



*Cervical Screening  
Programme*

*Wales 2000/01*

**KC53/61 Statistical Report – Adroddiad Ystadegol**  
Prepared by Cervical Screening Wales

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## CERVICAL SCREENING PROGRAMME: WALES 2000/01

This report is the first cervical screening programme report to be produced by *Cervical Screening Wales*. It follows a series of reports previously produced by the Health Statistics and Analysis Unit, part of the National Assembly for Wales. Similar to previous reports, this is a detailed summary of information gathered by the Health Authorities (KC53) and by the pathology laboratories (KC61).

### Key Facts

## At 31 March 2001, 81% of women in the target age group (20-64) had been screened at least once in the last 5 years. Coverage exceeded 78% in all Health Authorities.

## In 2000/01, 211,000 women were screened (including those with inadequate results), the majority following a formal invitation from *Cervical Screening Wales*.

## Laboratories in Wales examined around 219,000 smears in 2000/01.

### Introduction

The information in this report is collected on two returns to *Cervical Screening Wales*. Information on the call and recall system is collected on KC53 (a computer generated report common to England and Wales) from Health Authorities and information about cervical smears examined by pathology laboratories is collected on form KC61 (which includes symptomatic smears as well as smears examined as a result of uptake of invitations for screening). The source of the data contained in the tables is shown at the top of each page.

Throughout this report comparisons are made with figures for England (Cervical Screening Programme, England: 2000-2001, DH Statistical Bulletin 2002/01). The target for the screening programme is that women should be screened at least once every three years, with a target age group for invitations for screening of 20-64. This report includes the target age range together with the age range 25-64 for comparison with the English bulletins on cervical cytology.

### Changes in definition

Early in 1998 Welsh returns KC53 and KC61 were aligned with the English returns in order to have comparable data and because of common software used in the two countries. Specific definitional changes are noted in the text. Prior to 1997/98, the denominator used in the calculation of coverage – the percentage of women tested in the previous 5 years – is the number of women resident minus the total number with recall ceased for that age group. From 1997/98 a breakdown of the reasons for being classed as ‘recall ceased’ has been collected (these being split into age, clinical and other reasons). As a result only those women classed as ‘recall ceased’ for reasons other than age were excluded from the denominator.

In 1998/99 there was another change of definition to exclude only those women with ‘recall ceased for clinical reasons’ (eg no cervix). The figure for 1997/98 has been revised on the same basis and consequently may differ from figures produced in earlier reports.

Coverage is, therefore, comparable in Wales and England from 1997/98 onwards, but not for the previous years.

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

When an organised population based cervical screening policy was introduced in 1989/90, the reported coverage for the eligible population of women aged 20-64 was 62%. This was steadily improved upon and has exceeded 80% since 1992/93.

In 2000/01 81% of women aged 20-64 had been tested in the last 5 years. There is relatively little variation between Health Authorities, with coverage ranging from 78.9% in Morgannwg to 82.7% in Gwent. Note that the change in definition of coverage, explained above, has resulted in a small decrease in coverage.

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

Standard procedures for issuing first and subsequent reminders have changed since the last report and are now:

## 6 month interval between first and second invitation (reminder);

## 6 month interval between second invitation (reminder) and the final non-responder card

In 2000/01 more than 250,000 women aged 20-64 were invited for screening (Table 3). The invitation was a first call for 15% of these women and a routine recall for 63%. For 15% the recall was the result of a repeat smear being advised by the laboratory, and 7% were recalled because the previous smear was inadequate.

In 2000/01, around 205,000 women aged 20-64 were tested (Table 5). 3% of these were tested following a first invitation and 50% following a routine recall. 20% were reported to be as a result of opportunistic screening, that is, initiated by the smear taker or the woman without her necessarily having been invited, although some of these women may have been invited, but not screened within 12 months of the invitation date (in which case they are recorded as opportunistic smears), or may have been screened 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 two years to just over 50,000 in 1999/2000 and to just over 41,000 in 2000/01. The proportion of women being tested as a result of an opportunistic smear varies between Health Authorities.

