

Cervical Screening Programme, England: 1999-2000

This bulletin summarises information from the computerised call and recall system for cervical screening and from pathology laboratories on cervical cytology in England in 1999-2000, including some information about earlier years.

KEY FACTS

At 31 March 2000:

- 83.7% 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 86 of the 99 Health Authorities the coverage was 80% or higher. In only 2 Health Authorities was the coverage less than 70%.

In 1999-2000:

- 3.8 million women were screened, the majority after a formal invitation from the screening programme.
- Laboratories examined an estimated 4.3 million smears.

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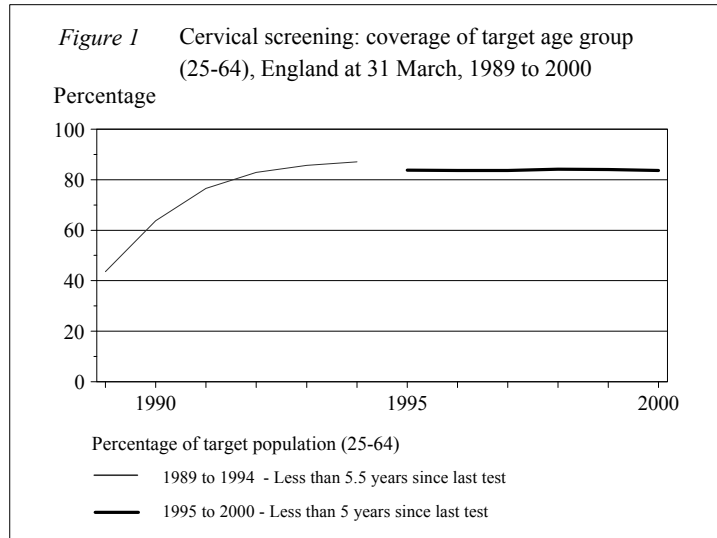
1 INTRODUCTION

1.1 This is the sixth 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).

1.2 KC53 returns were received from all 99 Health Authorities (HAs) and almost all returns were complete. KC61 returns were received from all of the 163 laboratories known to carry out cervical smear testing, but a few were only partially completed. Estimates have been made of the missing data (see 4.4 below).

1.3 The KC53 return was amended in 2000 to include for the first time information about the time from screening to notification of result and about recall status of women following different screening test results; more detail was also included about time since last screening test. Analysis of the new data is in sections 2.1.4, 2.4 and 2.5 below.

1.4 National policy for the screening programme is that eligible women should



be screened every 3 to 5 years. Before 1995, coverage figures were based on a 5½ year period, in order to allow for delays between invitation and the actual screening test. From 1995, 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 are based on women aged 25-64 (the same age group as used for GP payments).

1.5 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.

2 ANALYSIS AND COMMENTARY - CALL AND RECALL PROGRAMME

2.1 Coverage (Tables 1, 2, 9)

2.1.1 About 83.7% of women aged 25-64 at 31 March 2000 were recorded as being less than 5 years since their last screening. This is a similar proportion to each of the preceding five 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 for non-clinical reasons; however, the data suggest that coverage has been over 80% since 1992 (Figure 1).

2.1.2 Although the overall coverage has remained much the same since 1995, analysis by age shows a slight falling off of coverage among 20-34 year old women and increasing coverage of women aged 50-64.

2.1.3 Coverage of the target age group 25-64 in 2000 varied considerably between Regional Office areas, from 86.6% in Trent to 76.8% in London. At the health authority level, 47 of the 99 HAs reported coverage higher than 85%. In only 13 HAs was coverage below 80%; coverage was below 70% in only 2 HAs. (Figure 2).

2.1.4 More detailed information about time since last screening test was collected in the KC53 returns for the year 2000. This suggests that in addition to the 77% of women in the target age group (including those with recall ceased) who on 31st March 2000 were less than 5 years since their last test, a further 9% were within 10 years of their last test and 3% were within 15 years. About 1% of women were reported as having had at least one screening test, but not within the last 15 years. Only 10% of women in the target age group were

reported as never having had a screening test.

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

2.2.1 About 3.9 million women were invited for screening in 1999-2000, 8% more than in 1998-99. For 18% of women this was their first invitation (call) and for 58% a routine recall. About 12% of invitations were early recalls for surveillance, 5% were early recalls following persistent findings of borderline changes or mild dyskaryosis and 7% were recalls following inadequate smears.

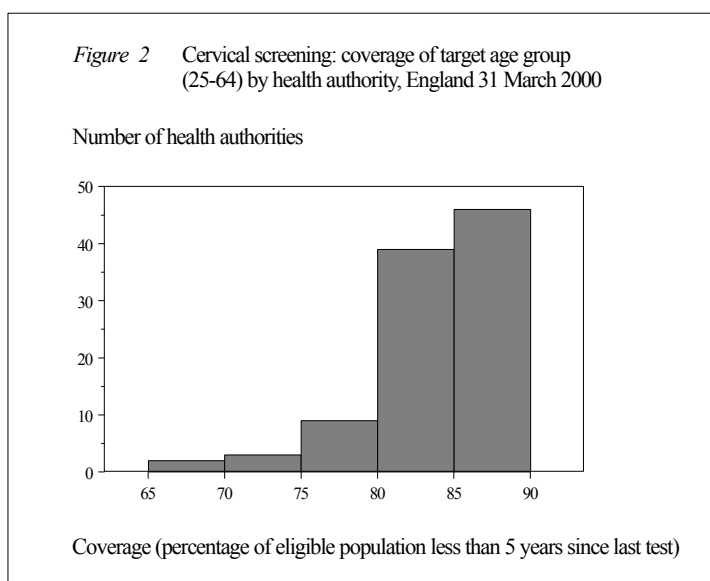
2.2.2 About 3.8 million women were tested in the year. Of these, 2.4 million were tested following an invitation and 1.4 million (36%) were opportunistic screening tests, ie, those initiated either by the smear taker or by the woman, without her necessarily having been

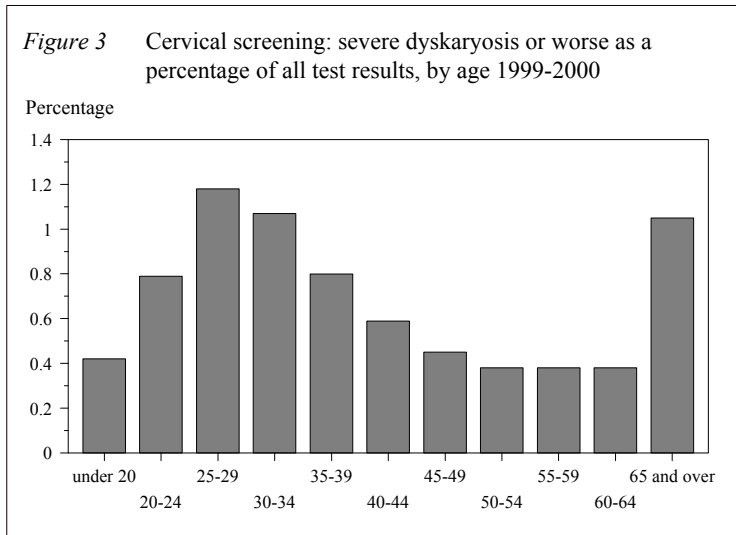
invited; in particular, some women are routinely recalled by their GPs earlier than at the HA standard interval. Because women recorded as having an opportunistic screen may nevertheless have been invited through such a GP programme, it is not possible to calculate the percentage uptake of invitations from the HA database.

2.3 Test results (Tables 7, 8 and 9)

2.3.1 About one in ten 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 3.6 million women who did have a result in 1999-2000, 91.8% were negative, 6.5% 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 (1.2%) for women aged 25-29, falling to 0.4% for women aged 50 to 64 (Figure 3).

2.3.2 In 62 of the HAs the proportion of women presenting with an abnormal (including severe dyskaryosis or worse) result was between 5% and 8%. 19 had between 8% and 10% abnormal (including severe dyskaryosis or worse); in 18 HAs the proportion lay outside the range 5% to 10%. (Figure 4).





2.4 Time from screening to notification of result (Table 10)

2.4.1 Data about the time from the taking of a smear to the notification of the test result were collected for the first time in 1999-2000. The information is currently available only where the result letter is sent by the Health Authority; this was reported as occurring in about 2/3 of cases overall, though there were large differences between regions. Where result letters were sent by HAs 32% were sent within 4 weeks of the smear being taken, and a further 48% were more than 4 weeks but within 8 weeks. In 4% of cases the time to notification was over 12 weeks; the regions with the greatest proportions of such cases were London (15%) and South West (8%).

2.5 Recall status (Table 11)

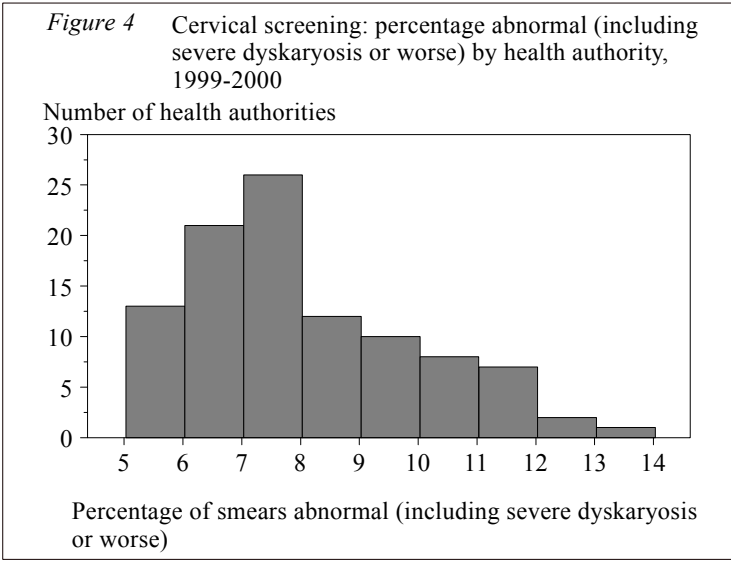
2.5.1 Data about the recall status of women with

different screening results were collected for the first time 1999-2000. Normal recall status, defined as action code A (routine recall) may be used only where the test result is negative. In 1999-2000, about 86% of women who had nothing other than a negative test result in the year had a normal recall status. Almost all the remaining women with negative smears had a repeat recall status; and about 1% had a suspend recall status.

2.5.2 Repeat recall status, action code R, requires a

further smear earlier than routine recall, typically within 6 months of the previous test. This may be used where a test result is negative, inadequate, borderline or mild dyskaryosis. In 1999-2000, about 59% of women whose most severe test result in the year was mild dyskaryosis had a repeat recall status; the corresponding proportion for borderline was 78%, and for inadequate 96%. The balance of women in these three groups had a suspend recall status.

2.5.3 Suspend recall status, action code S, is an indication that recall has been suspended due to referral. This is the only allowable status following a test result of moderate dyskaryosis or worse. In 1999-2000, almost all women whose most severe test result in the year was moderate dyskaryosis or worse had a suspend recall status; however, a small number of such women were recorded with repeat recall status.



3 ANALYSIS AND COMMENTARY - CERVICAL CYTOLOGY

3.1 Smears examined (Tables 12 and 14)

3.1.1 An estimated 4.3 million smears were examined by pathology laboratories in 1999-2000, broadly similar to the number in each year since 1988-89. About 3.9 million (91% 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 smears taken following the discovery of symptoms or cytological abnormality.

