	63.3	69.6	65.0	71.6
QDX	North & East Devon	40.4	63.2	39.7	69.0	43.0	61.8	44.9	60.7	46.5	62.8
QDY	Gloucestershire	45.1	69.9	45.8	70.6	47.5	68.5	49.2	67.3	50.5	70.0
	West Midlands	430.4	64.3	433.8	66.0	444.7	67.9	455.3	69.1	463.4	70.3
QD9	Birmingham	71.7	57.3	72.2	60.6	72.5	60.5	72.9	63.1	73.6	64.1
QEA	Coventry	23.3	67.6	23.3	61.9	23.6	70.3	23.9	71.4	23.9	72.3
QEC	Dudley	27.1	51.5	27.1	58.5	27.6	65.0	28.2	68.9	28.6	67.6
QED	Herefordshire	14.3	70.9	14.6	76.4	15.2	76.7	15.8	72.5	16.3	74.0
QEE	Sandwell	23.8	66.3	23.6	65.6	23.6	66.6	23.6	65.0	23.7	67.9
QEF	Shropshire	35.4	71.5	36.0	72.1	37.5	70.7	39.1	68.5	40.6	71.7
QEG	Solihull	18.1	67.4	18.3	66.3	18.9	67.3	19.4	67.0	19.9	69.8
QEH	North Staffordshire	38.2	64.6	37.5	63.7	39.0	66.8	40.0	68.0	40.7	69.3
QEJ	South Staffordshire	49.4	67.3	50.4	69.6	52.5	69.9	54.4	71.3	55.6	74.1
QEK	Walsall	22.7	66.7	22.4	67.5	22.7	71.3	22.8	71.1	22.8	71.1
QEL	Warwickshire	42.4	68.0	43.1	66.4	44.7	65.4	46.3	72.1	47.4	73.4
QEM	Wolverhampton	19.3	46.0	19.2	59.4	19.2	65.6	19.4	63.8	19.5	64.3
QEN	Worcestershire	44.9	70.8	45.9	72.9	47.7	76.0	49.6	75.5	50.7	74.9
	North West	528.6	64.7	517.2	66.7	543.5	66.7	560.1	66.2	568.9	67.4
QC1	South Lancashire	25.9	64.0	25.3	68.9	27.4	64.9	28.8	69.6	29.7	67.8
QC2	Liverpool	35.4	53.7	34.9	58.3	35.1	61.5	35.2	63.0	35.4	59.9
QC3	Manchester	28.1	58.9	27.7	60.7	27.6	59.8	27.6	58.3	27.5	59.1
QC4	Morecambe Bay	25.3	68.5	25.0	67.5	26.6	63.1	27.5	61.3	28.3	64.3
QC5	St Helen's & Knowsley	27.6	61.3	27.5	61.5	28.0	63.6	28.4	66.8	28.8	67.1
QC6	Salford & Trafford	35.2	65.5	35.3	69.7	36.0	67.3	36.8	66.9	37.0	64.6
QC7	Sefton	25.7	64.5	25.7	65.3	26.1	64.5	26.5	61.8	26.7	61.0
QC8	Stockport	24.0	71.4	24.2	71.9	25.0	71.4	25.8	67.9	26.2	69.5
QC9	West Pennine	36.4	68.9	36.4	72.3	38.0	65.6	39.4	68.5	39.8	70.1
QCT	Bury & Rochdale	31.0	56.4	31.3	55.8	31.7	63.1	32.7	63.5	33.2	67.4
QCV	North Cheshire	26.4	61.9	26.6	61.4	27.7	65.2	28.8	67.1	29.4	68.6
QCW	South Cheshire	53.7	72.2	54.3	74.2	58.4	71.8	60.6	73.7	62.0	74.3
QCX	East Lancashire	38.6	65.5	31.4	64.6	40.0	67.8	42.3	65.4	43.3	66.0
QCY	North West Lancashire	39.2	66.3	35.8	67.4	39.9	69.8	41.2	65.8	41.8	68.6
QDA	Wigan & Bolton	45.4	64.9	46.0	70.2	47.6	69.0	49.6	63.1	50.4	69.3
QDC	Wirral	30.8	67.5	29.8	69.9	28.4	70.9	29.0	70.0	29.4	72.0