Note that the uptake of invitations cannot be accurately measured from these figures, even if opportunistic smears are excluded, as the figures relate to the invitations issued within the financial year, whilst the figure for tests relates to those tests conducted during the year, regardless of the invitation being issued within the same year.

### **Test Results** (Tables and Figures 6, 8 and 9)

A small proportion of tests, defined as inadequate smears, do not have a result, as the smear may not contain suitable or sufficient material for the laboratory to issue a definitive report. An inadequate result does not mean that abnormal cells have been found, but that it is not possible to check if the cells in the smear are healthy.

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

In 2000/01, of the 202,000 women of all ages who had an adequate smear, 91.1% were negative, 6.9% showed borderline change or mild dyskaryosis, 1.1% showed moderate dyskaryosis and 0.9% were positive showing severe dyskaryosis or worse. These figures are very similar to the past few years.

Note that the figures 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.

The percentage of tests which are not normal shows a marked variation with age – the total abnormal being highest in the younger women. Though the proportion of positive results in women of 65 or over is higher than other ages, the absolute number (n=42) is very small and represents less than one percent of all positive smears.

At Health Authority level there is slight variation in results.

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

Nearly 219,000 smears were examined in laboratories in Wales in 2000/01. The average rate for inadequate smears was 7.9%, with a wide variation between laboratories (5.9% to 11.0%)

The revised KC61 return now gives the smear results by source (Table 10). The largest number of smears are taken in general practice (84%). The percentages of inadequate smears are generally higher from Genito-Urinary Medicine (GUM) clinics, NHS community clinics and other sources. Rates of positive smears tend to be higher in NHS Hospitals and private clinics (n=2).

Tables and Figures 11 to 13 show data on smears from GPs and NHS community clinics only. 91.7% of adequate smears tested in 2000/01 were negative, 7.7% were abnormal (borderline, mild or moderate dyskaryosis) and 0.6% were positive (severe dyskaryosis or worse).

Table 13b and Figure 13 show the distribution of inadequate smears by age. The proportion of smears which are inadequate rises with age until the early 30s, then reduces again.

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

The recommendation of the National Audit Office (Report by the Controller and Auditor General, Cervical and Breast Screening in England, HMSO, No 235, 1992) and the Expert Group on Cervical Screening for Wales (1995) that laboratories compare cytology findings with subsequent histology is now well established in practice.

Subsequent advice from *Cervical Screening Wales* published in the National Service Framework document (1999) has endorsed this view, and its validity has been further established in the Cervical Screening Information Project (CSIP), a major review, conducted by *Cervical Screening Wales*, of the information collected within the screening programme in Wales.

In 1998 the KC61 return was revised to include a new table looking at women recommended for gynaecological referral (in most cases, colposcopic examination) during the first quarter of the year. For 2000/01, the results are given in Table 14a for referrals following smears reported as inadequate, borderline or mild dyskaryosis and in Table 14c for referrals following smears reported as moderate, severe dyskaryosis or worse.

