

Cervical Screening Programme, England: 1997-98

This bulletin summarises information from the computerised call and recall system for cervical screening and from pathology laboratories on cervical cytology in England in 1997-98, including some information about earlier years.

KEY FACTS

At 31 March 1998:

- 85% of women aged 25-64 resident in England had been screened at least once in the previous 5 years, a similar proportion to that in each year since 1995.
- In 87 of the 100 Health Authorities the coverage was 80% or higher, this is the same number as last year; in only 1 Health Authority was the coverage less than 70%.

In 1997-98:

- 3.9 million women were screened, the majority after a formal invitation from the screening programme.
- Laboratories examined an estimated 4.4 million smears.

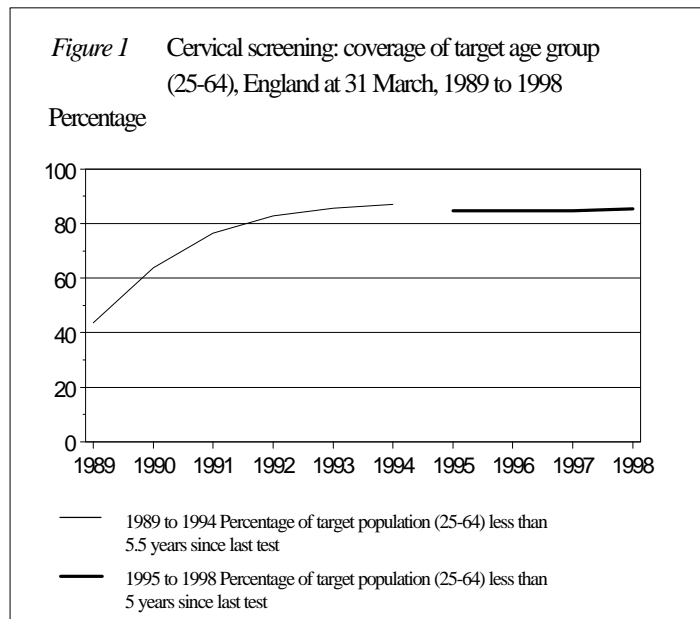
Contents	Page
Introduction	2
Analysis and Commentary-call and recall programme	3
Analysis and Commentary-cervical cytology	4
Definitions	5
Changes in data collected	6
Editorial notes	6
Index to tables	7
Reference tables	8

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1 INTRODUCTION

1.1 This is the fourth annual bulletin to be published about the cervical screening programme in England. The information for this publication is collected on two Department of Health returns. Information from the call and recall system is collected on return KC53; and information about cervical smears examined by pathology laboratories is collected on return KC61 (which includes some information about symptomatic as well as screening programme smears). Revised versions of both these returns were in use for 1997-98 (see section 5 below).

1.2 National policy for the screening programme is that eligible women should be screened every 3 to 5 years. Before 1994-95, coverage figures were based on a 5½ year period, in order to allow for delays between invitation and the actual screening test. From

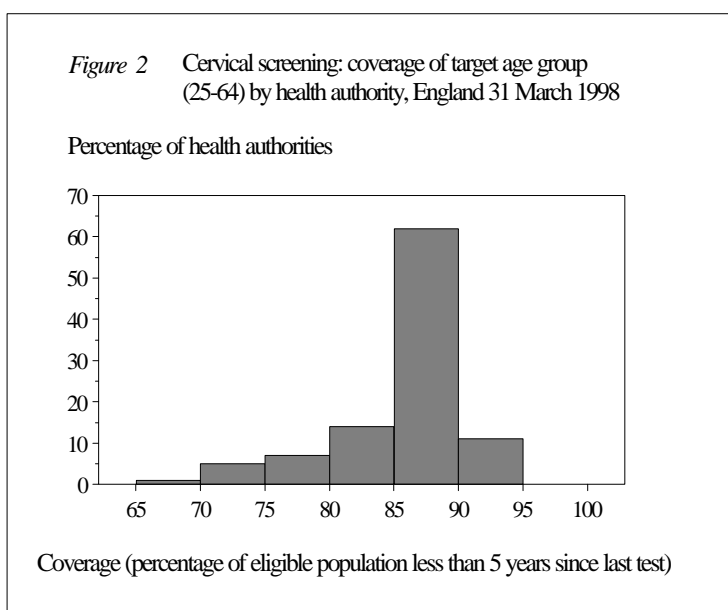


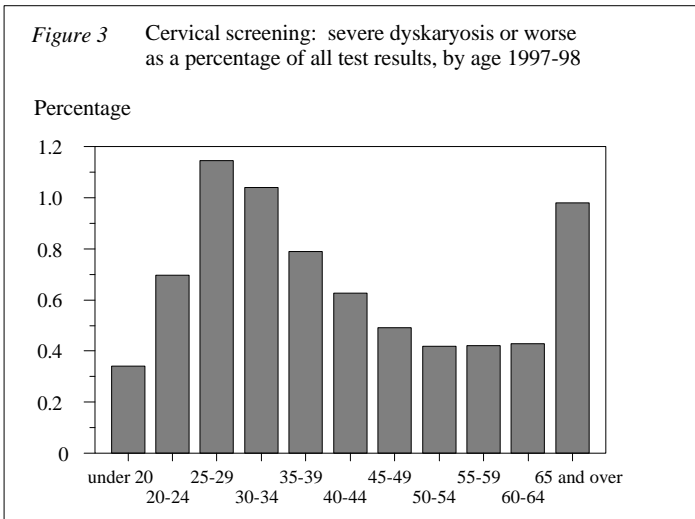
1994-95, however, coverage figures are based on a strict 5 year period. The target age group for invitations to screening is 20-64; since many women are not invited immediately they reach their 20th birthday, inclusion of the 20-24 age group gives a less accurate estimate of coverage of the target age group and in this bulletin the overall coverage figures from 1994-95 are based on

women aged 25-64 (the same age group as used for GP payments).

1.3 Coverage has in the past been inflated for age groups 60-64 and older, as the exclusion from the denominator target population of all women with recall ceased inadvertently excluded a large number of women with recall ceased solely on grounds of age. For the 1996-97 bulletin a first estimate was made of the number of women ceased on grounds of age, and adjusted coverage figures were published. Numbers of women recall ceased for age reasons have now, for the first time, been collected and revised estimates have been made of coverage for years 1994-95 to 1996-97. Details of the method of estimation are in paragraph 4.3 below.

1.4 In presenting laboratory statistics, data about smears from GP and NHS Community Clinics





have been used in most tables in preference to data about smears from all sources, so as to reflect more closely the results from screening programme smears.

1.5 KC53 returns were received from all 100 Health Authorities (HAs) and almost all returns were complete. KC61 returns were received from all of the 176 laboratories known to carry out cervical smear testing, but many of those received were only partially completed. Estimates have been made of the missing data (see 4.4 below).

2 ANALYSIS AND COMMENTARY - CALL AND RECALL PROGRAMME

2.1 Coverage (Tables 1, 2, 9)

2.1.1 About 85.3% of women aged 25-64 at 31 March 1998 were recorded as being less than 5 years since their last screening. This is slightly higher than the estimated coverage of 84.7% in each of the preceding three years. Figures prior to 1995 are not directly comparable, being based on a period since last test of 5.5 years and not adjusted to

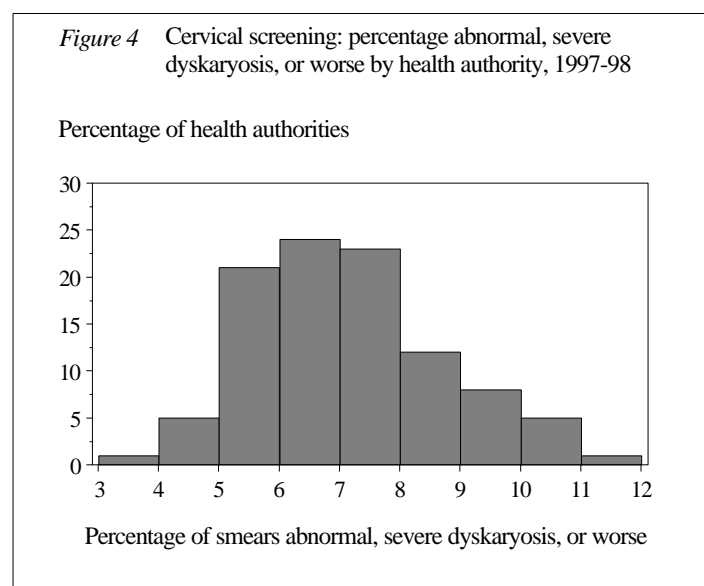
exclude women with recall ceased on grounds of age, but show that coverage has been over 80% since 1992 (Figure 1).

2.1.2 Coverage of the target age group 25-64 in 1998 varied considerably between Regional Office areas, from 79% in North Thames to 89% in Trent. At the health authority level, 72 of the 100 HAs reported coverage higher than 85%. In only 13 HAs was coverage below 80%; coverage was below 70% in only one HA. (Figure 2).

2.2 Uptake of invitations for screening (Tables 3, 4, 5, 6)

2.2.1 About 3.7 million women were invited for screening in 1997-98, 4% more than in 1996-97. For 18% of women this was their first invitation (call) and for 69% a routine recall. About 5% of invitations were early recalls for surveillance, 3% were early recalls following persistent findings of borderline changes or mild dyskaryosis and 5% were recalls following inadequate smears.

2.2.2 About 3.9 million women were tested in the year. Of these, 2.3 million were tested following an invitation and 1.6 million (42%) were opportunistic screening tests, ie those initiated either by the smear taker or by the woman, without her necessarily having been invited; in particular, some women are routinely recalled by their GPs earlier than at the HA standard interval. Because



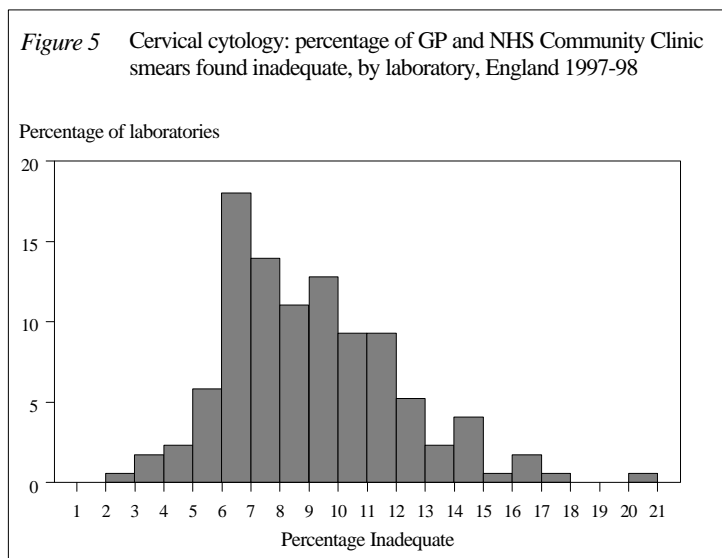
women recorded as having an opportunistic screen may nevertheless have been invited through such a GP programme, it is not possible to calculate the percentage uptake of invitations from the HA database.

2.3 Test results (Tables 7, 8 and 9)

2.3.1 From 1997-98, information about results is based on the most severe test result in the year, where previously the most recent test result was used. Because of this, the statistics for 1997-98 are not comparable with those for earlier years.

2.3.2 A small proportion of tests do not have a result, as the smear is "inadequate" ie it does not contain material suitable for analysis (see 3.1.2 below). Of nearly 3.8 million women who did have a result in 1997-98, 92.2% were negative, 6.1% showed borderline changes or mild dyskaryosis, 0.9% showed moderate dyskaryosis and 0.7% showed severe dyskaryosis or worse. The percentage of results which are severe or worse shows a distinct pattern by age, being highest (1.1%) for women aged 25-29, falling to 0.4% for women aged 45 to 64 (Figure 3).

2.3.3 In just over two thirds of the HAs the proportion of women presenting with an abnormal (including severe dyskaryosis or worse) result was between 5% and 8%, but about a



fifth had between 8% and 10% abnormal (including severe dyskaryosis or worse); in only a few HAs did the proportion lie outside the range 5% to 10%. (Figure 4).