3.1.2 Of the GP and NHS Community Clinic smears examined in 1999-2000 for women aged between 20 and 64, about 9.8% were inadequate specimens and no result could be determined. The proportion inadequate was around 6% in the years 1989-90 to 1992-93, but has risen in each year since then. At laboratory level, there was wide variation in the proportion of smears judged to be inadequate; in over two thirds of the laboratories the proportion of such smears was between 6% and 12%, about 1 in 7 laboratories found between 12% and 14% inadequate and in only a few laboratories did the proportion lie outside the range 6 to 14% (Figure 5).

3.2 Results (Tables 13 and 14)

3.2.1 The percentage of adequate GP and NHS Community Clinic smears tested in 1999-2000 for women aged 20-64, which were reported as being negative was 92.1%. Borderline changes were found in 4.3% of such smears, mild dyskaryosis in 2.3%, moderate dyskaryosis in 0.8% and severe dyskaryosis in 0.6%; suspected invasive carcinoma or glandular neoplasia were found in 0.1% 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.

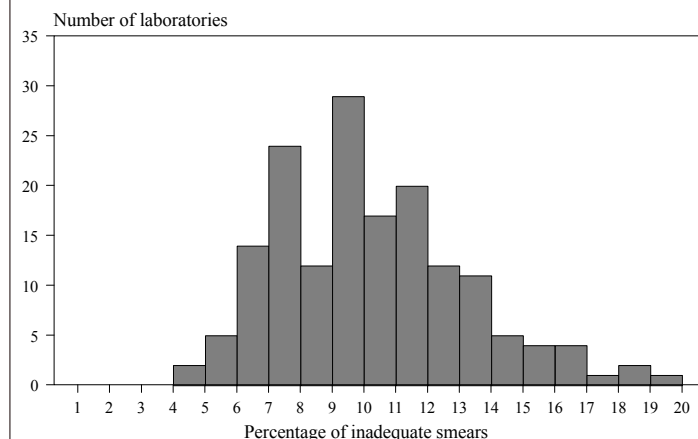
3.2.2 At laboratory level there was wide variation in the percentage distribution of results, in particular in the proportion reported as borderline.

3.2.3 The distribution of the individual laboratory results is used for quality assurance purposes, as set out in sections 8.2 – 8.4 of the second edition of *Achievable standards for Cervical Cytopathology*, NHSCSP publication No 1, May 2000. Target ranges for laboratory reporting are set from the 10th and 90th percentiles of the distributions of 4 key indicators. The ranges for 1998 – 99 and 1999 – 2000 are set out in Table A.

3.3 Outcome of gynaecological referrals (Tables 14 and 15)

3.3.1 Information about outcomes of gynaecological referrals for smears registered

Figure 5 Cervical cytology: Percentage of smears from GP & NHS Community Clinics found to be inadequate, by laboratory, England 1999-2000



Indicator	10th - 90th percentile range	
	1998 - 1999	1999 - 2000
Inadequate as % of all smears	5.8% - 12.9%	6.3% - 13.7%
Mild / borderline as % of adequate smears	4.1% - 9.5%	4.2% - 9.5%
Moderate or worse as % of adequate smears	1.0% - 2.0%	1.0% - 1.9%
PPV for CIN2 or worse	65% - 90%	68% - 87%
<i>Number of laboratories whose results were used</i>	159	155

Source : Form KC61

during April - June 2000 was provided by all laboratories with sizeable numbers of screening programme smears. 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 and 8% showed CIN3 or adenocarcinoma in situ; 12% showed CIN2 and 30% showed CIN1; 13% showed HPV only, 17% showed no CIN or HPV, 3% were inadequate biopsies and in 17% 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, 3.0% were found to be cancerous and 45% showed CIN3 or adenocarcinoma in situ; 25% showed CIN2 and 12% showed CIN1; 4% showed HPV only, 6% showed no CIN or HPV, 1% were inadequate

biopsies and in 4% no abnormality was detected at colposcopy.

3.3.4 A positive predictive value (PPV) was calculated for each laboratory (see 4.4 below); reported PPVs ranged from 46% to 96% with nearly three quarters lying between 70% and 85% (Figure 7).

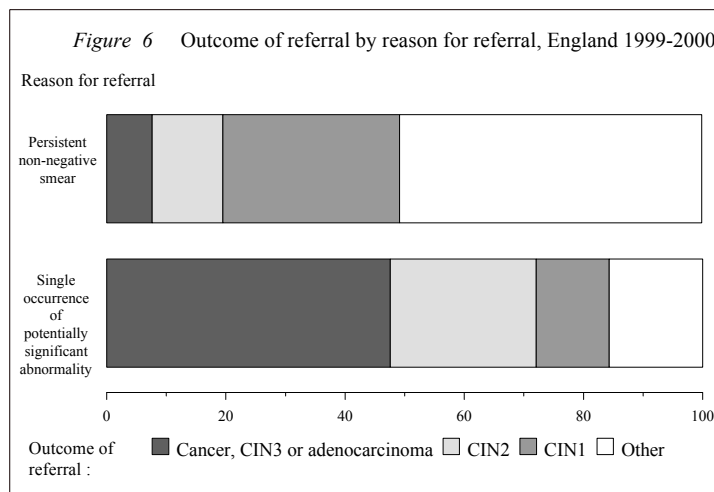
4 DEFINITIONS

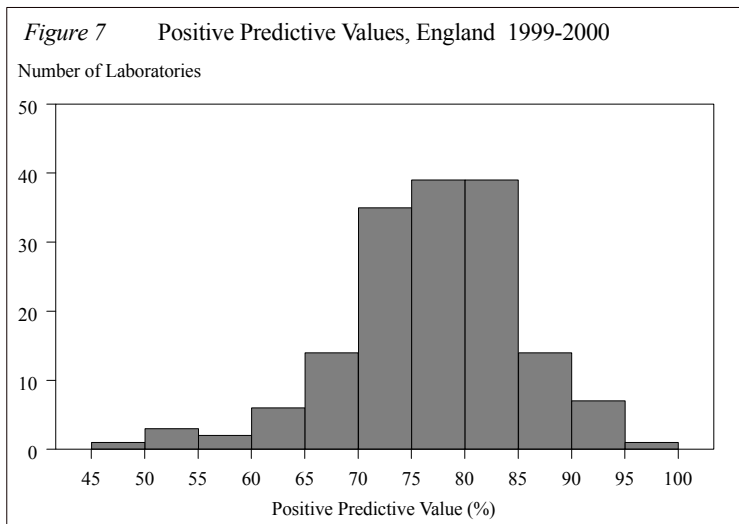
4.1 The terms “severe dyskaryosis or worse”, “abnormal” and “negative” used in the text to describe the result of a smear test are defined as follows in terms of the categories used on the cytology report form HMR 101/5:

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 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 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.

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

4.5 There were a number of changes in 1999-2000 to laboratories returning KC61s:

Mergers: Omskirk and District Hospital merged with Southport General Infirmary. The Northern General Hospital merged with the Royal Hallamshire Hospital. Queen Mary's Hospital (Roehampton) merged with Kingston Hospital. Ashford Hospital merged with St Peter's Hospital and Kidderminster General Hospital merged with Alexandra Hospital.

Name changes: Fazakerley Hospital became the University Hospital Aintree. Grimsby District Hospital became the Diana, Princess of Wales Hospital. Smith Kline Beecham Clinical Laboratories are now known as Quest Diagnostics and All Saints Hospital has become Medway Maritime.

Others: Trafford General Hospital, Hope Hospital and North Manchester no longer carry out cervical smear testing within the

National Screening Programme.

5 EDITORIAL NOTES

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Table 1 Cervical screening programme: test status of women and coverage by age, 31 March 2000

England									Thousands
Age at 31 March 1999	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⁾		
		for clinical reasons	for age reasons	for other reasons			(less than 5 years since last test) (%)	Number of women less than 3 years since last test ⁽¹⁾	
All age groups	26,160.8	1,474.8	1,201.8	1,213.3	7,886.2	12,248.2	-	9,688.8	
25-64	13,717.0	1,112.7	220.4	149.5	31.6	10,551.2	83.7	8,475.0	
Under 20	6,219.3	0.0	0.0	0.0	5,973.2	91.4	1.5	86.2	
20-24	1,595.5	0.2	0.0	1.0	56.4	922.0	57.8	789.9	
25-29	1,902.3	1.5	0.0	3.0	11.6	1,493.5	78.6	1,223.7	
30-34	2,084.9	10.8	0.0	5.6	6.9	1,745.7	84.2	1,429.5	
35-39	2,028.8	39.0	0.0	8.6	4.1	1,715.7	86.2	1,397.2	
40-44	1,751.1	91.3	0.0	11.2	2.7	1,433.5	86.4	1,143.9	
45-49	1,606.1	168.6	0.0	15.1	1.9	1,243.8	86.5	988.8	
50-54	1,722.4	281.7	0.0	22.9	1.8	1,232.3	85.5	972.4	
55-59	1,379.0	273.6	0.0	25.8	1.3	913.5	82.6	721.4	
60-64	1,242.2	246.2	220.4	57.2	1.4	773.3	77.6	598.1	
65-69	1,144.0	197.7	497.1	194.9	15.7	506.7	53.5	264.6	
70-74	1,082.2	133.1	358.3	414.0	70.3	132.6	14.0	51.4	
75 and over	2,402.7	31.1	126.0	453.8	1,739.0	44.4	1.9	21.7	

Table 2 Cervical screening programme: test status and coverage of target age group (25-64) by region, 31 March 2000

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⁾		
		for clinical reasons	for age reasons	for other reasons			(less than 5 years since last test) (%)	Number of women less than 3 years since last test ⁽¹⁾	
England	13,717.0	1,112.7	220.4	149.5	31.6	10,551.2	83.7	8,475.0	
Northern and Yorkshire	1,689.9	130.2	27.8	25.2	1.4	1,335.0	85.6	1,106.6	
Trent	1,377.1	121.1	26.4	16.4	1.0	1,088.3	86.6	888.9	
Eastern	1,467.7	136.1	28.2	20.6	1.7	1,133.3	85.1	856.3	
London	2,260.9	117.7	20.3	13.8	12.2	1,646.4	76.8	1,322.7	
South East	2,387.9	228.5	40.2	12.3	10.6	1,847.3	85.5	1,500.1	
South West	1,326.5	125.4	27.3	12.8	2.0	1,021.7	85.1	748.2	
West Midlands	1,427.5	111.1	20.9	18.5	1.4	1,112.4	84.5	930.8	
North West	1,779.6	142.6	29.1	29.8	1.4	1,366.8	83.5	1,121.4	

(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 reasons.