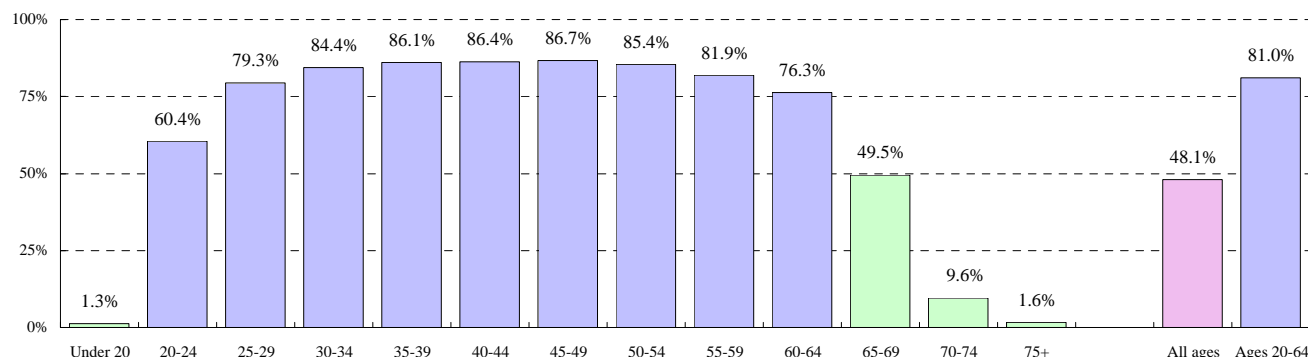
From these data the Positive Predictive Value (PPV) has been calculated (method shown in notes to Table 15). The PPV is used to correlate cytology with histology and records the proportion of cases in which a biopsy following a smear report of moderate dyskaryosis or worse yields a histological diagnosis of CIN2 or worse. Variations in the sources of smears may influence laboratories' PPV; if a large proportion of smears come from colposcopy clinics, this may be reflected in a higher PPV.