3 ANALYSIS AND COMMENTARY - CERVICAL CYTOLOGY

3.1 Smears examined (Tables 10 and 12)

3.1.1 An estimated 4.4 million smears were examined by pathology laboratories in 1997-98, broadly similar to the number in each year since 1988-89. About 4.0 million (90% of the total) were submitted by GPs or by NHS community clinics - almost all these would be smears taken as part of the screening programme; a further 0.3 million (7%) were from NHS hospitals - most of these were probably "symptomatic" ie smears taken following the

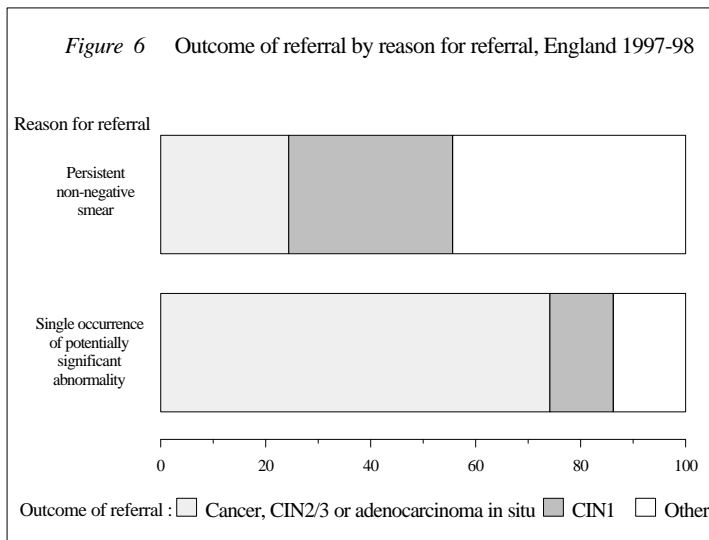
discovery of symptoms or cytological abnormality.

3.1.2 Of the GP and NHS Community Clinic smears examined in 1997-98 for women aged between 20 and 64, about 9.1% were inadequate specimens and no result could be determined.

The proportion inadequate was around 6% in the years 1989-90 to 1992-93, but had risen to 8.3% by 1996-97. At laboratory level, there was wide variation in the proportion of smears judged to be inadequate; in 74% of the laboratories the proportion of such smears was between 6% and 12%, but about 1 in 10 laboratories found less than 6% inadequate; a further 1 in 5 found between 12% and 16% inadequate and a few laboratories recorded finding more than 16% inadequate (Figure 5).

3.2 Results (Tables 11 and 12)

3.2.1 The percentage of adequate GP and NHS Community Clinic smears tested in 1997-98 for women aged 20-64, which



were reported as being negative was 92.3%. Borderline changes were found in 4.0% of such smears, mild dyskaryosis in 2.2%, moderate dyskaryosis in 0.8% and severe dyskaryosis in 0.5%; suspected invasive carcinoma or glandular neoplasia were found in 0.11% of smears. Generally, the older the women the higher the proportion of smears found to be negative; but also the proportion of smears showing suspected invasive carcinoma or glandular neoplasia was higher with increasing age. Borderline changes and mild dyskaryosis occurred more frequently in smears from younger women; moderate dyskaryosis accounted for a higher proportion in smears from women aged 20-29 than from women in other age groups; the proportion of severe dyskaryosis was highest in smears from women aged 25-34.

3.2.2 At laboratory level there was wide variation in the percentage distribution of results, in particular in

the proportion reported as borderline.

3.3 Outcome of gynaecological referrals (Table 13)

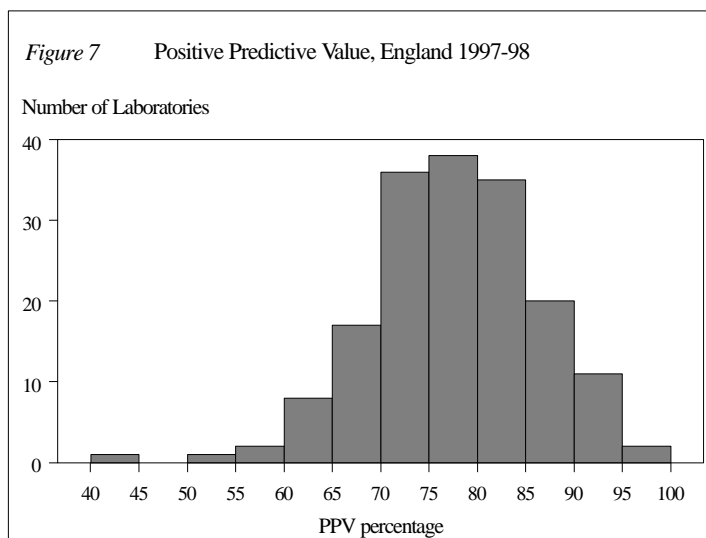
3.3.1 Only three of the 176 laboratories were unable to provide the new information about outcomes of gynaecological referrals for smears registered during April - June 1997. Several laboratories reported high numbers of outcomes not known, and have been omitted from the following analyses.

3.3.2 For referrals with

known outcomes following persistent non-negative smears only 0.2% were found to be cancerous, 24% showed CIN2, CIN3 or adenocarcinoma in situ and 31% showed CIN1; 12% showed HPV only, 18% showed no CIN or HPV, 2% were inadequate biopsies and in 12% no abnormality was detected at colposcopy (Figure 6).

3.3.3 For referrals with known outcomes following a single occurrence of a potentially significant abnormality, 3% were found to be cancerous, 71% showed CIN2, CIN3 or adenocarcinoma in situ 12% showed CIN1; 3% showed HPV only, 7% showed no CIN or HPV, 1% were inadequate biopsies and in 2% no abnormality was detected at colposcopy.

3.3.4 A positive predictive value (PPV) was calculated for each laboratory (see 4.4 below); PPVs ranged from 44% to 100% with three quarters



lying between 70% and 90% (Figure 7).

4 DEFINITIONS

4.1 The terms “severe dyskaryosis or worse”, “abnormal” and “negative” used in the text to describe the result of a smear test are defined as follows in terms of the categories used on the cytology report form HMR 101/5:

Severe dyskaryosis or worse: HMR 101/5 category 4 (severe dyskaryosis), 5 (severe dyskaryosis/? invasive carcinoma) or 6 (? glandular neoplasia); women who have such smear results are usually referred directly for further investigation, eg biopsy.

Abnormal: HMR 101/5 category 3 (mild dyskaryosis), 7 (moderate dyskaryosis) or 8 (borderline changes); women who have an abnormal smear categorised as result code 3 or 8 will usually be recalled early for another test. Women who have an abnormal smear categorised as result code 7 will be referred immediately for further investigation, eg colposcopy.

Negative: HMR 101/5 category 2 (negative); women with a negative smear result will be returned to the screening programme to be called again at the normal interval (usually 3 or 5 years).

4.2 The *coverage* of the screening programme is

the proportion of women resident (excluding those ‘recall ceased’ for clinical or other reasons) who have had a test with a result (ie excluding women all of whose smears have been found inadequate for testing) at least once in the previous 5 years.

4.3 Coverage percentages shown in tables 1a and 1b for years 1995 to 1997 have been revised so as not to exclude from the denominator resident population women whose recall was ceased on grounds of age. This was done by calculating the proportion of the total recall ceased which were for clinical, age, and other reasons for age groups 60-64 and over as reported in 1998, and applying those proportions to previous years’ total recall ceased figures for the same age bands. Women were then only excluded from the resident population if they were recall ceased for clinical or other reasons. Each health authority return was adjusted in this way before the calculation of coverage.

4.4 A *positive predictive value (PPV)* relating cytology with histology was calculated from outcomes of referral for smears with result moderate dyskaryosis or worse as follows:

numerator: ___ number of smears with outcome of referral cancer, adenocarcinoma in situ, CIN3 or CIN2

denominator: ___ number of smears with outcome of

referral known and not recorded as inadequate biopsy or colposcopy NAD.

4.5 Where parts of a return are missing, the corresponding parts have been apportioned using England averages.

4.6 There were a number of changes in 1998 to laboratories returning KC61s. The laboratory at St James’s University Hospital combined with that of Leeds General Infirmary and they now submit a single return. The Royal London Hospital took over the cytology work from St Andrew’s Hospital (Bow) in January 1998; Kent and Canterbury Hospital, Wythenshawe Hospital, Milton Keynes General Hospital, and Hospital of St. Cross no longer carry out cervical smear testing within the National Screening Programme.

5 CHANGES IN DATA COLLECTED

5.1 The KC53 and KC61 returns were reviewed during 1996 and the recommended changes, detailed below, were implemented from 1 April 1997.

5.2 The **KC53** return has been changed in three ways. Firstly, detail is now collected on reasons for recall ceased, to allow a more accurate calculation of coverage particularly for women aged 60 or over. Secondly, in the parts which analyse women

invited and women tested, those women with early recall for surveillance purposes are now distinguished from those with early recall following persistent abnormalities. Thirdly, in the part which analyse test results, the most severe result in the year is now recorded where previously it was the most recent result.

5.3 The **KC61** return has been changed in several ways. Information by source is now collected by full result type, where previously only inadequate smears were separately identified. Information by result type and age is now collected only for smears where source was GP or NHS community clinic ie a best approximation of screening programme smears; previously this analysis was an aggregate for all smears regardless of source. A new part of the return collects information about the outcome of referrals, related to the cytology result.

6 EDITORIAL NOTES

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INDEX TO TABLES

Table Number	Description	Page Number
Table 1	Cervical screening programme: test status of women and coverage by age, 31 March 1998	8
Table 2	Cervical screening programme: test status and coverage of target age group (25-64), by region, 31 March 1998	8
Table 1a	Cervical screening programme: 5 year coverage at 31 March by age, 1995 to 1998	9
Table 1b	Cervical screening programme: 3 year coverage at 31 March by age, 1995 to 1998	9
Table 3	Cervical screening programme: number of women invited in the year by type of invitation and age, 1997-98	10
Table 4	Cervical screening programme: number of women aged 25-64 invited in the year by type of invitation and region, 1997-98	10
Table 5	Cervical screening programme: number of women tested in the year by type of invitation and age, 1997-98	11
Table 6	Cervical screening programme: number of women aged 25-64 tested in the year by type of invitation and region, 1997-98	11
Table 7	Cervical screening programme: test result by age, 1997-98	12
Table 8	Cervical screening programme: test result of women aged 25-64 by region, 1997-98	12
Table 9	Cervical screening programme: coverage of the target age group (25-64) and results of tests by Health Authority, 1997-98	13
Table 10	Number and percentages of smears examined by pathology laboratories, by source of smear and Regional Office area, 1997-98	15
Table 10a	Number and percentage of smears examined by pathology laboratories, by source of smear and result, 1997-98	16
Table 11	GP & NHS Community Clinic smears examined by pathology laboratories, by result and age of women, 1997-98	17
Table 12	Number of smears examined by pathology laboratories, from GP and NHS Community Clinics, percentage results of women 20-64, 1997-98	18
Table 13	Outcome of referrals for smears registered at the laboratory between April-June 1997	21

Table 1 Cervical screening programme: test status of women and coverage by age, 31 March 1998