Table 1a

Cervical screening programme:
5 year coverage at 31 March by age, 1996 to 2000

England		<i>percentages</i>				
		Coverage (less than 5 years since last adequate test)				
Age at 31 March	1996	1997	1998	1999	2000	
25-64	83.7	83.6	84.2	84.0	83.7	
Under 20	3.0	2.7	2.6	2.1	1.5	
20-24	64.6	63.0	62.6	60.6	57.8	
25-29	80.9	80.0	80.4	79.6	78.6	
30-34	85.4	84.9	85.2	84.7	84.2	
35-39	86.8	86.4	86.9	86.6	86.2	
40-44	86.7	86.4	86.9	86.7	86.4	
45-49	86.4	86.4	86.8	86.7	86.5	
50-54	84.7	85.0	85.5	85.6	85.5	
55-59	80.9	81.4	81.8	82.4	82.6	
60-64	73.6	75.1	76.7	77.3	77.6	
65-69	50.0	51.7	54.2	55.2	53.5	
70-74	12.7	13.2	13.7	14.3	14.0	
75 and over	2.1	2.0	2.0	2.0	1.9	

Table 1b

Cervical screening programme:
3 year coverage at 31 March by age, 1996 to 2000

		<i>percentages</i>				
		Coverage (less than 3 years since last adequate test)				
Age at 31 March	1996	1997	1998	1999	2000	
25-64	66.3	66.8	67.8	67.4	67.2	
Under 20	2.8	2.6	2.5	2.0	1.4	
20-24	54.2	53.2	53.4	51.9	49.5	
25-29	65.5	65.2	66.4	65.5	64.4	
30-34	69.4	69.3	70.4	69.6	68.9	
35-39	69.8	69.9	71.2	70.7	70.2	
40-44	68.0	68.3	69.4	69.0	68.9	
45-49	67.4	68.2	69.1	68.7	68.8	
50-54	65.4	66.6	67.4	67.3	67.5	
55-59	62.4	63.7	64.2	64.5	65.3	
60-64	55.7	57.9	58.8	59.0	60.0	
65-69	30.7	31.6	31.2	29.3	28.0	
70-74	6.0	6.3	6.2	5.6	5.4	
75 and over	1.0	1.0	1.1	1.0	0.9	

Source : Form KC53

Table 3 Cervical screening programme: number of women invited in the year by type of invitation and age, 1999-2000

England							Number
Age at 31 March 2000	Type of Invitation						
	Total	Call	Routine Recall	Repeat in less than 3 years for reasons of			
				Surveillance	Abnormality	Inadequate Smear	
All Age Groups	3,860,287	698,149	2,252,607	454,619	173,882	281,030	
25-64	3,204,517	347,841	2,075,952	404,587	136,850	239,287	
Under 20	20,764	7,997	2,415	2,443	4,156	3,753	
20-24	537,869	320,187	113,746	38,563	31,044	34,329	
25-29	539,508	121,715	262,009	75,043	33,513	47,228	
30-34	557,743	62,587	333,789	84,982	27,849	48,536	
35-39	513,962	41,159	333,031	74,000	22,761	43,011	
40-44	415,333	29,511	281,090	54,725	17,255	32,752	
45-49	348,431	23,109	243,131	42,819	14,124	25,248	
50-54	342,228	24,683	248,900	37,337	11,481	19,827	
55-59	260,670	21,493	197,278	22,415	6,222	13,262	
60-64	217,219	23,584	176,724	13,266	3,645	9,423	
65-69	66,224	14,174	41,775	6,072	1,287	2,916	
70-74	22,411	6,295	13,335	1,957	341	483	
75 and over	8,502	1,655	5,384	997	204	262	

Table 4 Cervical screening programme: number of women aged 25-64 invited in the year by type of invitation and region, 1999-2000

England							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	3,204,517	347,841	2,075,952	404,587	136,850	239,287	
Northern and Yorkshire	391,530	30,758	262,182	52,967	14,439	31,184	
Trent	310,318	20,358	210,984	36,723	12,686	29,567	
Eastern	283,494	23,607	177,446	50,290	12,463	19,688	
London	646,055	131,229	386,897	62,649	26,610	38,670	
South East	501,493	47,978	347,481	64,284	19,355	22,395	
South West	289,792	20,300	192,035	40,830	14,852	21,775	
West Midlands	373,435	33,014	252,489	39,853	15,697	32,382	
North West	408,400	40,597	246,438	56,991	20,748	43,626	

Source : Form KC53

Table 5 Cervical screening programme: number of women tested in the year by type of invitation and age, 1999-2000

England		Type of Invitation							Number
Age at 31 March 2000	Total	Call	Routine Recall	Repeat in less than 3 years for reasons of					
				Surveillance	Abnormality	Inadequate Smear	While Recall Suspended	Opportunistic Screen	
All Age Groups	3,766,396	132,369	1,455,794	330,667	139,884	221,448	146,454	1,339,780	
25-64	3,273,425	54,342	1,372,436	297,976	112,438	192,807	122,223	1,121,203	
Under 20	45,801	394	865	1,389	2,915	2,326	1,819	36,093	
20-24	365,924	77,110	59,840	24,437	23,131	23,414	19,660	138,332	
25-29	507,501	23,512	150,953	51,521	26,224	35,219	29,584	190,488	
30-34	573,875	11,506	207,171	61,309	22,440	38,120	27,071	206,258	
35-39	542,867	6,883	218,620	55,023	18,813	34,862	20,811	187,855	
40-44	441,695	4,015	189,285	41,242	14,599	26,993	14,491	151,070	
45-49	374,975	2,761	167,947	32,619	12,114	21,319	11,353	126,862	
50-54	361,084	2,343	175,479	28,874	9,920	16,993	9,399	118,076	
55-59	262,215	1,724	140,338	17,252	5,303	11,419	5,831	80,348	
60-64	209,213	1,598	122,643	10,136	3,025	7,882	3,683	60,246	
65-69	61,854	421	19,952	4,741	1,020	2,410	1,766	31,544	
70-74	12,649	81	2,127	1,459	256	345	592	7,789	
75 and over	6,743	21	574	665	124	146	394	4,819	

Table 6 Cervical screening programme: number of women aged 25-64 tested in the year by type of invitation and region, 1999-2000

England		Type of Invitation							Number
Regional Office area	Total	Call	Routine Recall	Repeat in less than 3 years for reasons of					
				Surveillance	Abnormality	Inadequate Smear	While Recall Suspended	Opportunistic Screen	
England	3,273,425	54,342	1,372,436	297,976	112,438	192,807	122,223	1,121,203	
Northern and Yorkshire	426,605	3,838	183,461	36,320	11,873	26,822	22,205	142,086	
Trent	346,056	2,948	148,873	28,072	10,857	24,549	15,691	115,066	
Eastern	324,594	4,358	123,506	36,837	10,748	15,415	10,596	123,134	
London	522,527	21,492	207,463	42,782	19,709	27,739	15,741	187,601	
South East	571,620	8,130	237,986	49,621	16,278	17,496	12,880	229,229	
South West	279,027	4,218	134,316	31,845	12,795	18,079	7,228	70,546	
West Midlands	356,945	4,428	179,997	33,466	13,865	26,729	11,145	87,315	
North West	446,111	4,930	156,834	39,093	16,313	35,978	26,737	166,226	

Source : Form KC53

Table 7 Cervical screening programme: test result by age, 1999-2000

England

Age at 31 March 2000	Total (1)	Result (2)							
		Negative		Borderline/Mild Dyskaryosis		Moderate Dyskaryosis		Severe Dyskaryosis or worse (3)	
		number	%	number	%	number	%	number	%
All age groups	3,596,086	3,302,280	91.8	234,985	6.5	32,279	0.9	26,542	0.7
25-64	3,138,324	2,907,330	92.6	183,719	5.9	24,409	0.8	22,866	0.7
under 20	42,282	34,462	81.5	6,735	15.9	908	2.1	177	0.4
20-24	336,089	284,717	84.7	42,027	12.5	6,678	2.0	2,667	0.8
25-29	473,083	417,960	88.3	41,579	8.8	7,945	1.7	5,599	1.2
30-34	543,353	495,916	91.3	35,546	6.5	6,061	1.1	5,830	1.1
35-39	518,948	479,836	92.5	30,858	5.9	4,081	0.8	4,173	0.8
40-44	425,148	396,098	93.2	24,205	5.7	2,327	0.5	2,518	0.6
45-49	362,940	339,407	93.5	20,333	5.6	1,565	0.4	1,635	0.5
50-54	352,701	333,376	94.5	16,813	4.8	1,158	0.3	1,354	0.4
55-59	256,711	245,828	95.8	9,137	3.6	768	0.3	978	0.4
60-64	205,440	198,909	96.8	5,248	2.6	504	0.2	779	0.4
65-69	60,678	58,325	96.1	1,767	2.9	189	0.3	397	0.7
70-74	12,309	11,580	94.1	475	3.9	60	0.5	194	1.6
75 and over	6,404	5,866	91.6	262	4.1	35	0.5	241	3.8

Table 8 Cervical screening programme: test result of women aged 25-64 by region, 1999-2000

Regional Office area	Total (1)	Result (2)							
		Negative		Borderline/Mild Dyskaryosis		Moderate Dyskaryosis		Severe Dyskaryosis or worse (3)	
		number	%	number	%	number	%	number	%
England	3,138,324	2,907,330	92.6	183,719	5.9	24,409	0.8	22,866	0.7
Northern and Yorkshire	409,994	383,187	93.5	20,847	5.1	2,596	0.6	3,364	0.8
Trent	328,783	307,831	93.6	16,381	5.0	2,438	0.7	2,133	0.6
Eastern	315,361	293,765	93.2	17,544	5.6	2,014	0.6	2,038	0.6
London	499,386	455,701	91.3	35,706	7.1	4,518	0.9	3,461	0.7
South East	573,628	519,411	90.5	46,758	8.2	3,816	0.7	3,643	0.6
South West	269,924	248,617	92.1	17,035	6.3	2,149	0.8	2,123	0.8
West Midlands	339,328	312,613	92.1	21,587	6.4	2,847	0.8	2,281	0.7
North West	421,920	386,205	91.5	27,861	6.6	4,031	1.0	3,823	0.9

Source : Form KC53

- (1) excluding those women all of whose tests during the year were classified as 'inadequate'
(2) most severe result in the year
(3) severe dyskaryosis or worse includes results reported as severe dyskaryosis, severe dyskaryosis/?invasive carcinoma, or ?glandular neoplasia

Table 9 Cervical screening programme: coverage of the Target Age Group (25-64) and results of tests by Health Authority, 1999-2000

