

**KC53/61/65 Statistical Report - Adroddiad Ystadegol  
2002/03 data**

**Prepared by Cervical Screening Wales**

**CERVICAL SCREENING WALES**  
**INFORMATION TEAM STATISTICAL REPORT**

**CERVICAL SCREENING PROGRAMME,  
WALES: 2002/03**

**For more information about this report contact:**

Helen Beer,  
Information Analyst / Manager,  
Screening Services,  
18 Cathedral Road,  
Cardiff,  
CF11 9LJ

Tel: (029) 2078 7820  
WHTN: 1896 7820  
Fax: (029) 2078 7900  
Email: [helen.beer@velindre-tr.wales.nhs.uk](mailto:helen.beer@velindre-tr.wales.nhs.uk)

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## CERVICAL SCREENING PROGRAMME: WALES 2002/03

This report is a detailed summary of information gathered by the Cervical Screening Administration Departments, CSADs (KC53), by the pathology laboratories (KC61) and by colposcopy sites in Trusts (KC65) on work undertaken for Cervical Screening Wales (CSW). It follows a series of reports produced by Cervical Screening Wales and previously produced by the Health Statistics and Analysis Unit, part of the Welsh Assembly Government. Statistics from previous years may be found on the Cervical Screening Wales website <http://www.velindre-tr.wales.nhs.uk/csw/> and in Health Statistics Wales bulletins published by the Welsh Assembly Government.

### Key Facts

- € At 31 March 2003, 78% of women in the target age group (20-64 years) had been screened at least once in the last 5 years whilst coverage exceeded 75% in all Cervical Screening Administration Departments.
- € In 2002/2003, 217,000 women were screened (including those with inadequate results), the majority after a formal invitation from the screening programme.
- € Laboratories in Wales examined around 231,000 smears in 2002/2003. (Laboratories in England examined a further 14,000 on behalf of Cervical Screening Wales).
- € 8,600 new patients were seen at colposcopy clinics in Wales, 83% being directly referred by Cervical Screening Wales.

### Introduction

The information in this report is collected from three sources: Information on the call and recall system is collected mainly on KC53 (a computer generated report common to England and Wales) from Cervical Screening Administration Departments, information about cervical smears examined by pathology laboratories is collected on KC61 (which includes symptomatic smears as well as smears examined as a result of uptake of invitations for screening) and information about colposcopy activity is collected from a specially commissioned computer system (ISCO) for recording clinical and administrative data.

Throughout this report comparisons are made with figures for England, where available, for the same period. The target for the screening programme in Wales, implemented following the establishment of CSW in April 1999, is for women to be screened at least once every three years, within a target age group of 20-64 years, commencing at their next recall date. This report includes this target age range and also the age range 25-64 years for comparison with the English bulletin on cervical cytology (which shows figures for women aged 25-64 rather than 20-64).

### Changes in definition

Specific changes in definition are noted in the text. Prior to 1997/98, all women who were classified as "recall ceased" by the programme (for medical, age or other reasons) were excluded from the denominator used to calculate coverage. In 1998/99 there was another change of definition to exclude only those women with "recall ceased for clinical reasons" (no cervix). Since 2001/02, coverage figures include only those women who received an adequate test in the last 3 or 5 years in the numerator. Coverage figures are, therefore, not directly comparable across the years.

### Coverage (Tables and Figures 1 and 2)

The reported coverage by the screening programme of women aged 20-64 was 62% in 1989/90 when population screening was introduced and has been over 80% since 1992/93. In 2002/2003 just under 78% of women aged 20-64 years had been tested in the last 5 years. There is relatively little variation in coverage between Cervical Screening Administration Departments, ranging from 75.5% in Morgannwg to 79.7% in Gwent. However, coverage has fallen slightly in all Cervical Screening Administration Departments mainly due to a decrease in attendance of women aged between 45 and 55 years.

### Invitations for screening (Tables and Figures 3 to 7)

Standard procedures for issuing first and subsequent reminders are:

- € 6 month interval between first and second invitation;
- € 6 month interval between second invitation and the final non-responder card

In 2002/2003 around 285,000 women aged 20-64 were invited for screening (Table 3). The invitation was a first call for screening for 14% of these women and a routine recall for 65.8%. For 15.8% it was the result of a repeat smear being advised, and for 4.4% a recall because the previous smear was inadequate.

In 2002/2003, about 213,000 women aged 20-64 were tested (table 5). 4.7% of these were tested in response to a first invitation and 57.9% following a routine recall. 15.3% were reported to be as a result of opportunistic screening, defined as women screened more than 12 months after the invitation date and in advance of their next routine invitation being issued.

The number of opportunistic smears examined in the target age group has fallen in the last three years from just over 50,000 in 1999/2000 to just under 33,000 in 2002/2003. The number of smears taken from women under 20 years has fallen from 3,647 in 1999/2000 to 657 in 2002/2003, and 77.6% of these are opportunistic smears. Cervical Screening Wales recommends that screening is not undertaken in uninvited women under 20 years even if sexually active.

Note that the uptake of invitations cannot be accurately measured from these figures since the tests undertaken in the screening year (1<sup>st</sup> April to 31<sup>st</sup> March) do not necessarily result from an invitation issued in the same screening year.

### **Test Results** (Tables and Figures 8 to 9)

The data for these tables and figures come from the KC53 return and differs from that shown in Tables 10 to 13 and associated figures, which come from the KC61 return. The former table relates to women and the latter to smears.

Note that the test results relate to the most **severe** result during the year from 1997/98 onwards and not to the most **recent** result as those prior to 1997.

This report summarises the results of all screening tests sent to laboratories including the conventional Pap smears and liquid based cytology (LBC). Caution should therefore be taken when interpreting results from different laboratories and when comparing all Wales figures with previous years.

### **Liquid Based Cytology**

Following guidance from the National Institute for Clinical Excellence (NICE), in 2001/2002, the National Assembly for Wales commissioned Cervical Screening Wales to undertake a pilot of a new technology, liquid based cytology (LBC), shown to be effective in research studies for sampling cells from the cervix. The guidance stated that it was "likely that LBC will have the effect of reducing the number of false negative test results as well as the number of unsatisfactory specimens." (The unsatisfactory specimens are termed "inadequate" in statistical reports.)

The first stage of the pilot, which began on 1<sup>st</sup> October 2002, converted colposcopy services sending smears to the Llandough and the Royal Gwent laboratories to the use of LBC. Following this, selected general practices and other clinics were converted to LBC. As part of the pilot, the Royal Glamorgan Hospital and the Princess of Wales Hospital were also partly converted to LBC, to assess the viability of introducing a "hub and spoke" arrangement in association with Llandough Hospital where the specimens are prepared at the processing laboratory and returned for screening at the original receiving laboratories. A full report of the LBC pilot has been issued separately.

### **Smears Examined** (Tables and Figures 10 to 13)

Nearly 231,000 smears were examined in laboratories in Wales in 2002/2003. Three English laboratories at Chester, Shrewsbury and Hereford examine smears for Welsh residents and some of this workload is shown accounting for the additional 5,000 smears in the total.

For tests taken on Welsh residents, 6.1% were reported as inadequate with wide variation between laboratories. The results from laboratories participating in the LBC pilot include conventional and LBC samples.

Most smears are taken in general practice (82.6%). The percentages of positive smears are generally higher from GUM clinics and NHS hospitals, than from GPs and NHS community clinics.

In 2002/2003, of the 200,000 women of all ages who had an adequate smear taken in GP or NHS community clinics, 91.6% were negative, 7.0% showed borderline changes or mild dyskaryosis, 0.8% showed moderate dyskaryosis and 0.6% were positive showing severe dyskaryosis or worse.

Tables 13a/b and Figure 13 show the distribution of inadequate smears by age. The proportion of smears which are inadequate is highest for women in their 20s and 30s.

### **Correlation with Histology** (Tables and Figures 14 & 15)

An important recommendation of the National Audit Office (National Audit Office, Report by the Controller and Auditor General, Cervical and Breast Screening in England, HMSO, No 235, 1992) and the Expert Advisory Group on Cervical Screening for Wales was that laboratories compare cytology findings with subsequent histology. The revision of the KC61 return in 1998 in England and Wales included a new table looking at women recommended for gynaecological referral during a 3 month period of the year. From 2002/2003, the results are shown for referrals during the previous twelve months, in Table 14a for referrals following smears classed as inadequate, borderline or mild dyskaryosis and in Table 14c for referrals following smears classed as moderate dyskaryosis or worse.

From these data the Positive Predictive Value (PPV) has been calculated (method shown in notes to Table 15). The PPV is used to correlate high grade cytology with histology and records the proportion of cases in which a biopsy following a smear report of moderate dyskaryosis or worse yields a histological diagnosis of CIN2 or worse. Historically, part of the differences in laboratory PPVs may have reflected variation in sources of smears.

### **Referrals to Colposcopy**

This is the second all Wales statistical report to be published for colposcopy services.

On 1<sup>st</sup> April 2001, Cervical Screening Wales began collecting data on a dedicated computer system (ISCO) from colposcopy clinics throughout Wales. All colposcopy sites collect standard information and these statistics have been derived directly from this system. The tables are missing some data from the Royal Gwent and Withybush colposcopy clinics. Further training and data validation procedures are being undertaken to improve the robustness of these summary statistics.

There were 8,600 new patients seen at colposcopy clinics during 2002/03 (Table 16). Of these, 83% were directly referred because of the smear result and 17% were referred for clinical reasons. Almost 35% of all referrals were for a smear result of moderate dyskaryosis or worse.

Table and Figure 17 shows the time taken from the receipt of referral to the first appointment being offered by the colposcopy clinic, excluding patient instigated delays. 50% of referrals with a moderate dyskaryosis or worse smear were seen within four weeks. This is in the middle of the range (45% to 65%) reported by English regions.

Table and Figure 18 show activity at all attended visits in 2002/03. There were 22,000 recorded visits. There is a wide range in the practice of "select and treat" (0% to 23.9% of visits) and 10% of all visits are for a smear only.

Tables and figures 19 and 20 show procedures undertaken for new referrals. 30% of referrals do not receive invasive surgical intervention and 57% of referrals receive a diagnostic biopsy only. Diagnostic and treatment patterns show variations between clinics with the most diagnostic biopsies taken at clinics in Cardiff and Vale and Prince Charles clinics and most excisions performed at Gwynedd and Nevill Hall clinics.

The correlation between the colposcopic opinion and the worst histology result recorded is shown in Table and figure 21. 66% of histology results reported as CIN2 or worse were correctly identified on assessment. 61% of lesions thought by the colposcopist to be high grade or worse were found to be CIN2 or worse on histology (known results).

Table and figure 23 shows the number of biopsies taken and the results. The correlation table 24 shows that 16% of CIN3 found with a subsequent LLETZ taken within three months were reported as CIN1 or lower by the initial punch biopsy.

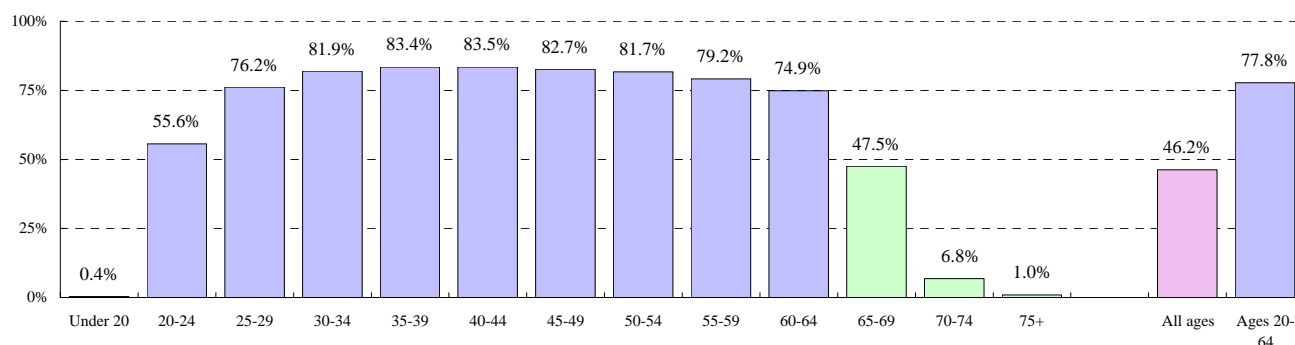
**Table 1 : Test status of women and coverage, by age at test**

Source: KC53 Part A

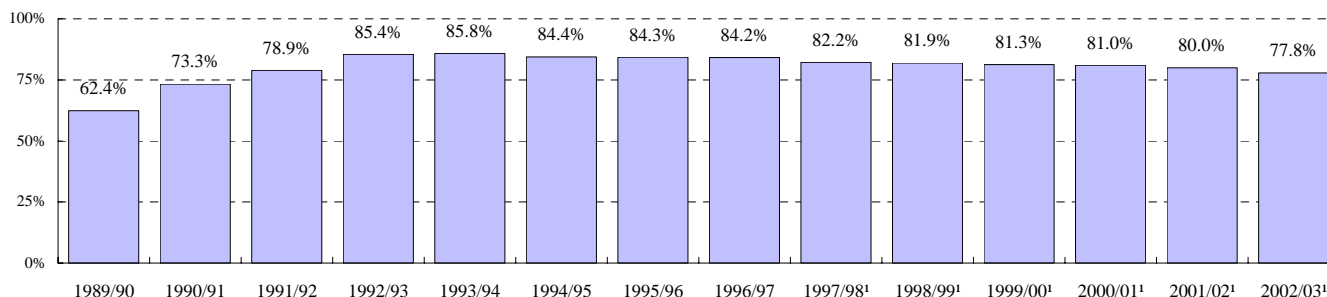
	Number of women						Percentage tested within the		
	resident at 31 March	with recall ceased for			with no cytology record	tested within the		last 3 years <sup>12</sup>	last 5 years <sup>12</sup>
		clinical reasons	age reasons	other reasons		last 3 years	last 5 years		
<b>WALES</b>									
All ages	1,534,609	111,475	69,247	129,894	416,395	544,756	657,260	38.3%	46.2%
Ages 20-64	879,142	78,407	8,365	5,429	1,122	528,416	622,837	66.0%	77.8%
Ages 25-64	783,222	78,396	8,365	5,409	412	481,810	569,518	68.4%	80.8%
Under 20	359,200	-	-	-	348,860	1,233	1,378	0.3%	0.4%
20-24	95,920	11	-	20	710	46,606	53,319	48.6%	55.6%
25-29	84,375	70	-	84	171	52,430	64,204	62.2%	76.2%
30-34	103,988	669	-	173	76	69,805	84,636	67.6%	81.9%
35-39	111,594	2,597	-	257	52	75,965	90,887	69.7%	83.4%
40-44	106,038	6,244	-	361	26	70,491	83,279	70.6%	83.5%
45-49	96,689	11,119	-	513	23	60,591	70,743	70.8%	82.7%
50-54	98,826	17,564	-	625	24	57,325	66,384	70.5%	81.7%
55-59	100,613	21,600	-	906	27	54,675	62,546	69.2%	79.2%
60-64	81,099	18,533	8,365	2,490	13	40,528	46,839	64.8%	74.9%
65-69	73,376	14,855	26,722	23,865	315	13,402	27,779	22.9%	47.5%
70-74	67,659	11,075	22,575	32,259	1,044	1,227	3,854	2.2%	6.8%
75+	155,232	7,138	11,585	68,341	65,054	478	1,412	0.3%	1.0%
<b>ENGLAND (000s)</b>									
All ages	26,313.7	1,646.0	1,463.1	1,276.6	7,492.4	9,322.5	11,811.5	37.8%	47.9%
Ages 20-64	15,518.4	1,150.5	190.4	128.2	130.4	8,989.2	11,180.3	62.6%	77.8%
Ages 25-64	13,836.7	1,150.3	190.4	127.0	48.1	8,225.7	10,305.2	64.8%	81.2%

Range (ages 25-64) - 75.7% to 84.6%

**Figure 1a: Screening coverage of all age groups <sup>1 2</sup>**



**Figure 1b : Screening coverage of target age group (20-64 years), 1989/90 - 2002/03 <sup>1 2</sup>**



**NOTES:**

<sup>1</sup> Until 1996/97 the denominator used in calculating the percentage is the resident population less those women with recall ceased. In 1997/98 recall ceased was split into 'age', 'clinical' and 'other' reasons. Those with with recall ceased for reasons other than age were excluded from the denominator. This was revised again in 1998/99 to exclude only those women with 'recall ceased for clinical reasons' (ie no cervix). The figure for 1997/98 has been revised to the same basis. This may, however, differ from earlier figures produced. In 2001/02, this was revised again to count only adequate tests taken in the previous three and five years.

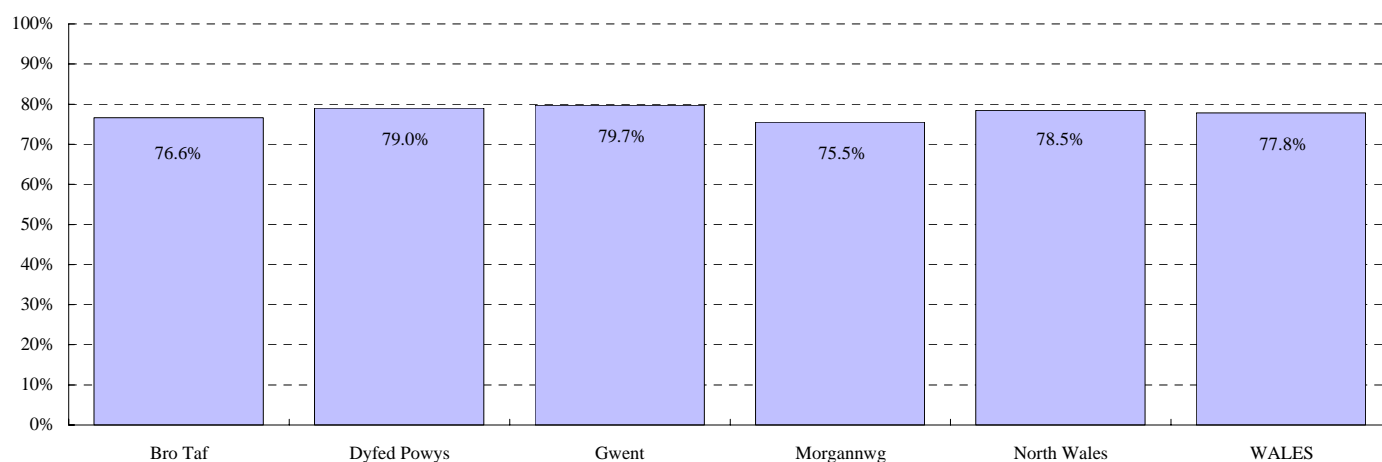
<sup>2</sup> Percentage of women tested in the last 5 years (5.5 years in 1993/94).

**Table 2 : Test status and coverage of target age group (20-64 years), by Cervical Screening Administration Department (CSAD)**

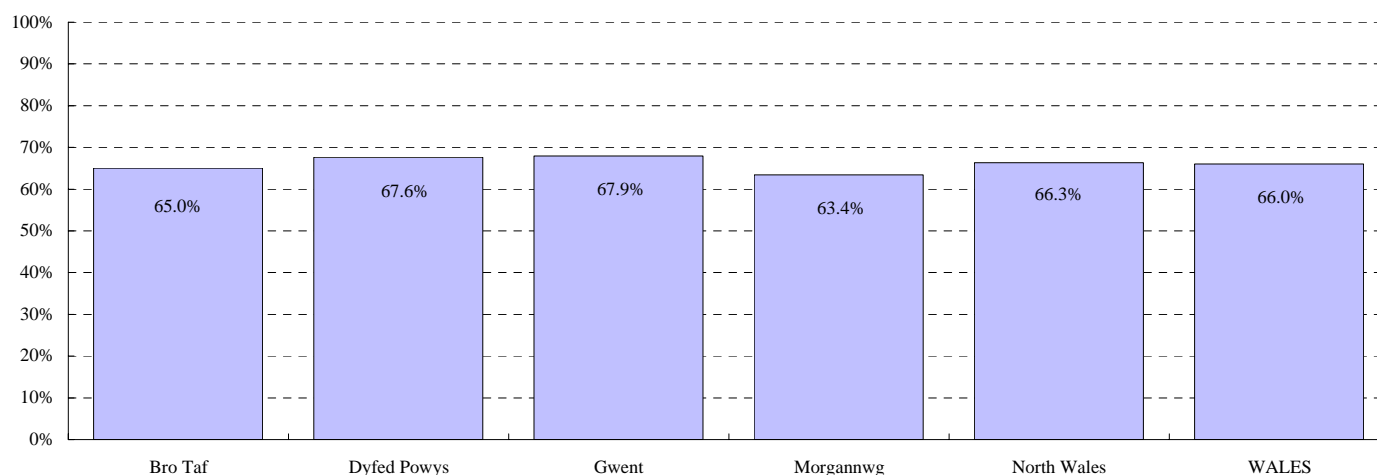
Source: KC53 Part A

CSAD	Number of women					tested within the		Percentage tested within the	
	resident at 31 March	with recall ceased for clinical reasons	age reasons	other reasons	with no cytology record	last 3 years	last 5 years	last 3 years <sup>12</sup>	last 5 years <sup>12</sup>
Bro Taf	224,595	16,644	1,778	1,767	483	135,234	159,245	65.0%	76.6%
Dyfed Powys	142,407	15,311	1,537	751	143	85,925	100,403	67.6%	79.0%
Gwent	165,403	15,328	1,532	326	151	101,974	119,613	67.9%	79.7%
Morgannwg	149,889	13,428	1,560	1,211	152	86,502	102,979	63.4%	75.5%
North Wales	196,848	17,696	1,958	1,374	193	118,781	140,597	66.3%	78.5%
<b>WALES</b>	<b>879,142</b>	<b>78,407</b>	<b>8,365</b>	<b>5,429</b>	<b>1,122</b>	<b>528,416</b>	<b>622,837</b>	<b>66.0%</b>	<b>77.8%</b>
<b>ENGLAND (000s)</b>									
Ages 20-64	15,518.4	1,150.5	190.4	128.2	130.4	8,989.2	11,180.3	62.6%	77.8%

**Figure 2a : Percentage of target age group screened within the last 5 years, by CSAD <sup>12</sup>**



**Figure 2b : Percentage of target age group screened within the last 3 years, by CSAD <sup>13</sup>**



**NOTES:**

<sup>1</sup> Until 1996/97 the denominator used in calculating the percentage is the resident population less those women with recall ceased. In 1997/98 recall ceased was split into 'age', 'clinical' and 'other' reasons. Those with with recall ceased for reasons other than age were excluded from the denominator. This was revised again in 1998/99 to exclude only those women with 'recall ceased for clinical reasons' (ie no cervix). The figure for 1997/98 has been revised to the same basis. This may, however, differ from earlier figures produced. In 2001/02, this was revised again to count only adequate tests taken in the previous three and five years.