(1) Resident population less those women recorded as ineligible

(2) 1995/96 data used for March 1997 entry

Table 12 Breast screening programme : estimated uptake of invitation to screen, by women aged 50-64 by unit, 1992-93 to 1998-99 ⁽¹⁾

England								percentages
Unit	1992-93	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99	Change ⁽²⁾ 1997-98 to 1998-99
Northern & Yorkshire								
Cumbria	82	81	86	83	83	83	81	-2
Gateshead	71	70	78	80	77	78	79	+1
Leeds	71	71	76	71	73	76	73	-4
Newcastle	73	76	83	80	84	82	80	-2
North Tees	77	72	81	80	76	78	81	+2
North Yorkshire	78	80	82	80	82	81	82	+1
Pennine	69	70	77	73	72	78	73	-5
Trent								
Barnsley		81	82	82	82	82	82	0
Doncaster	80	80	82	82	84	82	81	-1
Rotherham		77	80	82	81	81	83	+2
Boston (South Lincolnshire)		77	84	82	80	81	82	+1
North Lincolnshire	79	81		83	82	82	80	-2
Derby City & South Derbyshire	87	81	83	83	83	84	84	0
North Derbyshire (Chesterfield)		80	78	79	79	80	81	+1
Humberside	74	76	77	77	78	75	79	+4
Leicestershire	74	78	79	80	82	81	81	0
North Nottinghamshire		76	81	79	80	81	81	0
Nottingham City	75	71	78	80	78	81	83	+2
Sheffield	73	79	80	79	81	81	78	-2
Anglia & Oxford								
Aylesbury	76	78	82	79	78	80	82	+2
Cambridge & Huntingdon	74	85	83	83	81	78	77	-1
East Berkshire	73	71	81	78	75	79	79	0
Great Yarmouth & Waveney	82	82	83	76	78	+1
Kettering	78	76	82	80	80	79	81	+2
Kings Lynn	86	77	79	84	86	79	79	0
Luton & Dunstable	75	74	76	77	76	75	78	+3
Milton Keynes	72	76	82	76	81	77	82	+5
Northampton	74	73	80	77	78	77	79	+1
Norwich & Area	78	78	86	88	88	80	82	+2
Oxford	77	76	82	78	79	79	80	+1
Peterborough	78	75	84	87	86	78	81	+3
Suffolk East	84	78	85	88	86	80	81	+1
West Berkshire	75	76	86	80	79	82	80	-2
West Suffolk	81	75	83	84	84	80	80	0
Wycombe	79	82	86	82	82	83	80	-2
North Thames								
Barking, Havering & Brentwood	75	70	80	77	72	75	76	+1
Central & East London	44 ⁽³⁾	43	46	50	50	47	49	+3
Chelmsford & Colchester	77	77	85	83	79	81	81	0
Epping	64	67	79	70	71	72	72	0
North Middlesex	46	63	67	58	58	62	60	-2
North of London (Edgware)	57	56	68	63	62	66	65	0
South Essex	69	70	76	74	71	69	68	-1
West of London (Charing Cross)	51	55	59	54	56	55	56	+1
Whipps Cross	66	67	69	73	73	70	73	+2

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

continued

(2) All percentages are shown rounded to the nearest whole number; the difference between 1997-98 and 1998-99 uptake is calculated using the exact percentages for those years and then rounded

(3) 1992-93 data aggregated from Central London and East London

Table 12 cont. Breast screening programme : estimated uptake of invitation to screen, by women aged 50-64 by unit, ⁽¹⁾
1992-93 to 1998-99