Health Authority Code	Name	Eligible Population (1) (000's)	Coverage (less than 5 yrs since last test) (%)	Coverage (less than 3 yrs since last test) (%)	Number of women screened (2) (000's)	Result of test			
						Negative (%)	Borderline/Mild Dyskaryosis (%)	Moderate Dyskaryosis (%)	Severe Dyskaryosis or worse (3) (%)
England		12,604.2	83.7	67.2	3,138.3	92.6	5.9	0.8	0.7
Northern & Yorkshire		1,559.6	85.6	71.0	410.0	93.5	5.1	0.6	0.8
QDD	BRADFORD HA	112.6	82.1	58.5	22.85	94.5	3.9	0.6	1.1
QDT	CALDERDALE & KIRKLEES HA	145.6	87.0	68.4	38.0	92.6	6.2	0.7	0.5
QDE	COUNTY DURHAM HA	152.2	85.7	75.3	42.4	92.6	5.8	0.7	0.9
QDF	EAST RIDING HA	139.9	86.6	74.4	38.9	95.4	3.1	0.7	0.9
QDG	GATESHEAD & SOUTH TYNESIDE HA	86.6	84.3	71.5	21.2	93.6	4.5	0.8	1.2
QDH	LEEDS HA	175.7	82.9	62.4	37.7	94.2	4.3	0.6	1.0
QDJ	NEWCASTLE & NORTH TYNESIDE HA	115.2	84.1	69.3	28.8	91.3	7.2	0.6	0.9
QDK	NORTH CUMBRIA HA	81.2	86.9	76.9	22.7	94.8	3.8	0.8	0.7
QDR	NORTH YORKSHIRE HA	187.2	88.5	79.6	53.8	94.4	4.5	0.5	0.5
QDM	NORTHUMBERLAND HA	75.9	88.8	78.2	21.4	91.1	7.3	0.5	1.1
QDN	SUNDERLAND HA	72.6	83.6	59.5	16.3	92.4	5.9	0.7	1.0
QDP	TEES HA	135.6	85.3	74.1	34.3	93.6	5.1	0.7	0.7
QDQ	WAKEFIELD HA	79.0	86.8	71.5	21.6	92.8	5.7	0.8	0.7
Trent		1,256.1	86.6	70.8	328.8	93.6	5.0	0.7	0.6
QCG	BARNSELY HA	57.4	83.3	57.6	12.5	88.2	9.9	1.2	0.6
QCK	DONCASTER HA	70.5	87.7	76.7	19.9	93.1	5.8	0.6	0.5
QCL	LEICESTERSHIRE HA	228.8	86.1	69.3	53.9	94.9	3.9	0.6	0.6
QCM	LINCOLNSHIRE HA	155.8	85.0	66.3	36.5	94.3	4.4	0.8	0.5
QCH	NORTH DERBYSHIRE HA	90.9	89.2	78.4	26.8	92.5	6.3	0.7	0.5
QCN	NORTH NOTTINGHAMSHIRE HA	96.0	88.9	78.4	28.6	95.1	4.0	0.5	0.4
QCP	NOTTINGHAM HA	153.9	87.8	73.3	44.1	94.5	4.1	0.5	0.9
QCQ	ROTHERHAM HA	63.1	84.1	60.3	13.8	91.4	6.6	1.0	1.0
QCR	SHEFFIELD HA	123.6	86.5	75.1	32.2	92.9	5.4	1.0	0.8
QCJ	SOUTH DERBYSHIRE HA	139.5	87.5	71.9	34.2	93.7	4.8	0.7	0.8
QDL	SOUTH HUMBER HA	76.6	85.6	64.7	19.4	92.9	5.2	1.1	0.8
Eastern		1,331.6	85.1	64.3	315.4	93.2	5.6	0.6	0.6
QA6	BEDFORDSHIRE HA	142.2	83.9	58.0	29.8	93.0	5.8	0.7	0.5
QER	CAMBRIDGE HA	174.8	86.7	65.7	41.7	92.7	5.7	0.8	0.8
QEP	EAST & NORTH HERTFORDSHIRE HA	131.1	84.5	60.8	28.1	93.4	4.9	0.7	1.0
QET	NORFOLK HA	186.5	86.6	65.2	41.3	94.7	4.3	0.5	0.6
QAX	NORTH ESSEX HA	224.8	84.3	61.2	54.3	91.7	7.1	0.6	0.5
QAY	SOUTH ESSEX HA	175.9	82.1	57.4	38.1	92.6	5.9	0.8	0.7
QCF	SUFFOLK HA	159.0	87.9	78.5	43.3	93.1	5.9	0.5	0.5
QEQ	WEST HERTFORDSHIRE HA	137.4	84.8	68.8	32.8	94.8	3.9	0.6	0.7
London		2,143.2	76.8	61.7	499.4	91.3	7.1	0.9	0.7
QAP	BARKING & HAVERING HA	94.9	83.5	62.1	21.8	90.1	8.1	0.9	0.9
QAA	BARNET HA	94.9	77.9	65.1	21.4	93.1	5.3	0.8	0.8
QAR	BEXLEY & GREENWICH HA	117.4	81.0	67.5	36.1	92.0	6.8	0.7	0.5
QAS	BRENT & HARROW HA	144.6	77.8	63.5	31.7	94.1	4.6	0.6	0.6
QAC	BROMLEY HA	78.8	86.9	76.8	22.1	93.8	4.8	0.7	0.7
QAT	CAMDEN & ISLINGTON HA	137.1	68.5	51.5	27.8	88.3	10.0	0.8	0.9
QAD	CROYDON HA	90.8	79.3	54.1	18.9	89.2	8.6	1.4	0.8
QAV	EALING HAMMERSMITH & HOUNSLOW HA	218.0	74.6	62.3	51.5	89.8	8.5	1.0	0.7
QAW	EAST LONDON & THE CITY HA	175.8	75.6	62.2	39.5	94.6	4.0	0.7	0.7
QA4	ENFIELD & HARINGEY HA	156.0	72.1	52.9	30.4	91.6	6.8	1.0	0.6
QA2	HILLINGDON HA	64.3	82.9	68.8	15.6	94.5	4.0	0.8	0.7
QA3	KENSINGTON CHELSEA & WESTMINSTER HA	118.0	68.6	54.1	23.0	89.3	8.9	1.1	0.7
QAG	KINGSTON & RICHMOND HA	93.6	83.5	71.7	24.0	93.3	5.4	0.8	0.5
QAH	LAMBETH SOUTHWARK & LEWISHAM HA	239.0	76.7	63.2	59.8	89.2	9.0	1.2	0.6
QAJ	MERTON SUTTON & WANDSWORTH HA	194.2	77.9	66.1	47.9	90.0	8.3	0.9	0.8
QA5	REDBRIDGE & WALTHAM FOREST HA	125.7	76.6	54.4	24.4	90.7	7.6	0.9	0.8

continued

Table 9 continued Cervical screening programme: coverage of the Target Age Group (25-64) and results of tests by Health Authority, 1999-2000

Health Authority Code	Name	Eligible Population (1) (000's)	Coverage (less than 5 yrs since last test) (%)	Coverage (less than 3 yrs since last test) (%)	Number of women screened (2) (000's)	Result of test			
						Negative (%)	Borderline/Mild Dyskaryosis (%)	Moderate Dyskaryosis (%)	Severe Dyskaryosis or worse (2) (%)
England		12,604.2	83.7	67.2	3,138.3	92.6	5.9	0.8	0.7
South East		2,159.3	85.5	69.5	553.6	93.8	4.8	0.7	0.7
QA7	BERKSHIRE HA	212.4	81.1	58.5	47.9	93.2	5.3	0.6	0.9
QA8	BUCKINGHAMSHIRE HA	179.7	87.3	75.6	49.3	94.6	4.1	0.5	0.8
QAE	EAST KENT HA	134.2	88.1	76.0	37.9	95.4	3.5	0.6	0.5
QAK	EAST SURREY HA	108.1	86.8	76.5	30.3	94.6	4.2	0.6	0.6
QAM	EAST SUSSEX BRIGHTON & HOVE HA	182.9	87.1	72.9	51.5	94.1	4.6	0.6	0.7
QD4	ISLE OF WIGHT HA	29.9	89.5	79.6	9.5	89.9	7.8	1.2	1.1
QD1	NORTH & MID HAMPSHIRE HA	140.4	85.2	64.8	33.1	92.5	5.8	1.0	0.7
QCC	NORTHAMPTONSHIRE HA	153.8	87.0	76.0	42.8	93.7	5.0	0.7	0.6
QCE	OXFORDSHIRE HA	157.2	84.1	72.0	39.9	93.5	5.4	0.7	0.5
QD2	PORTSMOUTH & SOUTH EAST HAMPSHIRE HA	132.1	83.1	58.3	31.0	91.8	6.3	1.2	0.8
QD3	SOUTHAMPTON & SOUTH WEST HAMPSHIRE HA	129.7	84.8	66.0	30.7	94.0	4.7	0.7	0.5
QAF	WEST KENT HA	247.8	86.7	68.9	64.3	93.7	5.1	0.6	0.6
QAL	WEST SURREY HA	166.0	86.0	75.8	46.8	94.9	3.9	0.6	0.6
QAN	WEST SUSSEX HA	185.0	85.0	63.9	41.1	93.9	4.7	0.7	0.7
South West		1,201.0	85.1	62.3	269.9	92.1	6.3	0.8	0.8
QD8	AVON HA	248.1	83.6	53.7	46.4	92.1	6.0	0.9	0.9
QDV	CORNWALL & ISLES OF SCILLY HA	122.3	84.4	63.2	27.2	91.9	6.5	0.9	0.7
QDW	DORSET HA	161.6	89.2	79.0	47.1	94.3	4.7	0.5	0.5
QDY	GLOUCESTERSHIRE HA	137.9	85.6	63.2	29.1	92.1	6.1	0.9	0.9
QDX	NORTH & EAST DEVON HA	117.4	81.8	54.0	22.8	89.5	9.2	0.6	0.7
QD5	SOMERSET HA	117.0	86.7	57.8	24.2	89.1	9.1	0.9	0.8
QD6	SOUTH & WEST DEVON HA	141.6	86.4	70.1	32.2	93.3	4.8	0.8	1.0
QD7	WILTSHIRE HA	155.1	83.2	59.8	33.1	92.0	6.4	0.9	0.7
West Midlands		1,316.4	84.5	70.7	339.3	92.1	6.4	0.8	0.7
QD9	BIRMINGHAM HA	244.9	80.6	68.2	61.0	88.5	9.5	1.3	0.7
QEA	COVENTRY HA	71.5	83.8	64.0	15.1	94.9	3.7	0.5	1.0
QEC	DUDLEY HA	77.7	86.0	73.6	20.2	94.4	4.3	0.7	0.6
QED	HEREFORDSHIRE HA	41.1	86.1	76.7	9.8	93.8	4.9	0.8	0.5
QEH	NORTH STAFFORDSHIRE HA	112.7	86.6	76.9	31.8	90.2	8.1	1.0	0.7
QEE	SANDWELL HA	72.0	81.7	61.6	17.0	93.7	4.9	0.7	0.8
QEF	SHROPSHIRE HA	106.7	87.1	73.2	27.6	91.8	6.7	0.8	0.7
QEG	SOLIHULL HA	51.7	86.2	74.6	14.1	91.4	7.0	0.9	0.7
QEJ	SOUTH STAFFORDSHIRE HA	151.1	87.1	77.2	40.4	93.1	5.7	0.6	0.6
QEK	WALSALL HA	63.9	84.3	73.4	16.6	92.9	6.0	0.7	0.5
QEL	WARWICKSHIRE HA	128.7	86.5	75.6	34.1	93.8	4.7	0.8	0.6
QEM	WOLVERHAMPTON HA	58.1	82.6	65.4	13.5	93.4	5.2	0.7	0.7
QEN	WORCESTERSHIRE HA	136.3	83.9	60.7	29.3	93.4	5.2	0.7	0.7
North West		1,637.0	83.5	68.5	421.9	91.5	6.6	1.0	0.9
QCT	BURY & ROCHDALE HA	97.8	84.0	64.6	23.8	88.8	8.7	1.3	1.0
QCX	EAST LANCASHIRE HA	126.3	86.5	75.1	37.1	92.1	6.4	0.8	1.3
QC2	LIVERPOOL HA	115.5	76.5	56.8	25.1	90.0	7.4	1.2	1.3
QC3	MANCHESTER HA	103.3	74.8	57.3	21.7	88.6	8.6	1.4	1.0
QC4	MORECAMBE BAY HA	74.5	82.2	64.6	16.1	91.4	6.7	0.9	1.1
QCV	NORTH CHESHIRE HA	81.4	85.0	72.3	20.5	92.4	5.9	1.0	0.9
QCY	NORTH WEST LANCASHIRE HA	111.6	83.9	65.9	29.1	93.2	5.0	0.9	0.8
QC6	SALFORD & TRAFFORD HA	107.8	83.3	62.6	24.1	91.1	7.0	1.0	0.8
QC7	SEFTON HA	69.6	81.3	70.7	16.1	91.5	6.9	0.8	0.7
QCW	SOUTH CHESHIRE HA	173.3	87.2	76.1	48.7	93.0	5.4	0.7	1.1
QC1	SOUTH LANCASHIRE HA	79.3	86.1	73.4	22.3	94.7	3.9	0.5	0.7
QC5	ST HELENS & KNOWSLEY HA	83.4	82.3	60.7	19.8	86.8	10.9	1.2	0.8
QC8	STOCKPORT HA	74.1	84.1	63.9	16.7	91.2	7.2	0.8	0.7
QC9	WEST PENNINE HA	116.2	87.0	76.3	32.0	91.1	7.2	1.0	0.9
QDA	WIGAN & BOLTON HA	143.4	84.9	74.8	38.4	92.9	5.3	1.0	0.9
QDC	WIRRAL HA	79.6	83.2	72.3	20.1	91.9	6.3	1.0	0.8