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

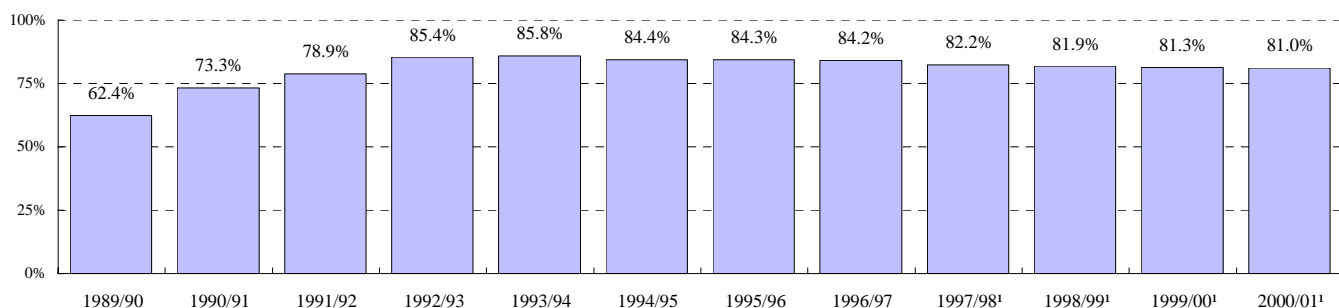
Source: KC53 Part A

| WALES                  | 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                 |                            |                            |
| All ages               | 1,526,944            | 103,292                | 58,625      | 109,014       | 454,334                 | 562,513           | 684,122                      | 39.5%                      | 48.1%                      |
| Ages 20-64             | 868,348              | 75,744                 | 7,998       | 7,678         | 557                     | 540,997           | 642,156                      | 68.3%                      | 81.0%                      |
| Ages 25-64             | 777,332              | 75,736                 | 7,998       | 7,641         | 329                     | 493,438           | 587,186                      | 70.3%                      | 83.7%                      |
| Under 20               | 363,051              | 0                      | 0           | 1             | 349,886                 | 4,419             | 4,766                        | 1.2%                       | 1.3%                       |
| 20-24                  | 91,016               | 8                      | 0           | 37            | 228                     | 47,559            | 54,970                       | 52.3%                      | 60.4%                      |
| 25-29                  | 91,509               | 97                     | 0           | 176           | 123                     | 60,152            | 72,528                       | 65.8%                      | 79.3%                      |
| 30-34                  | 107,063              | 757                    | 0           | 288           | 78                      | 75,130            | 89,735                       | 70.7%                      | 84.4%                      |
| 35-39                  | 110,922              | 2,850                  | 0           | 405           | 37                      | 77,867            | 93,007                       | 72.1%                      | 86.1%                      |
| 40-44                  | 101,119              | 6,513                  | 0           | 521           | 25                      | 68,691            | 81,695                       | 72.6%                      | 86.4%                      |
| 45-49                  | 94,742               | 11,544                 | 0           | 638           | 23                      | 60,773            | 72,126                       | 73.0%                      | 86.7%                      |
| 50-54                  | 105,160              | 18,751                 | 1           | 987           | 20                      | 62,304            | 73,780                       | 72.1%                      | 85.4%                      |
| 55-59                  | 88,947               | 18,685                 | 1           | 1,129         | 11                      | 49,164            | 57,547                       | 70.0%                      | 81.9%                      |
| 60-64                  | 77,870               | 16,539                 | 7,996       | 3,497         | 12                      | 39,357            | 46,768                       | 64.2%                      | 76.3%                      |
| 65-69                  | 72,498               | 13,537                 | 25,368      | 23,754        | 434                     | 13,900            | 29,207                       | 23.6%                      | 49.5%                      |
| 70-74                  | 68,641               | 9,910                  | 18,788      | 36,285        | 1,630                   | 2,165             | 5,612                        | 3.7%                       | 9.6%                       |
| 75+                    | 154,406              | 4,101                  | 6,471       | 41,296        | 101,827                 | 1,032             | 2,381                        | 0.7%                       | 1.6%                       |
