

# Breast Screening Programme, England: 1999-2000

This bulletin summarises information from the computerised call and recall system for breast cancer screening and from breast screening units in England in 1999-2000, including some information about earlier years.

## KEY FACTS

At 31 March 2000:

- 69.3% of women aged 50-64 resident in England had been screened at least once in the previous 3 years (67.7% at 31 March 1999); for women aged 55-64, coverage improved from 74.1% to 75.6%.
- In 82 of the 99 Health Authorities the coverage was 60% or higher; coverage was 70% or higher in over half of all Health Authorities (37 Health Authorities at 31 March 1999).

In 1999-2000:

- 76% of women aged 50-64 invited for screening were screened.
- 1.3 million women of all ages were screened within the programme.
- 8,215 cases of cancer were diagnosed in women screened.

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Bulletin 2001/10  
Published March 2001  
Free of charge  
ISBN 1 84182 355 4  
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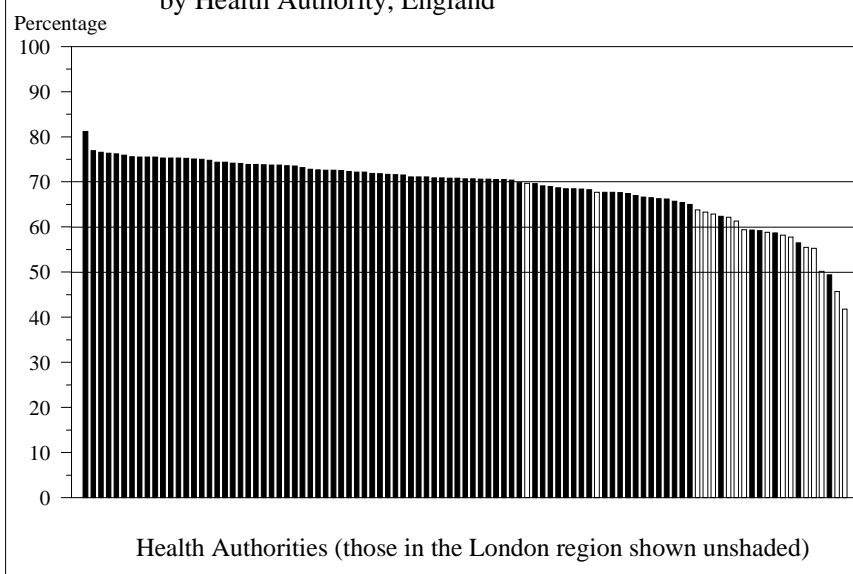
## 1 INTRODUCTION

**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 sixth 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.

**Figure 1** Breast screening programme : coverage at 31 March 2000 by Health Authority, England



## 2 ANALYSIS AND COMMENTARY

### 2.1 Overview

**2.1.1** Reported coverage of the screening programme (see para 3.1 for definition) rose from 67.7% in 1999 to 69.3% in 2000; this is the 5th successive year-on-year increase in coverage. Coverage in 2000 was

higher than 70% in over half the Health Authorities, compared with only about a third in 1999. In only 3 Health Authorities overall coverage was below 50%. Uptake during 1999-2000 was about 76%, as it has been each year since 1995 – 1996 (Table A).

### 2.2 Coverage (Tables 1, 2 & 11)

**2.2.1** The reported coverage by the screening programme at 31 March 2000 of women aged 50-64 was 69.3%. Coverage among women aged 55-64 was about 75.6%, up from 74.1% in 1999, and the relatively low figure (59.8%) 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.

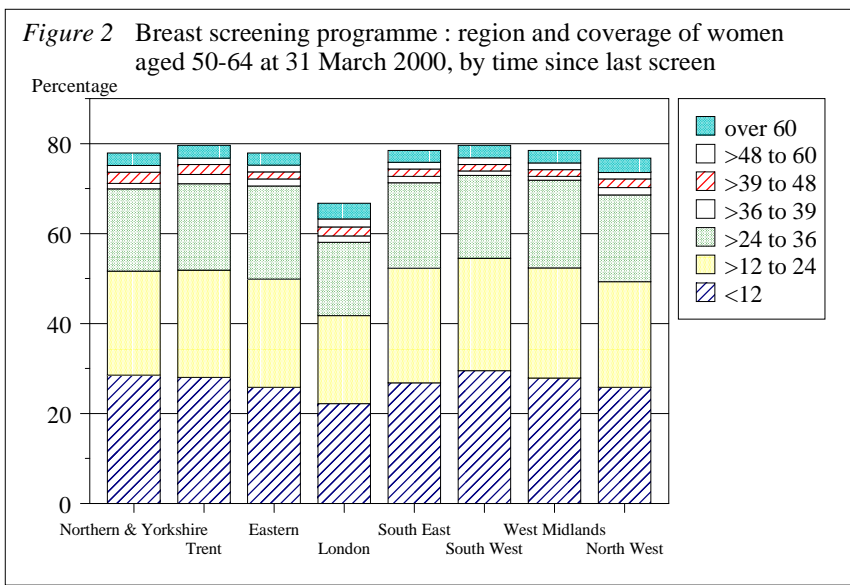
**Table A** Breast screening programme : coverage and uptake 1991-92 to 1999-2000

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	67.7 <sup>(1)</sup>	76.2
1999-2000	69.3	75.6

.. 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 58.2% in London to almost 73% in South West. At HA level, over half of authorities reported coverage higher than 70% and just under one third reported coverage between 60% and 70%. In only 3 of the 99 HAs was coverage below 50%; two in London and one in Trent. (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 69% of women within 3 years of their latest test at 31 March 2000, a further 1% had their latest screen between 3 and 3¼ years previously, possibly as a result of unavoidable delays in offering a screening

appointment or due to local slippage in sending out screening invitations, or patient choice. As with coverage generally, there were marked differences between regions (Figure 2).

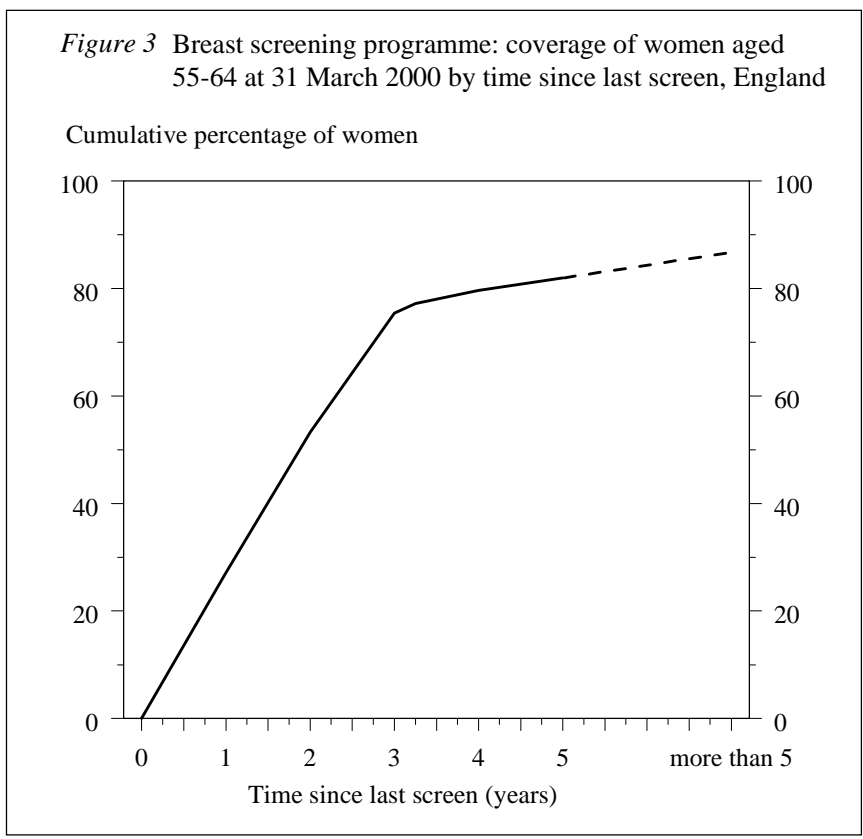
**2.2.4** Among women aged 55-64, about 76% were within 3 years of their latest screen, 2% within 3-3¼ years and 9% more than 3¼