Source : Form KC53

(1) This is the number of women in the resident population less those with recall ceased for clinical reasons

(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

Table 10 Cervical Screening Programme: Time from screening to notification of result by region, 1999-2000

	Percentages								
	England	Northern & Yorkshire	Trent	Eastern	London	South East	South West	West Midlands	North West
Less than 4 weeks	32	44	35	33	23	34	36	26	30
>4 weeks up to 6 weeks	27	27	34	37	26	25	18	21	29
>6 weeks up to 8 weeks	21	21	21	20	15	15	18	24	26
>8 weeks up to 10 weeks	12	7	5	6	12	15	13	18	11
>10 weeks up to 12 weeks	5	1	2	2	8	6	7	7	3
over 12 weeks	4	1	3	2	15	4	8	3	1
Total with letter sent by Health Authority = 100%	2,716,667	415,494	242,474	161,024	319,948	411,324	198,642	398,557	569,204
Letter not sent by Health Authority	1,482,697	128,312	199,890	260,414	350,660	312,378	155,078	57,285	18,680

Source : Form KC53 Part E

Table 11 Cervical Screening programme: Recall status by most severe screening result and region 1999 - 2000

		Percentages								
Result of Test	Recall Status(%)	England	Northern & Yorkshire	Trent	Eastern	London	South East	South West	West Midlands	North West
Inadequate (cat.1)	Total Smears(=100%)	330,544	39,549	39,527	32,390	52,396	49,427	26,534	38,337	52,384
	Suspend	4	7	3	2	1	2	2	4	7
	Repeat	96	93	97	98	99	98	98	96	93
Negative (cat.2)	Total Smears(=100%)	3,008,434	398,905	316,394	301,374	474,817	538,643	255,357	323,032	399,912
	Normal	86	86	88	81	86	87	84	88	84
	Suspend	1	3	1	1	1	0	0	1	2
	Repeat	13	11	11	18	13	13	16	11	14
Borderline changes (cat.8)	Total Smears(=100%)	146,817	19,176	13,493	14,469	27,081	22,223	13,902	15,171	21,302
	Suspend	22	30	34	27	12	16	14	22	29
	Repeat	78	70	66	73	88	84	86	78	71
Mild Dyskaryosis (cat.3)	Total Smears(=100%)	76,020	7,196	7,261	7,016	15,537	11,054	6,798	7,986	13,172
	Suspend	41	52	49	51	34	32	36	36	45
	Repeat	59	48	51	49	66	68	64	64	55
Moderate Dyskaryosis (cat.7)	Total Smears(=100%)	31,087	3,330	3,113	2,596	5,530	4,856	2,732	3,595	5,335
	Suspend	98	100	98	99	99	96	100	97	99
	Repeat	2	0	2	1	1	4	0	3	1
Severe Dyskaryosis (cat.4)	Total Smears(=100%)	21,773	3,196	2,059	1,891	3,276	3,449	1,969	2,186	3,747
	Suspend	99	100	98	100	99	97	100	100	100
	Repeat	1	0	2	0	1	3	0	0	0
Severe/? invasive Carcinoma (cat.5)	Total Smears(=100%)	1,068	179	74	88	195	105	103	116	208
	Suspend	98	99	92	100	99	93	100	98	100
	Repeat	2	1	8	0	1	7	0	2	0
?Glandular Neoplasia (cat.6)	Total Smears(=100%)	2,692	411	270	277	303	473	287	267	404
	Suspend	95	82	99	98	96	94	98	96	99
	Repeat	5	18	1	2	4	6	2	4	1

Source : Form KC53 Part F

Table 12

Number and percentage of smears examined by pathology laboratories, by source of smear and Regional Office area, 1999-2000

	Total smears	Result of test				Number	Result of test					Percentage
		Inadequate	Negative	Borderline/ Mild	Moderate Dyskaryosis		Severe or worse	Inadequate	Negative	Borderline/ Mild	Moderate Dyskaryosis	
England												
All Sources	4,259,454	414,210	3,491,822	286,985	37,093	29,344	9.7	82.0	6.7	0.9	0.7	
GP	3,679,265	360,073	3,053,859	218,866	26,251	20,216	9.8	83.0	5.9	0.7	0.5	
NHSCC	186,987	19,429	151,532	13,229	1,691	1,106	10.4	81.0	7.1	0.9	0.6	
GUM	54,766	5,846	38,083	9,321	1,100	416	10.7	69.5	17.0	2.0	0.8	
NHS Hosp	292,021	25,358	210,818	41,066	7,580	7,199	8.7	72.2	14.1	2.6	2.5	
Private	28,009	1,528	23,075	2,892	250	264	5.5	82.4	10.3	0.9	0.9	
Other	18,406	1,976	14,455	1,611	221	143	10.7	78.5	8.8	1.2	0.8	
Northern & Yorkshire												
All Sources	539,992	48,567	451,182	32,372	3,735	4,136	9.0	83.6	6.0	0.7	0.8	
GP	468,983	41,743	395,979	25,525	2,773	2,963	8.9	84.4	5.4	0.6	0.6	
NHSCC	24,227	2,479	19,932	1,501	171	144	10.2	82.3	6.2	0.7	0.6	
GUM	2,940	362	2,020	488	45	25	12.3	68.7	16.6	1.5	0.9	
NHS Hosp	40,808	3,690	30,841	4,586	722	969	9.0	75.6	11.2	1.8	2.4	
Private	1,556	132	1,247	158	5	14	8.5	80.1	10.2	0.3	0.9	
Other	1,478	161	1,163	114	19	21	10.9	78.7	7.7	1.3	1.4	
Trent												
All Sources	440,156	49,828	359,181	25,073	3,495	2,579	11.3	81.6	5.7	0.8	0.6	
GP	388,859	43,739	320,923	19,705	2,604	1,888	11.2	82.5	5.1	0.7	0.5	
NHSCC	19,051	2,404	14,964	1,391	171	121	12.6	78.5	7.3	0.9	0.6	
GUM	4,488	563	3,105	688	101	31	12.5	69.2	15.3	2.3	0.7	
NHS Hosp	25,620	2,879	18,496	3,126	597	522	11.2	72.2	12.2	2.3	2.0	
Private	1,455	136	1,179	120	9	11	9.3	81.0	8.2	0.6	0.8	
Other	683	107	514	43	13	6	15.7	75.3	6.3	1.9	0.9	
Eastern												
All Sources	430,983	40,239	357,442	27,530	3,127	2,645	9.3	82.9	6.4	0.7	0.6	
GP	387,162	36,445	323,995	22,472	2,305	1,945	9.4	83.7	5.8	0.6	0.5	
NHSCC	9,481	919	7,791	633	79	59	9.7	82.2	6.7	0.8	0.6	
GUM	4,065	375	2,999	583	80	28	9.2	73.8	14.3	2.0	0.7	
NHS Hosp	25,637	2,190	18,881	3,376	620	570	8.5	73.6	13.2	2.4	2.2	
Private	3,714	186	3,056	396	38	38	5.0	82.3	10.7	1.0	1.0	
Other	924	124	720	70	5	5	13.4	77.9	7.6	0.5	0.5	
London												
All Sources	692,198	67,227	555,327	57,435	7,451	4,758	9.7	80.2	8.3	1.1	0.7	
GP	547,545	55,413	446,250	38,797	4,484	2,601	10.1	81.5	7.1	0.8	0.5	
NHSCC	54,072	4,885	44,283	4,131	476	297	9.0	81.9	7.6	0.9	0.5	
GUM	20,628	2,245	14,263	3,600	383	137	10.9	69.1	17.5	1.9	0.7	
NHS Hosp	59,051	4,195	41,609	9,652	1,973	1,622	7.1	70.5	16.3	3.3	2.7	
Private	8,620	362	7,085	996	99	78	4.2	82.2	11.6	1.1	0.9	
Other	2,282	127	1,837	259	36	23	5.6	80.5	11.3	1.6	1.0	
South East												
All Sources	733,613	60,210	621,209	42,154	5,690	4,350	8.2	84.7	5.7	0.8	0.6	
GP	652,324	54,037	556,396	34,151	4,371	3,369	8.3	85.3	5.2	0.7	0.5	
NHSCC	24,258	2,175	20,170	1,560	241	112	9.0	83.1	6.4	1.0	0.5	
GUM	10,756	835	8,043	1,646	172	60	7.8	74.8	15.3	1.6	0.6	
NHS Hosp	36,345	2,561	28,217	4,005	824	738	7.0	77.6	11.0	2.3	2.0	
Private	7,517	332	6,470	598	59	58	4.4	86.1	8.0	0.8	0.8	
Other	2,413	270	1,913	194	23	13	11.2	79.3	8.0	1.0	0.5	
South West												
All Sources	354,027	32,529	291,699	24,251	2,906	2,642	9.2	82.4	6.9	0.8	0.7	
GP	319,887	29,346	265,990	20,175	2,303	2,073	9.2	83.2	6.3	0.7	0.6	
NHSCC	9,423	1,101	7,351	798	94	79	11.7	78.0	8.5	1.0	0.8	
GUM	2,030	225	1,287	451	46	21	11.1	63.4	22.2	2.3	1.0	
NHS Hosp	19,061	1,553	14,132	2,517	426	433	8.1	74.1	13.2	2.2	2.3	
Private	1,280	79	1,073	104	5	19	6.2	83.8	8.1	0.4	1.5	
Other	2,346	225	1,866	206	32	17	9.6	79.5	8.8	1.4	0.7	
West Midlands												
All Sources	469,265	48,885	380,542	32,857	4,091	2,890	10.4	81.1	7.0	0.9	0.6	
GP	418,205	43,592	343,196	26,106	3,102	2,209	10.4	82.1	6.2	0.7	0.5	
NHSCC	16,427	1,815	13,182	1,157	174	99	11.0	80.2	7.0	1.1	0.6	
GUM	3,809	420	2,562	684	95	48	11.0	67.3	18.0	2.5	1.3	
NHS Hosp	27,610	2,798	19,024	4,591	690	507	10.1	68.9	16.6	2.5	1.8	
Private	1,016	88	750	157	9	12	8.7	73.8	15.5	0.9	1.2	
Other	2,198	172	1,828	162	21	15	7.8	83.2	7.4	1.0	0.7	
North West												
All Sources	599,220	66,725	475,240	45,313	6,598	5,344	11.1	79.3	7.6	1.1	0.9	
GP	496,300	55,758	401,130	31,935	4,309	3,168	11.2	80.8	6.4	0.9	0.6	
NHSCC	30,048	3,651	23,859	2,058	285	195	12.2	79.4	6.8	0.9	0.6	
GUM	6,050	821	3,804	1,181	178	66	13.6	62.9	19.5	2.9	1.1	
NHS Hosp	57,889	5,492	39,618	9,213	1,728	1,838	9.5	68.4	15.9	3.0	3.2	
Private	2,851	213	2,215	363	26	34	7.5	77.7	12.7	0.9	1.2	
Other	6,082	790	4,614	563	72	43	13.0	75.9	9.3	1.2	0.7	