| <b>ENGLAND (000s)</b>  |                      |                        |             |               |                         |                   |                              |                            |                            |
| All ages               | 26,277.6             | 1,541.7                | 1,465.4     | 1,251.1       | 7,799.6                 | 9,517.1           | 12,123.3                     | 38.5%                      | 49.0%                      |
| Ages 20-64             | 15,436.6             | 1,135.3                | 217.1       | 142.4         | 110.8                   | 9,139.7           | 11,416.5                     | 63.9%                      | 79.8%                      |
| Ages 25-64             | 13,802.3             | 1,135.1                | 217.1       | 141.3         | 40.8                    | 8,369.2           | 10,514.6                     | 66.1%                      | 83.0%                      |
| RHA range - ages 25-64 |                      |                        |             |               |                         |                   |                              | 68.3%-89.5                 |                            |

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



**Figure 1b : Screening coverage of target age group, 1989/90 - 2000/01 <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.

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

| Health Authority      | Number of women      |                        |              |               |                         | Percentage tested within the |                |                            |                            |
|-----------------------|----------------------|------------------------|--------------|---------------|-------------------------|------------------------------|----------------|----------------------------|----------------------------|
|                       | resident at 31 March | with recall ceased for |              |               | with no cytology record | tested within the            |                | tested within the          |                            |
|                       |                      | clinical reasons       | age reasons  | other reasons |                         | last 3 years                 | last 5 years   | last 3 years <sup>12</sup> | last 5 years <sup>12</sup> |
| Bro Taf               | 222,232              | 16,330                 | 1,677        | 2,066         | 228                     | 139,370                      | 164,167        | 67.7%                      | 79.7%                      |
| Dyfed Powys           | 139,382              | 14,990                 | 1,549        | 700           | 130                     | 88,495                       | 102,578        | 71.1%                      | 82.5%                      |
| Gwent                 | 163,408              | 14,491                 | 1,411        | 1,524         | 14                      | 106,445                      | 123,208        | 71.5%                      | 82.7%                      |
| Morgannwg             | 148,626              | 13,013                 | 1,515        | 1,702         | 178                     | 81,582                       | 106,997        | 60.2%                      | 78.9%                      |
| North Wales           | 194,700              | 16,920                 | 1,846        | 1,686         | 7                       | 125,105                      | 145,206        | 70.4%                      | 81.7%                      |
| <b>WALES</b>          | <b>868,348</b>       | <b>75,744</b>          | <b>7,998</b> | <b>7,678</b>  | <b>557</b>              | <b>540,997</b>               | <b>642,156</b> | <b>68.3%</b>               | <b>81.0%</b>               |
| <b>ENGLAND (000s)</b> |                      |                        |              |               |                         |                              |                |                            |                            |
| Ages 20-64            | 15,436.6             | 1,135.3                | 217.1        | 142.4         | 110.8                   | 9,139.7                      | 11,416.5       | 63.9%                      | 79.8%                      |