<sup>2</sup> Percentage of women tested in the last 5 years (5½ years in 1993/94).

<sup>3</sup> Percentage of women tested in the last 3 years (3½ years in 1993/94).

**Table 3a: Number of women invited in the year, by type of invitation and age at test**

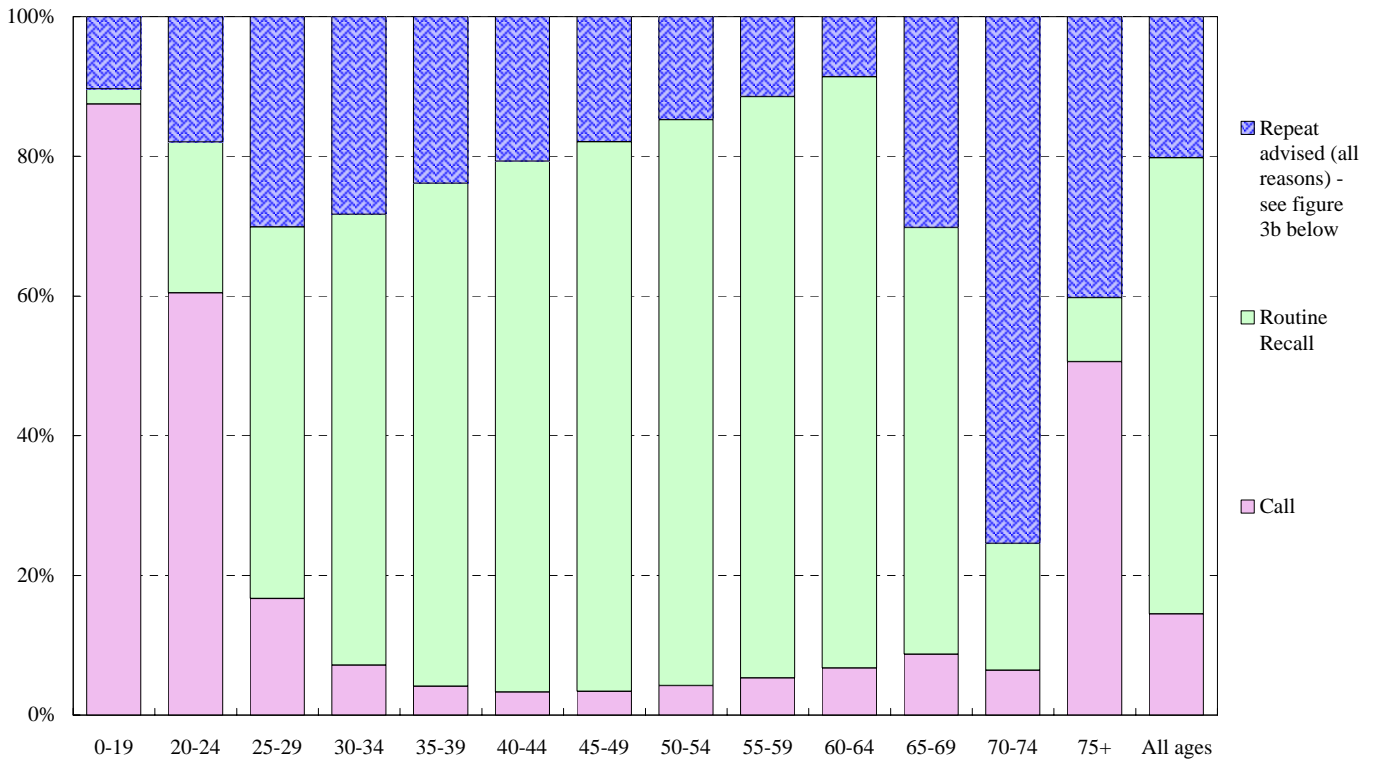
Source: KC53, part B

WALES	Total	Call	Routine recall	Repeat advised for reasons of		
				Surveillance	Abnormality	Inadequate smear
All ages	289,535	41,900	189,126	35,430	10,332	12,747
Ages 20-64	284,905	39,874	187,606	34,837	10,125	12,463
Ages 25-64	244,639	15,526	178,915	31,578	7,899	10,721
Under 20	2,019	1,766	44	49	98	62
20-24	40,266	24,348	8,691	3,259	2,226	1,742
25-29	31,426	5,238	16,727	5,840	1,750	1,871
30-34	36,660	2,615	23,669	6,807	1,485	2,084
35-39	38,069	1,567	27,407	5,873	1,332	1,890
40-44	34,563	1,145	26,266	4,442	1,123	1,587
45-49	29,032	981	22,844	3,209	894	1,104
50-54	27,660	1,169	22,409	2,556	648	878
55-59	26,406	1,405	21,972	1,839	451	739
60-64	20,823	1,406	17,621	1,012	216	568
65-69	2,353	205	1,437	428	83	200
70-74	171	11	31	92	18	19
75+	87	44	8	24	8	3
<b>ENGLAND</b>						
All ages	4,358,061	767,438	2,549,113	608,632	188,629	244,249
Ages 20-64	4,245,057	741,194	2,487,548	594,853	184,233	237,229
Ages 25-64	3,644,303	350,867	2,387,505	552,438	148,662	204,831

**Table 3b: Percentage of women invited in the year, by type of invitation and age at test**

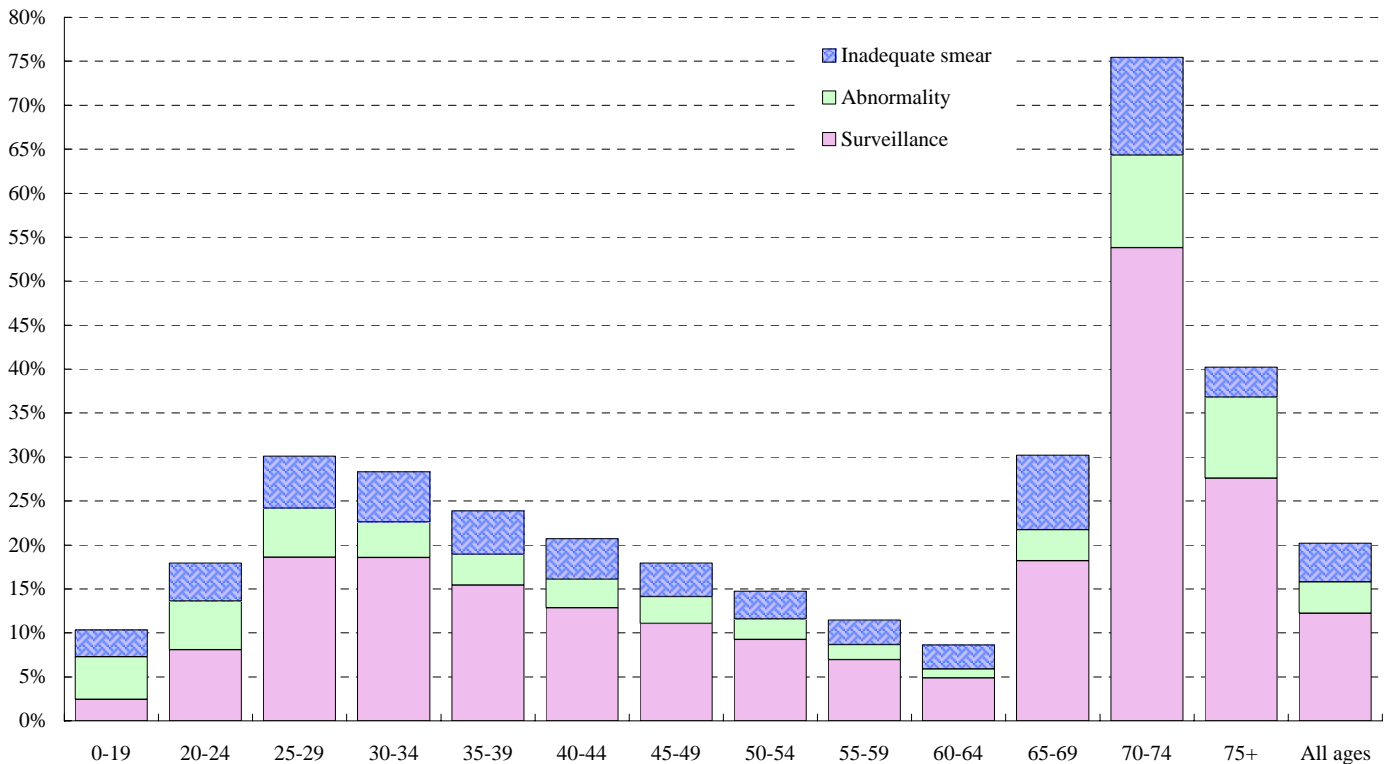
WALES	Total	Call	Routine recall	Repeat advised for reasons of		
				Surveillance	Abnormality	Inadequate smear
All ages	100%	14.5%	65.3%	12.2%	3.6%	4.4%
Ages 20-64	100%	14.0%	65.8%	12.2%	3.6%	4.4%
Ages 25-64	100%	6.3%	73.1%	12.9%	3.2%	4.4%
Under 20	100%	87.5%	2.2%	2.4%	4.9%	3.1%
20-24	100%	60.5%	21.6%	8.1%	5.5%	4.3%
25-29	100%	16.7%	53.2%	18.6%	5.6%	6.0%
30-34	100%	7.1%	64.6%	18.6%	4.1%	5.7%
35-39	100%	4.1%	72.0%	15.4%	3.5%	5.0%
40-44	100%	3.3%	76.0%	12.9%	3.2%	4.6%
45-49	100%	3.4%	78.7%	11.1%	3.1%	3.8%
50-54	100%	4.2%	81.0%	9.2%	2.3%	3.2%
55-59	100%	5.3%	83.2%	7.0%	1.7%	2.8%
60-64	100%	6.8%	84.6%	4.9%	1.0%	2.7%
65-69	100%	8.7%	61.1%	18.2%	3.5%	8.5%
70-74	100%	6.4%	18.1%	53.8%	10.5%	11.1%
75+	100%	50.6%	9.2%	27.6%	9.2%	3.4%
<b>ENGLAND</b>						
All ages	100%	17.6%	58.5%	14.0%	4.3%	5.6%
Ages 20-64	100%	17.5%	58.6%	14.0%	4.3%	5.6%
Ages 25-64	100%	9.6%	65.5%	15.2%	4.1%	5.6%

**Figure 3a: Percentage of invitations, by type of invitation and age**



The total number of invitations (all ages) where the type of invitation was "repeat advised within 3 years" is just under 59,000 (or 20.2% of all invitations). The chart below (Figure 3b) shows the different reasons for the early recall.

**Figure 3b: Percentage of invitations, where repeat advised in less than 3 years, by reason and age**



**Table 4a: Number of women aged 20-64 invited in the year, by type of invitation and Cervical Screening Administration Department (CSAD)**

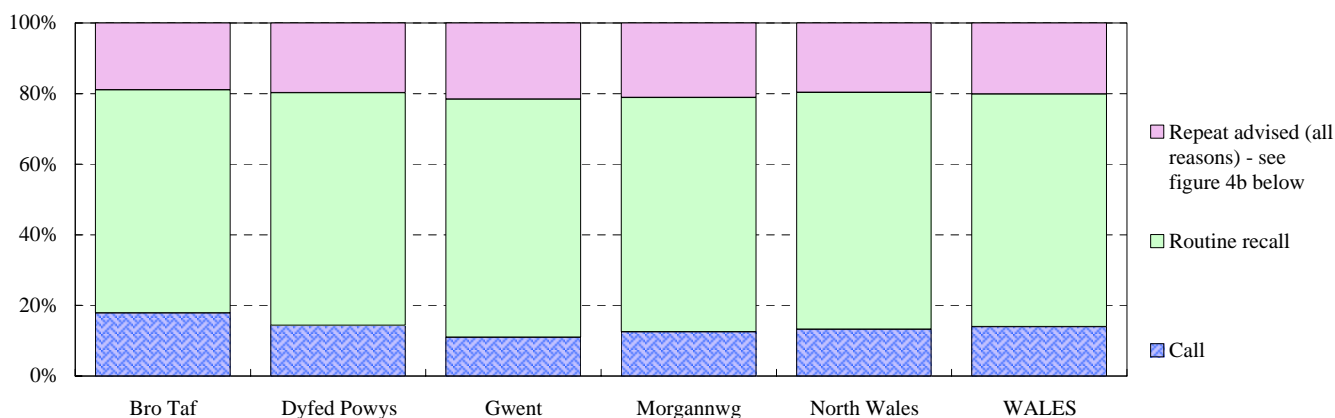
Source: KC53, part B

CSAD	Total	Call	Routine recall	Repeat advised for reasons of		
				Surveillance	Abnormality	Inadequate smear
Bro Taf	71,056	12,705	44,861	7,826	2,444	3,220
Dyfed Powys	44,646	6,415	29,401	5,280	1,614	1,936
Gwent	54,281	5,956	36,607	8,386	1,698	1,634
Morgannwg	53,740	6,706	35,670	6,680	2,125	2,559
North Wales	61,182	8,092	41,067	6,665	2,244	3,114
<b>WALES</b>	<b>284,905</b>	<b>39,874</b>	<b>187,606</b>	<b>34,837</b>	<b>10,125</b>	<b>12,463</b>
<b>ENGLAND</b>	<b>4,245,057</b>	<b>741,194</b>	<b>2,487,548</b>	<b>594,853</b>	<b>184,233</b>	<b>237,229</b>

**Table 4b: Percentage of women aged 20-64 invited in the year, by type of invitation and Cervical Screening Administration Department (CSAD)**

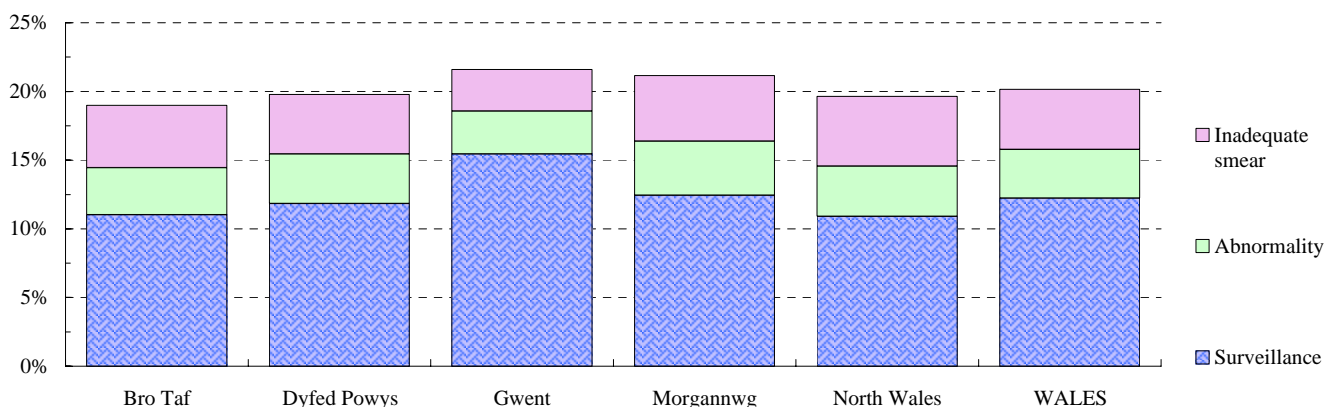
CSAD	Total	Call	Routine recall	Repeat advised for reasons of		
				Surveillance	Abnormality	Inadequate smear
Bro Taf	100%	17.9%	63.1%	11.0%	3.4%	4.5%
Dyfed Powys	100%	14.4%	65.9%	11.8%	3.6%	4.3%
Gwent	100%	11.0%	67.4%	15.4%	3.1%	3.0%
Morgannwg	100%	12.5%	66.4%	12.4%	4.0%	4.8%
North Wales	100%	13.2%	67.1%	10.9%	3.7%	5.1%
<b>WALES</b>	<b>100%</b>	<b>14.0%</b>	<b>65.8%</b>	<b>12.2%</b>	<b>3.6%</b>	<b>4.4%</b>
<b>ENGLAND</b>	<b>100%</b>	<b>17.5%</b>	<b>58.6%</b>	<b>14.0%</b>	<b>4.3%</b>	<b>5.6%</b>

**Figure 4a: Percentage of invitations to women aged 20-64, by type of invitation and CSAD**



The total number of invitations (age 20-64) where the type of invitation was "repeat advised within 3 years" is just over 57,000 (or 20.2% of all invitations). The chart below (Figure 4b) shows the different reasons for the early recall.

**Figure 4b: Percentage of invitations to women aged 20-64, where repeat advised in less than 3 years, by reason and CSAD**



**Table 5a: Number of women tested<sup>1</sup>, by type of invitation and age at test**

Source: KC53, part C

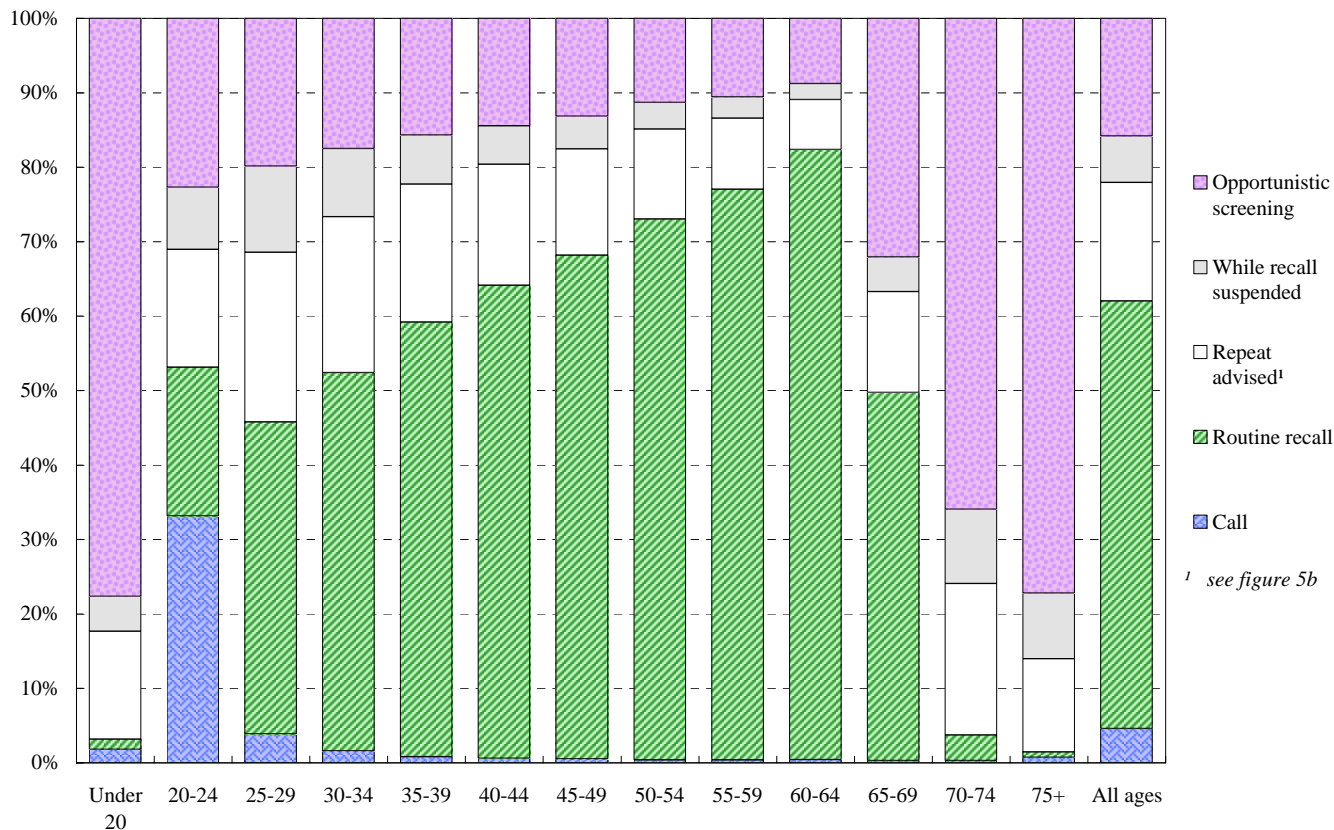
WALES	Total	Call	Routine recall	Repeat advised for reasons of			While recall suspended	Opportunistic screening
				Surveillance	Abnormality	Inadequate		
All ages	216,899	9,939	124,620	21,664	6,082	6,713	13,536	34,345
Ages 20-64	212,981	9,917	123,212	21,286	5,992	6,624	13,331	32,619
Ages 25-64	189,411	2,109	118,497	19,667	4,750	5,759	11,356	27,273
0-19	657	12	9	27	48	20	31	510
20-24	23,570	7,808	4,715	1,619	1,242	865	1,975	5,346
25-29	22,829	885	9,568	3,226	937	1,043	2,631	4,539
30-34	28,687	459	14,572	4,041	813	1,152	2,626	5,024
35-39	30,184	253	17,621	3,704	809	1,072	1,983	4,742
40-44	27,747	169	17,630	2,927	710	868	1,433	4,010
45-49	23,410	119	15,842	2,179	583	584	1,021	3,082
50-54	21,687	84	15,756	1,737	444	437	777	2,452
55-59	20,216	80	15,498	1,236	303	388	573	2,138
60-64	14,651	60	12,010	617	151	215	312	1,286
65-69	2,805	8	1,387	275	40	65	130	900
70-74	320	1	11	59	2	4	32	211
75+	136	1	1	17	0	0	12	105
<b>ENGLAND</b>								
All ages	3,689,147	188,990	1,683,681	448,013	93,187	130,608	145,774	998,894
Ages 20-64	3,596,046	188,316	1,660,076	438,967	91,550	128,612	142,636	945,889
Ages 25-64	3,218,554	67,353	1,603,261	411,410	74,061	112,335	123,844	826,290