England								Thousands
Age at 31 March	Number of women resident	Number of women with recall ceased			Number of women with no record	Number of women less than 5 years since last test ⁽¹⁾	Coverage ⁽²⁾ (less than 5 years since last test) (%)	Number of women less than 3 years since last test ⁽¹⁾
		for clinical reasons	for age reasons	for other reasons				
All age groups	26,166.8	1,340.9	951.1	1,125.7	9,407.8	12,475.6	.	9,935.7
25-64	13,639.6	1,057.5	205.4	171.4	53.6	10,590.2	85.3	8,530.9
Under 20	6,232.1	0.0	0.0	0.0	5,951.4	160.4	2.6	154.7
20-24	1,590.4	0.2	0.0	1.3	69.0	994.9	62.6	849.7
25-29	2,007.0	1.7	0.0	3.6	20.3	1,612.1	80.5	1,330.8
30-34	2,126.6	11.6	0.0	6.5	11.1	1,802.1	85.5	1,487.9
35-39	1,937.4	39.7	0.0	9.2	6.6	1,649.7	87.4	1,351.7
40-44	1,694.7	91.8	0.0	12.8	4.2	1,393.0	87.6	1,111.8
45-49	1,657.9	177.5	0.0	19.7	3.1	1,285.1	88.0	1,022.5
50-54	1,683.6	270.4	0.0	28.0	2.9	1,207.9	87.2	953.0
55-59	1,311.8	244.2	0.0	31.6	2.4	873.7	84.3	684.9
60-64	1,220.5	220.5	205.4	60.1	3.1	766.6	81.6	588.4
65-69	1,179.4	179.5	411.2	221.6	26.0	541.8	69.6	311.9
70-74	1,114.3	87.8	251.9	470.2	201.9	140.9	25.3	63.5
75 and over	2,411.0	15.9	82.6	261.1	1,980.1	47.4	2.2	25.1

Table 2 Cervical screening programme: test status and coverage of target age group (25-64) by region, 31 March 1998

England								Thousands
Regional Office area	Number of women resident	Number of women with recall ceased			Number of women with no record	Number of women less than 5 years since last test ⁽¹⁾	Coverage ⁽²⁾ (less than 5 years since last test) (%)	Number of women less than 3 years since last test ⁽¹⁾
		for clinical reasons	for age reasons	for other reasons				
England	13,639.6	1,057.5	205.4	171.4	53.6	10,590.2	85.3	8,530.9
Northern & Yorkshire	1,683.2	119.1	28.9	25.9	2.9	1,342.7	87.3	1,110.0
Trent	1,358.9	114.9	26.6	17.1	0.9	1,093.6	89.1	903.9
Anglia & Oxford	1,470.0	135.3	19.9	14.4	4.8	1,156.2	87.6	929.6
North Thames	2,070.7	131.2	29.8	19.4	17.9	1,517.9	79.1	1,172.8
South Thames	1,963.2	148.2	14.9	24.3	6.1	1,514.9	84.6	1,264.3
South & West	1,896.9	176.2	38.0	15.8	6.0	1,473.7	86.4	1,092.4
West Midlands	1,418.2	102.9	20.9	20.0	8.2	1,117.7	86.3	938.1
North West	1,778.5	129.8	26.3	34.6	6.7	1,373.4	85.1	1,119.8

(1) Adequate tests only

Source : Form KC53

(2) The denominator used in calculating the percentage is the resident population less those women with recall ceased for clinical and other reasons.

Table 1a

Cervical screening programme:
5 year coverage at 31 March by age, 1995 to 1998

England

percentages

Age at 31 March	Coverage (less than 5 years since last adequate test)			
	(1) 1995	(1) 1996	(1) 1997	1998
25-64	84.7	84.7	84.7	85.3
Under 20	3.3	3.0	2.7	2.6
20-24	66.0	64.7	63.1	62.6
25-29	81.5	81.0	80.2	80.5
30-34	86.3	85.6	85.1	85.5
35-39	87.5	87.2	86.9	87.4
40-44	87.5	87.3	87.1	87.6
45-49	87.7	87.5	87.5	88.0
50-54	86.1	86.1	86.5	87.2
55-59	82.8	83.0	83.6	84.3
60-64	74.9	77.7	79.7	81.6
65-69	60.0	62.0	65.7	69.6
70-74	15.5	18.2	21.4	25.3
75 and over	2.3	2.2	2.2	2.2

(1) Revised figures

Source : Form KC53

Table 1b

Cervical screening programme:
3 year coverage at 31 March by age, 1995 to 1998

percentages

Age at 31 March	Coverage (less than 3 years since last adequate test)			
	1995	1996	1997	1998
25-64	66.8	67.1	67.7	68.7
Under 20	3.2	2.8	2.6	2.5
20-24	56.2	54.2	53.2	53.5
25-29	66.7	65.6	65.3	66.5
30-34	70.3	69.7	69.5	70.6
35-39	70.2	70.1	70.3	71.6
40-44	68.5	68.5	68.9	69.9
45-49	68.1	68.2	69.0	70.0
50-54	65.9	66.6	67.8	68.8
55-59	62.3	63.9	65.4	66.1
60-64	54.6	58.8	61.5	62.6
65-69	33.1	38.0	40.1	40.1
70-74	7.1	8.5	10.3	11.4
75 and over	1.2	1.1	1.1	1.2

Source : Form KC53

Table 3Cervical screening programme: number of women invited in the year
by type of invitation and age, 1997-98

England

Number

Age at 31 March 1998	Type of Invitation					
	Total	Call	Routine Recall	Repeat in less than 3 years for reasons of		
				Surveillance	Abnormality	Inadequate Smear
All Age Groups	3,656,323	675,304	2,530,141	171,682	95,085	184,111
25-64	2,989,760	362,418	2,256,637	145,018	71,387	154,300
Under 20	26,130	7,915	6,033	2,764	4,635	4,783
20-24	483,456	274,135	148,184	21,021	18,150	21,966
25-29	524,102	116,696	326,161	32,309	18,124	30,812
30-34	523,946	59,649	386,708	31,975	14,616	30,998
35-39	452,861	40,302	349,742	24,974	11,440	26,403
40-44	370,977	30,880	292,338	18,402	8,688	20,669
45-49	335,238	28,065	267,588	14,889	7,839	16,857
50-54	317,616	29,602	256,836	11,931	6,025	13,222
55-59	241,334	27,372	195,888	6,426	2,987	8,661
60-64	223,686	29,852	181,376	4,112	1,668	6,678
65-69	110,438	20,622	84,858	1,933	668	2,357
70-74	36,053	9,149	25,735	584	159	426
75 & over	10,486	1,065	8,694	362	86	279

Table 4Cervical screening programme: number of women aged 25-64 invited in the year
by type of invitation and region, 1997-98

Number

Regional Office area	Type of Invitation					
	Total	Call	Routine Recall	Repeat in less than 3 years for reasons of		
				Surveillance	Abnormality	Inadequate Smear
England	2,989,760	362,418	2,256,637	145,018	71,387	154,300
Northern & Yorkshire	333,852	29,771	261,237	17,474	7,076	18,294
Trent	275,730	21,003	204,345	20,702	5,711	23,969
Anglia & Oxford	296,471	26,770	247,145	11,175	4,981	6,400
North Thames	510,637	123,577	342,366	12,820	10,105	21,769
South Thames	480,371	68,278	364,487	19,913	11,884	15,809
South & West	355,865	26,402	269,491	30,601	11,569	17,802
West Midlands	384,477	39,429	300,604	11,862	10,069	22,513
North West	352,357	27,188	266,962	20,471	9,992	27,744

Source : Form KC53

Table 5 Cervical screening programme: number of women tested in the year by type of invitation and age, 1997-98

England		Type of Invitation							Number
Age at 31 March 1:	Total	Call	Routine Recall	Repeat in less than 3 years for reasons of			While Recall Suspended	Opportunistic Screen	
				Surveillance	Abnormality	Inadequate Smear			
All Age Groups	3,905,936	112,597	1,669,413	72,410	91,702	184,127	135,349	1,640,338	
25-64	3,330,965	49,482	1,531,931	63,341	72,200	159,103	109,336	1,345,572	
Under 20	89,413	437	3,782	900	3,313	3,545	3,391	74,045	
20-24	383,164	61,909	88,764	6,881	15,224	18,349	19,794	172,243	
25-29	554,905	20,853	205,392	11,926	16,638	28,958	27,875	243,263	
30-34	603,189	9,900	256,670	13,074	14,353	31,101	24,515	253,576	
35-39	533,863	6,070	243,670	11,198	11,612	27,544	17,797	215,972	
40-44	434,468	3,797	202,362	8,469	9,243	22,045	12,613	175,939	
45-49	391,617	2,756	186,766	7,167	8,507	18,285	10,294	157,842	
50-54	358,194	2,487	179,817	6,116	6,675	14,487	8,489	140,123	
55-59	248,072	1,933	135,652	3,302	3,332	9,464	4,687	89,702	
60-64	206,657	1,686	121,602	2,089	1,840	7,219	3,066	69,155	
65-69	78,573	590	38,796	890	743	2,528	1,647	33,379	
70-74	15,652	153	4,879	266	160	401	640	9,153	
75 & over	8,169	26	1,261	132	62	201	541	5,946	

Table 6 Cervical screening programme: number of women aged 25-64 tested in the year by type of invitation and region, 1997-98

England		Type of Invitation							Number
Regional Office area	Total	Call	Routine Recall	Repeat in less than 3 years for reasons of			While Recall Suspended	Opportunistic Screen	
				Surveillance	Abnormality	Inadequate Smear			
England	3,330,965	49,482	1,531,931	63,341	72,200	159,103	109,336	1,345,572	
Northern & Yorksh Trent	438,386	3,853	187,175	8,455	7,886	20,716	15,849	194,452	
Trent	350,617	3,165	156,451	14,594	5,736	26,790	21,131	122,750	
Anglia & Oxford	359,118	4,737	173,291	3,795	4,833	7,201	3,655	161,606	
North Thames	446,690	12,858	184,239	3,121	9,020	19,612	12,300	205,540	
South Thames	489,314	10,632	226,937	7,180	11,317	15,717	10,075	207,456	
South & West	427,003	4,553	193,704	15,476	11,963	16,624	13,672	171,011	
West Midlands	362,645	4,392	214,148	3,822	10,595	22,446	11,589	95,653	
North West	457,192	5,292	195,986	6,898	10,850	29,997	21,065	187,104	

Source : Form KC53

Table 7

Cervical screening programme: test result by age, 1997-98

England

Age at 31 March 1998	Total (1)	Result (2)							
		Negative		Borderline/Mild Dyskaryosis		Moderate Dyskaryosis		Severe Dyskaryosis or worse (3)	
		number	%	number	%	number	%	number	%
All age groups	3,756,016	3,463,612	92.2	230,692	6.1	34,004	0.9	27,708	0.7
25-64	3,212,347	2,987,464	93.0	175,222	5.5	25,724	0.8	23,937	0.7
under 20	83,624	70,535	84.3	11,455	13.7	1,349	1.6	285	0.3
20-24	360,314	309,674	85.9	41,502	11.5	6,629	1.8	2,509	0.7
25-29	526,275	470,154	89.3	41,634	7.9	8,462	1.6	6,025	1.1
30-34	577,226	530,339	91.9	34,269	5.9	6,621	1.1	5,997	1.0
35-39	513,815	477,666	93.0	27,987	5.4	4,101	0.8	4,061	0.8
40-44	419,753	392,185	93.4	22,527	5.4	2,411	0.6	2,630	0.6
45-49	380,101	356,237	93.7	20,343	5.4	1,656	0.4	1,865	0.5
50-54	349,774	331,068	94.7	15,967	4.6	1,273	0.4	1,466	0.4
55-59	242,717	232,960	96.0	8,036	3.3	699	0.3	1,022	0.4
60-64	202,686	196,855	97.1	4,459	2.2	501	0.2	871	0.4
65-69	76,847	74,404	96.8	1,752	2.3	215	0.3	476	0.6
70-74	15,138	14,370	94.9	491	3.2	60	0.4	217	1.4
75 and over	7,746	7,165	92.5	270	3.5	27	0.3	284	3.7

Table 8

Cervical screening programme: test result of women aged 25-64 by region, 1997-98

Regional Office area	Total (1)	Result (2)							
		Negative		Borderline/Mild Dyskaryosis		Moderate Dyskaryosis		Severe Dyskaryosis or worse (3)	
		number	%	number	%	number	%	number	%
England	3,212,347	2,987,464	93.0	175,222	5.5	25,724	0.8	23,937	0.7
Northern & Yorkshire	426,481	399,840	93.8	20,356	4.8	2,830	0.7	3,455	0.8
Trent	336,719	315,339	93.7	16,424	4.9	2,671	0.8	2,285	0.7
Anglia & Oxford	349,081	325,627	93.3	18,880	5.4	2,249	0.6	2,325	0.7
North Thames	428,215	396,761	92.7	24,664	5.8	3,467	0.8	3,323	0.8
South Thames	472,197	439,743	93.1	25,251	5.3	3,798	0.8	3,405	0.7
South & West	412,430	382,338	92.7	23,703	5.7	3,447	0.8	2,942	0.7
West Midlands	348,690	322,615	92.5	20,460	5.9	3,203	0.9	2,412	0.7
North West	438,534	405,201	92.4	25,484	5.8	4,059	0.9	3,790	0.9