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

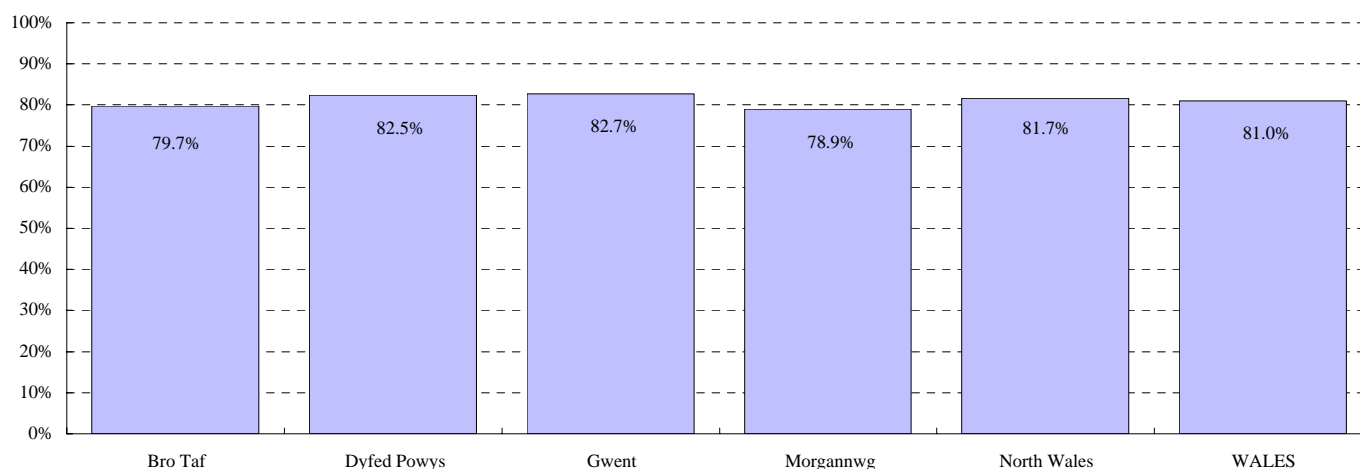
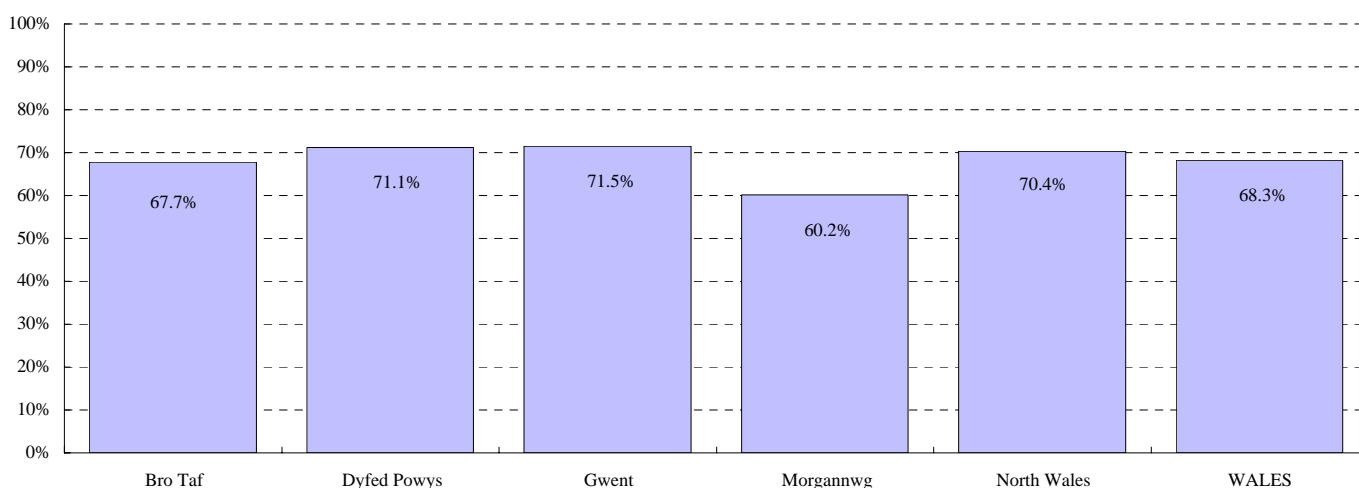