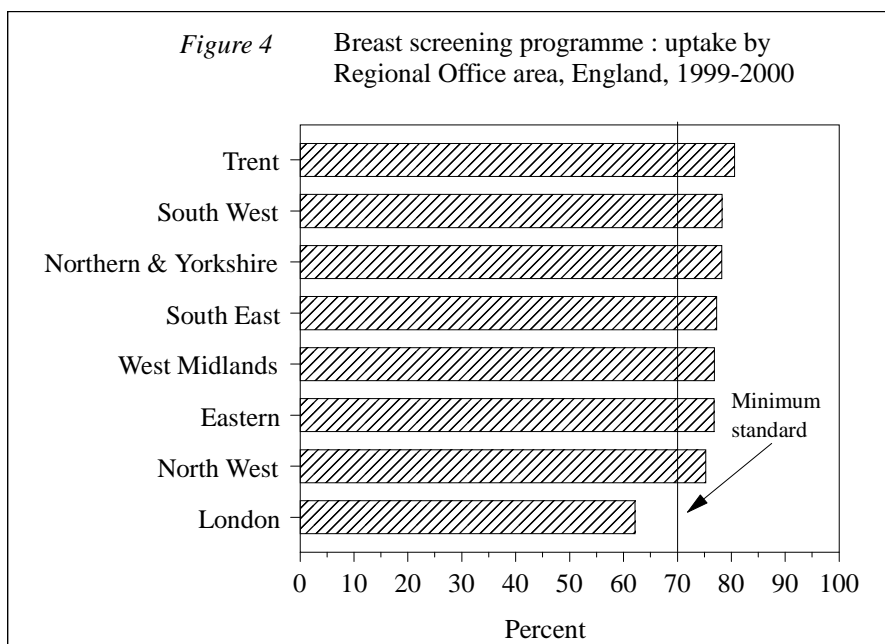
years; only 14% of women in this age group were reported as never having been screened (Figure 3).

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

**2.3.1** Over 1.5 million women in the target age group were invited for screening in 1999-2000. For about 23% 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 60% it was a routine recall. About 0.27% of invitations were early recalls: women whose screening outcome indicated that monitoring at less than the routine 3-year screening interval was desirable.

**2.3.2** Overall, 75.6% of target age group women invited in 1999-2000 were screened. Regionally, the percentage uptake ranged from under 70% in the London RO to over 80% in





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 8.1% of women in the prevalent round were referred for assessment, compared with only 4.3% of women in the incident round. For women in the prevalent round who were referred, almost 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 15 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 recommended for about 1 in 20 women referred for assessment. Of women screened and referred for assessment following a

Trent RO (Figure 4). Of the 84 screening units, 26 recorded uptake rates of 80% or over and a further 50 recorded rates between 70% and 80%.

**2.3.3** Uptake rates varied considerably according to the type of invitation. About 73% of women receiving their first invitation in 1999-2000 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 22% responded and were screened.

## 2.4 Outcome of screening (Tables 6 & 7)

**2.4.1** Over 1.3 million women were screened in 1999-2000. The vast majority were women in the target age group screened following an

invitation. In addition, some 100,000 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

*Table B*  
Breast screening programme : cancer detection rate by age and type of invitation, 1999-2000

England	rate per 1000 women screened						
	All ages 45 and over	45-49	50-54	55-59	60-64	65-69	70+
<b>Total</b>	<b>6</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>10</b>	<b>15</b>
1st invitation for routine screening	6	5	6	7	10	(29)	(0)
Routine invitation to previous non-attenders	9	.	8	9	14	(6)	(0)
Routine invitation to previous attenders (Last screen within 5 years)	5	.	4	5	6	8	(9)
Routine invitation to previous attenders (Last screen more than 5 years previously)	8	.	5	7	9	11	(38)
Early recalls	32	.	22	(32)	(49)	(61)	(42)
Self / GP referral (no previous screen)	12	(12)	7	10	9	11	22
Self / GP referral (within 5 yrs)	9	.	6	7	9	9	9
Self / GP referral (> 5 yrs)	15	.	(0)	(8)	(9)	13	18

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

. not applicable (see Table 5)

Source : Form KC62

previous recommendation for early recall, almost 6% were again recommended for early recall.

## **2.5 Cancers detected (Tables 8, 9 & 10)**

**2.5.1** A total of 8,215 cancers (including invasive and in situ) were detected by the screening programme in 1999-2000, a rate of 6.2 per 1,000 women screened. Overall the rate was slightly higher than in 1998-99, but whereas in the incident round the rate increased from 5.2 to 5.4 cases per 1000 women screened, in the prevalent round the rate fell slightly from 6.2 to 6.1. 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 (4.3 per 1,000) for women aged 45-49 and was higher for each older age group, reaching 7.1 per 1,000 for women aged 60-64. The rate for women aged 65 or over was much higher (10.8 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 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 1,758 (21%) were non-invasive or micro-invasive and a further 3,488 (42%) were small ie 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 70% 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:

Press Office  
Department of Health  
Richmond House  
79 Whitehall  
London,  
SW1A 2NS

Tel : 020 7210 5221

Enquiries about data in this bulletin should be addressed to:

Lesz Lancucki  
Statistics Division 2B  
Department of Health  
Room 438B  
Skipton House  
80 London Road  
London, SE1 6LH

Tel: 020 7972 5533  
Fax: 020 7972 5662

E-mail:  
Lesz.lancucki@doh.gsi.gov.uk

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Editor: Lesz Lancucki

Editorial staff:

Diane Sheerman-Chase  
Sarah Wise

March 2001

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Table 1

Breast screening programme : test status of women  
and coverage by age, 31 March 2000

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) (%)
<b>50-64</b>	<b>4,327.6</b>	<b>7.8</b>	<b>2,994.7</b>	<b>69.3</b>
45-49	1,598.4	0.3	41.8	2.6
50-54	1,715.5	1.5	1,025.0	59.8
55-59	1,373.9	2.9	1,045.9	76.3
60-64	1,238.2	3.5	923.9	74.8
65 and over	4,615.5	6.4	462.8	10.0

Source : Form KC63

Table 2

Breast screening programme : test status and coverage  
of target age group (50-64) by region, 31 March 2000

				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) (%)
<b>England</b>	<b>4,327.6</b>	<b>7.8</b>	<b>2,994.7</b>	<b>69.3</b>
Northern & Yorkshire	555.1	0.9	388.5	70.1
Trent	457.2	1.8	325.1	71.4
Eastern	484.7	0.7	340.5	70.3
London	549.1	0.7	319.1	58.2
South East	770.9	1.1	549.7	71.4
South West	462.2	0.7	337.2	73.1
West Midlands	471.1	1.2	338.4	72.0
North West	577.3	0.7	396.2	68.7

Source : Form KC63

Table 2a

Breast screening programme : women screened by age, region and time since last screen, 1999-2000