(1) excluding those women all of whose tests during the year were classified as 'inadequate'

(2) latest result in the year

(3) severe dyskaryosis or worse includes results reported as severe dyskaryosis, severe dyskaryosis/?invasive carcinoma, or ?glandular neoplasia

Source : Form KC53

Table 9 Cervical screening programme: coverage of the Target Age Group (25-64) and results of tests by Health Authority, 1997-98

Health Authority Code	Name	Eligible Population (1) (000's)	Coverage (less than 5 years) (%)	Coverage (less than 3 years) (%)	Number of women screened (2) (000's)	Result of test			
						Negative (%)	Mild Dyskaryosis (%)	Moderate Dyskaryosis (%)	Severe Dyskaryosis or worse (3) (%)
	England	12,410.7	85.3	68.7	3212.3	93.0	5.5	0.8	0.7
	Northern & Yorkshire	1,538.3	87.3	72.2	426.5	93.8	4.8	0.7	0.8
QDE00	COUNTY DURHAM HA	150.6	87.1	76.5	44.0	93.3	5.1	0.6	1.0
QDG00	GATESHEAD & SOUTH TYNESIDE HA	87.8	86.0	71.3	23.7	93.4	4.7	0.9	1.0
QDJ00	NEWCASTLE & NORTH TYNESIDE HA	117.6	83.5	68.7	34.2	92.9	5.3	0.6	1.2
QDK00	NORTH CUMBRIA HA	81.8	86.7	77.7	24.0	94.8	3.9	0.7	0.6
QDM00	NORTHUMBERLAND HA	76.0	89.3	75.8	22.4	93.1	5.3	0.5	1.1
QDN00	SUNDERLAND HA	71.2	86.5	61.6	16.7	89.5	8.5	1.0	1.0
QDP00	TEES HA	132.6	88.9	78.3	38.4	93.7	5.0	0.5	0.7
QDD00	BRADFORD HA	112.3	83.0	60.1	24.7	93.5	5.0	0.8	0.8
QDT00	CALDERDALE & KIRKLEES HA	141.4	89.5	70.8	38.7	91.8	6.7	0.9	0.6
QDF00	EAST RIDING HA	137.3	87.6	72.6	39.2	96.3	2.4	0.5	0.8
QDH00	LEEDS HA	171.5	85.9	65.9	42.7	96.0	2.8	0.4	0.8
QDR00	NORTH YORKSHIRE HA	179.9	90.6	80.8	55.0	94.6	4.1	0.7	0.6
QDQ00	WAKEFIELD HA	78.3	88.5	72.6	22.7	92.2	6.4	0.8	0.6
	Trent	1,226.9	89.1	73.7	336.7	93.7	4.9	0.8	0.7
QCG00	BARNSELY HA	57.5	84.5	58.7	13.8	89.9	7.9	1.6	0.6
QCK00	DONCASTER HA	69.3	90.6	80.9	20.0	92.9	5.6	0.9	0.6
QCL00	LEICESTERSHIRE HA	222.9	88.3	70.8	58.2	94.8	4.0	0.5	0.7
QCM00	LINCOLNSHIRE HA	147.0	89.3	69.6	38.3	94.1	4.5	0.9	0.6
QCH00	NORTH DERBYSHIRE HA	87.8	90.5	81.3	25.6	93.8	4.9	0.9	0.4
QCN00	NORTH NOTTINGHAMSHIRE HA	94.6	90.5	79.7	28.4	92.7	5.7	0.9	0.7
QCP00	NOTTINGHAM HA	149.8	90.7	80.4	45.0	94.1	4.4	0.7	0.9
QCQ00	ROTHERHAM HA	63.0	87.0	63.3	15.4	89.9	7.8	1.3	1.0
QCR00	SHEFFIELD HA	121.3	90.1	78.2	34.9	93.8	4.8	0.7	0.7
QCJ00	SOUTH DERBYSHIRE HA	138.2	89.3	72.5	37.8	94.2	4.5	0.8	0.6
QDL00	SOUTH HUMBER HA	75.4	87.1	68.7	19.4	94.6	4.1	0.8	0.6
	Anglia & Oxford	1,320.3	87.6	70.4	349.1	93.3	5.4	0.6	0.7
QA600	BEDFORDSHIRE HA	138.4	86.3	60.2	31.1	92.6	5.7	0.9	0.8
QA900	CAMBRIDGE & HUNTINGDON HA	108.4	89.4	69.3	29.4	91.4	7.4	0.6	0.6
QCA00	EAST NORFOLK HA	141.6	89.7	69.2	36.5	92.7	6.1	0.5	0.7
QCD00	NORTH WEST ANGLIA HA	95.2	90.1	72.4	23.8	95.8	3.3	0.5	0.4
QCF00	SUFFOLK HA	153.5	89.3	78.3	48.8	92.1	6.8	0.6	0.5
QA700	BERKSHIRE HA	206.1	83.2	58.2	45.7	93.5	5.1	0.7	0.8
QA800	BUCKINGHAMSHIRE HA	174.3	89.2	78.1	49.0	94.2	4.2	0.7	0.9
QCC00	NORTHAMPTONSHIRE HA	149.2	88.7	77.3	42.7	93.1	5.5	0.7	0.8
QCE00	OXFORDSHIRE HA	153.7	85.0	73.3	41.9	94.5	4.5	0.6	0.4
	North Thames	1,920.1	79.1	61.1	428.2	92.7	5.8	0.8	0.8
QAQ00	BARNET HA	92.0	79.0	66.6	22.0	95.2	3.7	0.6	0.5
QAR00	BRENT & HARROW HA	143.5	78.0	66.1	32.6	92.8	5.8	0.8	0.6
QAV00	EALING HAMMERSMITH & HOUNSLOW HA	218.2	72.7	61.4	49.1	91.0	7.2	0.9	0.8
QEP00	EAST & NORTH HERTFORDSHIRE HA	126.4	86.6	63.2	29.0	94.0	4.6	0.6	0.9
QA200	HILLINGDON HA	62.0	85.3	70.3	16.1	95.2	3.2	0.6	1.0
QA300	KENSINGTON CHELSEA & WESTMINSTER HA	113.1	69.3	54.6	21.2	91.6	6.3	1.2	1.0
QE000	WEST HERTFORDSHIRE HA	115.9	86.5	64.3	27.5	95.0	3.7	0.6	0.8
QAP00	BARKING & HAVERING HA	90.1	86.3	64.0	23.6	94.7	3.6	0.8	0.9
QAT00	CAMDEN & ISLINGTON HA	125.5	72.1	57.9	25.2	90.9	7.3	1.1	0.7
QAW00	EAST LONDON & THE CITY HA	166.0	75.8	62.4	37.0	93.8	4.5	0.8	0.9
QA400	ENFIELD & HARINGEY HA	155.9	72.0	52.4	29.4	91.0	7.2	1.0	0.8
QAX00	NORTH ESSEX HA	215.5	86.5	61.9	51.1	90.6	7.9	0.8	0.7
QA500	REDBRIDGE & WALTHAM FOREST HA	123.5	77.9	57.0	26.0	91.9	6.2	1.0	0.9
QAY00	SOUTH ESSEX HA	172.6	83.9	60.1	38.4	93.2	5.6	0.6	0.6

continued

Table 9 continued Cervical screening programme: coverage of the Target Age Group (25-64) and results of tests by Health Authority, 1997-98

Health Authority Code	Name	Eligible Population (000's)	Coverage (less than 5 years since last test) (%)	Coverage (less than 3 years since last test) (%)	Number of women screened (2) (000's)	Result of test			
						Negative (%)	Mild Dyskaryosis (%)	Moderate Dyskaryosis (%)	Severe Dyskaryosis or worse (3) (%)
	England	12,410.7	85.3	68.7	3212.3	93.0	5.5	0.8	0.7
	South Thames	1,790.7	84.6	70.6	472.2	93.1	5.3	0.8	0.7
QAA00	BEXLEY & GREENWICH HA	110.7	85.0	74.4	30.4	93.0	5.7	0.8	0.5
QAC00	BROMLEY HA	77.9	88.3	78.8	22.5	94.2	4.7	0.6	0.5
QAE00	EAST KENT HA	131.3	89.0	77.7	37.9	95.2	3.5	0.7	0.7
QAM00	EAST SUSSEX BRIGHTON & HOVE HA	174.8	89.2	75.0	49.2	94.6	4.0	0.6	0.8
QAH00	LAMBETH SOUTHWARK & LEWISHAM HA	236.7	74.5	62.6	55.0	89.6	8.5	1.2	0.7
QAF00	WEST KENT HA	244.4	87.6	69.3	62.9	94.3	4.3	0.7	0.6
QAD00	CROYDON HA	89.7	79.7	54.3	18.3	90.6	6.8	1.4	1.2
QAK00	EAST SURREY HA	106.1	88.4	77.9	31.1	93.4	5.3	0.7	0.6
QAG00	KINGSTON & RICHMOND HA	89.4	85.3	74.9	25.0	93.5	5.1	0.8	0.6
QAJ00	MERTON SUTTON & WANDSWORTH HA	187.5	79.2	67.6	48.0	92.3	6.0	0.9	0.8
QAL00	WEST SURREY HA	163.0	87.5	77.0	48.6	92.6	6.0	0.7	0.7
QAN00	WEST SUSSEX HA	179.3	87.2	66.5	43.3	94.1	4.1	0.9	1.0
	South & West	1,704.9	86.4	64.1	412.4	92.7	5.7	0.8	0.7
QDW00	DORSET HA	155.8	90.2	77.0	47.1	94.2	4.5	0.8	0.6
QD400	ISLE OF WIGHT HA	28.4	92.9	82.8	9.1	91.9	6.6	0.8	0.7
QD100	NORTH & MID HAMPSHIRE HA	136.8	86.8	66.9	32.9	93.6	4.8	0.8	0.8
QD200	PORTSMOUTH & SOUTH EAST HAMPSHIRE HA	130.5	84.7	58.1	28.3	93.1	5.5	0.8	0.6
QD300	SOUTHAMPTON & SOUTH WEST HAMPSHIRE HA	128.6	85.8	66.0	31.3	93.5	4.8	1.0	0.6
QD700	WILTSHIRE HA	149.6	85.4	63.3	36.0	92.5	5.8	0.9	0.8
QD800	AVON HA	240.1	85.3	58.0	51.6	92.2	6.0	0.9	0.8
QDV00	CORNWALL & ISLES OF SCILLY HA	117.0	87.4	65.9	29.3	92.7	6.1	0.7	0.6
QDY00	GLOUCESTERSHIRE HA	134.8	87.0	64.6	32.4	94.2	4.3	0.8	0.7
QDX00	NORTH & EAST DEVON HA	114.1	83.2	55.9	24.5	88.7	9.3	1.0	1.0
QD500	SOMERSET HA	230.3	86.6	59.1	51.7	90.8	7.6	0.9	0.6
QD600	SOUTH & WEST DEVON HA	139.0	86.8	71.0	38.3	93.9	4.6	0.7	0.8
	West Midlands	1,295.3	86.3	72.4	348.7	92.5	5.9	0.9	0.7
QD900	BIRMINGHAM HA	241.5	81.8	69.3	60.9	91.8	6.3	1.1	0.8
QEA00	COVENTRY HA	72.4	82.9	65.8	18.3	91.0	6.8	1.2	1.0
QEC00	DUDLEY HA	76.1	88.4	76.9	20.4	94.2	4.5	0.7	0.7
QED00	HEREFORDSHIRE HA	39.5	87.3	68.7	10.8	93.7	5.1	0.6	0.6
QEH00	NORTH STAFFORDSHIRE HA	113.6	88.3	77.7	34.6	91.5	7.0	0.9	0.6
QEE00	SANDWELL HA	72.3	82.0	61.7	16.2	93.9	4.6	0.7	0.9
QEF00	SHROPSHIRE HA	102.0	90.2	78.5	30.6	91.4	6.7	1.1	0.8
QEG00	SOLIHULL HA	50.4	88.2	75.8	14.3	92.3	6.3	0.8	0.5
QEQ00	SOUTH STAFFORDSHIRE HA	146.8	89.0	78.1	41.6	92.8	5.9	0.9	0.4
QEK00	WALSALL HA	63.4	86.0	74.8	18.9	93.4	5.3	1.0	0.4
QEL00	WARWICKSHIRE HA	126.0	88.6	76.6	36.3	93.9	4.6	0.9	0.7
QEM00	WOLVERHAMPTON HA	57.4	85.3	72.8	15.4	92.3	6.0	0.9	0.8
QEN00	WORCESTERSHIRE HA	134.0	87.0	64.0	30.6	92.7	5.6	0.8	0.8
	North West	1,614.1	85.1	69.4	438.5	92.4	5.8	0.9	0.9
QC200	LIVERPOOL HA	113.8	78.6	59.1	26.5	92.7	5.3	0.9	1.1
QCV00	NORTH CHESHIRE HA	85.6	87.2	73.8	24.3	94.2	4.3	0.8	0.7
QC700	SEFTON HA	68.7	82.8	69.7	20.6	93.0	5.6	0.8	0.6
QCW00	SOUTH CHESHIRE HA	161.7	89.9	77.5	50.3	92.6	5.5	1.0	0.9
QC500	ST HELENS & KNOWSLEY HA	82.3	84.2	63.4	21.6	89.2	8.8	1.1	0.9
QDC00	WIRRAL HA	78.5	85.2	73.9	22.7	93.7	4.5	0.8	0.9
QCT00	BURY & ROCHDALE HA	95.9	86.0	66.1	25.1	91.9	6.1	1.1	0.9
QCX00	EAST LANCASHIRE HA	123.7	87.2	77.6	37.5	91.1	6.9	1.1	0.9
QC300	MANCHESTER HA	108.7	72.6	54.8	23.6	90.9	6.9	1.1	1.1
QC400	MORECAMBE BAY HA	74.4	82.8	65.7	18.0	92.7	6.0	0.7	0.7
QCY00	NORTH WEST LANCASHIRE HA	109.6	85.7	68.5	28.8	92.0	5.7	1.3	1.1
QC600	SALFORD & TRAFFORD HA	108.2	83.7	62.3	26.3	92.7	5.5	0.9	0.8
QC100	SOUTH LANCASHIRE HA	77.2	88.4	75.0	21.4	94.3	4.2	0.6	0.8
QC800	STOCKPORT HA	72.6	86.1	65.6	18.7	90.5	8.0	0.7	0.8
QC900	WEST PENNINE HA	114.8	88.8	77.1	34.1	92.7	5.8	0.9	0.6
QDA00	WIGAN & BOLTON HA	138.4	88.8	73.6	39.2	93.5	4.9	0.8	0.7