Source : Form KC61 Part A

Table 12a Number and percentage of smears examined by pathology laboratories, by source of smear and result, 1999-2000

England	Total all ages	Source					
		GP	NHSCC	GUM	NHS Hospital	Private	Other
Numbers							
Total	4,259,454	3,679,265	186,987	54,766	292,021	28,009	18,406
Inadequate	414,210	360,073	19,429	5,846	25,358	1,528	1,976
Negative	3,491,822	3,053,859	151,532	38,083	210,818	23,075	14,455
Borderline changes	183,475	142,682	7,976	5,170	24,611	2,137	899
Mild Dyskaryosis	103,510	76,184	5,253	4,151	16,455	755	712
Moderate Dyskaryosis	37,093	26,251	1,691	1,100	7,580	250	221
Severe Dyskaryosis	24,706	17,107	968	389	5,924	199	119
?Invasive Carcinoma	1,378	863	40	10	444	15	6
?Glandular Neoplasia	3,260	2,246	98	17	831	50	18
Percentages by result							
Total	100	100	100	100	100	100	100
Inadequate	9.72	9.79	10.39	10.67	8.68	5.46	10.74
Negative	81.98	83.00	81.04	69.54	72.19	82.38	78.53
Borderline changes	4.31	3.88	4.27	9.44	8.43	7.63	4.88
Mild Dyskaryosis	2.43	2.07	2.81	7.58	5.63	2.70	3.87
Moderate Dyskaryosis	0.87	0.71	0.90	2.01	2.60	0.89	1.20
Severe Dyskaryosis	0.58	0.46	0.52	0.71	2.03	0.71	0.65
?Invasive Carcinoma	0.03	0.02	0.02	0.02	0.15	0.05	0.03
?Glandular Neoplasia	0.08	0.06	0.05	0.03	0.28	0.18	0.10
Percentages by source							
Total	100.00	86.38	4.39	1.29	6.86	0.66	0.43
Inadequate	100.00	86.93	4.69	1.41	6.12	0.37	0.48
Negative	100.00	87.46	4.34	1.09	6.04	0.66	0.41
Borderline changes	100.00	77.77	4.35	2.82	13.41	1.16	0.49
Mild Dyskaryosis	100.00	73.60	5.07	4.01	15.90	0.73	0.69
Moderate Dyskaryosis	100.00	70.77	4.56	2.97	20.44	0.67	0.60
Severe Dyskaryosis	100.00	69.24	3.92	1.57	23.98	0.81	0.48
?Invasive Carcinoma	100.00	62.63	2.90	0.73	32.22	1.09	0.44
?Glandular Neoplasia	100.00	68.90	3.01	0.52	25.49	1.53	0.55

Source : Form KC61 Part A

Table 13 GP & NHS Community Clinic smears examined by pathology laboratories, by result and age of women, 1999-2000

England

Age Groups	Total	Result of Test							
		Inadequate	Negative	Borderline changes	Mild Dyskaryosis	Moderate Dyskaryosis	Severe Dyskaryosis	?Invasive Carcinoma	?Glandular Neoplasia
Numbers									
All ages	3,866,252	379,501	3,205,392	150,658	81,437	27,942	18,075	903	2,344
20 - 64	3,723,428	366,603	3,090,020	143,844	75,770	26,509	17,650	826	2,206
Under 20	79,241	9,077	57,978	5,437	5,216	1,272	258	1	2
20 - 24	376,140	46,316	280,438	22,192	19,181	5,736	2,180	32	65
25 - 29	530,984	63,309	414,876	23,479	17,545	7,026	4,408	95	246
30 - 34	590,470	64,429	481,659	21,857	12,648	5,110	4,300	154	313
35 - 39	552,968	57,652	458,652	20,740	9,289	3,417	2,767	124	327
40 - 44	451,164	43,891	379,728	17,405	6,184	1,955	1,569	119	313
45 - 49	385,885	33,770	329,849	15,034	4,689	1,269	931	92	251
50 - 54	364,715	26,640	320,164	12,465	3,439	950	679	78	300
55 - 59	263,860	18,153	235,714	6,831	1,759	642	486	61	214
60 - 64	207,242	12,443	188,940	3,841	1,036	404	330	71	177
65 - 69	49,639	3,013	44,953	1,006	325	115	112	42	73
70 - 74	9,876	517	8,906	254	91	30	29	16	33
75 and over	4,068	291	3,535	117	35	16	26	18	30
Percentages									
All ages	100.0	9.8	82.9	3.9	2.1	0.7	0.5	0.0	0.1
20 - 64	100.0	9.8	83.0	3.9	2.0	0.7	0.5	0.0	0.1
Under 20	100.0	11.5	73.2	6.9	6.6	1.6	0.3	0.0	0.0
20 - 24	100.0	12.3	74.6	5.9	5.1	1.5	0.6	0.0	0.0
25 - 29	100.0	11.9	78.1	4.4	3.3	1.3	0.8	0.0	0.0
30 - 34	100.0	10.9	81.6	3.7	2.1	0.9	0.7	0.0	0.1
35 - 39	100.0	10.4	82.9	3.8	1.7	0.6	0.5	0.0	0.1
40 - 44	100.0	9.7	84.2	3.9	1.4	0.4	0.3	0.0	0.1
45 - 49	100.0	8.8	85.5	3.9	1.2	0.3	0.2	0.0	0.1
50 - 54	100.0	7.3	87.8	3.4	0.9	0.3	0.2	0.0	0.1
55 - 59	100.0	6.9	89.3	2.6	0.7	0.2	0.2	0.0	0.1
60 - 64	100.0	6.0	91.2	1.9	0.5	0.2	0.2	0.0	0.1
65 - 69	100.0	6.1	90.6	2.0	0.7	0.2	0.2	0.1	0.1
70 - 74	100.0	5.2	90.2	2.6	0.9	0.3	0.3	0.2	0.3
75 and over	100.0	7.2	86.9	2.9	0.9	0.4	0.6	0.4	0.7

Source : Form KC61 Part B

Table 14 Number of smears examined by pathology laboratories, from GP and NHS Community Clinics, percentage results of women 20-64, 1999-200

	Smears from GP and NHS Community Clinics - women aged 20 - 64									
	Total smears examined		Result (as a percentage of total adequate)							PPV %
	All sources all ages	GP & NHS CC (20 - 64)	Inadequate % (cat.1)	Total adequate smears	Negative % (cat.2)	Borderline % (cat.8)	Mild % (cat.3)	Moderate % (cat.7)	Severe % (cat.4,5 & 6)	
England - 163 laboratories	4,259,454	3,723,428	9.8	3,356,825	92.1	4.3	2.3	0.8	0.6	
Northern & Yorkshire - 23 laboratories	539,992	475,033	9.0	432,296	92.8	4.2	1.6	0.6	0.7	
Leeds Teaching Hospitals	90,311	77,324	9.0	70,350	94.4	3.6	0.7	0.5	0.8	80.3
Royal Victoria Infirmary (Newcastle)	53,781	47,528	9.3	43,091	89.6	6.6	2.2	0.6	1.0	80.1
(1) Castle Hill Hospital	37,244	32,148	6.2	30,155	95.3	2.5	0.7	0.7	0.8	82.1
Queen Elizabeth Hospital (Gateshead)	30,667	27,566	13.7	23,789	93.0	4.1	1.4	0.8	0.8	83.0
Dryburn Hospital	28,577	25,555	12.0	22,501	93.1	3.5	2.0	0.5	0.9	74.3
York District Hospital	26,983	24,088	10.7	21,503	92.3	4.4	2.1	0.5	0.6	81.3
Middlesbrough General Hospital	25,497	23,282	7.6	21,509	92.5	5.3	1.2	0.6	0.4	86.7
Sunderland Royal Hosp.	23,089	20,441	12.0	17,983	91.4	4.5	2.4	0.8	0.9	90.0
Huddersfield Royal Infirmary	19,025	16,125	6.0	15,154	92.4	3.7	2.6	0.8	0.4	77.6
Scarborough Hospital	18,741	17,019	7.2	15,793	94.5	2.6	2.0	0.7	0.3	86.8
Pinderfields General Hospital	17,679	16,174	6.9	15,061	90.6	4.8	3.3	0.9	0.5	64.9
Cumberland Infirmary (Carlisle)	17,599	15,644	6.0	14,705	94.8	3.0	1.1	0.7	0.5	78.7
North Tees General Hospital	17,054	14,874	11.1	13,216	93.0	4.3	1.3	0.7	0.7	88.3
Royal Halifax Infirmary	15,992	14,692	6.0	13,816	95.8	2.0	1.3	0.6	0.4	76.6
Dewsbury District Hospital	15,688	13,066	7.2	12,131	85.5	10.2	3.4	0.6	0.3	75.9
Harrogate General Hospital	14,995	13,213	9.8	11,919	94.0	3.5	1.4	0.5	0.5	82.8
Bishop Auckland General Hospital	14,877	12,981	6.5	12,137	89.5	6.6	2.0	1.0	0.8	85.4
North Tyneside District General	14,347	12,181	11.6	10,764	93.7	3.6	1.2	0.6	0.8	81.6
Hartlepool General Hospital	12,913	11,130	13.1	9,674	92.9	5.1	0.7	0.6	0.7	75.0
Pontefract General Infirmary	12,645	10,742	5.1	10,193	93.5	3.1	1.9	0.8	0.8	70.0
West Cumberland Hospital	12,207	11,211	9.2	10,175	93.0	2.6	2.6	0.8	1.0	74.0
Darlington Memorial Hospital	10,310	9,369	10.1	8,424	92.4	4.7	1.6	0.7	0.6	60.7
Friarage General Hospital	9,771	8,680	4.9	8,253	94.6	3.5	1.2	0.4	0.3	91.7
Trent - 14 laboratories	440,156	394,398	11.3	349,704	93.0	3.7	2.0	0.8	0.6	
Leicester Royal Infirmary	73,128	69,413	11.3	61,553	94.4	3.4	1.1	0.6	0.5	87.6
Nottingham City Hospital	63,495	57,373	12.3	50,317	93.8	3.7	1.2	0.6	0.7	74.7
(2) Royal Hallamshire Hospital	47,410	40,550	10.5	36,285	93.0	3.4	2.2	0.8	0.5	77.1
Derbyshire Royal Infirmary	45,089	41,067	16.3	34,371	92.4	4.0	2.0	0.8	0.8	72.6
Doncaster Royal Infirmary	30,315	25,511	9.6	23,054	92.4	4.1	2.4	0.6	0.5	80.9
Chesterfield & North Derby Royal	28,971	27,171	11.9	23,929	91.7	5.8	1.5	0.6	0.4	69.7
Kings Mill Hospital	26,704	23,264	6.2	21,826	95.2	1.2	2.8	0.5	0.3	83.1
Lincoln County Hospital	25,844	23,017	12.5	20,135	92.6	3.5	2.6	0.8	0.5	71.4
Rotherham District General Hospital	19,328	17,025	13.1	14,796	90.4	3.8	3.8	1.1	0.9	69.0
Barnsley District General Hospital	17,874	15,046	12.6	13,151	87.6	6.5	4.1	1.3	0.5	76.5
Scunthorpe General Hospital	17,583	15,478	9.1	14,063	93.3	2.9	2.5	0.8	0.6	73.5
Pilgrim Hospital (Boston)	16,455	15,090	5.9	14,193	94.5	3.1	1.1	1.0	0.3	83.3
(3) Diana, Princess of Wales Hospital	16,357	15,044	10.3	13,495	91.7	3.7	2.7	1.3	0.6	76.5
Bassetlaw District General Hospital	11,603	9,349	8.7	8,536	92.5	4.3	2.3	0.7	0.3	75.0
Eastern - 17 laboratories	430,983	382,068	9.4	346,033	92.4	4.3	2.1	0.7	0.6	
Watford General Hospital	57,288	51,081	7.3	47,375	94.7	2.7	1.4	0.6	0.6	87.3
Queen Elizabeth II Hospital (Herts)	34,965	31,217	9.1	28,381	94.0	2.8	1.8	0.5	0.9	71.8
Norfolk & Norwich Hospital	34,119	31,988	7.5	29,602	89.8	6.3	2.7	0.6	0.6	81.0
Addenbrookes Hospital	27,490	24,151	8.7	22,044	91.6	4.7	2.5	0.7	0.6	81.6
Chelmsford & Essex Hospital	27,291	23,408	7.0	21,780	87.6	7.3	4.2	0.6	0.2	85.0
Colchester Hospital (Severalls)	26,816	22,961	9.9	20,692	93.6	2.5	2.2	0.9	0.7	73.5
Ipswich Hospital	26,163	23,037	6.5	21,530	92.5	5.1	1.5	0.5	0.5	75.6
West Suffolk Hospital	24,440	22,024	12.1	19,360	90.7	5.9	2.4	0.6	0.4	87.0
Southend Hospital	24,248	21,789	8.7	19,899	90.9	5.0	2.5	0.9	0.6	73.2
(1) Basildon Hospital	22,601	20,566	14.5	17,576	92.8	3.6	2.2	0.8	0.6	87.7
Peterborough District Hospital	21,061	17,194	11.9	15,148	93.5	3.5	1.6	0.7	0.7	59.4
Luton and Dunstable Hospital	19,426	17,091	11.9	15,053	89.2	5.7	3.5	1.1	0.5	74.4
Bedford General Hospital	19,253	17,302	9.4	15,681	94.1	3.4	1.5	0.5	0.5	84.0
St Margaret's Hospital (Epping)	18,754	16,291	15.2	13,809	93.2	3.6	1.9	0.6	0.7	90.9
James Paget Hospital	18,208	16,281	9.7	14,697	95.8	2.6	0.8	0.4	0.4	79.2
Queen Elizabeth Hospital (King's Lynn)	15,926	14,587	7.6	13,482	95.1	3.4	0.9	0.3	0.3	81.0
Hinchingbrooke Hospital	12,934	11,100	10.6	9,924	90.7	5.6	2.0	0.9	0.7	70.8