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	
<b>50-64</b>	<b>England</b>	<b>69</b>	<b>1</b>	<b>2</b>	<b>2</b>	<b>3</b>	<b>23</b>
	Northern & Yorkshire	70	1	3	1	3	22
	Trent	71	2	2	1	3	20
	Eastern	71	2	2	1	3	22
	London	58	1	2	2	4	33
	South East	71	2	2	2	3	21
	South West	73	1	1	1	3	20
	West Midlands	72	1	1	1	3	21
	North West	69	2	2	2	3	23
<b>50-54</b>	<b>England</b>	<b>60</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>38</b>
	Northern & Yorkshire	61	1	1	0	0	37
	Trent	61	1	1	0	0	36
	Eastern	61	1	1	0	0	37
	London	49	1	1	0	0	48
	South East	62	1	1	0	0	36
	South West	63	1	1	0	0	35
	West Midlands	62	1	1	0	0	36
	North West	60	1	1	0	0	38
<b>55-59</b>	<b>England</b>	<b>76</b>	<b>2</b>	<b>3</b>	<b>2</b>	<b>4</b>	<b>14</b>
	Northern & Yorkshire	77	1	3	2	4	12
	Trent	78	3	3	2	4	11
	Eastern	78	2	3	2	3	12
	London	65	2	3	3	4	23
	South East	80	1	2	2	4	11
	South West	76	3	3	2	4	12
	West Midlands	79	1	2	2	3	13
	North West	75	2	3	3	4	15
<b>60-64</b>	<b>England</b>	<b>75</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>6</b>	<b>13</b>
	Northern & Yorkshire	75	2	3	2	6	12
	Trent	77	3	3	2	6	10
	Eastern	77	2	2	2	6	12
	London	63	2	3	3	7	22
	South East	78	2	2	2	6	11
	South West	79	1	2	2	6	10
	West Midlands	76	1	2	2	6	12
	North West	73	2	3	3	6	13

Source : Form KC63 Part B

Table 3 Breast screening programme : estimated uptake of invitations to screen <sup>(1)</sup>  
by women aged 50-64 by region, 1995-96 to 1999-2000

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

<sup>(1)</sup> 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, 1999-2000

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 <sup>(1)</sup>
	<b>England</b>	<b>73.0</b>	<b>22.2</b>	<b>89.2</b>	<b>53.8</b>	<b>97.2</b>	<b>84.8</b>	<b>75.5</b>
Northern & Yorkshire	77.5	19.3	90.6	48.8	95.4	87.5	78.2	77.9
Trent	79.2	22.3	91.7	50.7	95.2	87.9	80.6	81.4
Eastern	75.0	24.7	89.3	60.9	94.7	85.4	76.8	76.8
London	57.3	20.0	83.3	47.4	97.9	74.6	62.0	62.1
South East	73.6	26.3	89.5	54.9	97.2	85.3	77.2	77.3
South West	76.4	23.7	89.7	63.0	99.0	86.1	78.2	78.3
West Midlands	74.0	21.1	89.8	51.1	99.2	85.7	76.8	76.9
North West	74.7	20.8	89.0	50.6	99.3	85.1	75.2	75.3

<sup>(1)</sup> 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, 1999-2000

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
<b>Numbers</b>								
<b>Total number of women invited</b>	<b>1,616,177</b>	<b>1,515,249</b>	<b>68,527</b>	<b>613,315</b>	<b>486,826</b>	<b>415,108</b>	<b>31,619</b>	<b>782</b>
1st invitation for routine screening	389,342	342,235	46,487	322,335	11,363	8,537	574	46
Routine invitation to previous non-attenders	188,797	180,801	3,053	59,288	68,682	52,813	4,876	67
Routine invitation to previous attenders (Last screen within 5 years)	941,650	902,628	18,197	223,480	368,574	310,574	20,430	395
Routine invitation to previous attenders (Last screen more than 5 years previously)	91,775	85,566	732	5,997	37,216	42,353	5,378	99
Early recalls	4,613	4,019	58	2,215	991	813	361	175
<b>Uptake (percentage screened of women invited)</b>								
<b>Total</b>	<b>75.4</b>	<b>75.6</b>	<b>72.9</b>	<b>76.0</b>	<b>76.0</b>	<b>74.5</b>	<b>71.8</b>	<b>79.7</b>
1st invitation for routine screening	73.2	73.0	74.7	75.3	37.6	34.2	36.2	39.1
Routine invitation to previous non-attenders	21.7	22.2	7.3	33.4	20.0	12.4	13.2	26.9
Routine invitation to previous attenders (Last screen within 5 years)	89.0	89.2	81.3	88.3	89.5	89.5	88.3	86.3
Routine invitation to previous attenders (Last screen more than 5 years previously)	54.3	53.8	24.7	70.6	56.2	49.4	64.6	79.8
Early recalls	97.0	97.2	94.8	98.1	96.3	95.9	95.6	95.4

Source : Form KC62

Table 5 Breast screening programme : number of women screened by age and type of invitation, 1999-2000

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	
<b>Total</b>	<b>1,322.9</b>	<b>1,175.8</b>	<b>50.6</b>	<b>476.9</b>	<b>379.4</b>	<b>319.5</b>	<b>71.7</b>	<b>24.7</b>	
1st invitation for routine screening	284.9	250.0	34.7	242.8	4.3	2.9	0.2	0.0	
Routine invitation to previous non-attenders	40.9	40.1	. (1)	19.8	13.7	6.6	0.6	0.0	
Routine invitation to previous attenders (Last screen within 5 years)	838.5	805.3	. (1)	197.4	329.9	278.0	18.0	0.3	
Routine invitation to previous attenders (Last screen more than 5 years previously)	49.8	46.1	. (1)	4.2	20.9	20.9	3.5	0.1	
Early recalls	4.5	3.9	. (1)	2.2	1.0	0.8	0.3	0.2	
Self / GP referral (no previous screen)	21.3	13.3	0.3	7.7	3.2	2.3	2.3	5.5	
Self / GP referral (within 5 yrs)	68.9	15.6	. (1)	2.8	5.6	7.2	40.5	12.4	
Self / GP referral (> 5 yrs)	14.1	1.7	. (1)	0.0	0.7	0.9	6.2	6.2	

(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, 1999-2000

England

Type of invitation	Number of women screened	Referred for assessment <sup>(1)</sup>		Referred for cytology and/or core biopsy <sup>(2)</sup> (number)	Referred for open biopsy (number)	Early Recall <sup>(3)</sup>	
		(number)	%			(number)	%
<b>Total</b>	<b>1,322,891</b>	<b>69,879</b>	<b>5.3</b>	<b>20,158</b>	<b>2,994</b>	<b>3,927</b>	<b>0.3</b>
1st invitation for routine screening	284,898	23,201	8.1	7,313	1,063	1,588	0.6
Routine invitation to previous non-attenders	40,939	3,318	8.1	1,113	150	263	0.6
Routine invitation to previous attenders (Last screen within 5 years)	838,474	31,807	3.8	8,605	1,274	1,421	0.2
Routine invitation to previous attenders (Last screen more than 5 years previously)	49,788	2,529	5.1	781	115	159	0.3
Early recalls	4,475	3,641	81.4	479	127	206	4.6
Self / GP referral (no previous screen)	21,337	1,588	7.4	558	72	110	0.5
Self / GP referral (within 5 yrs)	68,916	3,019	4.4	994	150	138	0.2
Self / GP referral (> 5 yrs)	14,064	776	5.5	315	43	42	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 6a** Breast screening programme : women aged 50-64 screened by type of invitation and outcome, 1999-2000

England

Type of invitation	Number of women screened	Referred for assessment <sup>(1)</sup>		Referred for cytology and/or core biopsy <sup>(2)</sup> (number)	Referred for open biopsy (number)	Early Recall <sup>(3)</sup>	
		(number)	%			(number)	%
<b>Total</b>	<b>1,175,841</b>	<b>61,757</b>	<b>5.3</b>	<b>17,524</b>	<b>2,623</b>	<b>3,441</b>	<b>0.3</b>
1st invitation for routine screening	249,962	20,451	8.2	6,453	934	1,380	0.6
Routine invitation to previous non-attenders	40,054	3,265	8.2	1,100	148	256	0.6
Routine invitation to previous attenders Last screen within 5 years	805,299	30,566	3.8	8,265	1,216	1,379	0.2
Routine invitation to previous attenders Last screen more than 5 years previously	46,054	2,359	5.1	703	108	142	0.3
Early recalls	3,908	3,265	83.5	426	111	182	4.7
Self / GP referral (no previous screen)	13,255	985	7.4	318	53	63	0.5
Self / GP referral (within 5 yrs)	15,623	779	5.0	235	47	33	0.2
Self / GP referral (> 5 yrs)	1,686	87	5.2	24	6	6	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 7 Breast screening programme : women screened by age, region and outcome, 1999-2000