(1) This is the number of women in the resident population less those with Recall Ceased

(2) excluding those women all of whose tests during the year were classified as 'inadequate'

(3) severe dyskaryosis or worse includes results reported as severe dyskaryosis, severe dyskaryosis/?invasive carcinoma, or ?glandular neoplasia

Source : Form KC53

Table 10 Number and percentage of smears examined by pathology laboratories, by source of smear and Regional Office area, 1997/98

	Total smears	Result of test					Percentage				
		Inadequate	Negative	Borderline/ Mild	Moderate Dyskaryosis	Severe or worse	Inadequate	Negative	Borderline/ Mild	Moderate Dyskaryosis	Severe or worse
England											
All Sources	4,428,938	399,482	3,670,174	286,756	40,164	32,362	9.0	82.9	6.5	0.9	0.7
GP	3,780,472	342,176	3,172,951	216,810	27,660	20,875	9.1	83.9	5.7	0.7	0.6
NHSCC	217,696	20,419	179,219	14,835	1,910	1,313	9.4	82.3	6.8	0.9	0.6
GUM	72,842	7,067	52,008	11,797	1,436	534	9.7	71.4	16.2	2.0	0.7
NHS Hosp	308,557	26,776	224,747	39,221	8,630	9,183	8.7	72.8	12.7	2.8	3.0
Private	26,388	1,416	22,151	2,285	278	258	5.4	83.9	8.7	1.1	1.0
Other	22,983	1,628	19,098	1,808	250	199	7.1	83.1	7.9	1.1	0.9
Northern & Yorkshire											
All Sources	575,431	45,751	487,024	33,868	4,309	4,479	8.0	84.6	5.9	0.7	0.8
GP	490,851	38,758	420,238	25,866	3,018	2,971	7.9	85.6	5.3	0.6	0.6
NHSCC	29,484	2,761	24,499	1,868	207	149	9.4	83.1	6.3	0.7	0.5
GUM	4,986	464	3,520	899	66	37	9.3	70.6	18.0	1.3	0.7
NHS Hosp	45,623	3,432	35,091	4,853	971	1,276	7.5	76.9	10.6	2.1	2.8
Private	2,172	142	1,829	159	16	26	6.5	84.2	7.3	0.7	1.2
Other	2,315	194	1,847	223	31	20	8.4	79.8	9.6	1.3	0.9
Trent											
All Sources	463,101	49,733	379,811	26,902	3,920	2,735	10.7	82.0	5.8	0.8	0.6
GP	405,511	43,364	336,774	20,637	2,840	1,896	10.7	83.0	5.1	0.7	0.5
NHSCC	20,684	2,382	16,574	1,429	193	106	11.5	80.1	6.9	0.9	0.5
GUM	6,510	868	4,347	1,125	139	31	13.3	66.8	17.3	2.1	0.5
NHS Hosp	28,677	2,994	20,675	3,584	736	688	10.4	72.1	12.5	2.6	2.4
Private	1,314	104	1,097	89	11	13	7.9	83.5	6.8	0.8	1.0
Other	405	21	344	38	1	1	5.2	84.9	9.4	0.2	0.2
Anglia & Oxford											
All Sources	489,839	44,888	406,927	31,599	3,392	3,033	9.2	83.1	6.5	0.7	0.6
GP	441,950	40,962	369,646	26,233	2,720	2,389	9.3	83.6	5.9	0.6	0.5
NHSCC	10,927	1,029	8,839	865	103	91	9.4	80.9	7.9	0.9	0.8
GUM	9,830	790	7,109	1,701	161	69	8.0	72.3	17.3	1.6	0.7
NHS Hosp	22,173	1,802	17,178	2,388	364	441	8.1	77.5	10.8	1.6	2.0
Private	3,703	187	3,123	326	37	30	5.0	84.3	8.8	1.0	0.8
Other	1,256	118	1,032	86	7	13	9.4	82.2	6.8	0.6	1.0
North Thames											
All Sources	619,222	55,980	508,962	42,910	6,084	5,286	9.0	82.2	6.9	1.0	0.9
GP	489,064	45,831	407,976	28,808	3,574	2,875	9.4	83.4	5.9	0.7	0.6
NHSCC	43,039	3,812	35,577	2,947	409	294	8.9	82.7	6.8	1.0	0.7
GUM	20,987	1,852	15,692	2,841	406	196	8.8	74.8	13.5	1.9	0.9
NHS Hosp	54,706	4,032	39,904	7,426	1,568	1,776	7.4	72.9	13.6	2.9	3.2
Private	6,184	248	5,284	512	73	67	4.0	85.4	8.3	1.2	1.1
Other	5,242	205	4,529	376	54	78	3.9	86.4	7.2	1.0	1.5
South Thames											
All Sources	660,118	56,484	551,915	41,281	5,952	4,486	8.6	83.6	6.3	0.9	0.7
GP	562,035	47,261	475,959	31,742	4,184	2,889	8.4	84.7	5.6	0.7	0.5
NHSCC	41,544	3,679	34,498	2,793	344	230	8.9	83.0	6.7	0.8	0.6
GUM	9,412	875	6,874	1,420	180	63	9.3	73.0	15.1	1.9	0.7
NHS Hosp	38,816	4,193	27,694	4,555	1,144	1,230	10.8	71.3	11.7	2.9	3.2
Private	6,703	317	5,576	658	87	65	4.7	83.2	9.8	1.3	1.0
Other	1,608	159	1,314	113	13	9	9.9	81.7	7.0	0.8	0.6
South West											
All Sources	515,801	47,059	427,652	33,129	4,544	3,417	9.1	82.9	6.4	0.9	0.7
GP	460,088	42,190	384,795	27,049	3,481	2,573	9.2	83.6	5.9	0.8	0.6
NHSCC	17,747	1,652	14,351	1,460	168	116	9.3	80.9	8.2	0.9	0.7
GUM	5,876	590	4,053	1,087	120	26	10.0	69.0	18.5	2.0	0.4
NHS Hosp	27,755	2,269	20,887	3,206	727	666	8.2	75.3	11.6	2.6	2.4
Private	1,874	105	1,646	97	13	13	5.6	87.8	5.2	0.7	0.7
Other	2,461	253	1,920	230	35	23	10.3	78.0	9.3	1.4	0.9
West Midlands											
All Sources	477,227	42,588	394,451	32,001	4,894	3,293	8.9	82.7	6.7	1.0	0.7
GP	421,531	37,614	352,483	25,447	3,661	2,326	8.9	83.6	6.0	0.9	0.6
NHSCC	19,293	1,811	15,864	1,343	176	99	9.4	82.2	7.0	0.9	0.5
GUM	5,541	504	3,827	1,021	157	32	9.1	69.1	18.4	2.8	0.6
NHS Hosp	27,644	2,446	19,635	3,904	848	811	8.8	71.0	14.1	3.1	2.9
Private	1,214	95	961	131	15	12	7.8	79.2	10.8	1.2	1.0
Other	2,004	118	1,681	155	37	13	5.9	83.9	7.7	1.8	0.6
North West											
All Sources	628,199	56,999	513,432	45,066	7,069	5,633	9.1	81.7	7.2	1.1	0.9
GP	509,442	46,196	425,080	31,028	4,182	2,956	9.1	83.4	6.1	0.8	0.6
NHSCC	34,978	3,293	29,017	2,130	310	228	9.4	83.0	6.1	0.9	0.7
GUM	9,700	1,124	6,586	1,703	207	80	11.6	67.9	17.6	2.1	0.8
NHS Hosp	63,163	5,608	43,683	9,305	2,272	2,295	8.9	69.2	14.7	3.6	3.6
Private	3,224	218	2,635	313	26	32	6.8	81.7	9.7	0.8	1.0
Other	7,692	560	6,431	587	72	42	7.3	83.6	7.6	0.9	0.5

Table 10a Number and percentage of smears examined by pathology laboratories, by source of smear and result, 1997-98

England	Total all ages	Source					
		GP	NHSCC	GUM	NHS Hospital	Private	Other
Numbers							
Total	4,428,938	3,780,472	217,696	72,842	308,557	26,388	22,983
Inadequate	399,482	342,176	20,419	7,067	26,776	1,416	1,628
Negative	3,670,174	3,172,951	179,219	52,008	224,747	22,151	19,098
Borderline changes	179,255	138,728	8,949	6,313	22,608	1,642	1,015
Mild Dyskaryosis	107,501	78,082	5,886	5,484	16,613	643	793
Moderate Dyskaryosis	40,164	27,660	1,910	1,436	8,630	278	250
Severe Dyskaryosis	26,549	17,166	1,079	467	7,503	190	144
?Invasive Carcinoma	1,666	975	52	17	590	19	13
?Glandular Neoplasia	4,147	2,734	182	50	1,090	49	42
Percentages by result							
Total	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Inadequate	9.02	9.05	9.38	9.70	8.68	5.37	7.08
Negative	82.87	83.93	82.33	71.40	72.84	83.94	83.10
Borderline changes	4.05	3.67	4.11	8.67	7.33	6.22	4.42
Mild Dyskaryosis	2.43	2.07	2.70	7.53	5.38	2.44	3.45
Moderate Dyskaryosis	0.91	0.73	0.88	1.97	2.80	1.05	1.09
Severe Dyskaryosis	0.60	0.45	0.50	0.64	2.43	0.72	0.63
?Invasive Carcinoma	0.04	0.03	0.02	0.02	0.19	0.07	0.06
?Glandular Neoplasia	0.09	0.07	0.08	0.07	0.35	0.19	0.18
Percentages by source							
Total	100.00	85.36	4.92	1.64	6.97	0.60	0.52
Inadequate	100.00	85.65	5.11	1.77	6.70	0.35	0.41
Negative	100.00	86.45	4.88	1.42	6.12	0.60	0.52
Borderline changes	100.00	77.39	4.99	3.52	12.61	0.92	0.57
Mild Dyskaryosis	100.00	72.63	5.48	5.10	15.45	0.60	0.74
Moderate Dyskaryosis	100.00	68.87	4.76	3.58	21.49	0.69	0.62
Severe Dyskaryosis	100.00	64.66	4.06	1.76	28.26	0.72	0.54
?Invasive Carcinoma	100.00	58.52	3.12	1.02	35.41	1.14	0.78
?Glandular Neoplasia	100.00	65.93	4.39	1.21	26.28	1.18	1.01