England								percentages
Unit	1992-93	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99	Change ⁽²⁾ 1997-98 to 1998-99
South Thames								
Canterbury & Kent	78	77	83	81	79	78	78	-1
East Sussex (Brighton)	69	69	84	78	80	79	77	-2
Guildford	68	69	71	76	72	76	78	+3
South East London	61	61	64	65	63	65	65	0
Wandsworth	62	63	63	69	63	68	71	+3
Worthing	78	73	72	74	73	76	78	+2
South & West								
Avon	75	71	78	79	79	76	79	+2
Basingstoke	78	76	83	79	77	82	78	-4
Cornwall	76	76	81	80	78	79	78	-1
Dorset	75	74	81	78	78	79	80	+1
East Devon	79	75	81	80	78	77	79	+1
Gloucester	79	74	81	78	76	77	80	+2
Isle of Wight	76	78	87	81	82	82	82	0
Portsmouth	73	78	82	75	79	79	76	-2
Somerset	80	76	79	79	83	82	81	0
Southampton (Salisbury)	77	78	86	79	78	81	79	-2
Swindon & Bath	80	80	81	80	80	79	80	+1
West Devon	73	73	78	77	77	79	80	+1
Winchester	76	73	85	88	85	77	79	+3
West Midlands								
Dudley and Wolverhampton	51	55	72	72	69	73	75	+2
Hereford and Worcester County	79	79	88	89	81	83	82	0
Mid Staffordshire	77	76	83	87	88	82	81	-1
North Staffordshire	71	75	77	76	75	76	76	-1
Shropshire	80	77	83	81	78	78	82	+4
South East Staffordshire	82	80	87	83	83	79	81	+1
South Birmingham	58	70	72	70	76	69	71	+2
Walsall and Sandwell	70	73	74	76	74	69	76	+7
Warwickshire, Solihull and Coventry	74	75	83	77	77	78	78	0
City Hospital (Birmingham)	58	64	67	63	69	66	68	+2
North West								
Bolton, Bury & Rochdale	74	73	78	77	75	75	76	+1
Chester	80	80	83	82	82	79	81	+2
Crewe	83	80	90	84	83	84	83	-1
East Lancashire	78	73	81	82	79	74	75	+1
Liverpool	61	64	66	64	73	71	71	-1
Macclesfield	80	78	85	80	80	78	80	+1
Greater Manchester	72	73	76	75	73	71	75	+4
North Lancashire	84	75	86	87	85	77	76	-1
Warrington, Halton & St Helens	72	71	77	77	74	77	77	+1
Wigan	78	80	86	87	85	78	79	+1
Wirral	78	73	79	80	75	76	82	+5

(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 1997-98 and 1998-99 uptake is calculated using the exact percentages for those years and then rounded

Table 13

Breast screening programme : estimated uptake of invitations to screen
by women aged 50-64 by type of invitation and unit, 1998-99