England								
Age	Regional Office area	Number of women screened	Referred <sup>(1)</sup> for assessment		Referred <sup>(2)</sup> for cytology and/or core biopsy (number)	Referred for open biopsy (number)	Early Recall <sup>(3)</sup>	
			(number)	%			(number)	%
<b>45 &amp; over</b>	<b>England</b>	<b>1,322,891</b>	<b>69,879</b>	<b>5.3</b>	<b>20,158</b>	<b>2,994</b>	<b>3,927</b>	<b>0.3</b>
	Northern & Yorkshire	186,175	8,735	4.7	3,198	472	465	0.2
	Trent	140,049	6,107	4.4	2,011	232	146	0.1
	Eastern	142,947	7,132	5.0	2,494	341	470	0.3
	London	139,687	7,929	5.7	2,316	291	529	0.4
	South East	243,147	14,861	6.1	3,924	461	885	0.4
	South West	161,651	9,926	6.1	2,403	448	695	0.4
	West Midlands	143,064	5,391	3.8	1,513	247	140	0.1
	North West	166,171	9,798	5.9	2,299	502	597	0.4
<b>50-64</b>	<b>England</b>	<b>1,175,841</b>	<b>61,757</b>	<b>5.3</b>	<b>17,524</b>	<b>2,623</b>	<b>3,441</b>	<b>0.3</b>
	Northern & Yorkshire	164,666	7,673	4.7	2,786	404	400	0.2
	Trent	123,209	5,402	4.4	1,752	208	129	0.1
	Eastern	127,940	6,370	5.0	2,181	308	414	0.3
	London	126,387	7,029	5.6	2,025	261	472	0.4
	South East	210,573	12,962	6.2	3,328	391	753	0.4
	South West	142,604	8,710	6.1	2,076	388	608	0.4
	West Midlands	131,467	4,879	3.7	1,363	224	125	0.1
	North West	148,995	8,732	5.9	2,013	439	540	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 7a Breast screening programme : women screened by age and outcome, 1999-2000

England								
Age	Number of women screened	Referred <sup>(1)</sup> for assessment		Referred <sup>(2)</sup> for cytology and/or core biopsy (number)	Referred for open biopsy (number)	Early Recall <sup>(3)</sup>		
		(number)	%			(number)	%	
<b>Total</b>	<b>1,322,891</b>	<b>69,879</b>	<b>5.3</b>	<b>20,158</b>	<b>2,994</b>	<b>3,927</b>	<b>0.3</b>	
<b>50-64</b>	<b>1,175,841</b>	<b>61,757</b>	<b>5.3</b>	<b>17,524</b>	<b>2,623</b>	<b>3,441</b>	<b>0.3</b>	
45-49	50,616	3,379	6.7	959	151	234	0.5	
50-54	476,935	32,455	6.8	9,054	1,377	1,961	0.4	
55-59	379,396	16,421	4.3	4,499	678	857	0.2	
60-64	319,510	12,881	4.0	3,971	568	623	0.2	
65-69	71,709	3,296	4.6	1,116	158	174	0.2	
70 & over	24,725	1,147	5.9	559	62	78	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, 1999-2000

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)
<b>Total</b>	<b>1,322.9</b>	<b>8,215</b>	<b>1,758</b>	<b>3,488</b>	<b>6.2</b>	<b>1.3</b>	<b>2.6</b>
1st invitation	284.9	1,734	450	671	6.1	1.6	2.4
1st screen - previous non responder	40.9	367	66	138	9.0	1.6	3.4
Routine rescreen (within 5 yrs)	838.5	4,512	914	1,984	5.4	1.1	2.4
Routine rescreen (>5 yrs)	49.8	406	99	168	8.2	2.0	3.4
Early recall	4.5	144	50	64	32.2	11.2	14.3
Self / GP referral (no previous screen)	21.3	256	43	98	12.0	2.0	4.6
Self / GP referral (within 5 yrs)	68.9	588	97	274	8.5	1.4	4.0
Self / GP referral (>5 yrs)	14.1	208	39	91	14.8	2.8	6.5

Source : Form KC62

Table 8a Breast screening programme : women aged 50-64 screened and cancers detected by type of invitation, 1999-2000

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)
<b>Total</b>	<b>1,175.8</b>	<b>6,955</b>	<b>1,537</b>	<b>2,945</b>	<b>5.9</b>	<b>1.3</b>	<b>2.5</b>
1st invitation	250.0	1,538	407	596	6.2	1.6	2.4
1st screen - previous non responder	40.1	362	65	135	9.0	1.6	3.4
Routine rescreen (within 5 yrs)	805.3	4,336	886	1,899	5.4	1.1	2.4
Routine rescreen (>5 yrs)	46.1	365	89	148	7.9	1.9	3.2
Early recall	3.9	116	44	49	29.7	11.3	12.5
Self / GP referral (no previous screen)	13.3	104	23	46	7.8	1.7	3.5
Self / GP referral (within 5 yrs)	15.6	121	19	64	7.7	1.2	4.1
Self / GP referral (>5 yrs)	1.7	13	4	8	7.7	2.4	4.7

Source : Form KC62

Table 9 Breast screening programme : women screened and cancers detected by age and region, 1999-2000

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)
<b>45 &amp; over</b>	<b>England</b>	<b>1,322.9</b>	<b>8,215</b>	<b>1,758</b>	<b>3,488</b>	<b>6.2</b>	<b>1.3</b>	<b>2.6</b>
	Northern & Yorkshire	186.2	1,129	269	483	6.1	1.4	2.5
	Trent	140.0	809	172	347	5.8	1.3	2.5
	Eastern	142.9	941	202	368	6.6	1.4	2.6
	London	139.7	930	222	373	6.7	1.6	2.7
	South East	243.1	1,586	350	712	6.5	1.4	2.9
	South West	161.7	1,063	219	472	6.6	1.4	2.9
	West Midlands	143.1	770	130	301	5.4	0.9	2.1
	North West	166.2	987	194	432	5.9	1.2	2.6
<b>50-64</b>	<b>England</b>	<b>1,175.9</b>	<b>6,955</b>	<b>1,537</b>	<b>2,945</b>	<b>5.9</b>	<b>1.3</b>	<b>2.5</b>
	Northern & Yorkshire	164.7	965	240	413	5.9	1.5	2.5
	Trent	123.2	674	145	285	5.5	1.2	2.4
	Eastern	127.9	789	181	302	6.2	1.4	2.4
	London	126.4	786	191	318	6.2	1.5	2.5
	South East	210.6	1,300	304	581	6.2	1.4	2.8
	South West	142.6	894	190	401	6.3	1.3	2.8
	West Midlands	131.5	701	120	276	5.3	0.9	2.1
	North West	149.0	846	166	369	5.7	1.1	2.5

Source : Form KC62

Table 9a Breast screening programme : women screened and cancers detected by age, 1999-2000

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)	
<b>Total</b>	<b>1,322.9</b>	<b>8,215</b>	<b>1,758</b>	<b>3,488</b>	<b>6.2</b>	<b>1.3</b>	<b>2.6</b>	
<b>50-64</b>	<b>1,175.8</b>	<b>6,955</b>	<b>1,537</b>	<b>2,945</b>	<b>5.9</b>	<b>1.3</b>	<b>2.5</b>	
45-49	50.6	216	47	81	4.3	0.9	1.6	
50-54	476.9	2,552	660	996	5.4	1.4	2.1	
55-59	379.4	2,150	453	932	5.7	1.2	2.5	
60-64	319.5	2,253	424	1,017	7.1	1.3	3.2	
65-69	71.7	678	130	318	9.5	1.8	4.4	
70 & over	24.7	366	44	144	14.8	1.8	5.8	

Source : Form KC62

Table 10 Breast screening programme : women aged 45 and over, with cancer diagnosed, by size of cancer and age, 1999-2000