Source : Form KC61 Part A

Table 11 GP & NHS Community Clinic smears examined by pathology laboratories, by result and age of women, 1997/98

England

Age Groups	Result of Test								
	Total	Inadequate	Negative	Borderline changes	Mild Dyskaryosis	Moderate Dyskaryosis	Severe Dyskaryosis	?Invasive Carcinoma	?Glandular Neoplasia
Numbers									
All ages	3,998,168	362,595	3,352,170	147,677	83,968	29,570	18,245	1,027	2,916
20 to 64	3,790,328	344,871	3,181,733	138,236	76,331	27,831	17,705	932	2,689
Under 20	121,996	12,705	92,399	7,885	7,145	1,527	315	4	16
20 to 24	399,390	43,323	306,312	22,486	19,244	5,766	2,098	39	122
25 to 29	576,582	61,269	460,720	24,004	18,117	7,464	4,563	144	301
30 to 34	617,703	61,181	511,787	21,407	12,912	5,611	4,232	167	406
35 to 39	540,183	51,295	454,881	18,604	8,730	3,459	2,697	126	391
40 to 44	443,777	40,554	376,888	16,053	6,222	2,024	1,563	126	347
45 to 49	402,940	33,047	347,101	14,965	4,911	1,458	1,026	94	338
50 to 54	355,014	25,163	312,619	11,571	3,493	1,032	704	89	343
55 to 59	251,328	16,676	225,686	5,885	1,731	604	450	56	240
60 to 64	203,411	12,363	185,739	3,261	971	413	372	91	201
65 to 69	67,265	3,841	61,490	1,126	354	152	152	42	108
70 to 74	12,086	752	10,835	273	79	35	43	25	44
75 and over	6,493	426	5,713	157	59	25	30	24	59
Percentages									
All ages	100.0	9.1	83.8	3.7	2.1	0.7	0.5	0.0	0.1
20 to 64	100.0	9.1	83.9	3.6	2.0	0.7	0.5	0.0	0.1
Under 20	100.0	10.4	75.7	6.5	5.9	1.3	0.3	0.0	0.0
20 to 24	100.0	10.8	76.7	5.6	4.8	1.4	0.5	0.0	0.0
25 to 29	100.0	10.6	79.9	4.2	3.1	1.3	0.8	0.0	0.1
30 to 34	100.0	9.9	82.9	3.5	2.1	0.9	0.7	0.0	0.1
35 to 39	100.0	9.5	84.2	3.4	1.6	0.6	0.5	0.0	0.1
40 to 44	100.0	9.1	84.9	3.6	1.4	0.5	0.4	0.0	0.1
45 to 49	100.0	8.2	86.1	3.7	1.2	0.4	0.3	0.0	0.1
50 to 54	100.0	7.1	88.1	3.3	1.0	0.3	0.2	0.0	0.1
55 to 59	100.0	6.6	89.8	2.3	0.7	0.2	0.2	0.0	0.1
60 to 64	100.0	6.1	91.3	1.6	0.5	0.2	0.2	0.0	0.1
65 to 69	100.0	5.7	91.4	1.7	0.5	0.2	0.2	0.1	0.2
70 to 74	100.0	6.2	89.6	2.3	0.7	0.3	0.4	0.2	0.4
75 and over	100.0	6.6	88.0	2.4	0.9	0.4	0.5	0.4	0.9

Source : Form KC61 Part B

Table 12 Number of smears examined by pathology laboratories, from GP and NHS Community Clinics, percentage results of women 20-64, 1997/98

		Smears from GP and NHS Community Clinics - women aged 20 - 64										
		Total smears examined		Result (as a percentage of all smears)			Result (as a percentage of total adequate)					
		All sources all ages	GP & NHS CC (20 - 64)	Inadequate % (cat.1)	Borderline/ Mild % (cat. 8 & 3)	Moderate/ Severe % (cat.7, 4.5 & 6)	Total adequate smears	Negative % (cat.2)	Borderline % (cat.8)	Mild % (cat.3)	Moderate % (cat.7)	Severe % (cat.4,5 & 6)
England - 176 laboratories		4,428,938	3,790,328	9.1	5.7	1.3	3,445,457	92.3	4.0	2.2	0.8	0.6
Northern & Yorkshire - 24 laboratories		575,431	489,756	8.0	5.1	1.2	450,672	93.1	3.9	1.7	0.7	0.7
	Royal Victoria Infirmary (Newcastle)	60,332	51,986	7.3	5.9	1.5	48,208	92.0	4.8	1.6	0.5	1.1
	Leeds General Infirmary	57,744	48,236	7.6	2.7	0.8	44,589	96.2	2.3	0.6	0.4	0.5
	Castle Hill Hospital	41,959	33,555	5.4	2.2	1.2	31,741	96.4	1.6	0.7	0.5	0.8
	St Luke's Hospital (Bradford)	39,446	32,564	9.0	4.9	1.3	29,632	93.2	3.8	1.6	0.8	0.7
	Queen Elizabeth Hospital (Gateshead)	32,795	28,506	11.2	5.1	1.3	25,321	92.8	3.9	1.8	0.9	0.6
	Middlesbrough General Hospital	27,785	24,630	9.0	6.7	0.7	22,425	91.8	5.9	1.5	0.5	0.3
	York District Hospital	26,798	23,271	6.8	5.1	1.1	21,678	93.4	3.4	2.1	0.5	0.6
	Dryburn Hospital	26,519	23,014	9.5	5.1	1.4	20,831	92.8	3.2	2.4	0.5	1.0
	Sunderland District Hosp.	23,811	19,914	10.5	8.6	1.7	17,814	88.5	6.8	2.8	1.0	0.9
	Scarborough Hospital	20,958	18,727	7.2	4.7	1.2	17,385	93.6	2.8	2.3	0.9	0.4
	Huddersfield Royal Infirmary	20,500	17,234	6.8	9.7	1.4	16,066	88.1	7.2	3.3	1.1	0.4
	Pinderfields General Hospital	19,120	16,758	10.1	7.9	1.0	15,071	90.0	5.8	3.1	0.7	0.5
	North Tees General Hospital	18,858	16,017	8.0	3.1	1.1	14,742	95.4	2.1	1.2	0.5	0.7
	Bishop Auckland General Hospital	18,793	15,560	11.5	6.7	1.3	13,763	91.0	6.0	1.6	0.6	0.8
	Cumberland Infirmary (Carlisle)	18,494	16,609	5.7	4.7	1.0	15,658	94.0	3.9	1.1	0.6	0.4
	Royal Halifax Infirmary	17,163	15,146	5.6	5.0	1.5	14,298	93.2	2.9	2.4	0.9	0.6
	Dewsbury District Hospital	14,787	11,521	8.5	8.1	1.1	10,539	89.9	6.1	2.8	0.8	0.4
	Pontefract General Infirmary	14,045	11,415	7.2	5.2	1.7	10,592	92.6	3.8	1.8	1.1	0.7
	Harrogate General Hospital	13,885	12,154	6.4	3.8	1.7	11,377	94.2	2.4	1.6	0.9	0.9
	North Tyneside District General	13,862	11,142	7.0	3.7	1.3	10,360	94.6	3.0	1.1	0.7	0.7
	Hartlepool General Hospital	13,545	11,611	10.9	6.1	1.1	10,347	92.0	5.7	1.1	0.6	0.6
(1)	West Cumberland Hospital	12,117	11,110	6.4	3.7	1.5	10,399	94.5	2.1	1.8	0.7	0.8
	Darlington Memorial Hospital	11,383	10,071	6.7	3.4	0.8	9,401	95.5	2.4	1.2	0.5	0.4
	Friarage General Hospital	10,732	9,005	6.1	5.1	1.0	8,455	93.5	4.0	1.5	0.8	0.2
Trent - 16 laboratories		463,101	402,721	10.7	5.0	1.2	359,666	93.1	3.6	2.0	0.8	0.5
	Leicester Royal Infirmary	78,293	71,641	10.2	4.1	1.1	64,337	94.2	3.8	0.8	0.6	0.6
	Nottingham City Hospital	66,244	57,223	9.2	4.8	1.2	51,954	93.4	3.8	1.5	0.7	0.6
	Derbyshire Royal Infirmary	50,681	44,916	14.7	4.7	1.1	38,317	93.2	3.2	2.3	0.8	0.5
	Northern General Hospital (Sheffield)	35,404	30,942	8.4	5.0	1.0	28,028	93.4	3.9	1.7	0.6	0.5
	Chesterfield & North Derby Royal	30,112	27,609	13.4	4.6	0.9	23,907	93.6	4.5	0.8	0.8	0.2
	Doncaster Royal Infirmary	29,743	24,012	15.0	5.3	1.1	20,410	92.4	3.6	2.6	0.9	0.4
(1)	Kings Mill Hospital	28,864	24,537	11.6	5.5	1.3	21,684	92.2	2.3	4.0	0.8	0.6
	Rotherham District General Hospital	21,300	17,595	13.0	6.8	1.8	15,309	90.0	3.6	4.3	1.2	0.9
	Barnsley District General Hospital	18,659	15,214	6.2	8.0	1.9	14,274	89.4	4.7	3.8	1.6	0.5
	Scunthorpe General Hospital	18,112	15,690	9.7	4.0	1.2	14,171	94.3	2.4	2.0	0.7	0.6
	Lincoln County Hospital	17,737	15,699	6.5	6.3	1.2	14,681	92.0	3.1	3.6	0.7	0.6
	Grimsby District General Hospital	17,473	15,619	8.3	4.4	1.3	14,326	93.8	3.1	1.7	0.9	0.5
(1)	Pilgrim Hospital (Boston)	15,533	14,304	6.6	3.4	1.6	13,367	94.7	2.5	1.1	1.3	0.5
	Royal Hallamshire Hospital	14,328	11,006	11.6	4.5	0.7	9,733	94.2	3.6	1.4	0.4	0.4
	Bassetlaw District General Hospital	11,933	9,154	10.5	6.0	0.9	8,193	92.3	4.5	2.2	0.7	0.3
	Grantham and District NHS Trust	8,685	7,560	7.7	7.3	1.4	6,975	90.6	6.6	1.3	1.0	0.5
Anglia & Oxford - 17 laboratories		489,839	431,885	9.3	5.9	1.2	391,616	92.2	4.6	2.0	0.7	0.6
	John Radcliffe Hospital	60,550	53,881	6.8	4.7	1.0	50,195	93.9	3.3	1.7	0.6	0.4
(1)	Norfolk & Norwich Hospital	41,381	37,637	16.9	8.7	0.9	31,266	88.5	7.5	2.9	0.4	0.6
	Stoke Mandeville Hospital	40,968	36,662	6.0	5.0	2.2	34,450	92.4	3.6	1.7	1.2	1.1
	Royal Berkshire Hospital	34,652	31,595	3.4	5.1	1.1	30,532	93.6	2.9	2.3	0.7	0.5
	Ipswich Hospital	33,481	29,337	10.8	4.4	0.9	26,165	94.1	3.6	1.4	0.5	0.5
	Northampton General Hospital	30,903	26,907	10.3	6.2	1.3	24,123	91.7	3.9	3.0	0.8	0.7
	Addenbrookes Hospital	29,879	25,875	8.7	7.7	1.0	23,635	90.5	6.2	2.3	0.6	0.5
	Wexham Park Hospital	28,005	25,220	11.1	6.3	1.5	22,433	91.2	5.2	1.8	0.8	0.9
	Kettering General Hospital	25,973	23,613	6.2	5.8	1.4	22,147	92.4	4.4	1.8	0.7	0.7
	Wycombe General Hospital	25,934	22,559	6.9	3.9	0.9	21,013	94.9	3.3	0.9	0.4	0.5
(1)	West Suffolk Hospital	23,195	20,118	9.4	10.0	1.0	18,236	87.9	8.8	2.2	0.6	0.5
	Luton and Dunstable Hospital	22,070	18,585	12.4	5.2	1.0	16,280	92.8	3.2	2.8	0.7	0.5
	James Paget Hospital	20,790	17,881	9.3	8.1	1.3	16,216	89.6	6.9	2.1	0.9	0.5
	Peterborough District Hospital	20,470	17,054	11.2	4.1	1.0	15,144	94.2	3.3	1.4	0.7	0.4
(1)	Bedford General Hospital	20,068	17,535	9.9	6.7	1.8	15,801	90.6	5.2	2.2	1.1	0.9
	Queen Elizabeth Hospital (King's Lynn)	16,729	14,743	8.9	2.9	0.5	13,435	96.3	2.3	0.9	0.3	0.3
	Hinchingbrooke Hospital	14,791	12,683	16.9	6.4	1.1	10,545	91.0	6.4	1.3	0.8	0.5