Figure 2b : Percentage of target age group screened within the last 3 years, by Health Authority <sup>13</sup>



**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).

<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**

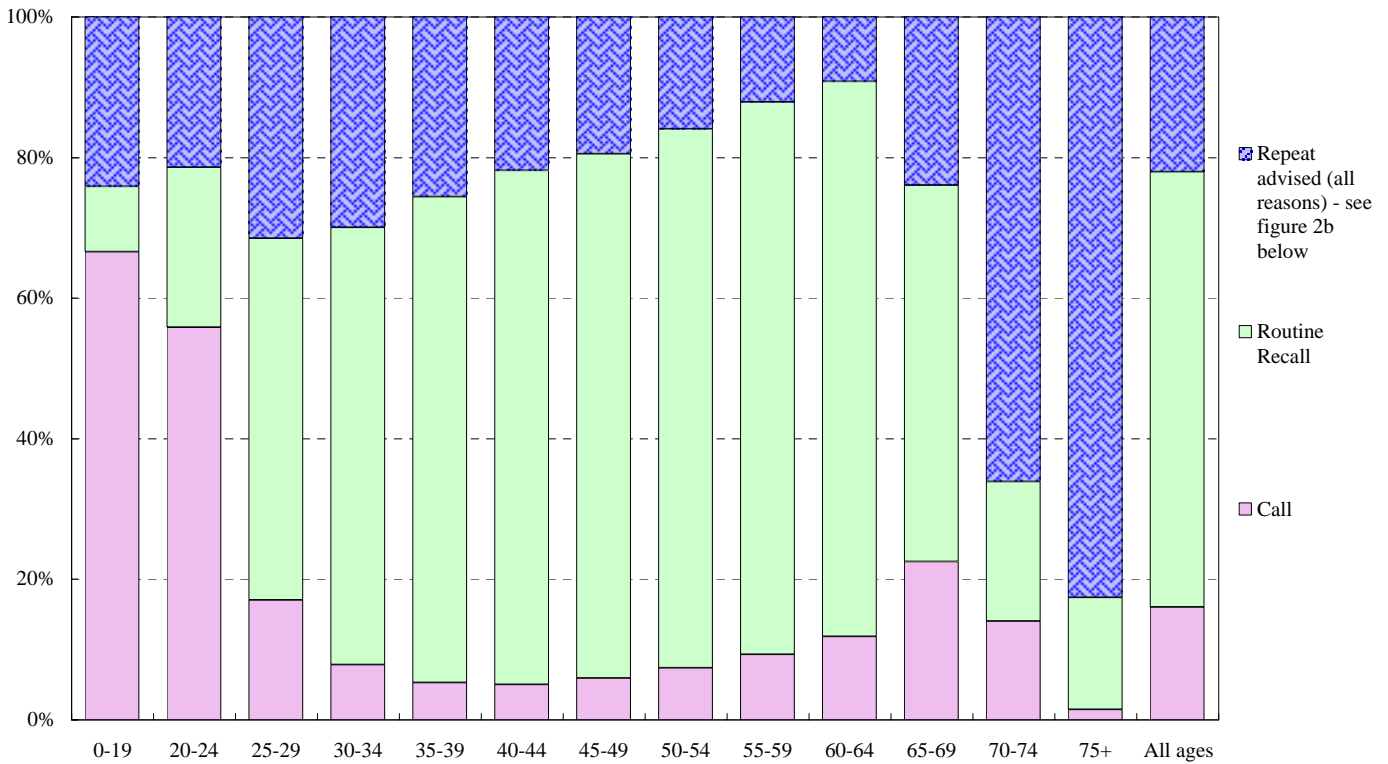
Source: KC53, part B

| WALES          | Total     | Call    | Routine<br>recall | Repeat advised for reasons of |             |                  |
|----------------|-----------|---------|-------------------|-------------------------------|-------------|------------------|
|                |           |         |                   | surveillance                  | abnormality | inadequate smear |
| All ages       | 263,253   | 42,098  | 163,142           | 27,205                        | 13,041      | 17,767           |
| Ages 20-64     | 257,812   | 39,585  | 161,645           | 26,676                        | 12,525      | 17,381           |
| Ages 25-64     | 220,521   | 18,775  | 153,135           | 23,901                        | 9,670       | 15,040           |
| Under 20       | 2,991     | 1,992   | 276               | 149                           | 376         | 198              |
| 20-24          | 37,291    | 20,810  | 8,510             | 2,775                         | 2,855       | 2,341            |
| 25-29          | 30,371    | 5,161   | 15,630            | 4,767                         | 2,225       | 2,588            |
| 30-34          | 34,318    | 2,699   | 21,344            | 5,489                         | 1,969       | 2,817            |
| 35-39          | 34,248    | 1,801   | 23,677            | 4,478                         | 1,586       | 2,706            |
| 40-44          | 29,374    | 1,460   | 21,501            | 3,135                         | 1,256       | 2,022            |
| 45-49          | 25,896    | 1,523   | 19,321            | 2,331                         | 1,071       | 1,650            |
| 50-54          | 26,575    | 1,970   | 20,370            | 1,995                         | 820         | 1,420            |
| 55-59          | 21,643    | 2,012   | 17,015            | 1,095                         | 466         | 1,055            |
| 60-64          | 18,096    | 2,149   | 14,277            | 611                           | 277         | 782              |
| 65-69          | 2,189     | 493     | 1,172             | 271                           | 104         | 149              |
| 70-74          | 192       | 27      | 38                | 79                            | 23          | 25               |
| 75+            | 69        | 1       | 11                | 30                            | 13          | 14               |
| <b>ENGLAND</b> |           |         |                   |                               |             |                  |
| All ages       | 4,095,057 | 716,693 | 2,404,726         | 484,411                       | 183,583     | 305,644          |
| Ages 20-64     | 3,971,300 | 683,698 | 2,337,640         | 473,057                       | 178,464     | 298,441          |
| Ages 25-64     | 3,397,114 | 333,943 | 2,226,143         | 433,678                       | 144,860     | 258,490          |