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
<b>All cancers</b>	<b>8,215</b>	<b>6,955</b>	<b>216</b>	<b>2,552</b>	<b>2,150</b>	<b>2,253</b>	<b>678</b>	<b>366</b>
Invasive status not known	46	32	1	8	7	17	2	11
Non-invasive or possibly micro-invasive	1,632	1,439	43	616	424	399	113	37
Definitely micro-invasive	126	98	4	44	29	25	17	7
<b>Invasive total</b>	<b>6,411</b>	<b>5,386</b>	<b>168</b>	<b>1,884</b>	<b>1,690</b>	<b>1,812</b>	<b>546</b>	<b>311</b>
Small (less than 15mm) total	3,488	2,945	81	996	932	1,017	318	144
per 1,000 women screened	2.6	2.5	1.6	2.1	2.5	3.2	4.4	5.8
as a percentage of total invasive	54	55	48	53	55	56	58	46
Less than 10mm	1,530	1,289	35	432	422	435	149	57
Greater than or equal to 10mm and less than 15mm	1,958	1,656	46	564	510	582	169	87
Greater than or equal to 15mm and less than 20mm	1,274	1,070	34	412	302	356	96	74
Greater than or equal to 20mm and less than 50mm	1,496	1,242	50	431	412	399	121	83
Greater than or equal to 50mm	88	73	3	28	24	21	9	3
Size not known	65	56	0	17	20	19	2	7

Source : Form KC62

Table 10a Breast screening programme : women aged 50-64, with cancer diagnosed, by invitation type and size of cancer, 1999-2000

England							numbers
Size of cancer	Invitation type					Early recalls	
	Target ages 50-64	1st invitation for routine screening	Routine invitation to 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		
<b>All cancers</b>	<b>6,955</b>	<b>1,538</b>	<b>362</b>	<b>4,336</b>	<b>365</b>	<b>116</b>	
Invasive status not known	32	7	1	16	4	2	
Non-invasive or possibly micro-invasive	1,439	386	62	827	82	42	
Definitely micro-invasive	98	21	3	59	7	2	
<b>Invasive total</b>	<b>5,386</b>	<b>1,124</b>	<b>296</b>	<b>3,434</b>	<b>272</b>	<b>70</b>	
Small (less than 15mm) total	2,945	596	135	1,899	148	49	
per 1,000 women screened	2.5	2.4	3.4	2.4	3.2	12.5	
as a percentage of total invasive	55	53	46	55	54	70	
Less than 10mm	1,289	256	59	830	67	26	
Greater than or equal to 10mm and less than 15mm	1,656	340	76	1,069	81	23	
Greater than or equal to 15mm and less than 20mm	1,070	246	63	668	58	9	
Greater than or equal to 20mm and less than 50mm	1,242	257	84	789	59	11	
Greater than or equal to 50mm	73	16	5	47	2	0	
Size not known	56	9	9	31	5	1	

Source : Form KC62

Table 11 Breast screening programme : coverage of the target age group (50-64) by health authority at 31 March, 1996-2000

Health Authority Code	Health Authority Name	1996		1997		1998		1999		2000	
		Eligible <sup>(1)</sup> Population (thousands)	Coverage (less than 3 yrs since last test) (%)	Eligible <sup>(1)</sup> Population (thousands)	Coverage (less than 3 yrs since last test) (%)	Eligible <sup>(1)</sup> Population (thousands)	Coverage (less than 3 yrs since last test) (%)	Eligible <sup>(1)</sup> Population (thousands)	Coverage (less than 3 yrs since last test) (%)	Eligible <sup>(1)</sup> Population (thousands)	Coverage (less than 3 yrs since last test) (%)
<b>England</b>		<b>3,860.6</b>	<b>65.4</b>	<b>4,025.5</b>	<b>65.6</b>	<b>4,158.3</b>	<b>66.4</b>	<b>4,226.6</b> <sup>(3)</sup>	<b>67.7</b> <sup>(3)</sup>	<b>4,319.8</b>	<b>69.3</b>
Northern & Yorkshire		503.4	68.9	520.5	67.3	536.5	67.2	545.7	67.0	554.2	70.1
QDD	Bradford	35.2	58.8	35.9	59.3	36.6	65.4	37.1	66.1	37.1	69.6
QDE	County Durham	50.7	70.2	52.2	68.0	53.6	69.2	54.4	69.8	55.2	71.1
QDF	East Riding	41.8	69.2	46.6	69.4	48.8	63.9	50.0	53.3	51.3	59.2
QDG	Gateshead & South Tyneside	29.7	70.9	29.9	72.8	30.3	70.2	30.3	72.6	30.7	73.9
QDH	Leeds	54.5	63.6	55.9	59.6	57.2	62.3	58.2	63.5	58.4	66.2
QDJ	Newcastle & North Tyneside	35.6	73.3	36.1	70.4	37.5	68.2	36.8	71.8	37.3	74.2
QDK	North Cumbria	27.3	71.4	28.0	64.8	28.9	61.1	29.6	55.8	30.2	56.5
QDM	Northumberland	27.1	77.0	27.9	79.3	28.9	74.8	29.8	74.6	30.5	81.2
QDN	Sunderland	23.3	67.9	23.8	69.9	24.2	74.1	24.6	73.1	24.8	74.4
QDP	Tees	44.6	69.1	45.4	67.2	46.4	66.2	47.1	68.7	47.7	72.8
QDQ	Wakefield	25.7	66.5	26.6	68.9	27.3	68.0	27.8	68.7	28.4	70.6
QDR	North Yorkshire	62.8	74.3	65.5	71.7	68.4	70.8	70.6	69.1	72.1	75.3
QDT	Calderdale & Kirklees	45.2	64.6	46.8	59.6	48.5	63.8	49.4	69.0	50.5	68.5
Trent		400.8	70.2	418.1	70.8	436.9	69.5	446.4	69.9	455.4	71.4
QCG	Barnsley	18.6	78.3	19.1	76.4	19.5	75.9	19.8	75.6	20.0	75.1
QCH	North Derbyshire <sup>(2)</sup>	28.8	62.3	28.8	62.3	34.5	56.2	35.4	60.9	36.1	62.4
QCJ	South Derbyshire	36.4	71.5	45.3	75.2	46.8	75.0	47.9	74.5	48.8	76.4
QCK	Doncaster	23.6	70.5	24.2	66.1	24.9	68.3	25.3	71.1	25.6	75.5
QCL	Leicestershire	70.3	67.8	72.5	70.3	74.8	70.4	76.6	67.7	78.7	70.8
QCM	Lincolnshire	54.6	75.4	56.4	69.9	59.0	65.9	61.5	68.7	63.7	73.8
QCN	North Nottinghamshire	31.9	66.4	34.6	79.8	35.7	77.3	36.5	77.4	37.3	75.5
QCP	Nottingham	45.8	68.6	49.2	69.7	50.4	70.1	51.1	69.9	51.7	72.7
QCQ	Rotherham	20.8	70.7	21.4	63.8	22.2	66.0	22.5	73.9	22.9	75.3
QCR	Sheffield	40.1	72.8	40.7	73.7	41.8	74.1	42.2	73.8	42.5	73.7
QDL	South Humber	29.7	69.6	25.9	67.4	27.2	63.8	27.5	56.8	28.0	49.4
Eastern		304.4	65.6	317.9	65.8	330.2	68.9	339.3	70.3	484.1	70.3
QA6	Bedfordshire	42.2	65.7	43.7	59.7	45.2	63.3	46.0	70.2	46.9	67.6
QAX	North Essex	72.2	68.6	75.7	66.3	79.5	70.4	82.1	72.6	84.0	72.2
QAY	South Essex	56.9	65.4	59.1	64.0	61.4	65.7	63.2	67.1	64.6	65.7
QCF	Suffolk	53.0	69.0	55.4	74.9	58.0	72.6	60.0	70.6	61.7	75.5
QEP	East & North Hertfordshire	39.4	63.1	41.8	64.2	43.0	66.2	43.7	65.1	44.1	70.6
QEQ	West Hertfordshire	40.8	56.2	42.1	59.1	43.1	69.3	44.3	65.6	45.1	65.0
QER	Cambridge <sup>(4)</sup>	-	-	-	-	-	-	-	-	60.1	70.9
QET	Norfolk <sup>(4)</sup>	-	-	-	-	-	-	-	-	77.6	72.3
QCA	East Norfolk <sup>(5)</sup>	52.8	65.3	55.3	65.4	57.6	70.5	59.2	73.3	-	-
QCD	North West Anglia <sup>(5)</sup>	19.1	68.2	34.6	69.6	36.1	74.6	36.8	71.7	-	-
QA9	Cambridge & Huntingdon <sup>(5)</sup>	32.3	67.9	33.9	68.4	36.1	66.0	36.9	75.8	-	-
London		521.4	50.6	530.6	53.3	539.7	56.0	545.7	57.2	548.3	58.2
QA2	Hillingdon	18.4	55.6	18.6	56.1	19.1	61.2	19.5	61.6	19.6	62.9
QA3	Kensington Chelsea & Westminster	24.5	32.7	24.5	36.6	25.4	39.3	26.0	41.5	26.1	41.8
QA4	Enfield & Haringey	38.8	53.5	39.2	57.3	39.7	59.3	39.6	56.1	39.8	57.8
QA5	Redbridge & Waltham Forest	33.1	57.1	34.2	61.8	35.2	60.9	35.3	61.6	35.6	63.3
QAA	Bexley & Greenwich	33.0	54.3	33.8	57.1	34.7	62.2	35.3	64.7	35.6	62.2
QAC	Bromley	23.3	66.7	25.9	64.7	26.6	65.5	27.0	65.8	27.3	68.3
QAD	Croydon	25.4	51.1	26.0	60.0	26.7	59.9	27.0	61.5	27.1	63.8
QAG	Kingston & Richmond	23.0	59.0	23.8	56.9	24.6	59.8	25.7	62.8	26.1	61.3
QAH	Lambeth Southwark & Lewisham	50.1	46.5	50.0	46.1	49.7	49.9	49.5	55.5	48.9	55.3
QAJ	Merton Sutton & Wandsworth	44.5	47.7	45.4	52.1	46.2	58.7	46.7	57.6	46.8	59.4
QAP	Barking & Havering	30.1	64.3	30.7	66.7	31.2	68.0	32.2	68.5	32.4	69.8
QAQ	Barnet	24.3	42.8	24.7	56.2	25.3	55.8	26.0	56.2	26.4	58.8
QAR	Brent & Harrow	38.1	53.3	38.2	57.7	39.0	58.1	39.2	58.3	39.6	58.2
QAT	Camden & Islington	27.0	42.4	27.4	41.1	27.6	40.6	27.8	43.5	27.5	45.7
QAV	Ealing Hammersmith & Hounslow	49.7	44.0	50.2	44.1	50.8	51.6	50.7	53.7	51.0	55.5
QAW	East London & The City	38.1	47.7	38.0	47.2	37.9	48.4	38.2	48.8	38.4	50.2