continued

Table 12 Number of smears examined by pathology laboratories, from GP and NHS Community Clinics, percentage results of women 20-64, 1997/98

Smears from GP and NHS Community Clinics - women aged 20 - 64											
	Total smears examined		Result (as a percentage of all smears)			Result (as a percentage of total adequate)					
	All sources all ages	GP & NHS CC (20 - 64)	Inadequate % (cat.1)	Borderline/ Mild % (cat. 8 & 3)	Moderate/ Severe % (cat.7, 4.5 & 6)	Total adequate smears	Negative % (cat.2)	Borderline % (cat.8)	Mild % (cat.3)	Moderate % (cat.7)	Severe % (cat.4,5 & 6)
England - 176 laboratories	4,428,938	3,790,328	9.1	5.7	1.3	3,445,457	92.3	4.0	2.2	0.8	0.6
North Thames - 26 laboratories	619,222	508,149	9.4	5.9	1.4	460,556	92.0	4.1	2.4	0.8	0.7
Watford General Hospital	60,644	53,115	6.0	3.2	1.1	49,923	95.4	2.5	0.9	0.5	0.7
Hammersmith Hospitals	38,952	26,205	12.0	9.3	1.7	23,068	87.6	8.9	1.7	1.1	0.8
Havering Hospitals (Harold Wood)	33,956	28,530	8.2	3.3	1.3	25,903	94.9	2.0	1.7	0.8	0.6
Wellhouse NHS Trust (Barnet)	31,780	28,574	13.6	2.9	0.6	24,688	95.9	2.3	1.0	0.4	0.3
Queen Elizabeth II Hospital (Herts)	27,346	24,327	8.6	4.4	1.0	22,241	94.1	3.2	1.7	0.4	0.7
Whittington Hospital	27,016	22,204	8.2	5.8	1.3	20,394	92.4	4.1	2.2	1.0	0.3
Central Middlesex Hospital	26,522	24,030	9.3	8.9	1.6	21,784	88.4	6.9	2.9	1.3	0.5
Severalls Hospital, Essex Rivers Healthcare	26,010	21,949	10.0	6.8	1.9	19,763	90.3	4.3	3.3	1.1	1.0
Chelmsford & Essex Hospital	25,920	21,794	2.9	10.9	0.7	21,168	88.0	6.1	5.1	0.5	0.2
Southend Hospital	24,013	21,118	9.3	7.4	1.2	19,150	90.6	5.5	2.6	0.7	0.6
St Bartholomew's Hospital	23,758	16,846	14.2	6.0	1.3	14,462	91.4	5.0	2.1	1.0	0.5
Basildon Hospital	23,396	20,380	12.5	4.5	0.8	17,839	94.0	2.5	2.6	0.6	0.3
Whipps Cross Hospital	23,184	20,130	10.4	7.3	1.8	18,030	89.9	4.7	3.5	1.2	0.8
St Mary's Hospital (London)	22,240	13,875	4.9	5.7	2.5	13,190	91.4	3.1	2.6	1.5	1.1
University College Hospital	21,889	13,236	6.1	8.2	2.0	12,428	89.2	4.4	4.3	1.4	0.7
Ealing Hospital	20,769	17,765	10.5	7.9	1.4	15,905	89.6	5.9	2.9	0.9	0.7
Chase Farm Hospital	19,914	17,682	7.6	5.8	1.6	16,341	91.9	3.9	2.4	1.1	0.6
The Royal London Hospital	19,844	15,591	9.6	2.3	1.0	14,094	96.4	2.2	0.3	0.5	0.6
King George Hospital (Ilford)	19,220	16,272	8.5	5.0	1.5	14,886	92.9	4.1	1.4	0.9	0.7
St Margaret's Hospital (Epping)	18,549	15,501	13.2	5.7	1.3	13,459	91.9	4.7	1.9	0.6	0.9
Smith Kline Beecham Clinical Laboratories	16,659	12,364	4.7	4.9	2.5	11,781	92.3	3.1	2.0	0.7	1.9
Northwick Park Hospital	16,294	14,051	6.4	3.8	1.2	13,154	94.7	2.5	1.5	0.6	0.6
North Middlesex Hospital	15,083	13,119	16.4	9.4	1.4	10,970	87.1	5.8	5.5	0.8	0.8
Royal Free Hospital	13,884	9,727	7.9	10.5	1.8	8,960	86.6	3.3	8.2	1.2	0.8
St Andrew's Hospital (Bow)	13,142	11,704	10.0	4.6	1.3	10,528	93.5	2.6	2.5	0.8	0.6
Lister Hospital	9,238	8,060	20.0	5.7	1.6	6,447	90.9	4.9	2.2	0.9	1.0
South Thames - 28 laboratories	660,118	572,224	8.5	5.6	1.3	523,687	92.5	3.7	2.4	0.8	0.6
William Harvey Hospital	51,499	44,893	6.6	3.9	1.1	41,932	94.6	2.4	1.8	0.7	0.5
St Thomas's Hospital	34,450	28,091	14.5	7.8	1.3	24,030	89.3	5.8	3.3	1.1	0.5
Frimley Park Hospital	31,117	27,620	11.2	5.3	1.2	24,528	92.6	3.8	2.2	0.7	0.7
St Helier Hospital	30,428	26,018	9.4	4.0	1.0	22,676	94.4	3.2	1.2	0.6	0.5
Brighton General Hospital	30,000	26,113	7.2	4.4	1.0	24,236	94.2	2.5	2.2	0.5	0.5
All Saints Hospital	29,042	24,683	6.0	3.8	1.4	23,190	94.4	1.8	2.3	1.1	0.4
Farnborough Hospital (Orpington)	28,703	26,040	11.9	4.7	1.0	22,929	93.6	2.7	2.6	0.6	0.5
St George's Hospital (Tooting)	28,473	23,798	8.5	7.7	1.2	21,771	90.2	2.4	6.0	0.6	0.7
Queen Mary's Hospital (Sidcup)	26,089	22,579	8.4	4.3	0.8	20,680	94.4	3.5	1.3	0.6	0.3
Princess Royal Hospital (Haywards Heath)	25,985	22,845	10.7	4.0	2.3	20,399	93.0	3.2	1.3	1.6	1.0
Lewisham Hospital	23,703	22,280	10.5	9.8	1.8	19,950	87.1	6.6	4.3	1.2	0.7
Kingston Hospital	23,232	21,163	7.3	4.2	0.9	19,626	94.5	3.4	1.1	0.6	0.4
Pembury Hospital	23,193	20,968	6.6	6.5	0.9	19,589	92.1	4.9	2.1	0.6	0.3
Queen Mary's (University) Hospital	22,535	18,176	9.6	8.0	1.8	16,430	89.1	5.7	3.2	1.4	0.5
St Peter's Hospital (Chertsey)	21,426	16,640	4.9	4.3	1.4	17,722	94.1	2.8	1.7	0.7	0.7
Royal Surrey County Hospital	21,156	17,766	3.8	11.2	1.4	17,065	87.0	4.3	7.3	1.0	0.4
Joyce Green Hospital	19,889	17,797	6.7	5.0	0.7	16,605	93.8	3.3	2.1	0.5	0.3
Kings College Hospital	19,888	15,543	12.4	7.8	0.9	13,610	90.0	7.3	1.6	0.6	0.4
Epsom General Hospital	18,807	16,265	8.9	6.5	1.1	14,825	91.7	2.8	4.3	0.7	0.4
Greenwich District Hospital	18,294	15,808	12.1	6.7	1.4	13,889	90.8	5.0	2.7	1.1	0.4
Mayday University Hospital	17,944	16,453	5.8	7.0	2.6	15,501	89.8	5.2	2.3	1.5	1.3
Ashford Hospital Middlesex	17,913	15,971	7.3	6.1	1.0	14,807	92.2	4.4	2.2	0.4	0.7
Worthing Hospital	17,815	14,846	7.2	5.6	1.2	13,773	92.7	4.0	2.0	0.6	0.7
Eastbourne & District Hospital	16,933	14,598	14.1	4.4	1.4	12,543	93.3	3.6	1.5	0.8	0.8
Preston Hall, Mid Kent Healthcare	16,242	14,893	5.4	3.1	1.1	14,091	95.5	2.2	1.1	0.7	0.5
East Surrey Hospital	15,467	14,229	6.3	5.2	1.6	13,336	92.8	4.1	1.5	0.9	0.7
St Richard's Hospital (Chichester)	15,226	12,569	3.2	3.8	1.1	12,170	94.9	2.9	1.1	0.6	0.6
Conquest Hospital	14,669	12,579	6.6	4.1	1.7	11,754	93.7	2.7	1.7	0.8	1.0
South West - 18 laboratories	515,801	453,360	9.2	5.8	1.3	411,439	92.1	4.2	2.2	0.8	0.6
Southmead Hospital	56,041	51,767	14.4	5.8	1.2	44,323	91.9	4.5	2.2	0.8	0.6
Royal Bournemouth General Hospital	44,156	39,143	8.2	5.4	1.2	35,919	92.6	4.1	1.8	0.8	0.5
Queen Alexandra Hospital (Cosham)	38,419	32,527	9.5	5.4	1.2	29,429	92.7	4.5	1.5	0.8	0.6
Royal Hampshire County Hospital	37,665	33,933	11.5	4.9	1.3	30,023	93.0	4.0	1.5	0.9	0.6
Southampton General Hospital	35,543	30,832	6.9	5.2	1.6	28,719	92.7	3.4	2.2	1.1	0.6
Derriford Hospital	35,534	31,226	8.0	6.4	1.2	28,740	91.8	3.3	3.6	0.7	0.6
Musgrove Park Hospital	33,616	29,663	17.4	6.8	1.2	24,509	90.3	5.3	3.0	0.9	0.6
Royal Devon & Exeter Hospital	33,350	29,285	7.0	9.5	1.6	27,236	88.1	7.2	3.0	1.0	0.7
Royal United Hospital	31,078	27,032	6.1	4.6	1.3	25,389	93.7	3.5	1.4	0.8	0.7
Royal Cornwall Hospital (Treliske)	30,951	27,596	7.2	6.7	1.4	25,611	91.2	3.9	3.3	0.9	0.7
Gloucestershire Royal Hospital	25,891	23,446	7.1	4.9	1.5	21,776	93.1	4.1	1.3	1.1	0.5
Princess Margaret Hospital (Swindon)	22,478	19,666	7.2	6.4	1.8	18,250	91.2	4.0	2.9	1.1	0.9
Torbay Hospital	22,461	20,473	6.3	3.6	1.3	19,181	94.8	2.4	1.4	0.7	0.7
Salisbury District Hospital	17,938	14,391	8.4	9.1	1.6	13,188	88.4	4.7	5.2	1.1	0.6
Cheltenham General Hospital	17,597	15,417	8.0	4.3	1.2	14,179	94.0	3.8	1.0	0.4	0.9
West Dorset Hospital	17,339	15,983	8.1	3.2	0.9	14,686	95.6	2.3	1.1	0.5	0.5
St Mary's Hospital (Isle of Wight)	11,858	10,293	6.3	7.2	1.3	9,648	90.8	5.9	1.8	0.8	0.6
Bristol Royal Infirmary	3,986	687	7.9	7.0	2.3	633	89.9	5.2	2.4	1.4	1.1

continued

Table 12 Number of smears examined by pathology laboratories, from GP and NHS Community Clinics, percentage results of women 20-64, 1997/98