continued

Table 14 Number of smears examined by pathology laboratories, from GP and NHS Community Clinics, percentage results of women 20-64, 1999-200

	Smears from GP and NHS Community Clinics - women aged 20 - 64									
	Total smears examined		Result (as a percentage of total adequate)							PPV %
	All sources all ages	GP & NHS CC (20 - 64)	Inadequate % (cat.1)	Total adequate smears	Negative % (cat.2)	Borderline % (cat.8)	Mild % (cat.3)	Moderate % (cat.7)	Severe % (cat.4,5 & 6)	
England - 163 laboratories	4,259,454	3,723,428	9.8	3,356,825	92.1	4.3	2.3	0.8	0.6	
London - 27 laboratories	692,198	582,658	10.1	524,018	90.7	5.0	2.9	0.9	0.5	
(4) Kingston Hospital	40,999	35,939	11.6	31,776	92.0	5.0	1.5	0.9	0.5	76.2
Hammersmith Hospitals	40,356	30,194	8.5	27,635	89.4	7.2	1.6	1.2	0.5	81.7
The Royal London Hospital	36,335	31,797	9.8	28,666	96.1	2.6	0.3	0.5	0.5	88.1
Havering Hospitals (Harold Wood)	33,814	28,911	10.5	25,865	89.2	6.7	2.5	0.9	0.7	74.6
St Thomas's Hospital	33,597	28,769	7.2	26,702	86.3	7.7	4.3	1.4	0.4	54.3
St Helier Hospital	31,561	26,795	10.5	23,976	93.7	3.8	1.6	0.4	0.4	68.8
Barnet Hospital	31,417	28,655	12.4	25,097	94.4	3.0	1.3	0.8	0.5	76.7
Mayday University Hospital	28,070	24,688	10.7	22,040	87.9	6.4	3.5	1.4	0.7	68.5
St George's Hospital (Tooting)	27,979	23,022	10.5	20,616	83.0	4.1	10.9	1.0	0.9	67.5
Farnborough Hospital (Orpington)	27,931	25,610	9.4	23,197	93.7	1.0	3.8	0.8	0.7	79.5
Whittington Hospital	26,480	22,460	8.4	20,564	90.6	5.6	2.6	0.8	0.3	80.0
Lewisham Hospital	25,739	24,502	13.3	21,255	90.2	4.5	3.2	1.4	0.7	77.8
Kings College Hospital	24,306	20,042	11.5	17,742	88.1	7.3	3.3	1.0	0.2	63.3
St Bartholomew's Hospital	23,384	17,058	15.2	14,462	92.7	4.3	1.9	0.8	0.4	77.3
Queen Mary's Hospital (Sidcup)	23,213	19,599	6.5	18,316	91.1	5.5	2.3	0.6	0.4	79.5
Ealing Hospital	23,191	20,335	8.7	18,573	90.8	5.3	2.7	0.8	0.3	83.7
Whipps Cross Hospital	22,596	20,052	12.9	17,459	88.9	5.4	3.9	1.0	0.9	75.8
St Mary's Hospital	22,307	15,807	9.3	14,331	89.3	5.8	3.7	0.8	0.4	80.9
Central Middlesex Hospital	22,065	20,179	8.3	18,498	93.6	3.0	2.1	0.8	0.4	53.5
University College Hospital	20,608	12,861	5.2	12,189	85.4	8.1	4.6	1.2	0.7	70.5
Greenwich District Hospital	20,141	17,399	14.0	14,968	91.5	5.3	2.0	0.8	0.4	84.4
Chase Farm Hospital	20,092	17,732	9.8	15,987	89.3	6.4	2.4	1.4	0.5	58.0
Quest Diagnostics	19,858	15,406	6.4	14,415	92.0	4.9	2.0	0.6	0.5	91.2
King George Hospital (Ilford)	18,741	16,032	13.0	13,944	90.8	5.2	2.4	1.0	0.6	83.3
Northwick Park Hospital	16,962	15,035	9.4	13,625	94.9	2.8	1.4	0.4	0.5	82.0
North Middlesex Hospital	15,539	13,031	6.9	12,133	93.9	2.2	2.8	0.6	0.6	83.3
Royal Free Hospital	14,917	10,748	7.1	9,987	84.7	4.3	9.1	1.0	0.9	79.3
South East - 26 laboratories	733,613	651,322	8.3	596,996	93.1	3.7	1.9	0.7	0.6	
John Radcliffe Hospital	49,908	43,961	5.5	41,542	92.3	4.4	2.1	0.7	0.4	74.2
William Harvey Hospital	49,591	44,351	8.5	40,570	94.8	2.5	1.7	0.6	0.4	83.0
Partnership Pathology Services-Guildford	49,314	42,794	9.1	38,897	93.9	3.1	1.9	0.6	0.5	77.1
Queen Alexandra Hospital (Cosham)	39,565	33,734	6.7	31,462	91.3	5.2	1.6	1.1	0.7	70.8
Stoke Mandeville Hospital	39,232	35,754	4.5	34,154	94.1	2.9	1.7	0.6	0.7	87.9
(5) St Peter's Hospital (Chertsey)	38,525	33,949	8.0	31,231	93.8	3.0	1.9	0.6	0.6	82.5
Royal Hampshire County Hospital	36,502	33,628	14.1	28,883	90.6	5.5	2.2	1.1	0.6	66.7
Royal Berkshire Hospital	34,460	31,895	6.7	29,771	93.3	3.5	2.0	0.7	0.6	82.5
Southampton General Hospital	32,691	28,880	7.3	26,785	93.8	3.0	1.9	0.8	0.5	69.2
Wexham Park Hospital	30,695	26,735	16.4	22,345	91.3	4.7	2.0	0.8	1.1	72.0
Northampton General Hospital	29,445	25,642	6.2	24,056	94.1	2.5	2.2	0.7	0.5	72.5
All Saints Hospital now Medway Maritime	29,182	25,822	9.2	23,445	95.0	1.4	2.4	0.9	0.4	72.3
Brighton General Hospital	28,658	25,933	7.6	23,970	93.6	2.9	2.4	0.7	0.5	70.3
Wycombe General Hospital	26,940	24,710	10.1	22,218	93.3	4.4	1.2	0.5	0.6	79.1
Kettering General Hospital	25,147	23,169	7.4	21,464	92.1	4.8	1.8	0.7	0.6	73.9
Pembury Hospital	23,060	21,209	6.6	19,814	90.3	6.0	2.6	0.7	0.4	70.8
Princess Royal Hospital (haywards Heath)	22,794	20,459	10.4	18,330	92.5	4.1	1.5	1.2	0.7	77.4
Joyce Green Hospital	20,349	18,418	11.3	16,328	91.7	3.8	3.4	0.5	0.7	83.1
Worthing Hospital	17,596	15,009	7.7	13,854	92.9	4.6	1.3	0.7	0.5	66.7
Eastbourne District General Hospital	17,548	15,154	10.1	13,625	92.6	4.5	1.6	0.7	0.6	76.7
Epsom General Hospital	17,320	15,430	8.8	14,077	93.3	2.9	2.6	0.8	0.4	72.0
East Surrey Hospital	17,213	14,767	6.4	13,828	95.2	2.2	1.6	0.5	0.6	74.5
Preston Hall, Mid Kent Healthcare	16,303	14,564	6.1	13,669	94.5	3.4	1.2	0.6	0.3	87.5
St Richard's Hospital (Chichester)	16,173	12,965	9.1	11,789	93.8	3.9	1.4	0.3	0.6	81.0
Conquest Hospital	13,007	11,402	6.3	10,678	94.6	2.2	1.7	0.7	0.8	94.6
St Mary's Hospital (Isle of Wight)	12,395	10,988	7.1	10,211	88.2	6.7	2.7	1.4	0.9	45.5
South West - 14 laboratories	354,027	318,129	9.3	288,675	91.5	4.5	2.4	0.8	0.7	
Southmead Hospital	50,717	45,861	9.7	41,434	91.9	4.5	1.9	0.9	0.7	74.3
Royal Bournemouth General Hospital	43,366	39,674	7.3	36,792	93.1	4.2	1.7	0.6	0.4	67.5
Derriford Hospital	30,792	27,633	9.2	25,100	91.9	3.6	2.9	0.8	0.8	73.1
Musgrove Park Hospital	29,562	26,194	12.8	22,841	87.7	7.1	3.5	1.0	0.7	72.1
Royal Devon & Exeter Hospital	29,356	26,269	11.1	23,365	92.4	3.4	3.4	0.2	0.6	82.5
Royal Cornwall Hospital (Treliske)	29,309	27,043	8.9	24,642	90.1	4.4	3.8	1.0	0.7	80.2
Royal United Hospital (Bath)	26,956	24,052	9.0	21,884	91.1	5.1	2.2	0.7	0.9	69.5
Gloucestershire Royal Hospital	24,253	22,448	9.7	20,277	89.9	6.4	1.9	1.1	0.7	95.7
Torbay Hospital	21,392	19,714	8.7	17,997	92.8	3.3	1.8	1.0	1.2	75.4
(1) Princess Margaret Hospital (Swindon)	18,270	16,136	6.9	15,024	90.3	4.7	2.9	1.3	0.8	68.9
Cheltenham General Hospital	16,690	15,013	8.3	13,768	92.8	4.0	1.3	0.7	1.2	74.3
West Dorset Hospital	16,244	14,727	11.3	13,063	95.3	2.7	1.2	0.3	0.4	92.3
Salisbury District Hospital	15,778	13,111	6.4	12,277	91.1	4.5	3.2	0.6	0.5	70.7
(6) Bristol Royal Infirmary	1,342	254	16.9	211	88.6	6.2	3.3	1.4	0.5	50.0

continued

Table 14 Number of smears examined by pathology laboratories, from GP and NHS Community Clinics, percentage results of women 20-64, 1999-200