continued

Table 11 Breast screening programme : coverage of the target age group (50-64) by health authority at 31 March, 1996 to 2000

Health Authority Code	Health Authority Name	1996		1997		1998		1999		2000	
		Eligible <sup>(1)</sup> Population (thousands)	Coverage (less than 3 yrs since last test) (%)	Eligible <sup>(1)</sup> Population (thousands)	Coverage (less than 3 yrs since last test) (%)	Eligible <sup>(1)</sup> Population (thousands)	Coverage (less than 3 yrs since last test) (%)	Eligible <sup>(1)</sup> Population (thousands)	Coverage (less than 3 yrs since last test) (%)	Eligible <sup>(1)</sup> Population (thousands)	Coverage (less than 3 yrs since last test) (%)
<b>England</b>		<b>3,860.6</b>	<b>65.4</b>	<b>4,025.5</b>	<b>65.6</b>	<b>4,158.3</b>	<b>66.4</b>	<b>4,226.6</b>	<b>67.7</b>	<b>4,319.8</b>	<b>69.3</b>
South East		674.6	67.8	707.3	67.3	734.3	69.2	753.9	70.8	769.7	71.4
QA7	Berkshire	58.3	71.8	60.4	70.7	62.5	71.2	64.3	71.4	65.3	70.5
QA8	Buckinghamshire	48.8	78.4	55.0	77.3	57.4	77.3	59.1	77.2	60.4	76.9
QAE	East Kent	47.7	66.6	49.5	67.1	51.8	65.8	53.4	68.7	55.0	69.1
QAF	West Kent	79.4	65.4	82.5	64.7	85.6	70.4	88.1	68.8	89.8	66.5
QAK	East Surrey	36.1	62.2	37.3	63.5	38.4	64.5	39.1	68.0	40.0	67.0
QAL	West Surrey	53.9	64.7	55.4	60.5	56.8	63.5	57.3	69.3	57.7	70.9
QAM	East Sussex Brighton & Hove	58.2	69.5	60.8	70.1	63.4	71.4	65.1	72.5	66.6	72.6
QAN	West Sussex	62.1	58.6	64.8	62.1	67.2	66.8	69.0	70.0	70.7	71.1
QCC	Northamptonshire	45.0	75.5	48.6	75.0	51.0	73.6	52.9	74.2	54.6	75.0
QCE	Oxfordshire	45.6	67.6	47.4	66.8	49.1	66.1	50.4	68.1	51.6	73.7
QD1	North & Mid Hampshire	46.7	66.0	44.7	63.4	46.7	66.0	48.1	69.0	49.0	71.5
QD2	Portsmouth & South East Hampshire	43.2	68.2	44.7	66.8	46.0	68.3	47.1	70.6	47.9	71.8
QD3	Southampton & South West Hampshire	37.7	69.8	44.0	66.0	45.7	70.1	46.8	71.4	47.7	72.5
QD4	Isle of Wight	11.8	67.9	12.2	70.2	12.8	73.9	13.2	75.6	13.6	75.9
South West		400.8	68.3	419.1	67.2	435.5	65.7	429.7	68.4	461.5	73.1
QD5	Somerset	36.3	70.8	42.5	66.0	44.5	70.1	46.2	72.4	47.7	75.6
QD6	South & West Devon	49.4	58.9	51.6	63.2	53.7	58.3	55.1	66.2	56.5	74.1
QD7	Wiltshire	61.5	66.6	48.7	71.5	50.7	69.8	32.1	70.8	53.6	71.6
QD8	Avon	65.8	71.4	78.9	67.2	81.1	65.2	83.7	68.8	85.2	71.1
QDV	Cornwall & Isles of Scilly	43.8	70.1	45.9	68.2	48.2	63.8	50.5	64.2	52.1	71.7
QDW	Dorset	58.6	69.1	61.1	70.3	63.3	69.6	65.0	71.6	66.7	73.5
QDX	North & East Devon	39.7	69.0	43.0	61.8	44.9	60.7	46.5	62.8	48.1	74.4
QDY	Gloucestershire	45.8	70.6	47.5	68.5	49.2	67.3	50.5	70.0	51.6	73.9
West Midlands		433.8	66.0	444.7	67.9	455.3	69.1	463.4	70.3	469.9	72.0
QD9	Birmingham	72.2	60.6	72.5	60.5	72.9	63.1	73.6	64.1	74.1	65.4
QEA	Coventry	23.3	61.9	23.6	70.3	23.9	71.4	23.9	72.3	23.9	72.2
QEC	Dudley	27.1	58.5	27.6	65.0	28.2	68.9	28.6	67.6	28.8	70.5
QED	Herefordshire	14.6	76.4	15.2	76.7	15.8	72.5	16.3	74.0	16.7	73.6
QEE	Sandwell	23.6	65.6	23.6	66.6	23.6	65.0	23.7	67.9	23.5	68.5
QEF	Shropshire	36.0	72.1	37.5	70.7	39.1	68.5	40.6	71.7	41.7	75.2
QEG	Solihull	18.3	66.3	18.9	67.3	19.4	67.0	19.9	69.8	20.2	72.6
QEH	North Staffordshire	37.5	63.7	39.0	66.8	40.0	68.0	40.7	69.3	41.2	70.8
QEJ	South Staffordshire	50.4	69.6	52.5	69.9	54.4	71.3	55.6	74.1	56.9	76.6
QEK	Walsall	22.4	67.5	22.7	71.3	22.8	71.1	22.8	71.1	22.9	70.7
QEL	Warwickshire	43.1	66.4	44.7	65.4	46.3	72.1	47.4	73.4	48.3	74.8
QEM	Wolverhampton	19.2	59.4	19.2	65.6	19.4	63.8	19.5	64.3	19.5	67.4
QEN	Worcestershire	45.9	72.9	47.7	76.0	49.6	75.5	50.7	74.9	52.1	76.2
North West		517.2	66.7	543.5	66.7	560.1	66.2	568.9	67.4	576.6	68.7
QC1	South Lancashire	25.3	68.9	27.4	64.9	28.8	69.6	29.7	67.8	30.2	70.4
QC2	Liverpool	34.9	58.3	35.1	61.5	35.2	63.0	35.4	59.9	35.5	66.3
QC3	Manchester	27.7	60.7	27.6	59.8	27.6	58.3	27.5	59.1	27.5	58.7
QC4	Morecambe Bay	25.0	67.5	26.6	63.1	27.5	61.3	28.3	64.3	28.9	59.3
QC5	St Helen's & Knowsley	27.5	61.5	28.0	63.6	28.4	66.8	28.8	67.1	29.0	67.7
QC6	Salford & Trafford	35.3	69.7	36.0	67.3	36.8	66.9	37.0	64.6	37.2	67.7
QC7	Sefton	25.7	65.3	26.1	64.5	26.5	61.8	26.7	61.0	26.7	68.7
QC8	Stockport	24.2	71.9	25.0	71.4	25.8	67.9	26.2	69.5	26.5	71.9
QC9	West Pennine	36.4	72.3	38.0	65.6	39.4	68.5	39.8	70.1	40.9	69.7
QCT	Bury & Rochdale	31.3	55.8	31.7	63.1	32.7	63.5	33.2	67.4	33.9	66.6
QCV	North Cheshire	26.6	61.4	27.7	65.2	28.8	67.1	29.4	68.6	29.9	68.4
QCW	South Cheshire	54.3	74.2	58.4	71.8	60.6	73.7	62.0	74.3	63.0	75.3
QCX	East Lancashire	31.4	64.6	40.0	67.8	42.3	65.4	43.3	66.0	43.9	67.7
QCY	North West Lancashire	35.8	67.4	39.9	69.8	41.2	65.8	41.8	68.6	42.1	70.7
QDA	Wigan & Bolton	46.0	70.2	47.6	69.0	49.6	63.1	50.4	69.3	51.6	69.0
QDC	Wirral	29.8	69.9	28.4	70.9	29.0	70.0	29.4	72.0	29.9	73.2