Smears from GP and NHS Community Clinics - women aged 20 - 64											
Total smears examined		Result (as a percentage of all smears)			Result (as a percentage of total adequate)						
All sources all ages	GP & NHS CC (20 - 64)	Inadequate % (cat.1)	Borderline/ Mild % (cat. 8 & 3)	Moderate/ Severe % (cat.7, 4.5 & 6)	Total adequate smears	Negative % (cat.2)	Borderline % (cat.8)	Mild % (cat.3)	Moderate % (cat.7)	Severe % (cat.4,5 & 6)	
England - 176 laboratories	4,428,938	3,790,328	9.1	5.7	1.3	3,445,457	92.3	4.0	2.2	0.8	0.6
West Midlands - 19 laboratories	477,227	422,263	8.9	6.0	1.4	384,490	91.9	4.4	2.1	0.9	0.6
(4)											
North Staffordshire Hospital	42,010	38,080	5.1	7.5	1.3	37,097	90.7	5.3	2.6	0.9	0.5
Princess Royal Hospital (Telford)	41,296	36,940	7.7	7.4	1.7	34,106	90.2	4.3	3.7	1.1	0.7
Birmingham Women's Healthcare	38,091	29,596	8.0	5.5	1.8	27,216	92.0	4.0	2.0	1.2	0.8
Birmingham Heartlands Hospital	37,453	34,022	12.2	6.0	1.4	29,884	91.5	4.5	2.4	1.0	0.6
Walsgrave General Hospital	32,173	28,327	9.0	7.1	2.0	25,767	90.0	5.0	2.8	1.3	0.9
Newcross Hospital (Wolverhampton)	31,268	27,331	8.7	5.9	1.3	24,963	92.1	4.8	1.7	0.8	0.5
Russells Hall Hospital (Dudley)	29,106	26,636	12.4	4.8	1.2	23,336	93.1	4.3	1.2	0.8	0.6
Walsall Manor Hospital	25,440	22,079	11.1	5.0	1.2	19,626	93.0	3.9	1.8	1.0	0.3
Good Hope Hospital	24,458	21,488	9.7	7.7	1.2	19,402	90.1	5.7	2.9	0.9	0.5
Warwick Hospital	22,303	20,825	8.5	3.4	1.1	19,054	95.1	2.7	0.9	0.8	0.4
Queen's Hospital (Burton)	21,960	20,540	10.9	4.4	1.0	18,311	94.0	3.7	1.3	0.8	0.2
Staffordshire General Hospital	20,686	18,568	6.2	8.1	1.8	17,420	89.5	6.4	2.2	1.3	0.7
Sandwell District General Hospital	19,828	16,786	5.4	4.2	1.2	15,879	94.3	3.2	1.3	0.6	0.7
Worcester Royal Infirmary	18,403	16,375	14.4	5.2	1.7	14,065	92.0	4.8	1.3	1.0	1.0
City Hospital Birmingham	17,782	14,845	11.9	4.7	0.9	13,075	93.6	3.5	1.9	0.5	0.5
George Eliot Hospital (Nuneaton)	16,660	15,123	5.5	6.5	2.2	14,297	90.8	3.9	3.0	1.2	1.1
County Hospital Hereford	16,076	14,234	10.4	5.5	1.0	12,750	92.7	4.0	2.2	0.6	0.5
Alexandra Hospital (Redditch)	13,400	11,828	5.8	5.0	1.1	11,147	93.6	3.7	1.5	0.7	0.5
Kidderminster General Hospital	8,834	7,640	7.1	6.1	1.2	7,095	92.1	5.3	1.3	0.8	0.5
North West - 28 laboratories	628,199	509,970	9.1	5.9	1.4	463,331	92.0	3.7	2.7	0.9	0.7
Christie Hospital	106,578	89,154	6.6	5.7	1.2	83,275	92.6	3.9	2.2	0.8	0.5
Royal Liverpool Hospital	37,099	26,458	13.6	4.4	1.3	22,870	93.4	2.1	3.0	0.8	0.7
Chorley & District Hospital	32,948	26,314	7.3	5.3	1.5	24,405	92.7	3.1	2.6	0.8	0.8
Arrowe Park Hospital	32,166	27,380	9.2	4.5	1.4	24,850	93.5	2.8	2.1	0.9	0.7
Stepping Hill Hospital (Stockport)	30,459	25,953	7.0	7.9	1.1	24,147	90.3	4.1	4.4	0.6	0.6
Warrington Hospital	29,310	25,058	7.1	4.2	1.5	23,273	93.9	2.7	1.8	0.9	0.7
Victoria Hospital (Blackpool)	28,637	23,480	9.1	6.3	2.0	21,349	90.8	3.2	3.8	1.4	0.9
Leighton Hospital	28,433	22,638	11.0	2.7	1.4	20,150	95.4	1.7	1.3	0.6	1.0
Countess of Chester Hospital	28,040	25,167	11.0	6.7	1.6	22,395	90.7	3.9	3.6	1.2	0.6
Fazakerley Hospital	26,582	24,413	14.4	7.0	1.2	20,907	90.4	4.7	3.4	0.8	0.6
Blackburn Royal Infirmary	26,248	22,710	11.4	5.3	1.5	20,126	92.3	4.0	2.0	0.8	0.8
Royal Bolton Hospital	24,414	20,711	4.8	5.5	1.8	19,726	92.3	3.5	2.3	1.1	0.8
Burnley General Hospital	23,158	19,873	11.7	7.7	1.7	17,556	89.4	6.2	2.5	1.3	0.6
Whiston Hospital	22,945	18,886	12.1	8.7	1.5	16,595	88.4	3.0	6.9	1.0	0.7
Tameside General Hospital	19,521	16,047	8.8	3.5	0.9	14,639	95.2	2.4	1.4	0.7	0.3
Macclesfield District Hospital	18,942	15,152	6.2	7.9	1.9	14,212	89.5	4.2	4.2	1.3	0.8
Bury General Hospital	18,513	15,480	11.9	7.5	1.8	13,635	89.5	6.9	1.6	1.1	1.0
Oldham Royal Hospital	15,387	12,333	9.9	9.1	1.9	11,110	87.8	6.4	3.8	1.3	0.8
Birch Hill Hospital (Rochdale)	14,639	12,315	5.8	5.6	1.7	11,597	92.3	2.9	3.0	1.2	0.6
Furness General Hospital	13,678	12,310	12.7	5.5	0.7	10,750	92.9	4.4	1.9	0.3	0.4
Southport General Infirmary	12,381	10,948	10.0	4.1	1.2	9,853	94.1	3.1	1.5	0.8	0.5
Royal Lancaster Infirmary	11,214	9,263	7.5	7.6	1.2	8,572	90.5	5.6	2.6	0.8	0.5
Ormskirk & District General Hospital	8,746	7,327	7.1	3.5	0.7	6,805	95.5	2.3	1.5	0.4	0.4
(5) Manchester Royal Infirmary	6,125	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
(5) Royal Albert Edward Infirmary (Wigan)	4,253	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
(5) Trafford General Hospital	3,530	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
(5) Hope Hospital (Salford)	2,174	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
(5) North Manchester General Hospital	2,079	480	9.6	6.3	2.1	434	90.8	5.3	1.6	1.8	0.5

(1) Incomplete data: partly apportioned

(2) Includes St Andrews, Bow from Jan 98

(3) Deals mostly with referrals

(4) Includes Rugby (Hospital of St Cross) from 11.8.97

(5) Do not report smears from GP & NHS Community Clinics. North Manchester figures relate to period before October 97 only.

n/a not applicable

Table 13 Outcome of referrals for smears registered at the laboratory between April - June 1997.

Women referred after persistent non-negative smear (ie category 1/8/3 result)

	Total	Total with known result	Cancer	CIN 2/3 & adenocarcinoma in situ	CIN1	HPV only	No CIN/ No HPV	Inadequate biopsy	Colposcopy NAD
Numbers									
England	16,544	10,523	22	2,544	3,288	1,255	1,889	219	1,306
Northern & Yorkshire	1,904	1,527	3	428	439	181	252	21	203
Trent	1,397	1,142	1	282	286	82	245	10	236
Anglia & Oxford	993	858	1	198	229	199	122	16	93
North Thames	3,106	1,318	1	338	465	155	150	31	178
South Thames	3,371	1,366	3	355	509	164	241	32	62
South West	1,192	982	2	264	321	76	180	23	116
West Midlands	1,651	1,184	7	242	295	120	281	39	200
North West	2,930	2,146	4	437	744	278	418	47	218
Percentage of cases with known result									
England		100.00	0.2	24.2	31.2	11.9	18.0	2.1	12.4
Northern & Yorkshire		100.00	0.2	28.0	28.7	11.9	16.5	1.4	13.3
Trent		100.00	0.1	24.7	25.0	7.2	21.5	0.9	20.7
Anglia & Oxford		100.00	0.1	23.1	26.7	23.2	14.2	1.9	10.8
North Thames		100.00	0.1	25.6	35.3	11.8	11.4	2.4	13.5
South Thames		100.00	0.2	26.0	37.3	12.0	17.6	2.3	4.5
South West		100.00	0.2	26.9	32.7	7.7	18.3	2.3	11.8
West Midlands		100.00	0.6	20.4	24.9	10.1	23.7	3.3	16.9
North West		100.00	0.2	20.4	34.7	13.0	19.5	2.2	10.2

Women referred after single occurrence of potentially significant abnormality (ie category 7/4/5/6 result)

	Total	Total with known result	Cancer	CIN 2/3 & adenocarcinoma in situ	CIN1	HPV only	No CIN/ No HPV	Inadequate biopsy	Colposcopy NAD
Numbers									
England	14,061	11,805	358	8,391	1,434	362	795	170	295
Northern & Yorkshire	1,894	1,707	61	1,257	174	44	110	19	42
Trent	1,295	1,171	34	851	131	21	94	10	30
Anglia & Oxford	1,280	1,188	34	842	160	34	70	24	24
North Thames	1,945	1,493	33	1,080	216	59	60	19	26
South Thames	2,245	1,586	42	1,108	215	47	104	26	44
South West	1,491	1,346	40	960	158	36	87	25	40
West Midlands	1,583	1,381	64	979	125	50	107	20	36
North West	2,328	1,933	50	1,314	255	71	163	27	53
Percentage of cases with known result									
England		100.00	3.0	71.1	12.1	3.1	6.7	1.4	2.5
Northern & Yorkshire		100.00	3.6	73.6	10.2	2.6	6.4	1.1	2.5
Trent		100.00	2.9	72.7	11.2	1.8	8.0	0.9	2.6
Anglia & Oxford		100.00	2.9	70.9	13.5	2.9	5.9	2.0	2.0
North Thames		100.00	2.2	72.3	14.5	4.0	4.0	1.3	1.7
South Thames		100.00	2.6	69.9	13.6	3.0	6.6	1.6	2.8
South West		100.00	3.0	71.3	11.7	2.7	6.5	1.9	3.0
West Midlands		100.00	4.6	70.9	9.1	3.6	7.7	1.4	2.6
North West		100.00	2.6	68.0	13.2	3.7	8.4	1.4	2.7