**Table 5b: Percentage of women tested<sup>1</sup>, by type of invitation and age at test**

WALES	Total	Call	Routine recall	Repeat advised for reasons of			While recall suspended	Opportunistic screening
				Surveillance	Abnormality	Inadequate		
All ages	100%	4.6%	57.5%	10.0%	2.8%	3.1%	6.2%	15.8%
Ages 20-64	100%	4.7%	57.9%	10.0%	2.8%	3.1%	6.3%	15.3%
Ages 25-64	100%	1.1%	62.6%	10.4%	2.5%	3.0%	6.0%	14.4%
0-19	100%	1.8%	1.4%	4.1%	7.3%	3.0%	4.7%	77.6%
20-24	100%	33.1%	20.0%	6.9%	5.3%	3.7%	8.4%	22.7%
25-29	100%	3.9%	41.9%	14.1%	4.1%	4.6%	11.5%	19.9%
30-34	100%	1.6%	50.8%	14.1%	2.8%	4.0%	9.2%	17.5%
35-39	100%	0.8%	58.4%	12.3%	2.7%	3.6%	6.6%	15.7%
40-44	100%	0.6%	63.5%	10.5%	2.6%	3.1%	5.2%	14.5%
45-49	100%	0.5%	67.7%	9.3%	2.5%	2.5%	4.4%	13.2%
50-54	100%	0.4%	72.7%	8.0%	2.0%	2.0%	3.6%	11.3%
55-59	100%	0.4%	76.7%	6.1%	1.5%	1.9%	2.8%	10.6%
60-64	100%	0.4%	82.0%	4.2%	1.0%	1.5%	2.1%	8.8%
65-69	100%	0.3%	49.4%	9.8%	1.4%	2.3%	4.6%	32.1%
70-74	100%	0.3%	3.4%	18.4%	0.6%	1.3%	10.0%	65.9%
75+	100%	0.7%	0.7%	12.5%	0.0%	0.0%	8.8%	77.2%
<b>ENGLAND</b>								
All ages	100%	5.1%	45.6%	12.1%	2.5%	3.5%	4.0%	27.1%
Ages 20-64	100%	5.2%	46.2%	12.2%	2.5%	3.6%	4.0%	26.3%
Ages 25-64	100%	2.1%	49.8%	12.8%	2.3%	3.5%	3.8%	25.7%

**NOTES:**<sup>1</sup> Most recent test in year

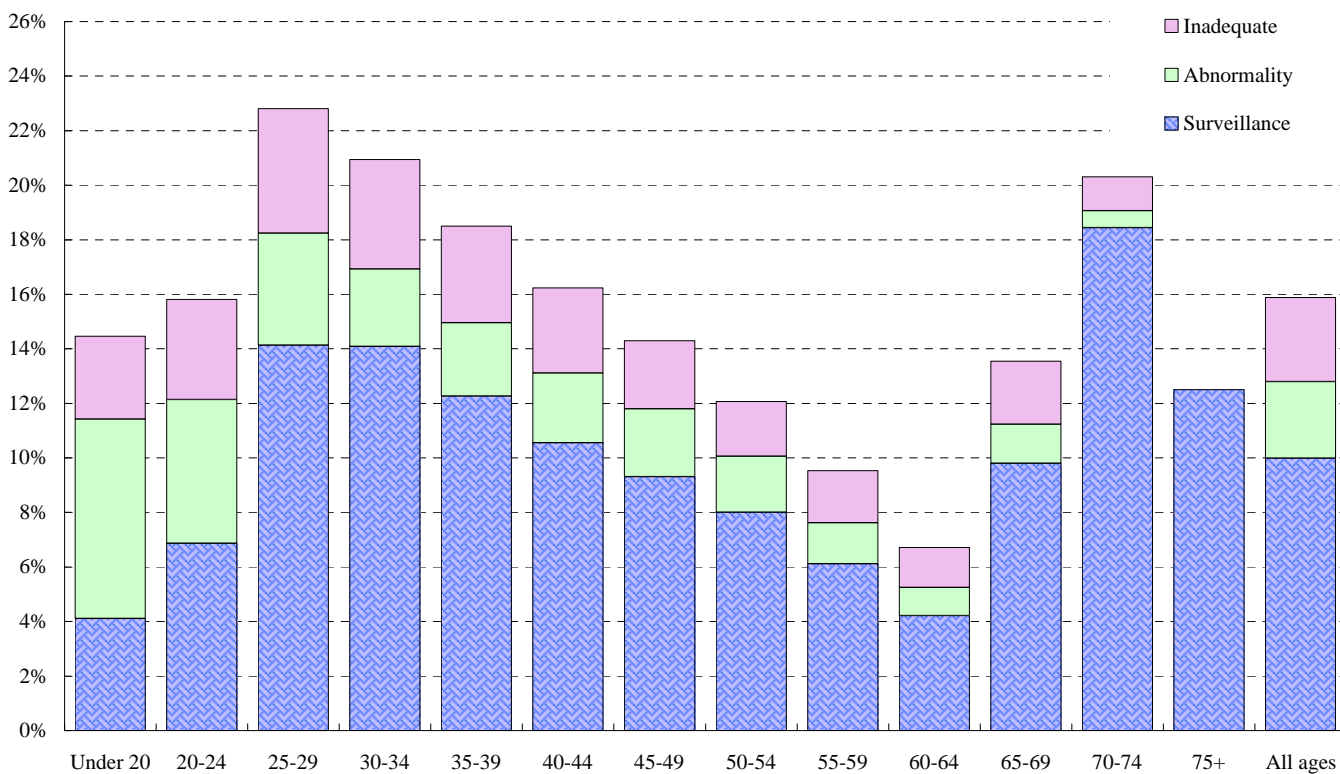
Figure 5a: Percentage of women tested, by type of invitation and age



¹ see figure 5b

The total number of women (all ages) tested where the type of invitation was "repeat advised within 3 years" is just over 34,000 (or 15.9% of all tests). The chart below (Figure 5b) shows the different reasons for the early recall.

Figure 5b: Percentage of women tested, where repeat advised within 3 years, by reason and age



**NOTES:**

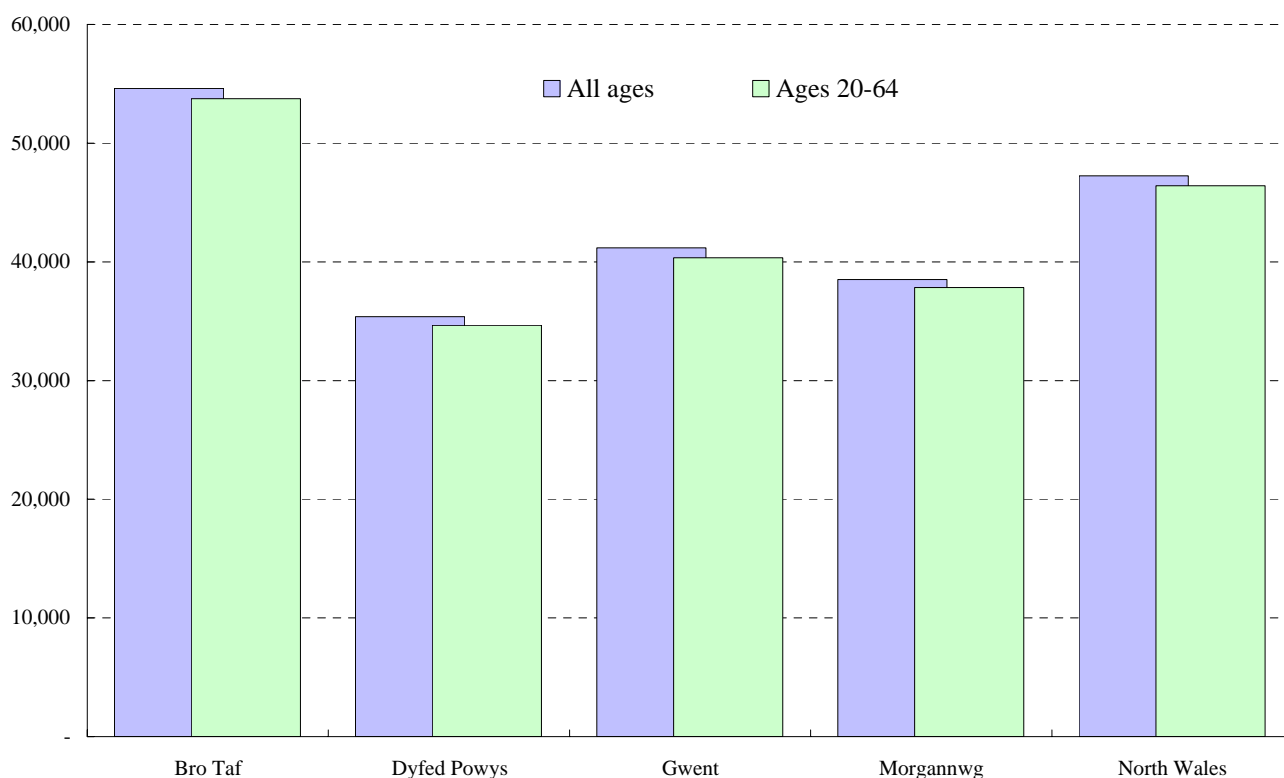
¹ Most recent test in year

**Table 6: Number of women tested<sup>1</sup> in the year, by Cervical Screening Administration Department (CSAD)**

Source: KC53, part C

Age groups	Bro Taf	Dyfed Powys	Gwent	Morgannwg	North Wales	WALES
All ages	54,613	35,373	41,166	38,499	47,248	216,899
Ages 20-64	53,742	34,662	40,335	37,842	46,400	212,981
Ages 25-64	46,185	31,369	36,184	33,676	41,997	189,411
Under 20	185	99	195	98	80	657
20-24	7,557	3,293	4,151	4,166	4,403	23,570
25-29	6,526	3,144	4,315	4,011	4,833	22,829
30-34	7,446	4,234	5,657	4,867	6,483	28,687
35-39	7,680	4,742	5,963	5,333	6,466	30,184
40-44	6,818	4,514	5,352	5,001	6,062	27,747
45-49	5,549	4,151	4,441	4,169	5,100	23,410
50-54	4,902	3,982	4,061	3,863	4,879	21,687
55-59	4,281	3,812	3,657	3,733	4,733	20,216
60-64	2,983	2,790	2,738	2,699	3,441	14,651
65-69	609	518	514	495	669	2,805
70-74	61	62	80	44	73	320
75+	16	32	42	20	26	136

**Figure 6: Number of women tested in the year<sup>1</sup>, by CSAD**



**NOTES:**

<sup>1</sup> Most recent test in year

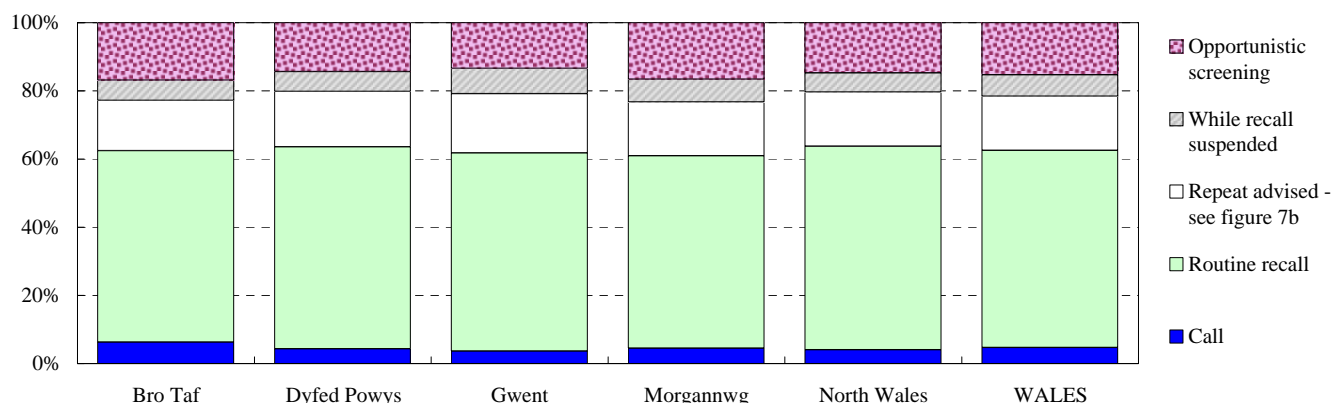
**Table 7a: Number of women aged 20-64 tested<sup>1</sup> in the year, by type of invitation and Cervical Screening Administration Department (CSAD)**

CSAD	Total	Call	Routine recall	Repeat in three years for reasons of			Recall suspended	Opportunistic screening
				Surveillance	Abnormality	Inadequate		
Bro Taf	53,742	3,385	30,172	4,629	1,476	1,793	3,212	9,075
Dyfed Powys	34,662	1,495	20,541	3,606	1,048	980	2,008	4,984
Gwent	40,335	1,466	23,457	5,134	946	917	2,984	5,431
Morgannwg	37,842	1,705	21,339	3,548	1,203	1,232	2,523	6,292
North Wales	46,400	1,866	27,703	4,369	1,319	1,702	2,604	6,837
<b>WALES</b>	<b>212,981</b>	<b>9,917</b>	<b>123,212</b>	<b>21,286</b>	<b>5,992</b>	<b>6,624</b>	<b>13,331</b>	<b>32,619</b>
<b>ENGLAND</b>	<b>3,596,046</b>	<b>188,316</b>	<b>1,660,076</b>	<b>438,967</b>	<b>91,550</b>	<b>128,612</b>	<b>142,636</b>	<b>945,889</b>

**Table 7b: Percentage of women aged 20-64 tested<sup>1</sup> in the year, by type of invitation and Cervical Screening Administration Department (CSAD)**

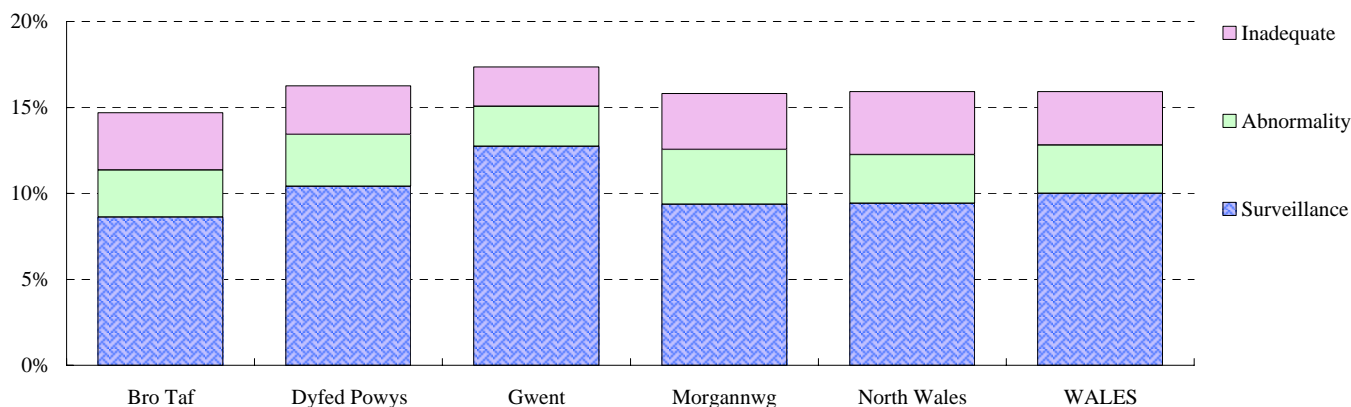
CSAD	Total	Call	Routine recall	Repeat in three years for reasons of			Recall suspended	Opportunistic screening
				Surveillance	Abnormality	Inadequate		
Bro Taf	100%	6.3%	56.1%	8.6%	2.7%	3.3%	6.0%	16.9%
Dyfed Powys	100%	4.3%	59.3%	10.4%	3.0%	2.8%	5.8%	14.4%
Gwent	100%	3.6%	58.2%	12.7%	2.3%	2.3%	7.4%	13.5%
Morgannwg	100%	4.5%	56.4%	9.4%	3.2%	3.3%	6.7%	16.6%
North Wales	100%	4.0%	59.7%	9.4%	2.8%	3.7%	5.6%	14.7%
<b>WALES</b>	<b>100%</b>	<b>4.7%</b>	<b>57.9%</b>	<b>10.0%</b>	<b>2.8%</b>	<b>3.1%</b>	<b>6.3%</b>	<b>15.3%</b>
<b>ENGLAND</b>	<b>100%</b>	<b>5.2%</b>	<b>46.2%</b>	<b>12.2%</b>	<b>2.5%</b>	<b>3.6%</b>	<b>4.0%</b>	<b>26.3%</b>

**Figure 7a: Percentage of women aged 20-64 tested, by type of invitation and CSAD**



The total number of women (age 20-64) tested where the type of invitation was "repeat advised within 3 years" is nearly 34,000 (or 15.9% of all tests). The chart below (Figure 7b) shows the different reasons for the early recall.

**Figure 7b: Percentage of women aged 20-64 tested, where repeat advised within 3 years, by reason and CSAD**



**NOTES:**

<sup>1</sup> Most recent test in year

**Table 8a: Number of test results<sup>12</sup>, by age**

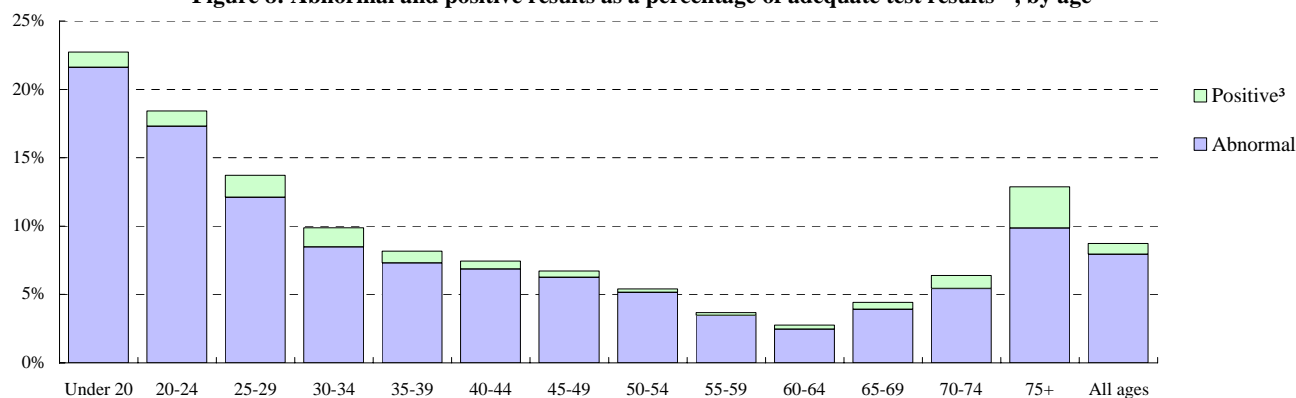
Source: KC53, part D

<b>WALES</b>	<b>Total<sup>2</sup></b>	<b>Negative</b>	<b>Borderline/mild dyskaryosis</b>	<b>Moderate dyskaryosis</b>	<b>Positive<sup>3</sup></b>
All ages	210,777	192,352	14,630	2,116	1,679
Ages 20-64	206,946	188,822	14,384	2,089	1,651
Ages 25-64	184,356	170,395	11,078	1,489	1,394
Under 20	625	483	121	14	7
20-24	22,590	18,427	3,306	600	257
25-29	21,939	18,930	2,187	470	352
30-34	27,708	24,973	1,991	358	386
35-39	29,292	26,900	1,892	248	252
40-44	27,028	25,019	1,688	167	154
45-49	22,848	21,313	1,315	114	106
50-54	21,264	20,112	1,038	56	58
55-59	19,885	19,152	639	50	44
60-64	14,392	13,996	328	26	42
65-69	2,761	2,639	102	6	14
70-74	313	293	14	3	3
75+	132	115	9	4	4
<b>ENGLAND</b>					
All ages	3,533,051	3,262,970	217,727	28,312	24,042
Ages 20-64	3,443,427	3,179,910	212,424	27,753	23,340
Ages 25-64	3,090,188	2,880,343	168,454	21,079	20,312

**Table 8b: Percentage of test results<sup>12</sup>, by age**

<b>WALES</b>	<b>Total<sup>2</sup></b>	<b>Negative</b>	<b>Borderline/mild dyskaryosis</b>	<b>Moderate dyskaryosis</b>	<b>Positive<sup>3</sup></b>
All ages	100%	91.3%	6.9%	1.0%	0.8%
Ages 20-64	100%	91.2%	7.0%	1.0%	0.8%
Ages 25-64	100%	92.4%	6.0%	0.8%	0.8%
Under 20	100%	77.3%	19.4%	2.2%	1.1%
20-24	100%	81.6%	14.6%	2.7%	1.1%
25-29	100%	86.3%	10.0%	2.1%	1.6%
30-34	100%	90.1%	7.2%	1.3%	1.4%
35-39	100%	91.8%	6.5%	0.8%	0.9%
40-44	100%	92.6%	6.2%	0.6%	0.6%
45-49	100%	93.3%	5.8%	0.5%	0.5%
50-54	100%	94.6%	4.9%	0.3%	0.3%
55-59	100%	96.3%	3.2%	0.3%	0.2%
60-64	100%	97.2%	2.3%	0.2%	0.3%
65-69	100%	95.6%	3.7%	0.2%	0.5%
70-74	100%	93.6%	4.5%	1.0%	1.0%
75+	100%	87.1%	6.8%	3.0%	3.0%
<b>ENGLAND</b>					
All ages	100.0%	92.4%	6.2%	0.8%	0.7%
Ages 20-64	100.0%	92.3%	6.2%	0.8%	0.7%
Ages 25-64	100.0%	93.2%	5.5%	0.7%	0.7%

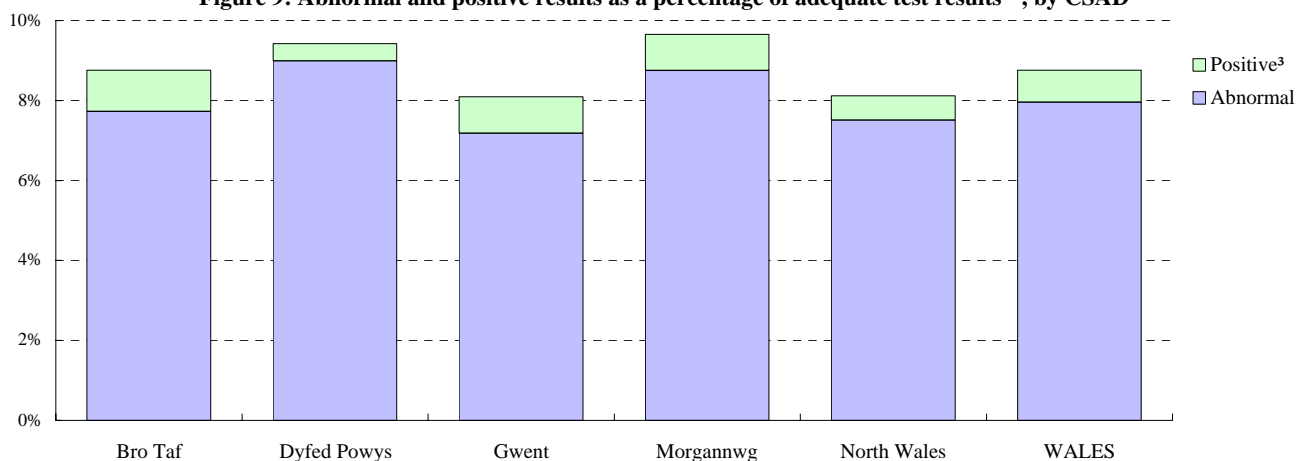
**NOTES:**<sup>1</sup> Most severe result in year<sup>2</sup> Excluding those women whose tests during the year were classified as 'inadequate'<sup>3</sup> 'Positive' includes results reported as 'severe dyskaryosis', 'severe dyskaryosis/?invasive carcinoma', or '?glandular neoplasia'