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

Source : Form KC63

<sup>(1)</sup> Resident population less than those women recorded as ineligible

<sup>(2)</sup> 1996 data used for March 1997 entry

<sup>(3)</sup> Revised Data

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

<sup>(5)</sup> Norfolk (QET) replaces East Norfolk (QCA) and part of North West Anglia (QCD)

Table 12 Breast screening programme : estimated uptake of invitation to screen, by women aged 50-64 by unit, 1995-96 to 1999-2000 <sup>(1)</sup>

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

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

(2) All percentages are shown rounded to the nearest whole number; the difference between 1998-99 and 1999-2000 uptake is calculated using the exact percentages for those years and then rounded

(3) Data amended February 2002

Table 12 cont. Breast screening programme : estimated uptake of invitation to screen, by women aged 50-64 by unit, 1995-96 to 1999-2000 (1)

England						percentages
Unit	1995-96	1996-97	1997-98	1998-99	1999-2000	Change <sup>(2)</sup>
						1998-99 to 1999-2000
<b>South East</b>						
Aylesbury	79	78	80	82	79	-3
Basingstoke	79	77	82	78	77	0
Canterbury & Kent	81	79	78	78	77	-1
East Berkshire	78	75	79	79	74	-5
East Sussex (Brighton)	78	80	79	77	77	0
Guildford	76	72	76	78	73	-6
Isle of Wight	81	82	82	82	81	-2
Kettering	80	80	79	81	81	-1
Milton Keynes	76	81	77	82	74	-9
Northampton	77	78	77	79	78	0
Oxford	78	79	79	80	79	-1
Portsmouth	75	79	79	76	78	+2
Southampton (Salisbury)	79	78	81	79	79	0
West Berkshire	80	79	82	80	78	-2
Winchester	88	85	77	79	79	0
Worthing	74	73	76	78	78	0
Wycombe	82	82	83	80	82	+2
<b>South West</b>						
Avon	79	79	76	79	77	-2
Cornwall	80	78	79	78	78	0
Dorset	78	78	79	80	78	-2
East Devon	80	78	77	79	79	0
Gloucester	78	76	77	80	78	-2
Somerset	79	83	82	81	82	0
Swindon & Bath	80	80	79	80	79	-1
West Devon	77	77	79	80	77	-2
<b>West Midlands</b>						
City Hospital (Birmingham)	63	69	66	68	69	+1
Dudley and Wolverhampton	72	69	73	75	72	-3
Hereford and Worcester County	89	81	83	82	82	0
Mid Staffordshire	87	88	82	81	84	+3
North Staffordshire	76	75	76	76	78	+2
Shropshire	81	78	78	82	80	-2
South Birmingham	70	76	69	71	73	+1
South East Staffordshire	83	83	79	81	80	-1
Walsall and Sandwell	76	74	69	76	74	-2
Warwickshire, Solihull and Coventry	77	77	78	78	78	-1
<b>North West</b>						
Bolton, Bury & Rochdale	77	75	75	76	75	-1
Chester	82	82	79	81	82	+1
Crewe	84	83	84	83	81	-2
East Lancashire	82	79	74	75	75	0
Greater Manchester	75	73	71	75	73	-2
Liverpool	64	73	71	71	73	+3
Macclesfield	80	80	78	80	79	-1
North Lancashire	87	85	77	76	77	+1
Warrington, Halton & St Helens	77	74	77	77	75	-3
Wigan	87	85	78	79	77	-3
Wirral	80	75	76	82	76	-6

(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 1998-99 and 1999-2000 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, 1999-2000 <sup>(1)</sup>