	Smears from GP and NHS Community Clinics - women aged 20 - 64									
	Total smears examined		Result (as a percentage of total adequate)							PPV %
	All sources all ages	GP & NHS CC (20 - 64)	Inadequate % (cat.1)	Total adequate smears	Negative % (cat.2)	Borderline % (cat.8)	Mild % (cat.3)	Moderate % (cat.7)	Severe % (cat.4,5 & 6)	
England - 163 laboratories	4,259,454	3,723,428	9.8	3,356,825	92.1	4.3	2.3	0.8	0.6	
West Midlands - 18 laboratories	469,265	419,881	10.5	375,894	91.7	4.7	2.2	0.8	0.6	
North Staffordshire Hospital	44,472	42,127	8.9	38,385	89.3	7.2	1.9	1.0	0.6	79.8
Princess Royal Hospital (Telford)	38,955	35,117	9.4	31,812	90.9	4.3	3.5	0.8	0.5	76.7
Birmingham Heartlands Hospital	38,150	34,975	18.5	28,489	89.8	5.8	2.7	1.1	0.6	82.8
Birmingham Women's Healthcare	37,962	30,609	12.2	26,872	87.7	7.5	2.8	1.4	0.6	76.9
Walsgrave General Hospital	29,255	26,235	8.5	23,997	93.8	3.0	1.8	0.5	0.9	82.6
Newcross Hospital (Wolverhampton)	27,658	24,563	8.8	22,390	93.3	4.3	1.2	0.7	0.6	83.3
Russells Hall Hospital (Dudley)	27,482	25,227	9.4	22,858	94.0	3.6	1.1	0.7	0.6	87.1
Good Hope Hospital	26,218	23,217	14.4	19,864	90.2	5.2	3.2	0.8	0.5	78.8
(7) Alexandra Hospital (Redditch)	22,533	19,739	10.6	17,654	92.5	4.4	2.0	0.6	0.5	82.1
Walsall Manor Hospital	22,331	19,492	11.3	17,281	92.9	3.8	2.3	0.7	0.3	74.6
Queen's Hospital (Burton)	21,637	20,319	10.7	18,152	93.8	3.6	1.6	0.7	0.3	72.9
Staffordshire General Hospital	21,120	19,128	7.4	17,705	90.9	6.1	1.5	0.7	0.8	60.5
Sandwell District General Hospital	20,431	17,526	6.7	16,356	93.7	3.9	1.2	0.6	0.6	89.4
Warwick Hospital	20,082	18,898	6.8	17,622	94.5	2.9	1.5	0.7	0.4	81.6
George Eliot Hospital (Nuneaton)	19,478	17,799	3.6	17,165	91.5	3.6	3.2	1.0	0.8	84.4
City Hospital Birmingham	17,760	15,016	11.3	13,319	89.5	6.2	2.9	0.9	0.6	90.6
Worcester Royal Infirmary	17,560	15,573	12.5	13,624	93.7	2.6	1.9	1.0	0.8	84.2
County Hospital Hereford	16,181	14,321	13.8	12,349	93.7	3.4	1.8	0.7	0.4	78.2
North West - 24 laboratories	599,220	499,939	11.3	443,209	91.3	4.2	2.8	0.9	0.7	
Christie Hospital	109,005	90,643	13.0	78,890	90.8	5.0	2.3	1.1	0.7	77.1
Royal Liverpool Hospital	35,316	26,157	15.5	22,095	91.1	3.3	3.6	1.0	1.0	76.0
Chorley & District Hospital	32,034	26,705	6.2	25,037	93.7	2.6	2.1	0.6	1.0	73.9
Arrowe Park Hospital	31,504	26,882	17.7	22,134	91.8	4.1	2.5	0.9	0.6	73.7
Stepping Hill Hospital (Stockport)	28,593	24,849	7.6	22,956	91.1	3.5	4.0	0.7	0.7	65.2
Warrington Hospital	27,601	24,195	12.5	21,162	92.2	3.3	2.8	1.1	0.6	76.8
Victoria Hospital (Blackpool)	27,297	23,169	8.8	21,141	92.7	2.7	3.0	1.0	0.6	74.1
Leighton Hospital	26,781	21,089	11.2	18,730	95.3	2.2	1.3	0.5	0.8	83.3
Countess of Chester Hospital	26,533	23,890	11.9	21,041	92.4	3.2	3.1	0.8	0.5	77.4
Blackburn Royal Infirmary	25,823	22,459	9.6	20,303	92.8	4.5	1.6	0.6	0.5	74.3
(1) Royal Bolton Hospital	24,965	22,047	5.4	20,866	92.6	3.7	1.9	0.9	0.8	76.3
(8) University Hospital Aintree	24,816	23,035	17.8	18,940	88.0	5.5	4.1	1.3	1.0	75.8
Whiston Hospital	21,877	18,298	16.0	15,375	86.1	6.0	5.8	1.2	0.9	66.7
Burnley General Hospital	20,666	18,014	8.4	16,497	91.2	5.3	2.0	0.8	0.7	80.3
Macclesfield District Hospital	19,161	15,380	9.0	14,002	90.1	4.4	3.6	1.1	0.8	77.4
(9) Southport General Infirmary	17,981	15,520	10.1	13,957	94.3	2.9	1.6	0.7	0.5	84.2
Bury General Hospital	17,819	14,409	14.5	12,325	84.8	9.8	2.9	1.2	1.2	76.6
Tameside General Hospital	17,249	14,506	7.4	13,427	93.0	3.3	2.5	0.7	0.5	77.4
Royal Oldham Hospital	16,853	13,752	10.1	12,358	88.4	5.8	4.0	1.2	0.6	69.1
Birch Hill Hospital (Rochdale)	16,025	13,859	8.3	12,702	90.4	3.9	3.9	1.2	0.6	74.5
Furness General Hospital	13,652	12,416	9.6	11,228	90.0	5.6	2.7	0.9	0.7	62.5
Royal Lancaster Infirmary	10,402	8,639	7.2	8,018	90.7	4.9	2.8	0.9	0.6	63.6
(6) Royal Albert Edward Infirmary	4,068	-	-	-	-	-	-	-	-	-
(6) St Mary's Hospital (Manchester)	3,199	26	-	-	-	-	-	-	-	-

- (1) Imputed from part year data
- (2) The Royal Hallamshire includes The Northern General Hospital
- (3) Grimsby District has been renamed The Diana, Princess of Wales Hospital
- (4) Kingston Hospital includes Queen Mary's Hospital (Roehampton)
- (5) St Peter's Hospital includes Ashford Hospital
- (6) Report on very few or no smears from GP & NHS Community Clinics
- (7) Alexandra Hospital includes Kidderminster Hospital
- (8) Fazakerley Hospital has been renamed The University Hospital Aintree
- (9) Southport Hospital includes Omskirck and District Hospital

Source : Form KC61

Table 15 Outcome of referrals for smears registered at the laboratory between April - June 1999.

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

	Total	Total with known result	Cancer	CIN3 & Adenocarcinoma in situ	CIN2	CIN1	HPV only	No CIN/ No HPV	Inadequate biopsy	Colposcopy NAD
Numbers										
England	19,788	12,628	24	962	1,498	3,743	1,647	2,197	404	2,153
Northern & Yorkshire	2,045	1,748	2	177	214	509	240	276	23	307
Trent	1,410	1,210	2	95	128	261	100	329	13	282
Eastern	1,144	990	1	83	130	334	115	137	19	171
London	5,851	1,675	4	101	186	609	222	170	36	347
South East	2,110	1,886	7	171	257	539	286	338	27	261
South West	1,519	950	1	101	144	344	111	132	41	76
West Midlands	1,998	1,430	3	106	153	333	159	260	72	344
North West	3,711	2,739	4	128	286	814	414	555	173	365
Percentage of cases with known result										
England		100.00	0.2	7.6	11.9	29.6	13.0	17.4	3.2	17.0
Northern & Yorkshire		100.00	0.1	10.1	12.2	29.1	13.7	15.8	1.3	17.6
Trent		100.00	0.2	7.9	10.6	21.6	8.3	27.2	1.1	23.3
Eastern		100.00	0.1	8.4	13.1	33.7	11.6	13.8	1.9	17.3
London		100.00	0.2	6.0	11.1	36.4	13.3	10.1	2.1	20.7
South East		100.00	0.4	9.1	8.3	28.6	15.2	17.9	1.4	13.8
South West		100.00	0.1	10.6	15.2	36.2	11.7	13.9	4.3	8.0
West Midlands		100.00	0.2	7.4	10.7	23.3	11.1	18.2	5.0	24.1
North West		100.00	0.1	4.7	10.4	29.7	15.1	20.3	6.3	13.3

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

	Total	Total with known result	Cancer	CIN3 & Adenocarcinoma in situ	CIN2	CIN1	HPV only	No CIN/ No HPV	Inadequate biopsy	Colposcopy NAD
Numbers										
England	14,553	12,429	374	5,544	3,042	1,520	480	754	172	543
Northern & Yorkshire	1,731	1,603	56	799	370	178	52	86	9	53
Trent	1,299	1,203	38	587	268	131	37	97	9	36
Eastern	1,141	1,053	28	490	284	114	46	60	15	16
London	2,579	1,810	41	745	440	259	86	82	27	130
South East	2,347	2,223	39	1,003	461	251	86	155	34	194
South West	1,403	1,178	39	493	326	162	40	78	15	25
West Midlands	1,588	1,296	63	608	311	142	35	75	27	35
North West	2,465	2,063	70	819	582	283	98	121	36	54
Percentage of cases with known result										
England		100.00	3.0	44.6	24.5	12.2	3.9	6.1	1.4	4.4
Northern & Yorkshire		100.00	3.5	49.8	23.1	11.1	3.2	5.4	0.6	3.3
Trent		100.00	3.2	48.8	22.3	10.9	3.1	8.1	0.7	3.0
Eastern		100.00	2.7	46.5	27.0	10.8	4.4	5.7	1.4	1.5
London		100.00	2.3	41.2	24.3	14.3	4.8	4.5	1.5	7.2
South East		100.00	1.8	45.1	20.7	11.3	3.9	7.0	1.5	8.7
South West		100.00	3.3	41.9	27.7	13.8	3.4	6.6	1.3	2.1
West Midlands		100.00	4.9	46.9	24.0	11.0	2.7	5.8	2.1	2.7
North West		100.00	3.4	39.7	28.2	13.7	4.8	5.9	1.7	2.6