**Figure 8: Abnormal and positive results as a percentage of adequate test results <sup>12</sup>, by age****Table 9a: Number of test results<sup>1</sup>, of women aged 20-64, by Cervical Screening Administration Department (CSAD)**

CSAD	Total <sup>2</sup>	Negative	Borderline/mild dyskaryosis	Moderate dyskaryosis	Positive <sup>3</sup>
Bro Taf	52,366	47,781	3,533	514	538
Dyfed Powys	33,530	30,370	2,677	339	144
Gwent	40,130	36,881	2,398	484	367
Morgannwg	36,407	32,891	2,755	430	331
North Wales	44,513	40,899	3,021	322	271
<b>WALES</b>	<b>206,946</b>	<b>188,822</b>	<b>14,384</b>	<b>2,089</b>	<b>1,651</b>
<b>ENGLAND</b>	<b>3,443,427</b>	<b>3,179,910</b>	<b>212,424</b>	<b>27,753</b>	<b>23,340</b>

**Table 9b: Percentage of test results<sup>1</sup>, of women aged 20-64, by Cervical Screening Administration Department (CSAD)**

CSAD	Total <sup>2</sup>	Negative	Borderline/mild dyskaryosis	Moderate dyskaryosis	Positive <sup>3</sup>
Bro Taf	100%	91.2%	6.7%	1.0%	1.0%
Dyfed Powys	100%	90.6%	8.0%	1.0%	0.4%
Gwent	100%	91.9%	6.0%	1.2%	0.9%
Morgannwg	100%	90.3%	7.6%	1.2%	0.9%
North Wales	100%	91.9%	6.8%	0.7%	0.6%
<b>WALES</b>	<b>100%</b>	<b>91.2%</b>	<b>7.0%</b>	<b>1.0%</b>	<b>0.8%</b>
<b>ENGLAND</b>	<b>100%</b>	<b>92.3%</b>	<b>6.2%</b>	<b>0.8%</b>	<b>0.7%</b>

**Figure 9: Abnormal and positive results as a percentage of adequate test results <sup>12</sup>, by CSAD****NOTES:**<sup>1</sup> Most severe result in year<sup>2</sup> Excluding those women whose tests during the year were classified as 'inadequate'<sup>3</sup> 'Positive' includes results reported as 'severe dyskaryosis', 'severe dyskaryosis/?invasive carcinoma', or 'severe dyskaryosis/?glandular neoplasia'; 'Abnormal' results are 'borderline', 'mild dyskaryosis' or 'moderate dyskaryosis'

**Table 10: Number of smears examined by pathology laboratories, and number found inadequate, by source of smear**

Source: KC61, part A

Laboratory		Total	NHS		GUM clinic	NHS		Other
			GP	community clinic		hospital	Private	
Bronglais	Total smears	320	-	-	-	320	-	-
	No. inadequate	24	-	-	-	24	-	-
	% inadequate	7.5%	0.0%	0.0%	0.0%	7.5%	0.0%	0.0%
	No. adequate	296	-	-	-	296	-	-
	No. positive	11	-	-	-	11	-	-
	% positive <sup>1</sup>	3.7%	0.0%	0.0%	0.0%	3.7%	0.0%	0.0%
Glan Clwyd	Total smears	16,587	14,310	1,098	12	1,166	1	-
	No. inadequate	1,754	1,549	134	-	71	-	-
	% inadequate	10.6%	10.8%	12.2%	0.0%	6.1%	0.0%	0.0%
	No. adequate	14,833	12,761	964	12	1,095	1	-
	No. positive	95	76	5	-	14	-	-
	% positive <sup>1</sup>	0.6%	0.6%	0.5%	0.0%	1.3%	0.0%	0.0%
Gwynedd	Total smears	16,150	13,550	1,461	-	1,083	1	55
	No. inadequate	1,524	1,256	185	-	72	-	11
	% inadequate	9.4%	9.3%	12.7%	0.0%	6.6%	0.0%	20.0%
	No. adequate	14,626	12,294	1,276	-	1,011	1	44
	No. positive	115	87	13	-	14	-	1
	% positive <sup>1</sup>	0.8%	0.7%	1.0%	0.0%	1.4%	0.0%	2.3%
Llandough	Total smears	38,093	31,090	1,681	420	4,496	56	350
	No. inadequate	1,159	969	19	4	93	-	74
	% inadequate	3.0%	3.1%	1.1%	1.0%	2.1%	0.0%	21.1%
	No. adequate	36,934	30,121	1,662	416	4,403	56	276
	No. positive	494	196	10	3	284	-	1
	% positive <sup>1</sup>	1.3%	0.7%	0.6%	0.7%	6.5%	0.0%	0.4%
Prince Charles	Total smears	12,100	8,155	2,509	2	1,433	-	1
	No. inadequate	1,538	969	381	-	188	-	-
	% inadequate	12.7%	11.9%	15.2%	0.0%	13.1%	0.0%	0.0%
	No. adequate	10,562	7,186	2,128	2	1,245	-	1
	No. positive	86	36	18	-	32	-	-
	% positive <sup>1</sup>	0.8%	0.5%	0.8%	0.0%	2.6%	0.0%	0.0%
Princess of Wales	Total smears	10,567	8,685	1,273	23	578	-	8
	No. inadequate	660	555	98	-	7	-	-
	% inadequate	6.2%	6.4%	7.7%	0.0%	1.2%	0.0%	0.0%
	No. adequate	9,907	8,130	1,175	23	571	-	8
	No. positive	38	29	5	-	3	-	1
	% positive <sup>1</sup>	0.4%	0.4%	0.4%	0.0%	0.5%	0.0%	12.5%
Royal Glamorgan	Total smears	20,235	16,936	1,659	109	1,293	18	220
	No. inadequate	1,136	993	115	7	18	1	2
	% inadequate	5.6%	5.9%	6.9%	6.4%	1.4%	5.6%	0.9%
	No. adequate	19,099	15,943	1,544	102	1,275	17	218
	No. positive	258	144	11	1	101	-	1
	% positive <sup>1</sup>	1.4%	0.9%	0.7%	1.0%	7.9%	0.0%	0.5%

**NOTES:**<sup>1</sup> % positive of all adequate results

'Positive' includes results reported as 'severe dyskaryosis', 'severe dyskaryosis/?invasive carcinoma', or 'severe dyskaryosis/?glandular neoplasia'

**Table 10: Number of smears examined by pathology laboratories, and number found inadequate, by source of smear**  
**continued**

Source: KC61, part A

Laboratory		Total	NHS		GUM clinic	NHS		Other
			GP	community clinic		hospital	Private	
Royal Gwent	Total smears	37,022	29,530	3,219	17	4,256	-	-
	No. inadequate	374	179	109	-	86	-	-
	% inadequate	1.0%	0.6%	3.4%	0.0%	2.0%	0.0%	0.0%
	No. adequate	36,648	29,351	3,110	17	4,170	-	-
	No. positive	352	201	23	-	128	-	-
	% positive <sup>1</sup>	1.0%	0.7%	0.7%	0.0%	3.1%	0.0%	0.0%
Swansea	Total smears	36,387	31,413	1,943	23	2,972	11	25
	No. inadequate	3,121	2,803	171	4	142	1	-
	% inadequate	8.6%	8.9%	8.8%	17.4%	4.8%	9.1%	0.0%
	No. adequate	33,266	28,610	1,772	19	2,830	10	25
	No. positive	402	207	9	-	186	-	-
	% positive <sup>1</sup>	1.2%	0.7%	0.5%	0.0%	6.6%	0.0%	0.0%
West Wales	Total smears	19,212	16,590	1,400	1	1,195	14	12
	No. inadequate	1,415	1,262	101	1	49	-	2
	% inadequate	7.4%	7.6%	7.2%	100.0%	4.1%	0.0%	16.7%
	No. adequate	17,797	15,328	1,299	-	1,146	14	10
	No. positive	55	34	4	-	17	-	-
	% positive <sup>1</sup>	0.3%	0.2%	0.3%	0.0%	1.5%	0.0%	0.0%
Withybush	Total smears	8,873	7,898	423	-	549	1	2
	No. inadequate	500	443	20	-	37	-	-
	% inadequate	5.6%	5.6%	4.7%	0.0%	6.7%	0.0%	0.0%
	No. adequate	8,373	7,455	403	-	512	1	2
	No. positive	24	20	-	-	4	-	-
	% positive <sup>1</sup>	0.3%	0.3%	0.0%	0.0%	0.8%	0.0%	0.0%
Wrexham Maelor	Total smears	15,212	12,064	1,654	20	1,432	38	4
	No. inadequate	695	579	60	-	54	2	-
	% inadequate	4.6%	4.8%	3.6%	0.0%	3.8%	5.3%	0.0%
	No. adequate	14,517	11,485	1,594	20	1,378	36	4
	No. positive	64	48	3	-	12	1	-
	% positive <sup>1</sup>	0.4%	0.4%	0.2%	0.0%	0.9%	2.8%	0.0%
Shrewsbury	Total smears	5,037	4,641	170	1	215	10	-
	No. inadequate	560	521	21	-	17	1	-
	% inadequate	11.1%	11.2%	12.4%	0.0%	7.9%	10.0%	0.0%
	No. adequate	4,477	4,120	149	1	198	9	-
	No. positive	19	13	1	-	5	-	-
	% positive <sup>1</sup>	0.4%	0.3%	0.7%	0.0%	2.5%	0.0%	0.0%
<b>WALES</b>	Total smears	235,795	194,862	18,490	628	20,988	150	677
	No. inadequate	14,460	12,078	1,414	16	858	5	89
	% inadequate	6.1%	6.2%	7.6%	2.5%	4.1%	3.3%	13.1%
	No. adequate	221,335	182,784	17,076	612	20,130	145	588
	No. positive	2,013	1,091	102	4	811	1	4
	% positive <sup>1</sup>	0.9%	0.6%	0.6%	0.7%	4.0%	0.7%	0.7%

**NOTES:**

<sup>1</sup> % positive of all adequate results

'Positive' includes results reported as 'severe dyskaryosis', 'severe dyskaryosis/?invasive carcinoma', or 'severe dyskaryosis/?glandular neoplasia'

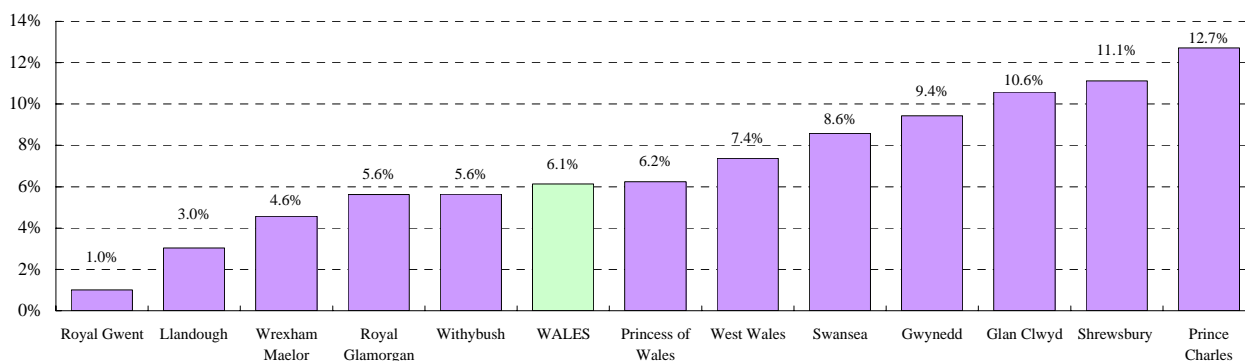
**Table 10: Number of smears examined by pathology laboratories, and number found inadequate, by source of smear**

**Wales and England totals**

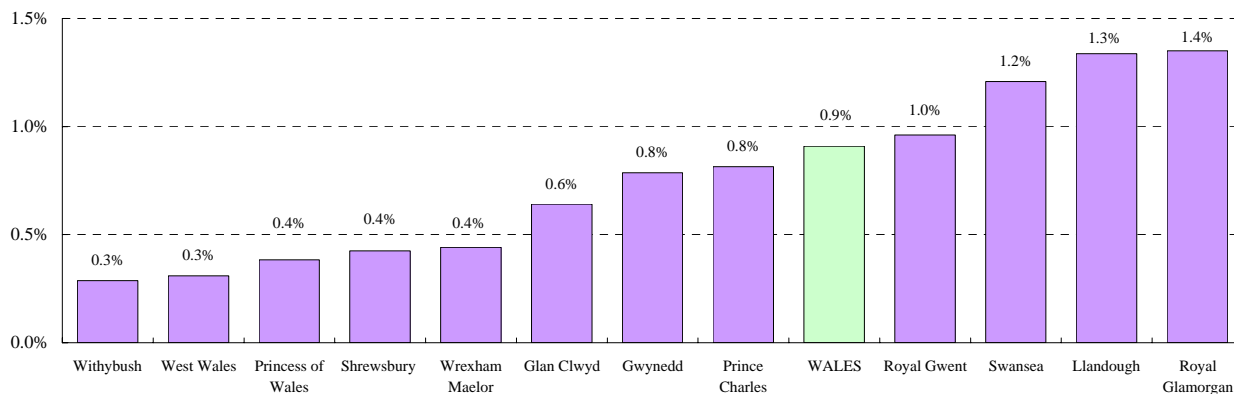
Source: KC61, part A

Laboratory		Total	NHS		GUM clinic	NHS		Other
			GP	community clinic		hospital	Private	
WALES	Total smears	235,795	194,862	18,490	628	20,988	150	677
	No. inadequate	14,460	12,078	1,414	16	858	5	89
	% inadequate	6.1%	6.2%	7.6%	2.5%	4.1%	3.3%	13.1%
	No. adequate	221,335	182,784	17,076	612	20,130	145	588
	No. positive	2,013	1,091	102	4	811	1	4
	% positive <sup>1</sup>	0.9%	0.6%	0.6%	0.7%	4.0%	0.7%	0.7%
ENGLAND	Total smears	4,154,546	3,630,643	187,581	33,962	258,013	24,105	20,242
	No. inadequate	384,940	337,998	19,709	3,641	20,332	1,173	2,087
	% inadequate	9.3%	9.3%	10.5%	10.7%	7.9%	4.9%	10.3%
	No. adequate	3,769,606	3,292,645	167,872	30,321	237,681	22,932	18,155
	No. positive	26,718	18,759	1,126	373	6,087	214	159
	% positive <sup>1</sup>	0.7%	0.6%	0.7%	1.2%	2.6%	0.9%	0.9%

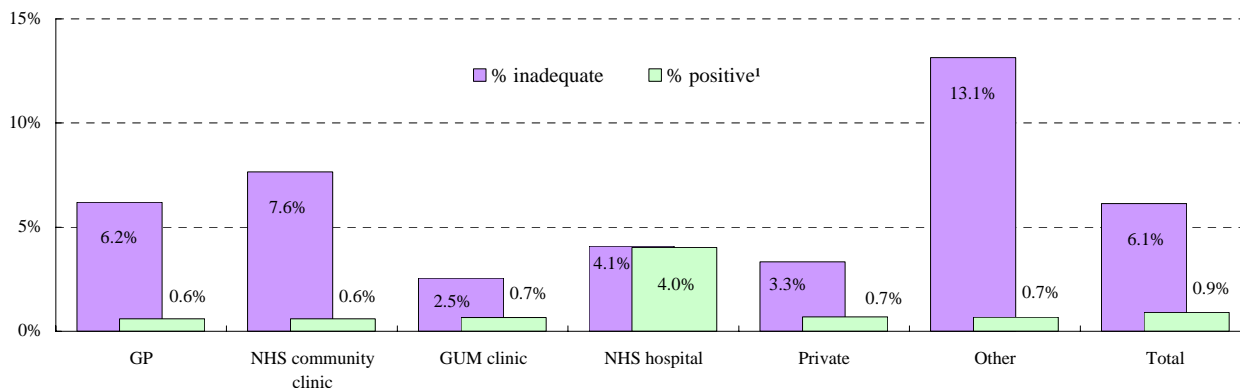
**Figure 10a: Percentage of inadequate smears, by laboratory**



**Figure 10b: Percentage of positive smears <sup>1</sup>, by laboratory**



**Figure 10c: Percentage of inadequate and positive smears, by source of smear**



**NOTES:**

<sup>1</sup> % positive of all adequate results

'Positive' includes results reported as 'severe dyskaryosis', 'severe dyskaryosis/?invasive carcinoma', or 'severe dyskaryosis/?glandular neoplasia'

**Table 11a: Result of test<sup>1</sup>, by laboratory**

Source: KC61, part B

Laboratory	Total adequate smears	Negative	Borderline changes	Mild dyskaryosis	Moderate dyskaryosis	Severe dyskaryosis	Severe dyskaryosis	Severe dyskaryosis
							/?Invasive carcinoma	/?Glandular neoplasia
Glan Clwyd	13,725	12,247	1,016	260	121	70	2	9
Gwynedd	13,570	12,882	338	165	85	90	5	5
Llandough	31,783	29,298	1,567	538	174	157	17	32
Prince Charles	9,314	8,237	591	336	96	48	2	4
Princess of Wales	9,305	8,708	357	148	58	24	2	8
Royal Glamorgan	17,487	16,232	422	432	246	140	4	11
Royal Gwent	32,461	30,118	1,080	763	276	203	9	12
Swansea	30,382	27,348	1,867	629	322	189	11	16
West Wales	16,627	14,943	625	876	145	31	4	3
Withybush	7,858	7,097	477	179	85	17	1	2
Wrexham	13,079	11,946	686	347	49	37	3	11
Shrewsbury	4,269	4,024	132	79	20	12	1	1
<b>WALES</b>	199,860	183,080	9,158	4,752	1,677	1,018	61	114
<b>ENGLAND</b>	3,460,517	3,201,605	139,824	74,765	24,438	17,282	801	1,802

**Table 11b: Result (as percentage of total adequate test)<sup>1</sup> by laboratory**

Laboratory	Total adequate smears	Negative	Borderline changes	Mild dyskaryosis	Moderate dyskaryosis	Severe dyskaryosis	Severe dyskaryosis	Severe dyskaryosis
							/?Invasive carcinoma	/?Glandular neoplasia
Glan Clwyd	100%	89.2%	7.4%	1.9%	0.9%	0.5%	0.0%	0.1%
Gwynedd	100%	94.9%	2.5%	1.2%	0.6%	0.7%	0.0%	0.0%
Llandough	100%	92.2%	4.9%	1.7%	0.5%	0.5%	0.1%	0.1%
Prince Charles	100%	88.4%	6.3%	3.6%	1.0%	0.5%	0.0%	0.0%
Princess of Wales	100%	93.6%	3.8%	1.6%	0.6%	0.3%	0.0%	0.1%
Royal Glamorgan	100%	92.8%	2.4%	2.5%	1.4%	0.8%	0.0%	0.1%
Royal Gwent	100%	92.8%	3.3%	2.4%	0.9%	0.6%	0.0%	0.0%
Swansea	100%	90.0%	6.1%	2.1%	1.1%	0.6%	0.0%	0.1%
West Wales	100%	89.9%	3.8%	5.3%	0.9%	0.2%	0.0%	0.0%
Withybush	100%	90.3%	6.1%	2.3%	1.1%	0.2%	0.0%	0.0%
Wrexham	100%	91.3%	5.2%	2.7%	0.4%	0.3%	0.0%	0.1%
Shrewsbury	100%	94.3%	3.1%	1.9%	0.5%	0.3%	0.0%	0.0%
<b>WALES</b>	100%	91.6%	4.6%	2.4%	0.8%	0.5%	0.0%	0.1%
<b>ENGLAND</b>	100%	92.5%	4.0%	2.2%	0.7%	0.5%	0.0%	0.1%