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 <sup>(2)</sup>
<b>England</b>	<b>73.0</b>	<b>22.2</b>	<b>89.2</b>	<b>53.8</b>	<b>97.2</b>	<b>84.8</b>	<b>75.5</b>	<b>75.6</b>
Northern & Yorkshire	77.5	19.3	90.6	48.8	95.4	87.2	77.9	77.9
Cumbria	82.0	19.0	89.3	62.3	100.0	86.8	81.1	81.1
Gateshead	80.2	12.8	91.0	42.1	95.7	88.7	78.0	78.1
Humberside	77.2	19.7	89.3	51.7	100.0	85.4	76.0	76.1
Leeds	72.0	21.5	89.4	50.5	97.0	84.6	74.0	74.0
Newcastle	82.8	17.5	92.2	46.5	93.1	90.0	82.7	82.7
North Tees	79.6	19.0	92.2	49.7	92.3	89.2	80.7	80.7
North Yorkshire	78.5	22.7	93.0	54.4	98.0	89.1	81.3	81.3
Pennine	73.0	20.1	87.8	42.8	96.6	83.8	72.8	72.8
Trent	79.2	22.3	91.7	50.7	95.2	88.4	81.4	81.4
Barnsley	80.1	13.1	92.3	48.4	100.0	89.4	81.2	81.3
Boston (South Lincolnshire)	71.8	24.9	90.2	50.1	100.0	85.2	78.2	78.2
Derby City & South Derbyshire	80.9	16.1	92.5	56.0	100.0	89.4	82.6	82.6
Doncaster	75.8	21.7	91.9	51.4	100.0	87.4	82.4	82.4
Leicestershire	84.2	28.5	94.6	57.0	100.0	91.7	84.9	84.9
North Derbyshire (Chesterfield)	80.3	18.0	91.6	55.9	87.2	88.3	80.7	80.7
North Lincolnshire	77.4	24.8	90.6	42.7	94.1	87.1	80.4	80.4
North Nottinghamshire	77.0	32.5	84.5	48.7	92.3	82.7	79.9	79.9
Nottingham City	80.8	22.5	90.9	48.7	100.0	88.3	80.7	80.7
Rotherham	75.8	19.8	93.3	42.5	100.0	88.9	79.3	79.3
Sheffield	77.9	21.3	91.6	47.5	94.1	88.2	80.3	80.4
Eastern	75.0	24.7	89.3	60.9	94.7	85.4	76.8	76.8
Cambridge & Huntingdon	46.8	24.9	89.2	62.6	94.4	87.5	76.8	76.9
Chelmsford & Colchester	75.1	22.4	90.8	58.9	99.0	86.8	78.5	78.6
Epping	71.8	24.9	87.0	57.9	95.1	82.4	74.0	74.0
Great Yarmouth & Waveney	71.9	29.5	89.9	67.3	90.0	86.2	78.0	78.0
Kings Lynn	74.5	24.5	90.3	74.6	88.2	87.6	79.4	79.4
Luton & Dunstable	74.8	25.4	89.6	53.5	100.0	85.2	76.5	76.5
Norwich & Area	80.1	23.9	91.9	71.3	93.3	88.7	81.5	81.5
Peterborough	75.8	32.0	90.3	66.9	100.0	87.8	79.6	79.7
South Essex	67.3	21.3	85.6	45.1	91.2	80.9	69.2	69.4
Suffolk East	81.8	23.7	90.3	62.3	100.0	86.2	80.7	80.8
West Suffolk	79.3	28.9	90.1	76.1	100.0	85.5	79.2	79.2
London	57.3	20.0	83.3	47.4	97.9	74.6	62.0	62.1
Barking, Havering & Brentwood	69.2	20.3	87.6	52.8	100.0	82.1	71.1	71.2
Central & East London	46.1	15.1	75.1	35.6	98.0	64.8	49.6	49.7
North Middlesex	55.5	19.2	82.0	43.5	80.0	72.7	61.3	61.4
North of London (Edgware)	55.9	20.2	83.5	48.4	100.0	74.7	63.0	63.0
South East London	60.7	17.3	85.0	42.4	98.8	76.7	63.8	63.9
Wandsworth	60.0	26.9	87.3	60.6	97.1	78.0	66.2	66.4
West of London (Charing Cross)	53.6	19.3	79.7	49.0	98.7	70.8	58.3	58.4
Whipps Cross	68.9	23.7	88.7	46.2	100.0	82.7	73.2	73.2

continued

Table 13 Breast screening programme : estimated uptake of invitations to screen by women aged 50-64 by type of invitation and unit, 1999-2000<sup>(1)</sup>

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 <sup>(2)</sup>
<b>England</b>	<b>73.0</b>	<b>22.2</b>	<b>89.2</b>	<b>53.8</b>	<b>97.2</b>	<b>84.8</b>	<b>75.5</b>	<b>75.6</b>
South East	73.6	26.3	89.5	54.9	97.2	85.3	77.2	77.3
Aylesbury	77.2	17.1	88.8	32.5	100.0	86.5	78.7	78.8
Basingstoke	75.1	26.7	88.3	49.6	100.0	84.7	77.4	77.4
Canterbury & Kent	73.5	24.5	89.4	46.4	100.0	84.7	77.1	77.2
East Berkshire	68.1	23.8	88.8	52.3	100.0	82.4	73.8	73.9
East Sussex (Brighton)	71.6	21.4	89.8	60.1	93.2	85.4	77.1	77.1
Guildford	67.0	32.6	87.4	60.6	95.3	81.7	72.5	72.5
Isle of Wight	78.6	17.9	91.1	72.6	100.0	87.9	80.6	80.6
Kettering	79.8	19.2	90.8	38.6	100.0	88.0	80.4	80.5
Milton Keynes	72.6	17.6	84.4	33.8	100.0	81.7	73.5	73.6
Northampton	77.4	19.7	89.2	27.1	100.0	86.8	78.3	78.4
Oxford	75.6	24.9	90.9	61.1	100.0	87.0	79.4	79.4
Portsmouth	75.3	26.2	89.2	55.5	100.0	85.7	78.1	78.1
Southampton (Salisbury)	75.5	24.4	91.1	52.9	94.2	87.0	79.3	79.4
West Berkshire	75.4	21.0	90.1	54.6	100.0	86.4	78.0	78.1
Winchester	75.2	29.2	91.2	64.4	100.0	86.3	79.1	79.2
Worthing	74.9	34.9	91.7	59.7	91.9	86.4	77.8	77.9
Wycombe	79.7	22.1	89.7	31.2	100.0	88.1	81.9	81.9
South West	76.4	23.7	89.7	63.0	99.0	86.1	78.2	78.3
Avon	74.8	23.6	89.6	52.5	96.2	85.4	77.4	77.4
Cornwall	76.2	23.3	89.9	54.5	98.3	86.1	78.1	78.2
Dorset	74.1	19.6	90.3	59.4	97.6	86.1	77.7	77.7
East Devon	76.9	26.1	89.0	72.3	100.0	85.5	78.6	78.7
Gloucester	78.0	22.9	89.5	60.3	99.0	86.4	78.1	78.2
Somerset	78.6	23.1	92.3	64.5	97.4	88.9	81.7	81.7
Swindon & Bath	76.9	26.1	89.0	72.3	100.0	85.5	78.6	78.7
West Devon	77.9	24.0	89.2	62.3	100.0	86.3	77.3	77.4
West Midlands	74.0	21.1	89.8	51.1	99.2	85.7	76.8	76.9
City Hospital (Birmingham)	65.2	22.2	87.3	47.4	100.0	81.1	68.7	68.7
Dudley and Wolverhampton	71.9	18.0	88.1	51.3	94.7	84.3	72.0	72.0
Hereford and Worcester County	78.5	25.6	92.7	60.8	100.0	88.9	82.3	82.3
Mid Staffordshire	66.2	38.7	92.8	61.6	100.0	85.1	83.7	83.7
North Staffordshire	76.2	22.5	91.7	52.9	100.0	87.7	77.8	77.8
Shropshire	77.7	21.6	91.4	51.5	100.0	87.2	79.8	79.8
South Birmingham	71.5	18.5	85.2	49.2	100.0	81.8	72.5	72.5
South East Staffordshire	78.2	24.9	90.0	56.1	100.0	86.9	80.3	80.3
Walsall and Sandwell	71.5	19.3	88.0	39.3	100.0	84.0	74.1	74.2
Warwickshire, Solihull and Coventry	77.2	20.8	89.6	48.8	100.0	86.6	77.5	77.5
North West	74.7	20.8	89.0	50.6	99.3	85.1	75.2	75.2
Bolton, Bury & Rochdale	75.3	20.8	88.9	52.5	100.0	85.0	75.1	75.1
Chester	80.4	20.0	92.3	46.1	100.0	89.1	82.4	82.4
Crewe	79.5	18.5	91.4	50.1	100.0	88.6	80.6	80.7
East Lancashire	74.4	25.9	88.6	58.8	94.1	84.4	74.9	74.9
Liverpool	73.7	20.7	88.9	48.4	100.0	84.8	73.3	73.4
Macclesfield	77.9	19.2	90.2	47.6	100.0	87.1	79.1	79.2
Greater Manchester	72.2	19.7	87.7	45.4	100.0	83.6	73.0	73.0
North Lancashire	74.2	23.2	89.6	65.7	100.0	85.3	76.7	76.7
Warrington, Halton & St Helens	73.7	20.5	89.1	53.4	98.4	84.7	74.6	74.7
Wigan	76.1	21.7	89.5	44.1	97.3	85.6	76.6	76.6
Wirral	77.9	16.2	89.2	40.2	100.0	86.5	75.4	75.5

(1) Data amended February 2002

(2) This is the grouping used in Table 3

Source : Form KC62