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)	First & routine invitation (within 5 yrs)	First & all routine invitations	First, routine and early recall invitations ⁽¹⁾
England	73.7	22.8	89.8	56.7	85.1	76.2	76.2
Northern & Yorkshire	77.2	20.8	90.8	52.0	87.0	77.5	77.6
Cumbria	80.5	21.1	90.0	62.5	86.8	81.1	81.3
Gateshead	77.6	19.2	91.1	50.0	88.5	78.4	78.5
Leeds	71.7	21.7	89.4	49.6	84.4	72.5	72.5
Newcastle	81.7	15.6	91.6	41.4	88.9	80.0	80.0
North Tees	81.1	20.0	92.3	60.5	88.7	80.6	80.6
North Yorkshire	79.0	22.3	93.2	59.8	88.9	81.7	81.7
Pennine	71.5	24.0	88.4	51.0	83.3	72.7	72.8
Trent	79.7	24.1	92.0	55.5	88.5	81.2	81.3
Barnsley	82.6	15.9	92.2	52.4	89.9	82.2	82.3
Doncaster	79.7	21.4	92.5	56.4	88.3	81.0	81.0
Rotherham	81.0	21.1	93.9	54.4	89.6	82.6	82.6
Boston (South Lincolnshire)	78.0	25.0	91.0	53.2	87.4	81.7	81.7
North Lincolnshire	74.6	29.5	91.8	50.0	85.3	80.0	80.1
Derby City & South Derbyshire	82.8	18.6	93.6	49.9	90.9	84.0	84.0
North Derbyshire (Chesterfield)	79.9	27.0	91.9	61.1	88.5	81.2	81.3
Humberside	79.7	23.1	90.5	56.9	87.5	79.3	79.4
Leicestershire	79.6	27.1	92.8	59.6	88.9	80.8	80.8
North Nottinghamshire	80.0	29.6	86.4	55.3	84.5	81.2	81.2
Nottingham City	81.9	26.9	93.4	57.0	90.2	82.6	82.6
Sheffield	76.4	20.1	91.6	49.7	87.8	78.3	78.3
Anglia & Oxford	76.1	21.9	90.8	61.4	87.0	79.6	79.7
Aylesbury	73.6	15.0	91.1	35.8	89.7	81.9	82.0
Cambridge & Huntingdon	76.3	14.3	88.7	66.0	81.3	77.1	77.1
East Berkshire	72.0	29.4	90.9	64.2	85.5	78.4	78.6
Great Yarmouth & Waveney	39.3	19.8	90.4	69.6	87.5	77.6	77.7
Kettering	81.9	22.9	90.4	29.5	88.5	81.0	81.1
Kings Lynn	42.2	17.7	90.3	67.8	87.6	79.3	79.4
Luton & Dunstable	77.0	24.7	90.5	54.7	86.2	77.9	78.0
Milton Keynes	82.9	17.5	90.7	33.6	89.1	82.3	82.3
Northampton	79.2	17.9	89.5	30.9	87.3	78.5	78.6
Norwich & Area	76.1	18.4	92.3	69.0	86.9	81.8	81.8
Oxford	79.4	24.2	91.0	64.7	87.6	80.0	80.2
Peterborough	49.9	22.2	91.2	71.3	88.3	81.0	81.1
Suffolk East	72.8	19.5	91.5	71.2	87.4	81.3	81.3
West Berkshire	78.2	20.4	91.9	58.5	88.4	80.2	80.2
West Suffolk	66.8	21.1	91.7	68.7	88.1	80.3	80.3
Wycombe	77.4	25.1	90.3	32.4	87.8	80.4	80.4
North Thames	60.6	20.1	84.0	51.0	76.8	64.5	64.7
Barking, Havering & Brentwood	74.0	22.9	89.5	57.7	85.0	76.1	76.3
Central & East London	45.5	17.6	74.2	40.0	63.3	49.2	49.3
Chelmsford & Colchester	76.9	23.3	91.6	61.5	87.4	80.4	80.5
Epping	66.1	23.2	86.1	56.9	81.5	72.0	72.1
North Middlesex	58.4	17.6	81.1	48.2	75.0	59.6	59.7
North of London (Edgware)	60.3	20.1	85.2	52.4	78.2	65.4	65.4
South Essex	64.3	20.1	84.2	44.8	78.5	67.5	67.8
West of London (Charing Cross)	52.3	20.6	78.6	50.3	68.8	55.8	56.0
Whipps Cross	69.7	21.9	90.3	47.5	83.6	72.6	72.6

continued

Table 13 Breast screening programme : estimated uptake of invitations to screen by women aged 50-64 by type of invitation and unit, 1998-99