**NOTES:**<sup>1</sup> Results of smears from GP and NHS community clinics only

Figure 11a: Result of test<sup>1</sup>, by laboratory

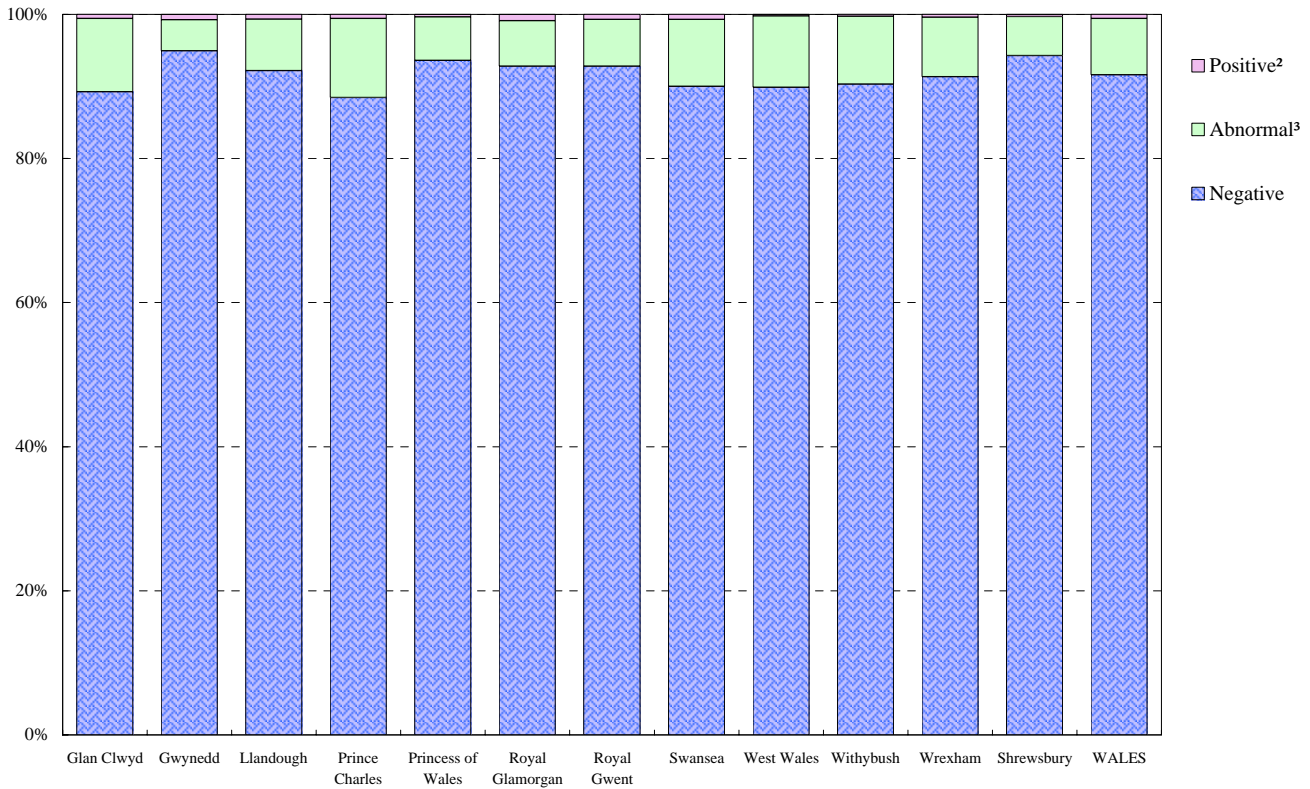
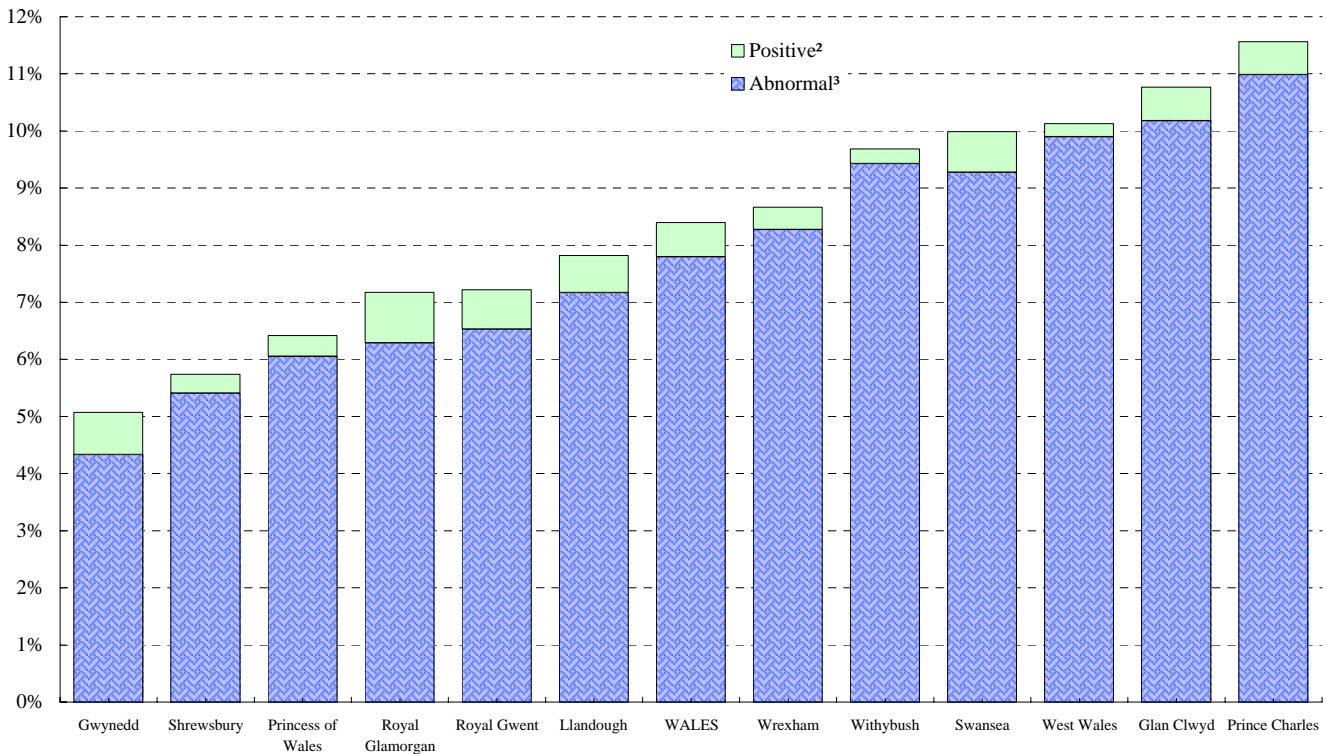


Figure 11b: Abnormal and positive results as a percentage of adequate smears<sup>1</sup>, by laboratory



**NOTES:**

<sup>1</sup> Results of smears examined from GP and NHS community clinics only

<sup>2</sup> 'Positive' results are 'severe dyskaryosis', 'severe dyskaryosis/?invasive carcinoma', or 'severe dyskaryosis/?glandular neoplasia'

<sup>3</sup> 'Abnormal' results are 'borderline', 'mild dyskaryosis' or 'moderate dyskaryosis'

**Table 12a: Number of adequate smears examined by pathology laboratories<sup>1</sup>, by result of test and age.**

Source: KC61, part B

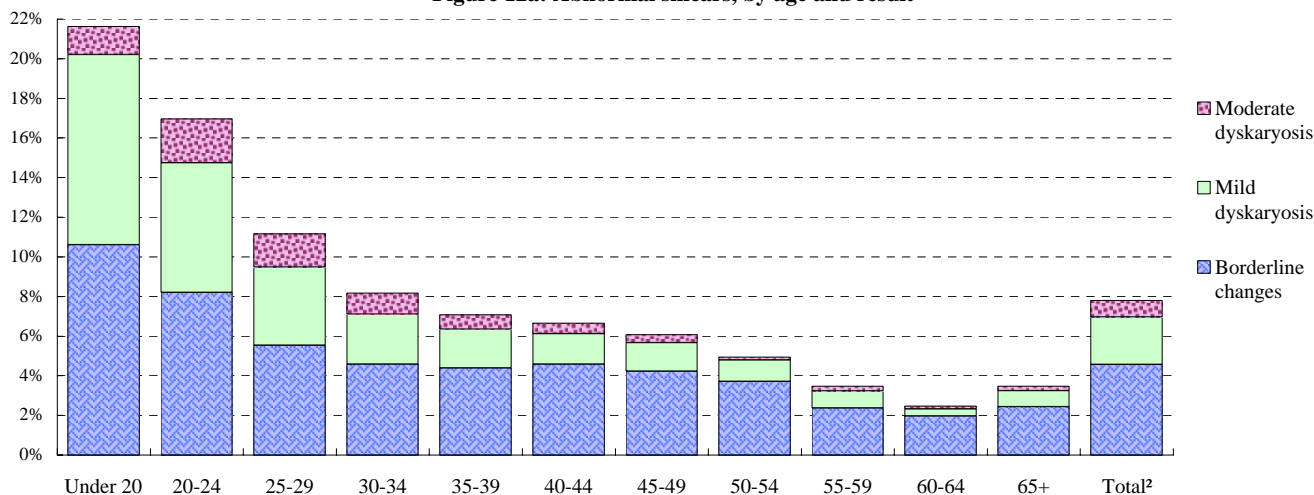
Results of tests	Total <sup>2</sup>	Under 20	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65+
Negative	183,069	762	18,796	18,302	23,591	25,540	23,665	20,390	19,342	17,888	13,102	1,691
Borderline changes	9,147	104	1,879	1,158	1,194	1,215	1,168	923	758	440	265	43
Mild dyskaryosis	4,751	94	1,496	823	654	541	392	311	219	159	48	14
Moderate dyskaryosis	1,677	14	506	351	278	202	135	91	30	47	19	4
Severe dyskaryosis	1,018	6	201	249	228	136	80	59	26	17	12	4
?Invasive carcinoma	61	-	4	3	17	10	10	8	2	4	3	-
?Glandular neoplasia	114	-	7	10	31	12	15	11	10	9	7	2
<b>TOTAL</b>	<b>199,837</b>	<b>980</b>	<b>22,889</b>	<b>20,896</b>	<b>25,993</b>	<b>27,656</b>	<b>25,465</b>	<b>21,793</b>	<b>20,387</b>	<b>18,564</b>	<b>13,456</b>	<b>1,758</b>

**Table 12b: Percentage of adequate smears examined by pathology laboratories<sup>1</sup>, by result of test and age.**

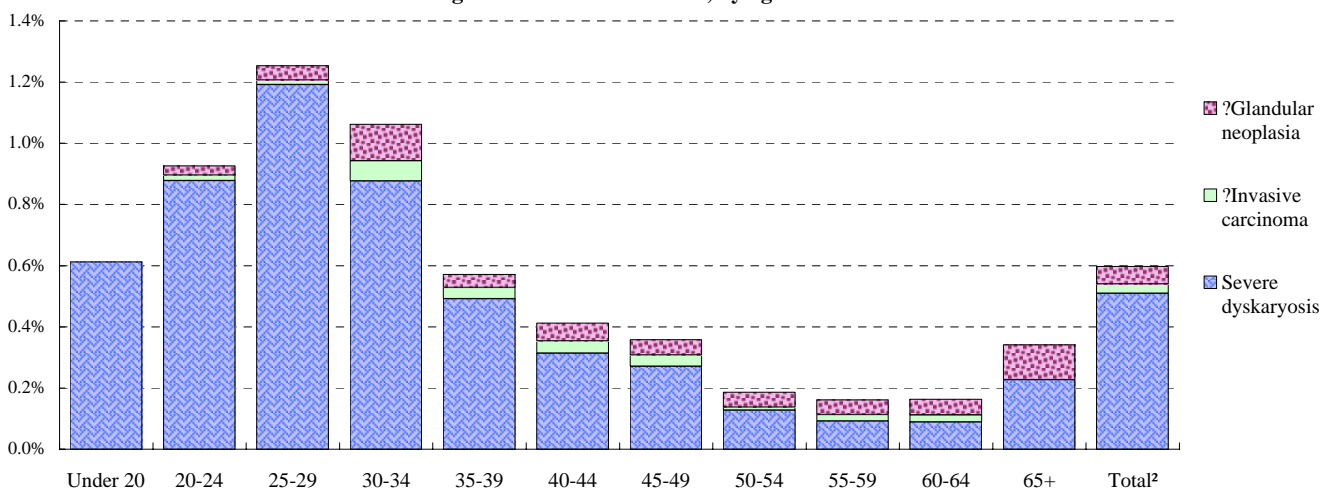
Source: KC61, part B

Results of tests	Total <sup>2</sup>	Under 20	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65+
Negative	91.6%	77.8%	82.1%	87.6%	90.8%	92.3%	92.9%	93.6%	94.9%	96.4%	97.4%	96.2%
Borderline changes	4.6%	10.6%	8.2%	5.5%	4.6%	4.4%	4.6%	4.2%	3.7%	2.4%	2.0%	2.4%
Mild dyskaryosis	2.4%	9.6%	6.5%	3.9%	2.5%	2.0%	1.5%	1.4%	1.1%	0.9%	0.4%	0.8%
Moderate dyskaryosis	0.8%	1.4%	2.2%	1.7%	1.1%	0.7%	0.5%	0.4%	0.1%	0.3%	0.1%	0.2%
Severe dyskaryosis	0.5%	0.6%	0.9%	1.2%	0.9%	0.5%	0.3%	0.3%	0.1%	0.1%	0.1%	0.2%
?Invasive carcinoma	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
?Glandular neoplasia	0.1%	0.0%	0.0%	0.0%	0.1%	0.0%	0.1%	0.1%	0.0%	0.0%	0.1%	0.1%
<b>TOTAL</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>

**Figure 12a: Abnormal smears, by age and result**



**Figure 12b: Positive smears, by age and result**



**NOTES:**

<sup>1</sup> Results of smears examined from GP and NHS community clinics only

<sup>2</sup> Age not knowns (1 negative in Prince Charles, 5 negatives in Swansea, 2 negatives in Princess of Wales and 3 negatives, 1 borderline and 1 mild dyskaryosis in Glan Clwyd and 10 borderlines in Shrewsbury) not included in the total.

**Table 13a: Number of inadequate smears, by age and laboratory<sup>1</sup>**

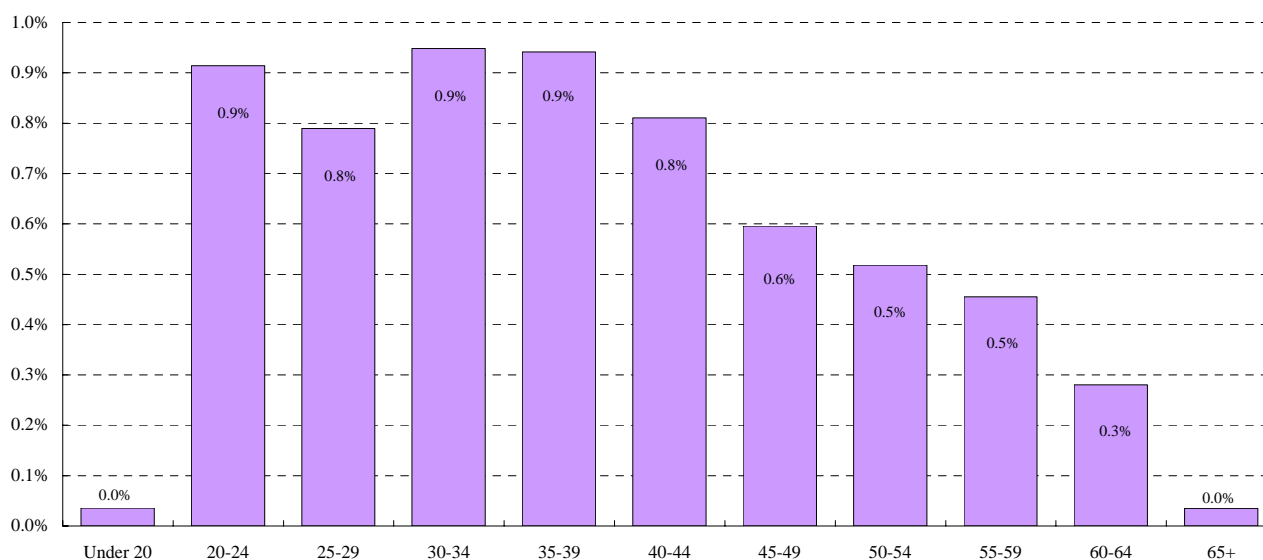
Source: KC61, part B

Laboratory	Total inadequate smears	Age Group										
		Under 20	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65+
Glan Clwyd	1,682	6	174	173	241	261	231	167	181	147	89	12
Gwynedd	1,441	12	218	201	243	178	183	126	124	92	53	11
Llandough	988	5	198	152	166	140	102	87	58	50	27	3
Prince Charles	1,350	7	177	149	203	220	228	129	94	75	58	10
Princess of Wales	653	3	74	87	97	100	66	54	60	70	38	4
Royal Glamorgan	1,108	7	225	172	186	149	109	78	75	59	46	2
Royal Gwent	288	4	24	34	50	55	40	27	21	14	15	4
Swansea	2,973	22	475	375	392	468	382	283	237	201	127	11
West Wales	1,363	8	208	158	194	186	181	125	120	120	58	5
Withybush	463	-	51	53	87	78	52	47	33	41	20	1
Wrexham	639	1	77	61	99	89	80	70	56	61	40	5
Shrewsbury	542	1	49	69	65	85	75	78	46	41	27	6
<b>TOTAL</b>	<b>13,490</b>	<b>76</b>	<b>1,950</b>	<b>1,684</b>	<b>2,023</b>	<b>2,009</b>	<b>1,729</b>	<b>1,271</b>	<b>1,105</b>	<b>971</b>	<b>598</b>	<b>74</b>

**Table 13b: Inadequate smears as a percentage<sup>3</sup> of total smears, by age and laboratory**

Laboratory	Total <sup>3</sup>	Under 20	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65+
Glan Clwyd	10.9%	0.0%	1.1%	1.1%	1.6%	1.7%	1.5%	1.1%	1.2%	1.0%	0.6%	0.1%
Gwynedd	9.6%	0.1%	1.5%	1.3%	1.6%	1.2%	1.2%	0.8%	0.8%	0.6%	0.4%	0.1%
Llandough	3.0%	0.0%	0.6%	0.5%	0.5%	0.4%	0.3%	0.3%	0.2%	0.2%	0.1%	0.0%
Prince Charles	12.7%	0.1%	1.7%	1.4%	1.9%	2.1%	2.1%	1.2%	0.9%	0.7%	0.5%	0.1%
Princess of Wales	6.6%	0.0%	0.7%	0.9%	1.0%	1.0%	0.7%	0.5%	0.6%	0.7%	0.4%	0.0%
Royal Glamorgan	6.0%	0.0%	1.2%	0.9%	1.0%	0.8%	0.6%	0.4%	0.4%	0.3%	0.2%	0.0%
Royal Gwent	0.9%	0.0%	0.1%	0.1%	0.2%	0.2%	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%
Swansea	8.9%	0.1%	1.4%	1.1%	1.2%	1.4%	1.1%	0.8%	0.7%	0.6%	0.4%	0.0%
West Wales	7.6%	0.0%	1.2%	0.9%	1.1%	1.0%	1.0%	0.7%	0.7%	0.7%	0.3%	0.0%
Withybush	5.6%	0.0%	0.6%	0.6%	1.0%	0.9%	0.6%	0.6%	0.4%	0.5%	0.2%	0.0%
Wrexham	4.7%	0.0%	0.6%	0.4%	0.7%	0.6%	0.6%	0.5%	0.4%	0.4%	0.3%	0.0%
Shrewsbury	11.3%	0.0%	1.0%	1.4%	1.4%	1.8%	1.6%	1.6%	1.0%	0.9%	0.6%	0.1%
<b>TOTAL<sup>3</sup></b>	<b>6.3%</b>	<b>0.0%</b>	<b>0.9%</b>	<b>0.8%</b>	<b>0.9%</b>	<b>0.9%</b>	<b>0.8%</b>	<b>0.6%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.3%</b>	<b>0.0%</b>

**Figure 13 : Inadequate smears as a percentage<sup>3</sup> of total smears, by age**



**NOTES:**

<sup>1</sup> Results of smears examined from GP and NHS community clinics only

<sup>2</sup> There are 2 'Age not knowns' (1 Glan Clwyd and 1 Swansea) not included in the number of total smears used to calculate the percentages for the laboratories concerned and TOTAL.

<sup>3</sup> Percentage of known ages

Women referred following smear results: inadequate/borderline/mild dyskaryosis (ie HMR 101/5, category 1/8/3 results)

Number of women

Laboratory	Total	Cancer	Adeno-carcinoma			CIN 1	HPV only	No CIN/ No HPV	Inadequate biopsy	Colposcopy		Result not known*
			in-situ	CIN 3	CIN 2					NAD - no biopsy taken*	Result known*	
Glan Clwyd	363	-	-	20	23	102	15	94	3	96	10	
Gwynedd	182	-	-	19	23	47	5	25	1	56	6	
Llandough	475	-	-	30	41	53	70	210	7	39	25	
Prince Charles	327	-	-	6	17	56	86	108	4	27	23	
Princess of Wales	147	1	-	26	18	27	12	15	4	18	26	
Royal Glamorgan	339	1	-	12	32	47	30	66	2	56	93	
Royal Gwent	997	1	-	34	86	173	51	159	-	95	398	
Swansea	630	-	1	43	48	118	70	181	11	82	76	
West Wales	436	-	1	13	36	83	39	98	8	150	8	
Withybush	210	-	-	7	20	93	26	22	4	35	3	
Wrexham	429	-	-	17	33	106	9	87	2	166	9	
<b>TOTAL*</b>	<b>4,535</b>	<b>3</b>	<b>2</b>	<b>227</b>	<b>377</b>	<b>905</b>	<b>413</b>	<b>1,065</b>	<b>46</b>	<b>820</b>	<b>677</b>	

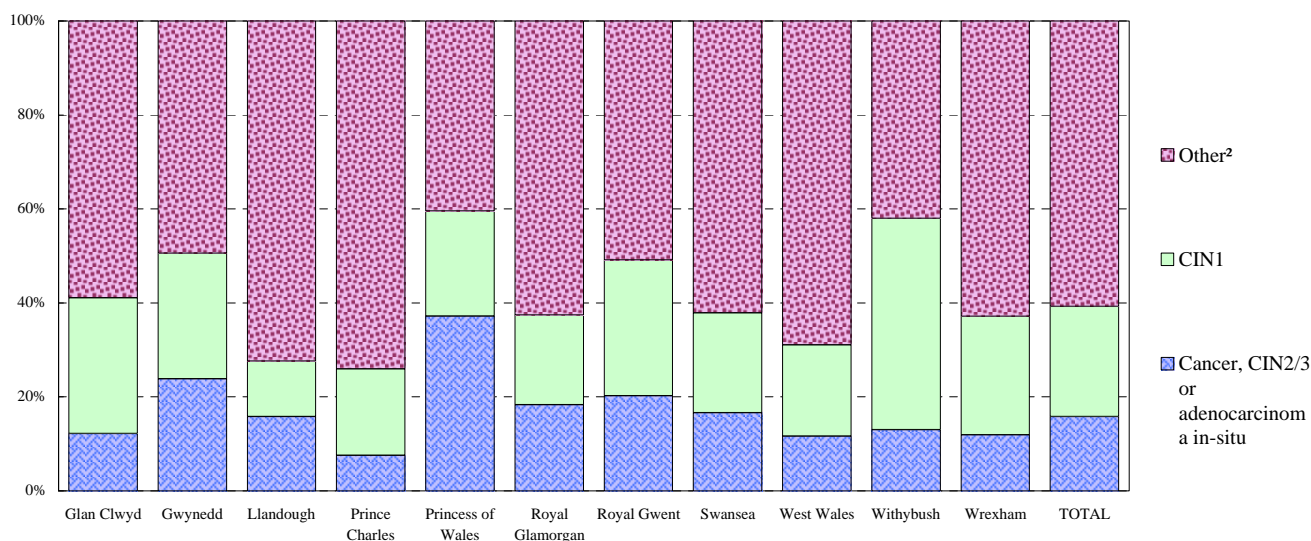
Table 14b: Outcome for women recommended for gynaecological referral during April 2001 - March 2002

Women referred following smear results: inadequate/borderline/mild dyskaryosis (ie HMR 101/5, category 1/8/3 results)

Percentage of cases with known result

Laboratory	Total with known result	Cancer	Adeno-carcinoma			CIN 1	HPV only	No CIN/ No HPV	Inadequate biopsy	Colposcopy		Result not known*
			in-situ	CIN 3	CIN 2					NAD - no biopsy taken*	Result known*	
Glan Clwyd	100%	0.0%	0.0%	5.7%	6.5%	28.9%	4.2%	26.6%	0.8%	27.2%	2.8%	
Gwynedd	100%	0.0%	0.0%	10.8%	13.1%	26.7%	2.8%	14.2%	0.6%	31.8%	3.3%	
Llandough	100%	0.0%	0.0%	6.7%	9.1%	11.8%	15.6%	46.7%	1.6%	8.7%	5.3%	
Prince Charles	100%	0.0%	0.0%	2.0%	5.6%	18.4%	28.3%	35.5%	1.3%	8.9%	7.0%	
Princess of Wales	100%	0.8%	0.0%	21.5%	14.9%	22.3%	9.9%	12.4%	3.3%	14.9%	17.7%	
Royal Glamorgan	100%	0.4%	0.0%	4.9%	13.0%	19.1%	12.2%	26.8%	0.8%	22.8%	27.4%	
Royal Gwent	100%	0.2%	0.0%	5.7%	14.4%	28.9%	8.5%	26.5%	0.0%	15.9%	39.9%	
Swansea	100%	0.0%	0.2%	7.8%	8.7%	21.3%	12.6%	32.7%	2.0%	14.8%	12.1%	
West Wales	100%	0.0%	0.2%	3.0%	8.4%	19.4%	9.1%	22.9%	1.9%	35.0%	1.8%	
Withybush	100%	0.0%	0.0%	3.4%	9.7%	44.9%	12.6%	10.6%	1.9%	16.9%	1.4%	
Wrexham	100%	0.0%	0.0%	4.0%	7.9%	25.2%	2.1%	20.7%	0.5%	39.5%	2.1%	
<b>TOTAL*</b>	<b>100%</b>	<b>0.1%</b>	<b>0.1%</b>	<b>5.9%</b>	<b>9.8%</b>	<b>23.5%</b>	<b>10.7%</b>	<b>27.6%</b>	<b>1.2%</b>	<b>21.3%</b>	<b>14.9%</b>	

Figure 14a: Outcome of referral - following smear results of inadequate, borderline or mild dyskaryosis



NOTES:

<sup>1</sup> as percentage of total results (ie 'known' and 'not known')

<sup>2</sup> Other = 'HPV only', 'No CIN/No HPV', 'Inadequate biopsy', and 'Colposcopy NAD - no biopsy taken'

\* Llandough 'Result not known' included with 'Colposcopy NAD - no biopsy taken' as unable to split.

**Table 14c: Outcome for women recommended for gynaecological referral during April 2001 - March 2002**

Source: KC61, part C

**Women referred following smear results: moderate dyskaryosis or worse, (ie HMR 101/5, category 7/4/5/6 results)**

**Number of women**

Laboratory	Total	Cancer	Adeno-carcinoma				HPV only	No CIN/No HPV	Inadequate biopsy	Colposcopy	
			in-situ	CIN 3	CIN 2	CIN 1				NAD - no biopsy taken*	Result not known*
Glan Clwyd	201	2	-	63	38	29	1	15	2	46	5
Gwynedd	281	8	2	115	44	29	1	22	-	55	5
Llandough	443	9	5	214	64	26	25	71	3	7	19
Prince Charles	174	3	1	56	38	25	15	25	2	5	4
Princess of Wales	95	-	4	54	14	6	2	12	-	3	-
Royal Glamorgan	446	7	6	145	111	41	19	34	3	26	54
Royal Gwent	763	23	3	269	201	96	17	60	7	63	24
Swansea	424	11	6	186	71	59	20	44	1	17	9
West Wales	209	10	1	70	51	26	14	21	3	12	1
Withybush	83	3	2	39	22	6	4	3	-	3	1
Wrexham	152	4	1	45	27	23	-	16	1	29	6
<b>TOTAL*</b>	<b>3,271</b>	<b>80</b>	<b>31</b>	<b>1,256</b>	<b>681</b>	<b>366</b>	<b>118</b>	<b>323</b>	<b>22</b>	<b>266</b>	<b>128</b>

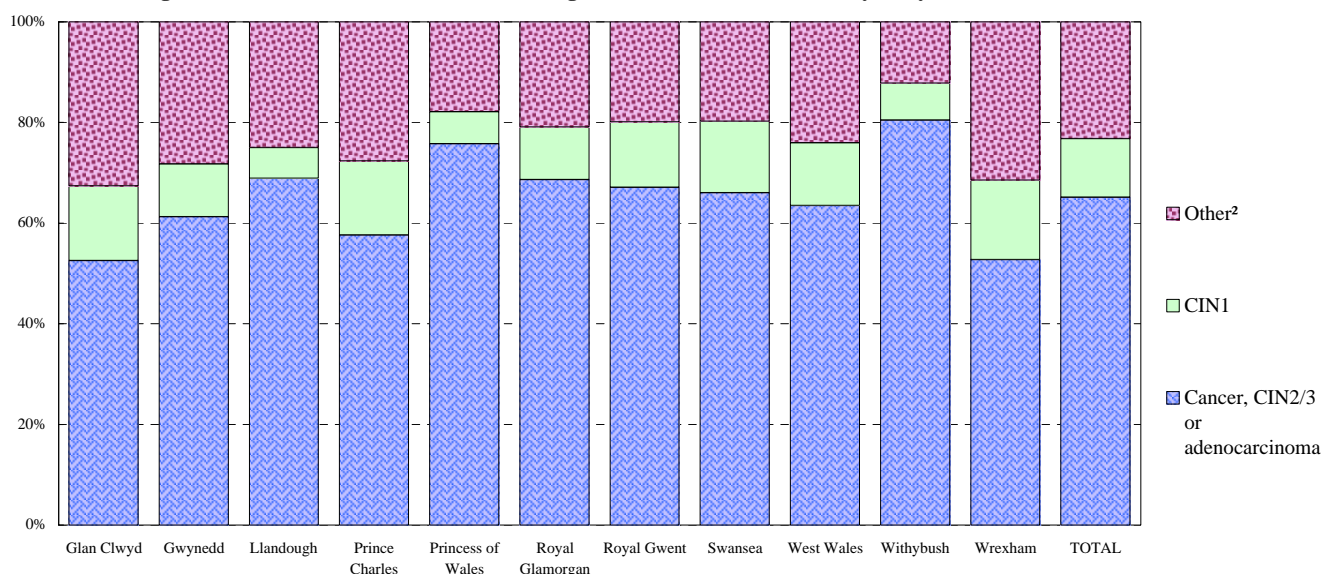
**Table 14d: Outcome for women recommended for gynaecological referral during April 2001 - March 2002**

**Women referred following smear results: moderate dyskaryosis or worse, (ie HMR 101/5, category 7/4/5/6 results)**

**Percentage of cases with known result**

Laboratory	Total with known result	Cancer	Adeno-carcinoma				HPV only	No CIN/No HPV	Inadequate biopsy	Colposcopy	
			in-situ	CIN 3	CIN 2	CIN 1				NAD - no biopsy taken*	Result not known <sup>1*</sup>
Glan Clwyd	100%	1.0%	0.0%	32.1%	19.4%	14.8%	0.5%	7.7%	1.0%	23.5%	2.5%
Gwynedd	100%	2.9%	0.7%	41.7%	15.9%	10.5%	0.4%	8.0%	0.0%	19.9%	1.8%
Llandough	100%	2.1%	1.2%	50.5%	15.1%	6.1%	5.9%	16.7%	0.7%	1.7%	4.3%
Prince Charles	100%	1.8%	0.6%	32.9%	22.4%	14.7%	8.8%	14.7%	1.2%	2.9%	2.3%
Princess of Wales	100%	0.0%	4.2%	56.8%	14.7%	6.3%	2.1%	12.6%	0.0%	3.2%	0.0%
Royal Glamorgan	100%	1.8%	1.5%	37.0%	28.3%	10.5%	4.8%	8.7%	0.8%	6.6%	12.1%
Royal Gwent	100%	3.1%	0.4%	36.4%	27.2%	13.0%	2.3%	8.1%	0.9%	8.5%	3.1%
Swansea	100%	2.7%	1.4%	44.8%	17.1%	14.2%	4.8%	10.6%	0.2%	4.1%	2.1%
West Wales	100%	4.8%	0.5%	33.7%	24.5%	12.5%	6.7%	10.1%	1.4%	5.8%	0.5%
Withybush	100%	3.7%	2.4%	47.6%	26.8%	7.3%	4.9%	3.7%	0.0%	3.7%	1.2%
Wrexham	100%	2.7%	0.7%	30.8%	18.5%	15.8%	0.0%	11.0%	0.7%	19.9%	3.9%
<b>TOTAL*</b>	<b>100%</b>	<b>2.5%</b>	<b>1.0%</b>	<b>40.0%</b>	<b>21.7%</b>	<b>11.6%</b>	<b>3.8%</b>	<b>10.3%</b>	<b>0.7%</b>	<b>8.5%</b>	<b>3.9%</b>

**Figure 14b: Outcome of referral - following smear results of moderate dyskaryosis or worse**



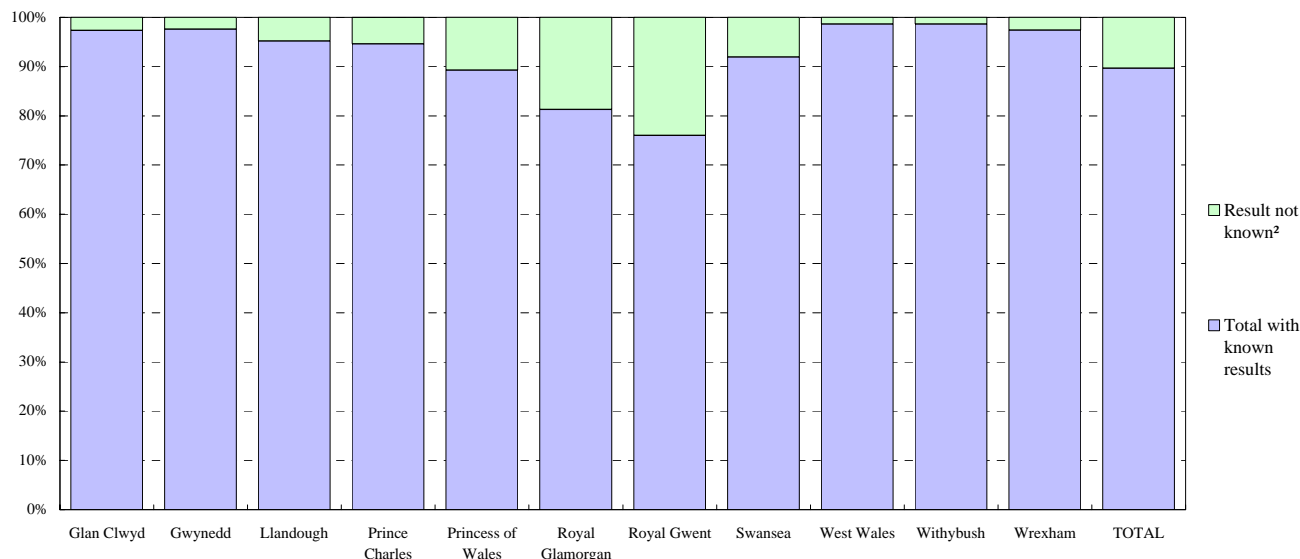
**NOTES:**

<sup>1</sup> as percentage of total results (ie 'known' and 'not known')

<sup>2</sup> Other = 'HPV only', 'No CIN/No HPV', 'Inadequate biopsy', and 'Colposcopy NAD - no biopsy taken'

\* Llandough 'Result not known' included with 'Colposcopy NAD - no biopsy taken' as unable to split.

Figure 14c: Results of tests on women recommended for gynaecological referral

Table 15: Positive Predictive Value (PPV)<sup>1</sup>, by laboratory

Source: KC61, part D

Laboratory	Number of x <sup>1</sup>	Number of y <sup>1</sup>	PPV <sup>1</sup>
Glan Clwyd	103	45	70%
Gwynedd	169	52	76%
Llandough	292	122	71%
Prince Charles	98	65	60%
Princess of Wales	72	20	78%
Royal Glamorgan	269	94	74%
Royal Gwent	496	173	74%
Swansea	274	123	69%
West Wales	132	61	68%
Withybush	66	13	84%
Wrexham	77	39	66%
<b>TOTAL</b>	<b>2,048</b>	<b>807</b>	<b>72%</b>

**NOTES:**

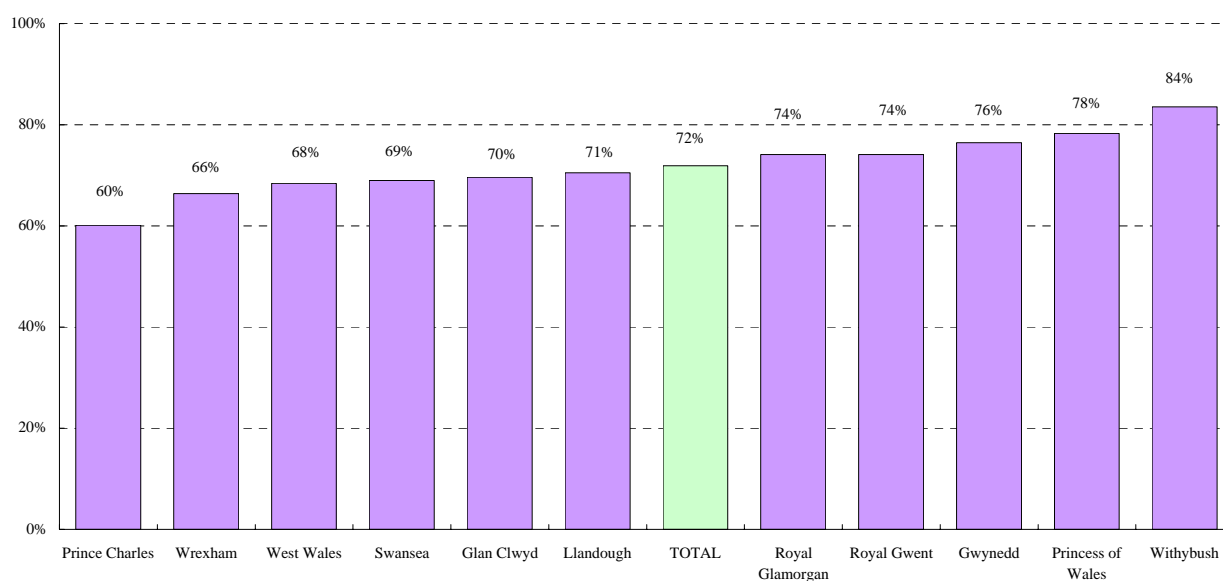
<sup>1</sup> PPV is calculated where the most significant result was moderate dyskaryosis or worse (categories 7/4/5/6) resulting in recommendation for gynaecological referral.

x = outcome of referral equal to 'cancer', 'adenocarcinoma in-situ', 'CIN3' or 'CIN2'.

y = outcome of referral equal to 'CIN1', 'HPV only' or 'No CIN/No HPV'.

% is calculated as Total x / (Total x + Total y) \* 100

See the 'Introduction' for further information.

Figure 15: Positive Predictive Value (PPV)<sup>1</sup>, by laboratory**NOTES:**

<sup>2</sup> Reasons for 'results not known' include women whose outcomes cannot be traced, women who have declined to attend for further investigations, women whose results are not yet available or women whose biopsies have not yet been carried out (for example due to pregnancy).

**Table 16a: Number of new patients seen, by referral smear result and colposcopy clinic**

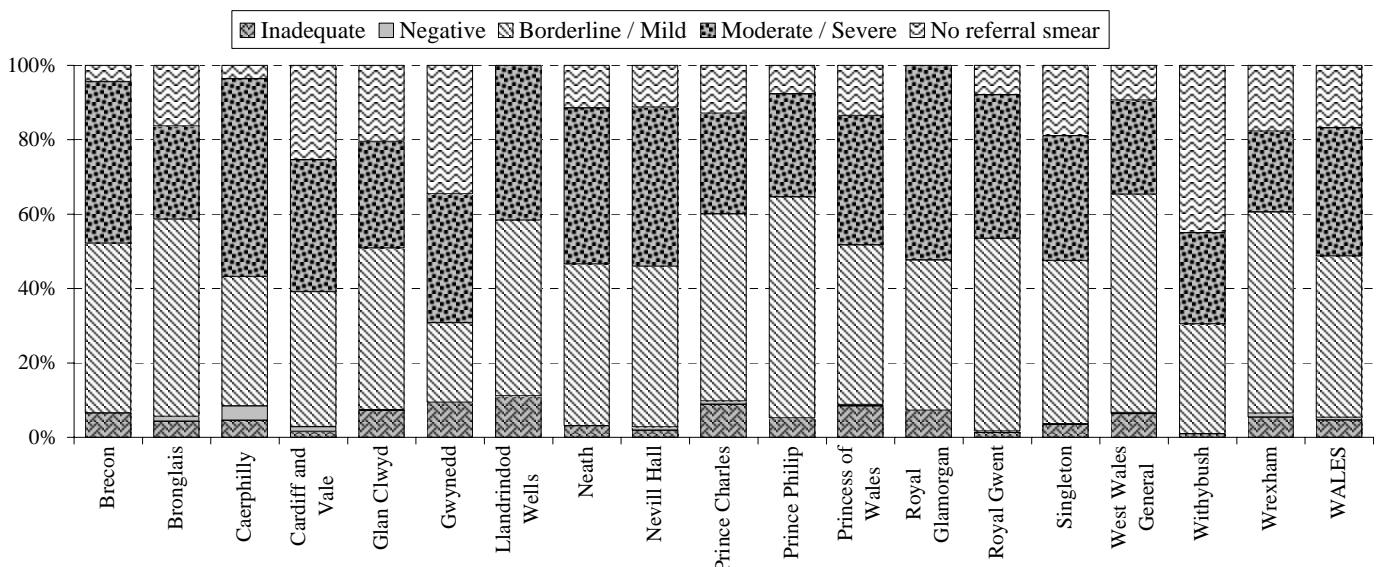
Source: KC65

Colposcopy Clinic	Inadequate	Negative	Borderline changes	Mild dysk	Moderate dysk	Severe dysk	Severe dysk /?Invasive carcinoma	Severe dysk /?glandular neoplasia	No referral smear	Total
Brecon	3	-	10	11	11	8	-	1	2	46
Bronglais	10	3	38	85	38	17	1	2	38	232
Caerphilly	14	12	36	71	97	64	2	1	11	308
Cardiff and Vale	18	15	195	232	197	168	18	33	298	1174
Glan Clwyd	40	1	154	88	91	60	1	7	114	556
Gwynedd	55	-	60	66	86	103	6	8	203	587
Llandrindod Wells	4	-	6	11	6	8	-	1	-	36
Neath	18	-	147	104	140	79	8	16	66	578
Nevill Hall	9	4	89	114	118	76	4	3	53	470
Prince Charles	61	6	159	188	127	57	1	1	89	689
Prince Philip	10	-	32	84	40	11	2	1	15	195
Princess of Wales	27	1	55	82	67	33	1	10	43	319
Royal Glamorgan	33	-	70	116	153	79	2	6	-	459
Royal Gwent	10	3	180	231	172	127	2	5	63	793
Singleton	27	1	194	150	161	90	2	10	148	783
West Wales	21	1	54	141	66	15	2	1	31	332
Withybush	3	-	48	47	56	21	-	2	145	322
Wrexham	37	7	197	170	80	48	4	15	120	678
<b>WALES</b>	<b>400</b>	<b>54</b>	<b>1,724</b>	<b>1,991</b>	<b>1,706</b>	<b>1,064</b>	<b>56</b>	<b>123</b>	<b>1,439</b>	<b>8,557</b>

**Table 16b: Percentage of new patients seen, by referral smear result and colposcopy clinic**

Colposcopy Clinic	Inadequate	Negative	Borderline changes	Mild dysk	Moderate dysk	Severe dysk	Severe dysk /?Invasive carcinoma	Severe dysk /?glandular neoplasia	No referral smear	Total
Brecon	6.5	-	21.7	23.9	23.9	17.4	-	2.2	4.3	100.0
Bronglais	4.3	1.3	16.4	36.6	16.4	7.3	0.4	0.9	16.4	100.0
Caerphilly	4.5	3.9	11.7	23.1	31.5	20.8	0.6	0.3	3.6	100.0
Cardiff and Vale	1.5	1.3	16.6	19.8	16.8	14.3	1.5	2.8	25.4	100.0
Glan Clwyd	7.2	0.2	27.7	15.8	16.4	10.8	0.2	1.3	20.5	100.0
Gwynedd	9.4	-	10.2	11.2	14.7	17.5	1.0	1.4	34.6	100.0
Llandrindod Wells	11.1	-	16.7	30.6	16.7	22.2	-	2.8	-	100.0
Neath	3.1	-	25.4	18.0	24.2	13.7	1.4	2.8	11.4	100.0
Nevill Hall	1.9	0.9	18.9	24.3	25.1	16.2	0.9	0.6	11.3	100.0
Prince Charles	8.9	0.9	23.1	27.3	18.4	8.3	0.1	0.1	12.9	100.0
Prince Philip	5.1	-	16.4	43.1	20.5	5.6	1.0	0.5	7.7	100.0
Princess of Wales	8.5	0.3	17.2	25.7	21.0	10.3	0.3	3.1	13.5	100.0
Royal Glamorgan	7.2	-	15.3	25.3	33.3	17.2	0.4	1.3	-	100.0
Royal Gwent	1.3	0.4	22.7	29.1	21.7	16.0	0.3	0.6	7.9	100.0
Singleton	3.4	0.1	24.8	19.2	20.6	11.5	0.3	1.3	18.9	100.0
West Wales	6.3	0.3	16.3	42.5	19.9	4.5	0.6	0.3	9.3	100.0
Withybush	0.9	-	14.9	14.6	17.4	6.5	-	0.6	45.0	100.0
Wrexham	5.5	1.0	29.1	25.1	11.8	7.1	0.6	2.2	17.7	100.0
<b>WALES</b>	<b>4.7</b>	<b>0.6</b>	<b>20.1</b>	<b>23.3</b>	<b>19.9</b>	<b>12.4</b>	<b>0.7</b>	<b>1.4</b>	<b>16.8</b>	<b>100.0</b>

**Figure 16: Percentage of new patients seen, by referral smear result and colposcopy clinic**

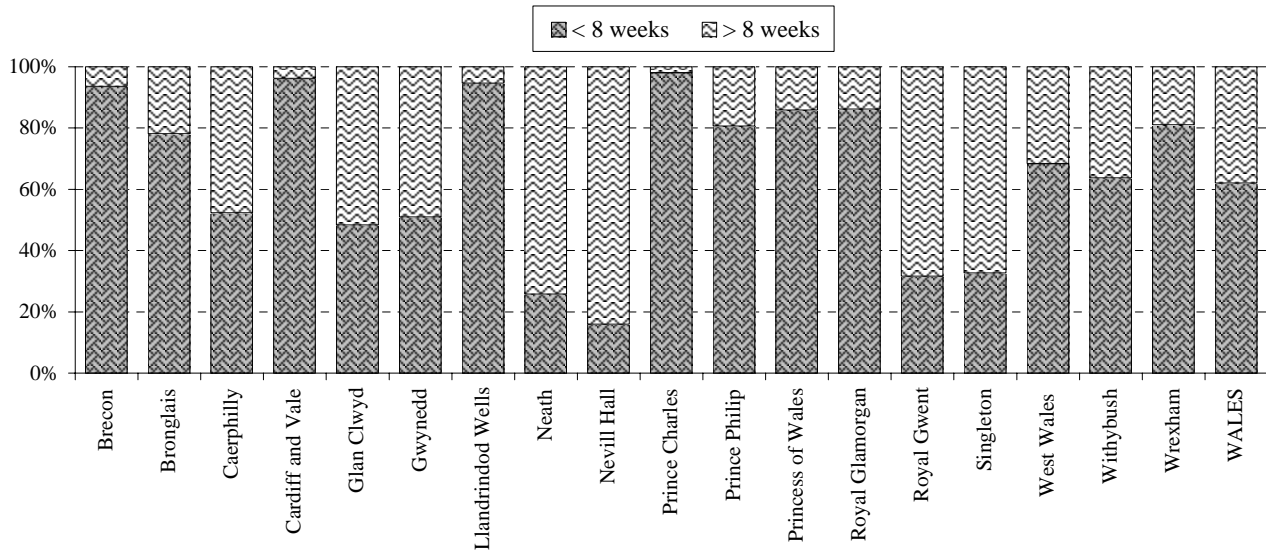


**Table 17: Time from receipt of referral to first offered appointment, by colposcopy clinic (excluding patient instigated delays)**