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)	First & routine invitation (within 5 yrs)	First & all routine invitations	First, routine and early recall invitations ⁽¹⁾
England	73.7	22.8	89.8	56.7	85.1	76.2	76.2
South Thames	70.4	27.4	89.7	59.2	83.5	74.2	74.3
Canterbury & Kent	74.8	23.9	89.7	49.3	85.3	77.6	77.7
East Sussex (Brighton)	72.1	25.5	90.6	66.2	85.0	77.1	77.2
Guildford	75.0	37.3	91.1	67.0	86.3	78.3	78.4
South East London	62.0	19.4	85.9	47.9	77.5	64.9	65.1
Wandsworth	64.9	26.7	89.1	63.0	81.0	70.7	71.0
Worthing	74.8	35.5	92.5	61.4	86.1	78.0	78.1
South & West	77.5	25.5	90.2	62.2	86.3	79.0	79.1
Avon	78.4	24.1	89.7	51.6	86.1	78.5	78.6
Basingstoke	74.6	26.8	89.2	62.6	84.5	77.5	77.6
Cornwall	74.2	27.2	90.0	54.0	84.8	77.7	77.8
Dorset	78.0	24.1	91.0	63.6	87.5	79.8	79.8
East Devon	77.7	26.9	88.6	72.2	84.7	78.5	78.6
Gloucester	79.3	22.7	90.8	63.3	87.4	79.7	79.8
Isle of Wight	80.3	24.3	92.3	72.8	88.8	82.2	82.2
Portsmouth	76.0	25.8	89.0	56.1	85.1	76.4	76.5
Somerset	78.4	25.7	93.0	63.2	88.7	81.2	81.3
Southampton (Salisbury)	75.7	26.7	90.4	57.8	86.0	78.9	79.0
Swindon & Bath	78.0	24.9	89.9	64.8	86.6	79.8	79.8
West Devon	80.9	28.9	90.1	69.5	87.0	79.5	79.5
Winchester	72.4	23.8	89.9	62.8	84.1	79.2	79.3
West Midlands	74.1	21.7	90.3	55.1	86.2	77.3	77.3
Dudley and Wolverhampton	73.6	23.2	90.1	59.9	86.1	75.1	75.1
Hereford and Worcester County	76.0	23.6	93.1	57.6	88.9	82.4	82.4
Mid Staffordshire	62.7	83.3 ⁽²⁾	91.2	71.5	81.8	81.1	81.1
North Staffordshire	74.0	19.5	90.7	51.1	86.2	75.6	75.7
Shropshire	80.2	24.2	91.3	58.7	88.9	81.6	81.7
South East Staffordshire	79.5	22.5	91.0	60.5	87.4	80.9	80.9
South Birmingham	68.8	21.6	87.6	56.4	82.8	71.2	71.3
Walsall and Sandwell	76.3	18.6	89.6	43.5	86.4	76.3	76.3
Warwickshire, Solihull and Coventry	77.9	20.6	90.5	50.3	87.4	78.4	78.4
City Hospital (Birmingham)	66.9	22.2	86.1	50.6	81.0	68.1	68.1
North West	74.2	21.2	89.6	53.5	85.1	76.3	76.4
Bolton, Bury & Rochdale	74.9	22.7	89.2	47.0	84.9	75.6	75.6
Chester	78.8	21.9	91.7	48.8	88.4	80.9	81.0
Crewe	81.0	18.4	93.1	47.2	89.8	82.7	82.9
East Lancashire	69.9	20.4	88.2	55.4	82.2	75.0	75.0
Liverpool	72.8	23.3	88.3	57.5	83.5	70.7	70.8
Macclesfield	78.4	20.0	90.8	55.2	87.2	79.7	79.8
Greater Manchester	74.4	19.8	89.2	49.9	85.1	75.2	75.2
North Lancashire	66.4	16.5	88.7	61.4	82.0	76.0	76.0
Warrington, Halton & St Helens	77.2	23.8	90.1	53.0	86.6	77.2	77.3
Wigan	75.6	19.7	89.1	53.3	84.8	79.2	79.2
Wirral	82.3	22.1	92.4	52.2	89.9	81.5	81.6

⁽¹⁾ This is the grouping used in Table 3

⁽²⁾ Based on 6 women invited

Source : Form KC62