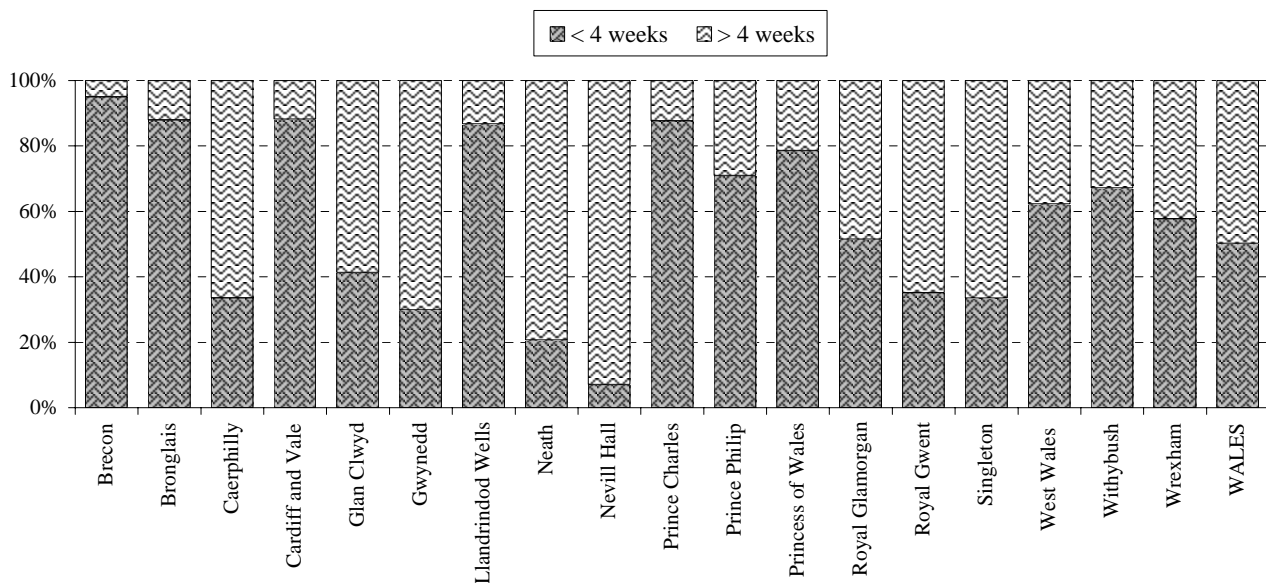
Source

Colposcopy Clinic	All smears			Moderate dyskaryosis or worse		
	< 8 weeks	> 8 weeks	Total	< 4 weeks	> 4 weeks	Total
Brecon	43	3	46	19	1	20
Bronglais	188	53	241	51	7	58
Caerphilly	171	156	327	58	115	173
Cardiff and Vale	1,177	47	1,224	373	50	423
Glan Clwyd	272	291	563	66	94	160
Gwynedd	311	300	611	62	146	208
Llandrindod Wells	35	2	37	13	2	15
Neath	155	447	602	52	200	252
Nevill Hall	79	418	497	15	198	213
Prince Charles	678	14	692	163	23	186
Prince Philip	162	39	201	39	16	55
Princess of Wales	278	46	324	88	24	112
Royal Glamorgan	396	64	460	124	117	241
Royal Gwent	274	595	869	118	218	336
Singleton	257	532	789	89	177	266
West Wales	238	110	348	56	34	90
Withybush	205	117	322	53	26	79
Wrexham	570	134	704	86	63	149
<b>WALES</b>	<b>5,489</b>	<b>3,368</b>	<b>8,857</b>	<b>1,525</b>	<b>1,511</b>	<b>3,036</b>

**Figure 17a: Percentage of all new referrals offered an appointment within 8 weeks, by colposcopy clinic (excluding patient instigated delays)**



**Figure 17b: Percentage of new referrals with moderate dyskaryosis or worse smears offered an appointment within 4 weeks, by colposcopy clinic (excluding patient instigated delays)**



**Table 18a: Total attended visits, by type of visit and colposcopy clinic**

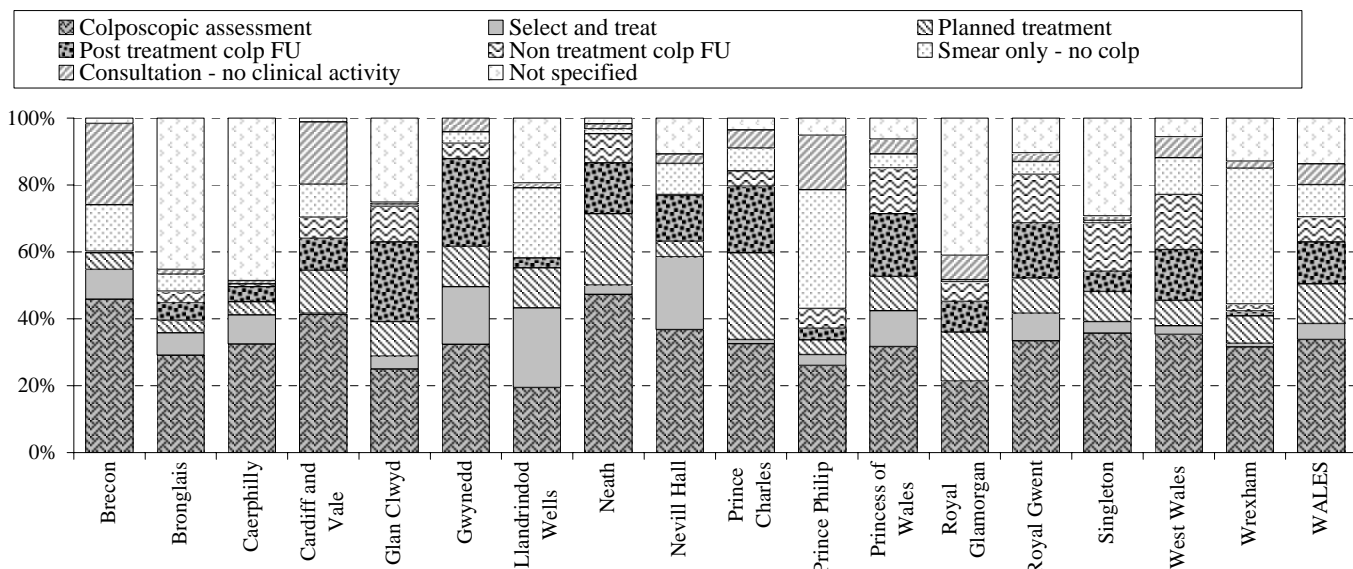
Source: KC65

Colposcopy Clinic	Colposcopic assessment	Select and treat	Planned treatment	Post treatment colp FU	Non treatment colp FU	Smear only - no colp	Consultation - no clinical activity	Not specified	Total
Brecon	83	16	9	1	-	25	44	3	181
Bronglais	148	34	19	26	18	26	7	230	508
Caerphilly	217	58	26	30	6	-	6	325	668
Cardiff and Vale	1,499	10	465	346	230	358	676	41	3,625
Glan Clwyd	492	76	203	470	208	13	13	495	1,970
Gwynedd	399	213	149	324	57	42	51	-	1,235
Llandrindod Wells	13	16	8	2	-	14	1	13	67
Neath	603	35	272	194	111	18	20	22	1,275
Nevill Hall	394	233	51	147	3	99	31	115	1,073
Prince Charles	666	26	531	406	95	138	113	72	2,047
Prince Philip	183	23	31	24	42	249	115	36	703
Princess of Wales	236	80	76	140	102	31	33	47	745
Royal Glamorgan	281	-	193	121	76	9	96	540	1,316
Royal Gwent	450	111	142	223	196	51	35	141	1,349
Singleton	695	66	176	117	280	16	26	569	1,945
West Wales	345	25	74	148	161	107	61	55	976
Withybush	-	-	-	-	-	-	-	-	unknown
Wrexham	731	23	191	34	48	938	49	298	2,312
<b>WALES</b>	<b>7,435</b>	<b>1,045</b>	<b>2,616</b>	<b>2,753</b>	<b>1,633</b>	<b>2,134</b>	<b>1,377</b>	<b>3,002</b>	<b>21,995</b>

**Table 18b: Percentage of attended visits, by type of visit and colposcopy clinic**

Colposcopy Clinic	Colposcopic assessment	Select and treat	Planned treatment	Post treatment colp FU	Non treatment colp FU	Smear only - no colp	Consultation - no clinical activity	Not specified	Total
Brecon	45.9	8.8	5.0	0.6	-	13.8	24.3	1.7	100.0
Bronglais	29.1	6.7	3.7	5.1	3.5	5.1	1.4	45.3	100.0
Caerphilly	32.5	8.7	3.9	4.5	0.9	-	0.9	48.7	100.0
Cardiff and Vale	41.4	0.3	12.8	9.5	6.3	9.9	18.6	1.1	100.0
Glan Clwyd	25.0	3.9	10.3	23.9	10.6	0.7	0.7	25.1	100.0
Gwynedd	32.3	17.2	12.1	26.2	4.6	3.4	4.1	-	100.0
Llandrindod Wells	19.4	23.9	11.9	3.0	-	20.9	1.5	19.4	100.0
Neath	47.3	2.7	21.3	15.2	8.7	1.4	1.6	1.7	100.0
Nevill Hall	36.7	21.7	4.8	13.7	0.3	9.2	2.9	10.7	100.0
Prince Charles	32.5	1.3	25.9	19.8	4.6	6.7	5.5	3.5	100.0
Prince Philip	26.0	3.3	4.4	3.4	6.0	35.4	16.4	5.1	100.0
Princess of Wales	31.7	10.7	10.2	18.8	13.7	4.2	4.4	6.3	100.0
Royal Glamorgan	21.4	-	14.7	9.2	5.8	0.7	7.3	41.0	100.0
Royal Gwent	33.4	8.2	10.5	16.5	14.5	3.8	2.6	10.5	100.0
Singleton	35.7	3.4	9.0	6.0	14.4	0.8	1.3	29.3	100.0
West Wales	35.3	2.6	7.6	15.2	16.5	11.0	6.3	5.6	100.0
Withybush	-	-	-	-	-	-	-	-	unknown
Wrexham	31.6	1.0	8.3	1.5	2.1	40.6	2.1	12.9	100.0
<b>WALES</b>	<b>33.8</b>	<b>4.8</b>	<b>11.9</b>	<b>12.5</b>	<b>7.4</b>	<b>9.7</b>	<b>6.3</b>	<b>13.6</b>	<b>100.0</b>

**Figure 18: Percentage of attended visits, by type of visit and colposcopy clinic**



**Table 19a: Number of new referrals seen, by result of referral smear and most significant procedure**

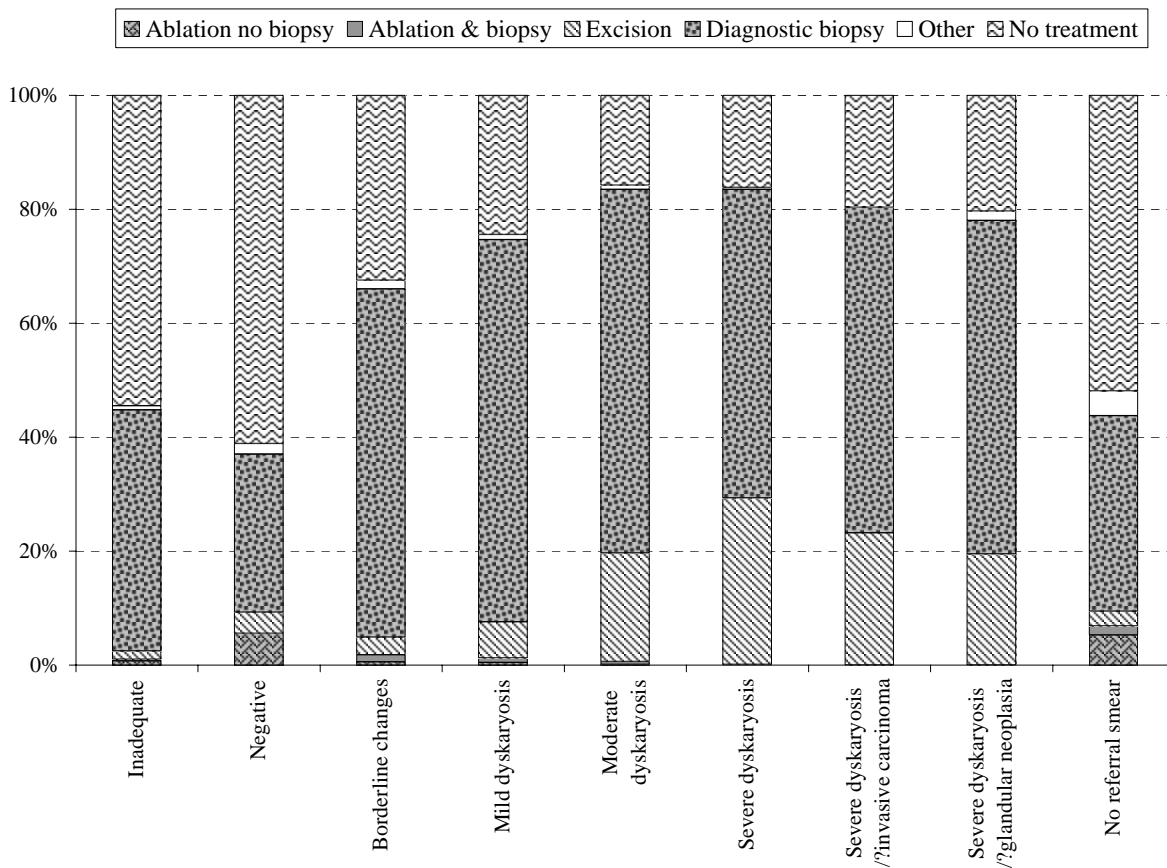
Source: KC65

Result of referral smear	Ablation no biopsy	Ablation & biopsy	Excision	Diagnostic biopsy	Other	No treatment	Total
Inadequate	3	1	6	169	3	218	400
Negative	3	-	2	15	1	33	54
Borderline changes	10	21	53	1,054	26	560	1,724
Mild dyskaryosis	9	16	126	1,336	17	487	1,991
Moderate dyskaryosis	2	9	324	1,089	13	269	1,706
Severe dyskaryosis	-	1	311	576	4	172	1,064
Severe dyskaryosis /?invasive carcinoma	-	-	13	32	-	11	56
Severe dyskaryosis /?glandular neoplasia	-	-	24	72	2	25	123
No referral smear	76	23	37	494	62	747	1,439
<b>Total</b>	<b>103</b>	<b>71</b>	<b>896</b>	<b>4,837</b>	<b>128</b>	<b>2,522</b>	<b>8,557</b>

**Table 19b: Percentage of new referrals seen, by result of referral smear and most significant procedure**

Result of referral smear	Ablation no biopsy	Ablation & biopsy	Excision	Diagnostic biopsy	Other	No treatment	Total
Inadequate	0.8	0.3	1.5	42.3	0.8	54.5	100.0
Negative	5.6	-	3.7	27.8	1.9	61.1	100.0
Borderline changes	0.6	1.2	3.1	61.1	1.5	32.5	100.0
Mild dyskaryosis	0.5	0.8	6.3	67.1	0.9	24.5	100.0
Moderate dyskaryosis	0.1	0.5	19.0	63.8	0.8	15.8	100.0
Severe dyskaryosis	-	0.1	29.2	54.1	0.4	16.2	100.0
Severe dyskaryosis /?invasive carcinoma	-	-	23.2	57.1	-	19.6	100.0
Severe dyskaryosis /?glandular neoplasia	-	-	19.5	58.5	1.6	20.3	100.0
No referral smear	5.3	1.6	2.6	34.3	4.3	51.9	100.0
<b>Total</b>	<b>1.2</b>	<b>0.8</b>	<b>10.5</b>	<b>56.5</b>	<b>1.5</b>	<b>29.5</b>	<b>100.0</b>

**Figure 19: Percentage of new referrals seen, by result of referral smear and most significant procedure**



**Table 20a: Number of new referrals seen, by most significant procedure and colposcopy clinic**

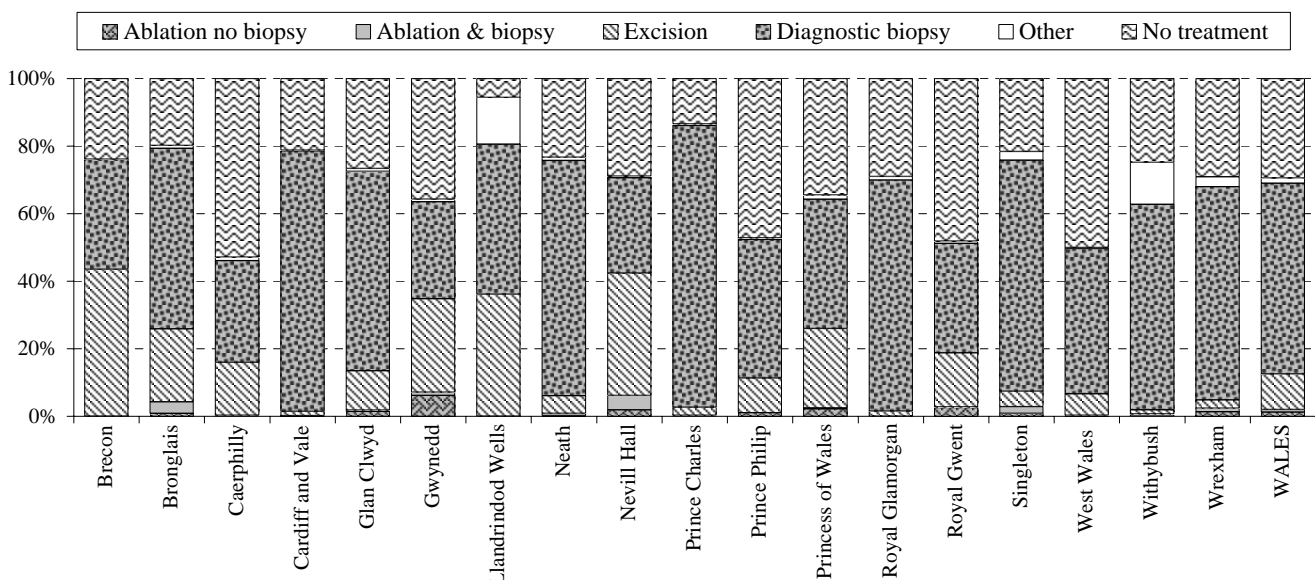
Source: KC65

Colposcopy Clinic	Ablation no biopsy	Ablation & biopsy	Excision	Diagnostic biopsy	Other	No treatment	Total
Brecon	-	-	20	15	-	11	46
Bronglais	2	8	50	124	2	46	232
Caerphilly	-	1	48	93	3	163	308
Cardiff and Vale	1	1	15	905	3	249	1,174
Glan Clwyd	8	2	65	328	5	148	556
Gwynedd	36	6	162	169	4	210	587
Llandrindod Wells	-	-	13	16	5	2	36
Neath	1	4	30	403	5	135	578
Nevill Hall	9	20	170	133	2	136	470
Prince Charles	-	2	16	575	3	93	689
Prince Philip	2	-	20	80	1	92	195
Princess of Wales	7	1	75	122	4	110	319
Royal Glamorgan	-	-	7	314	5	133	459
Royal Gwent	20	2	127	257	5	382	793
Singleton	7	15	36	536	20	169	783
West Wales	1	-	21	143	1	166	332
Withybush	-	2	4	196	40	80	322
Wrexham	9	7	17	428	20	197	678
<b>WALES</b>	<b>103</b>	<b>71</b>	<b>896</b>	<b>4,837</b>	<b>128</b>	<b>2,522</b>	<b>8,557</b>

**Table 20b: Percentage of new referrals seen, by most significant procedure and colposcopy clinic**

Colposcopy Clinic	Ablation no biopsy	Ablation & biopsy	Excision	Diagnostic biopsy	Other	No treatment	Total
Brecon	-	-	43.5	32.6	-	23.9	100.0
Bronglais	0.9	3.4	21.6	53.4	0.9	19.8	100.0
Caerphilly	-	0.3	15.6	30.2	1.0	52.9	100.0
Cardiff and Vale	0.1	0.1	1.3	77.1	0.3	21.2	100.0
Glan Clwyd	1.4	0.4	11.7	59.0	0.9	26.6	100.0
Gwynedd	6.1	1.0	27.6	28.8	0.7	35.8	100.0
Llandrindod Wells	-	-	36.1	44.4	13.9	5.6	100.0
Neath	0.2	0.7	5.2	69.7	0.9	23.4	100.0
Nevill Hall	1.9	4.3	36.2	28.3	0.4	28.9	100.0
Prince Charles	-	0.3	2.3	83.5	0.4	13.5	100.0
Prince Philip	1.0	-	10.3	41.0	0.5	47.2	100.0
Princess of Wales	2.2	0.3	23.5	38.2	1.3	34.5	100.0
Royal Glamorgan	-	-	1.5	68.4	1.1	29.0	100.0
Royal Gwent	2.5	0.3	16.0	32.4	0.6	48.2	100.0
Singleton	0.9	1.9	4.6	68.5	2.6	21.6	100.0
West Wales	0.3	-	6.3	43.1	0.3	50.0	100.0
Withybush	-	0.6	1.2	60.9	12.4	24.8	100.0
Wrexham	1.3	1.0	2.5	63.1	2.9	29.1	100.0
<b>WALES</b>	<b>1.2</b>	<b>0.8</b>	<b>10.5</b>	<b>56.5</b>	<b>1.5</b>	<b>29.5</b>	<b>100.0</b>

**Figure 20: Percentage of new referrals seen, by most significant procedure and colposcopy clinic**



**Table 21a: Number of new patients seen, by colposcopic opinion and worst outcome of histology**

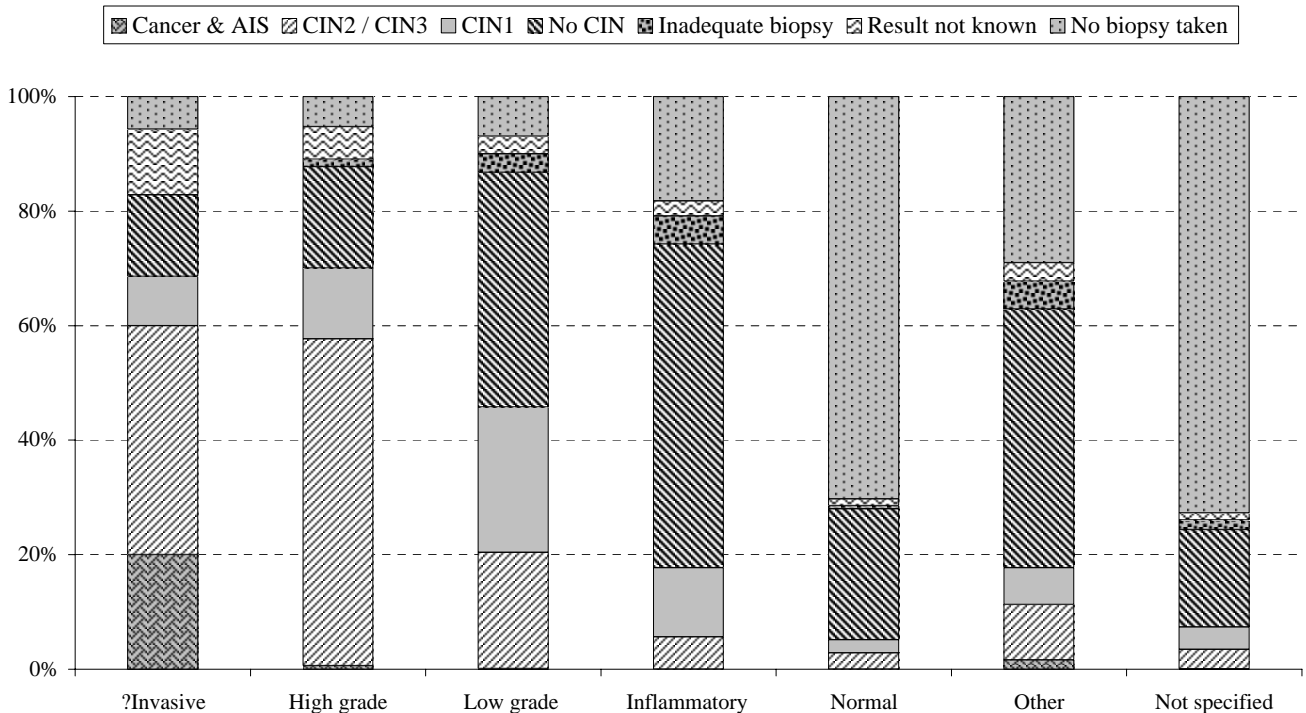
Source: KC65

Colposcopic Opinion	Cancer	Adeno-carcinoma in-situ	CIN 3	CIN 2	CIN 1	HPV only	No CIN/ no HPV	Inadequate biopsy	Result not known	Colposcopy NAD - no biopsy taken	Total
?Invasive	6	1	11	3	3	-	5	-	4	2	35
High grade	11	2	772	410	256	97	269	27	118	109	2,071
Low grade	3	1	152	331	606	315	662	78	73	165	2,386
Inflammatory	-	-	13	34	101	91	381	41	22	152	835
Normal	-	-	1	4	4	4	36	1	2	123	175
Other	1	-	3	3	4	5	23	3	2	18	62
Not specified	1	-	37	45	92	71	333	40	29	1,728	2,376
No assessment	-	-	1	2	2	1	1	-	-	288	295
<b>Total</b>	<b>22</b>	<b>4</b>	<b>990</b>	<b>832</b>	<b>1,068</b>	<b>584</b>	<b>1,710</b>	<b>190</b>	<b>250</b>	<b>2,585</b>	<b>8,235</b>

**Table 21b: Percentage of new patients seen, by colposcopic opinion and worst outcome of histology**

Colposcopic Opinion	Cancer	Adeno-carcinoma in-situ	CIN 3	CIN 2	CIN 1	HPV only	No CIN/ no HPV	Inadequate biopsy	Result not known	Colposcopy NAD - no biopsy taken	Total
?Invasive	17.1	2.9	31.4	8.6	8.6	-	14.3	-	11.4	5.7	100.0
High grade	0.5	0.1	37.3	19.8	12.4	4.7	13.0	1.3	5.7	5.3	100.0
Low grade	0.1	-	6.4	13.9	25.4	13.2	27.7	3.3	3.1	6.9	100.0
Inflammatory	-	-	1.6	4.1	12.1	10.9	45.6	4.9	2.6	18.2	100.0
Normal	-	-	0.6	2.3	2.3	2.3	20.6	0.6	1.1	70.3	100.0
Other	1.6	-	4.8	4.8	6.5	8.1	37.1	4.8	3.2	29.0	100.0
Not specified	0.0	-	1.6	1.9	3.9	3.0	14.0	1.7	1.2	72.7	100.0
No assessment	-	-	0.3	0.7	0.7	0.3	0.3	-	-	97.6	100.0
<b>Total</b>	<b>0.3</b>	<b>0.0</b>	<b>12.0</b>	<b>10.1</b>	<b>13.0</b>	<b>7.1</b>	<b>20.8</b>	<b>2.3</b>	<b>3.0</b>	<b>31.4</b>	<b>100.0</b>

**Figure 21: Percentage of new patients seen having colposcopic assessment, by colposcopic opinion and worst outcome of histology**



Note: Figures exclude information from Wwithyush colposcopy clinic

**Table 22a: Number of new patients having a biopsy taken, by colposcopy clinic and worst outcome of histology**

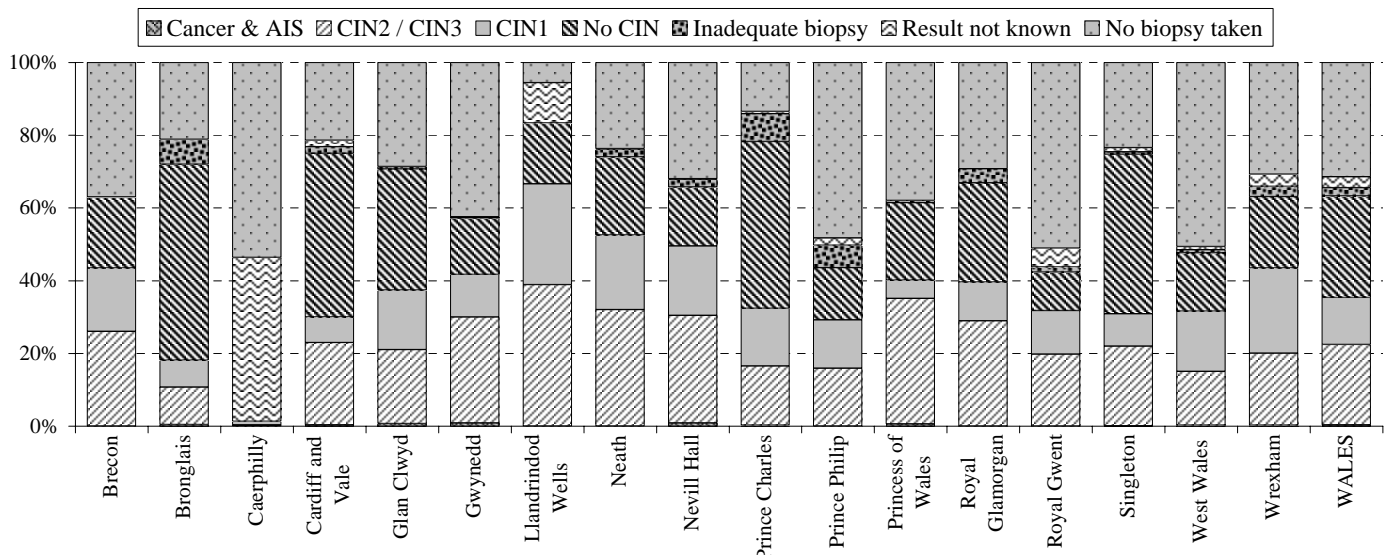
Source: KC65

Colposcopy Clinic	Cancer	Adeno-carcinoma					HPV only	No CIN/ no HPV	Inadequate biopsy	Result		No biopsy taken	Total
		in-situ	CIN 3	CIN 2	CIN 1	not known							
Brecon	-	-	6	6	8	-	9	-	-	-	17	46	
Bronglais	1	-	13	11	17	47	78	16	-	-	49	232	
Caerphilly	-	-	1	-	3	-	-	-	139	-	165	308	
Cardiff and Vale	2	2	163	103	82	183	345	22	21	-	251	1,174	
Glan Clwyd	3	1	63	50	91	26	159	4	-	-	159	556	
Gwynedd	5	-	107	64	69	5	86	2	-	-	249	587	
Llandrindod Wells	-	-	9	5	10	1	5	-	4	-	2	36	
Neath	-	-	128	57	119	4	120	12	1	-	137	578	
Nevill Hall	4	-	85	54	90	53	23	10	1	-	150	470	
Prince Charles	2	-	51	61	109	145	171	53	4	-	93	689	
Prince Philip	-	-	16	15	26	6	22	12	4	-	94	195	
Princess of Wales	2	-	71	39	16	18	50	2	-	-	121	319	
Royal Glamorgan	-	-	60	73	49	32	93	18	-	-	134	459	
Royal Gwent	-	-	71	86	95	18	66	11	41	-	405	793	
Singleton	1	-	78	93	70	36	307	6	9	-	183	783	
West Wales	1	-	12	37	55	1	52	3	3	-	168	332	
Withybush	-	-	-	-	-	-	-	-	-	-	-	unknown	
Wrexham	1	1	56	78	159	9	124	19	23	-	208	678	
<b>WALES</b>	<b>22</b>	<b>4</b>	<b>990</b>	<b>832</b>	<b>1,068</b>	<b>584</b>	<b>1,710</b>	<b>190</b>	<b>250</b>	<b>2,585</b>	<b>8,235</b>		

**Table 22b: Percentage of new patients having a biopsy taken, by colposcopy clinic and worst outcome of histology**

Colposcopy Clinic	Cancer	Adeno-carcinoma					HPV only	No CIN/ no HPV	Inadequate biopsy	Result		No biopsy taken	Total
		in-situ	CIN 3	CIN 2	CIN 1	not known							
Brecon	-	-	13.0	13.0	17.4	-	19.6	-	-	-	37.0	100.0	
Bronglais	0.4	-	5.6	4.7	7.3	20.3	33.6	6.9	-	-	21.1	100.0	
Caerphilly	-	-	0.3	-	1.0	-	-	-	45.1	-	53.6	100.0	
Cardiff and Vale	0.2	0.2	13.9	8.8	7.0	15.6	29.4	1.9	1.8	-	21.4	100.0	
Glan Clwyd	0.5	0.2	11.3	9.0	16.4	4.7	28.6	0.7	-	-	28.6	100.0	
Gwynedd	0.9	-	18.2	10.9	11.8	0.9	14.7	0.3	-	-	42.4	100.0	
Llandrindod Wells	-	-	25.0	13.9	27.8	2.8	13.9	-	11.1	-	5.6	100.0	
Neath	-	-	22.1	9.9	20.6	0.7	20.8	2.1	0.2	-	23.7	100.0	
Nevill Hall	0.9	-	18.1	11.5	19.1	11.3	4.9	2.1	0.2	-	31.9	100.0	
Prince Charles	0.3	-	7.4	8.9	15.8	21.0	24.8	7.7	0.6	-	13.5	100.0	
Prince Philip	-	-	8.2	7.7	13.3	3.1	11.3	6.2	2.1	-	48.2	100.0	
Princess of Wales	0.6	-	22.3	12.2	5.0	5.6	15.7	0.6	-	-	37.9	100.0	
Royal Glamorgan	-	-	13.1	15.9	10.7	7.0	20.3	3.9	-	-	29.2	100.0	
Royal Gwent	-	-	9.0	10.8	12.0	2.3	8.3	1.4	5.2	-	51.1	100.0	
Singleton	0.1	-	10.0	11.9	8.9	4.6	39.2	0.8	1.1	-	23.4	100.0	
West Wales	0.3	-	3.6	11.1	16.6	0.3	15.7	0.9	0.9	-	50.6	100.0	
Withybush	-	-	-	-	-	-	-	-	-	-	-	unknown	
Wrexham	0.1	0.1	8.3	11.5	23.5	1.3	18.3	2.8	3.4	-	30.7	100.0	
<b>WALES</b>	<b>0.3</b>	<b>0.0</b>	<b>12.0</b>	<b>10.1</b>	<b>13.0</b>	<b>7.1</b>	<b>20.8</b>	<b>2.3</b>	<b>3.0</b>	<b>31.4</b>	<b>100.0</b>		

**Figure 22: Percentage of new patients having a biopsy taken, by colposcopy clinic and worst outcome of histology**



**Table 23a: Number of cervical biopsies taken, by type and worst outcome of histology**

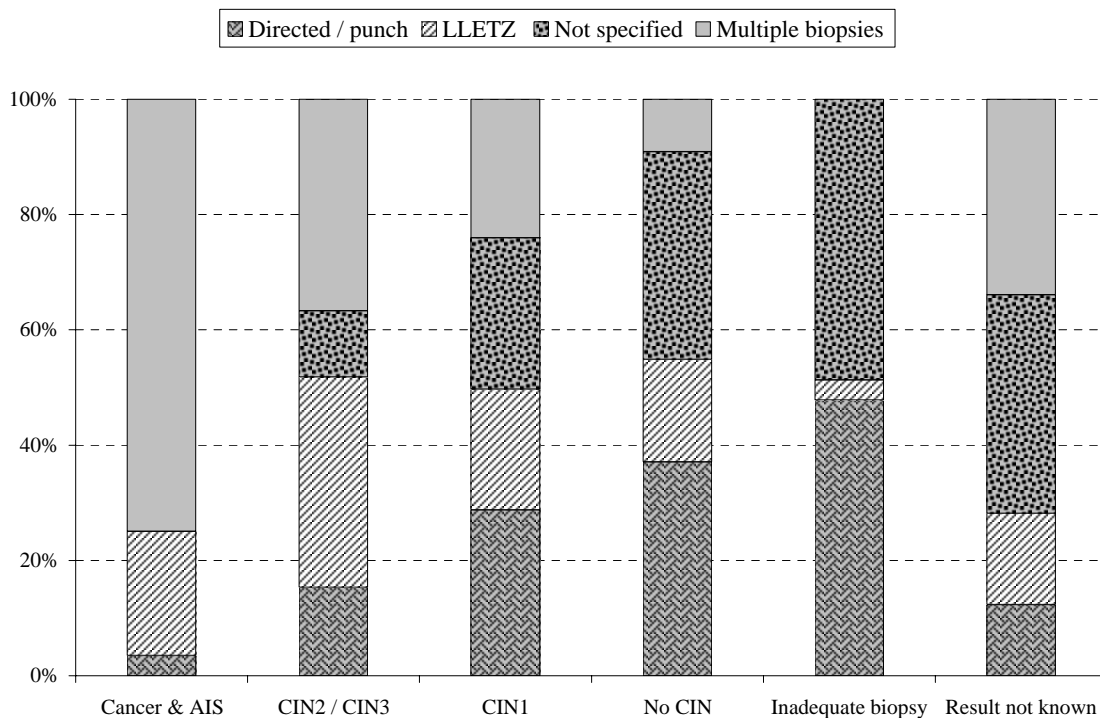
Source: KC65

Biopsy Type	Adeno-carcinoma						HPV only	No CIN/ no HPV	Inadequate biopsy	Result not known	Total
	Cancer	in-situ	CIN 3	CIN 2	CIN 1						
Not specified	-	-	9	8	17	4	42	4	13	97	
Directed / punch	12	3	727	783	1237	744	2404	261	281	6,452	
LLETZ	18	13	901	598	375	130	500	8	151	2,694	
Multiple biopsies	1	-	8	6	4	1	2	-	3	25	
<b>Total</b>	<b>31</b>	<b>16</b>	<b>1,645</b>	<b>1,395</b>	<b>1,633</b>	<b>879</b>	<b>2,948</b>	<b>273</b>	<b>448</b>	<b>9,268</b>	

**Table 23b: Percentage of cervical biopsies taken, by type and worst outcome of histology**

Biopsy Type	Adeno-carcinoma						HPV only	No CIN/ no HPV	Inadequate biopsy	Result not known	Total
	Cancer	in-situ	CIN 3	CIN 2	CIN 1						
Not specified	-	-	9.3	8.2	17.5	4.1	43.3	4.1	13.4	100.0	
Directed / punch	0.2	-	11.3	12.1	19.2	11.5	37.3	4.0	4.4	100.0	
LLETZ	0.7	0.5	33.4	22.2	13.9	4.8	18.6	0.3	5.6	100.0	
Multiple biopsies	4.0	-	32.0	24.0	16.0	4.0	8.0	-	12.0	100.0	
<b>Total</b>	<b>0.3</b>	<b>0.2</b>	<b>17.7</b>	<b>15.1</b>	<b>17.6</b>	<b>9.5</b>	<b>31.8</b>	<b>2.9</b>	<b>4.8</b>	<b>100.0</b>	

**Figure 23: Percentage of cervical biopsies taken, by type and worst outcome of histology**



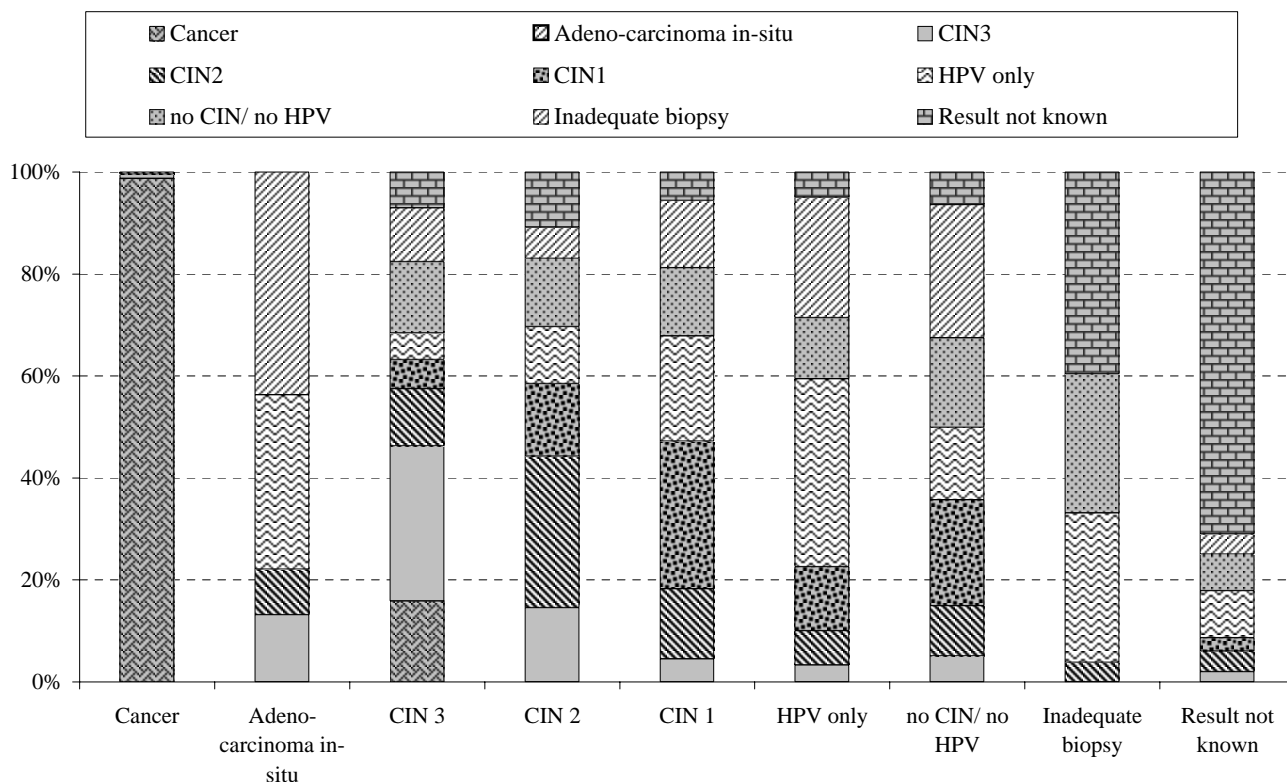
Note: Figures exclude information from Withybush colposcopy clinic

Outcome of initial punch biopsy	Adeno-carcinoma							Inadequate biopsy	Result not known	Total
	Cancer	in-situ	CIN 3	CIN 2	CIN 1	HPV only	No CIN / no HPV			
Cancer	2	-	1	-	-	-	-	-	-	3
AIS	-	-	-	-	-	-	-	-	-	-
CIN3	2	3	228	71	17	7	25	-	5	358
CIN2	1	2	83	142	51	14	48	1	10	352
CIN1	-	-	13	21	33	8	31	-	2	108
HPV only	-	1	5	7	10	10	9	1	3	46
no CIN/no HPV	-	-	29	18	14	7	24	2	5	99
Inadequate	-	1	8	3	5	5	13	-	1	36
Unknown	-	-	5	5	2	1	3	1	17	34
<b>Total</b>	<b>5</b>	<b>7</b>	<b>372</b>	<b>267</b>	<b>132</b>	<b>52</b>	<b>153</b>	<b>5</b>	<b>43</b>	<b>1,036</b>

**Table 24b: Correlation of outcome from an initial punch biopsy with a subsequent LLETZ (percentages) <sup>1</sup>**

Outcome of initial punch biopsy	Adeno-carcinoma							Inadequate biopsy	Result not known	Total
	Cancer	in-situ	CIN 3	CIN 2	CIN 1	HPV only	No CIN / no HPV			
Cancer	66.7	-	33.3	-	-	-	-	-	-	100.0
AIS	-	-	-	-	-	-	-	-	-	-
CIN3	0.6	0.8	63.7	19.8	4.7	2.0	7.0	-	1.4	100.0
CIN2	0.3	0.6	23.6	40.3	14.5	4.0	13.6	0.3	2.8	100.0
CIN1	-	-	12.0	19.4	30.6	7.4	28.7	-	1.9	100.0
HPV only	-	2.2	10.9	15.2	21.7	21.7	19.6	2.2	6.5	100.0
no CIN/no HPV	-	-	29.3	18.2	14.1	7.1	24.2	2.0	5.1	100.0
Inadequate	-	2.8	22.2	8.3	13.9	13.9	36.1	-	2.8	100.0
Unknown	-	-	14.7	14.7	5.9	2.9	8.8	2.9	50.0	100.0
<b>Total</b>	<b>0.5</b>	<b>0.7</b>	<b>35.9</b>	<b>25.8</b>	<b>12.7</b>	<b>5.0</b>	<b>14.8</b>	<b>0.5</b>	<b>4.2</b>	<b>100.0</b>

**Figure 24: Correlation of outcome from an initial punch biopsy with a subsequent LLETZ <sup>1</sup>**



Note: Figures exclude information from Withybush colposcopy clinic

<sup>1</sup> Where LLETZ biopsy is taken within three months of the initial punch biopsy being taken