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

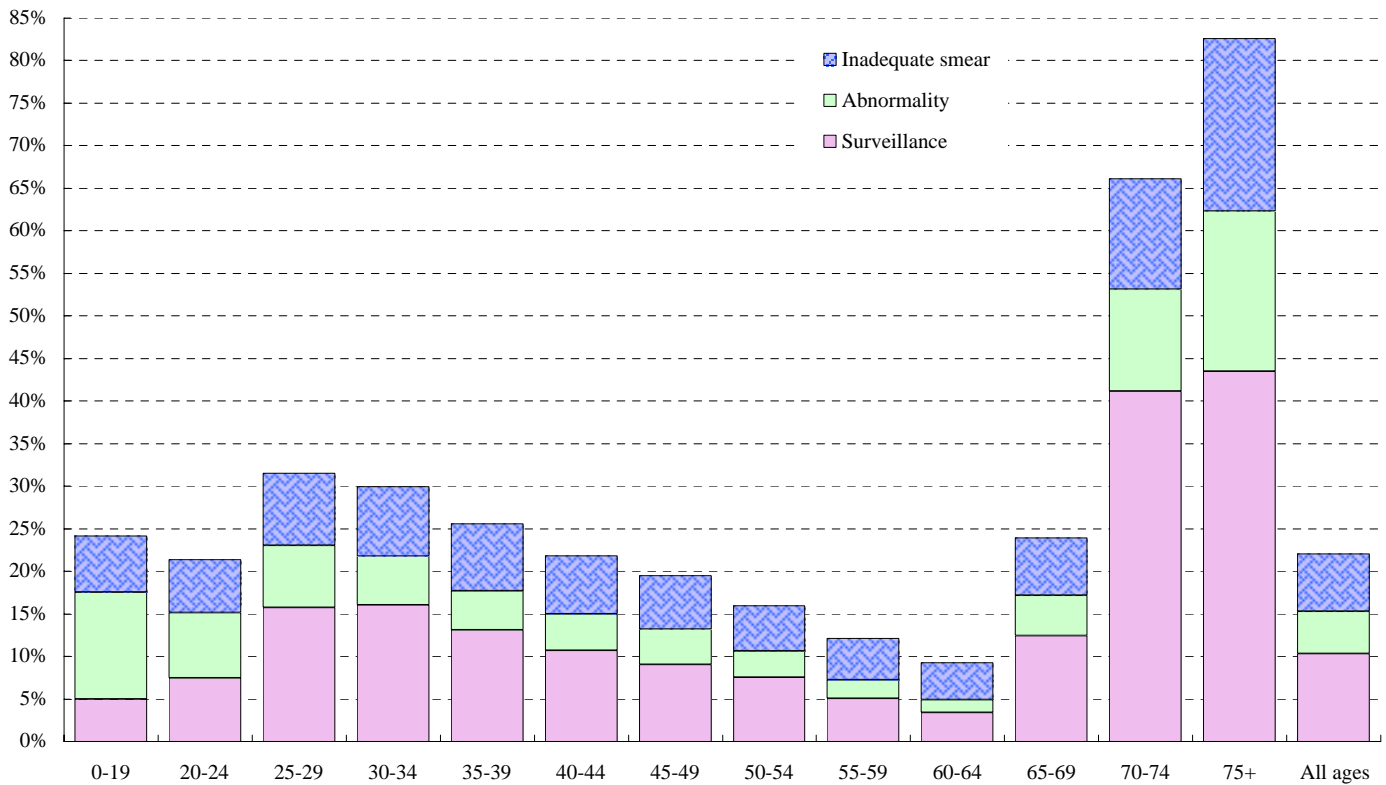
| WALES          | Total | Call  | Routine<br>recall | Repeat advised for reasons of |             |                  |
|----------------|-------|-------|-------------------|-------------------------------|-------------|------------------|
|                |       |       |                   | surveillance                  | abnormality | inadequate smear |
| All ages       | 100%  | 16.0% | 62.0%             | 10.3%                         | 5.0%        | 6.7%             |
| Ages 20-64     | 100%  | 15.4% | 62.7%             | 10.3%                         | 4.9%        | 6.7%             |
| Ages 25-64     | 100%  | 8.5%  | 69.4%             | 10.8%                         | 4.4%        | 6.8%             |
| Under 20       | 100%  | 66.6% | 9.2%              | 5.0%                          | 12.6%       | 6.6%             |
| 20-24          | 100%  | 55.8% | 22.8%             | 7.4%                          | 7.7%        | 6.3%             |
| 25-29          | 100%  | 17.0% | 51.5%             | 15.7%                         | 7.3%        | 8.5%             |
| 30-34          | 100%  | 7.9%  | 62.2%             | 16.0%                         | 5.7%        | 8.2%             |
| 35-39          | 100%  | 5.3%  | 69.1%             | 13.1%                         | 4.6%        | 7.9%             |
| 40-44          | 100%  | 5.0%  | 73.2%             | 10.7%                         | 4.3%        | 6.9%             |
| 45-49          | 100%  | 5.9%  | 74.6%             | 9.0%                          | 4.1%        | 6.4%             |
| 50-54          | 100%  | 7.4%  | 76.7%             | 7.5%                          | 3.1%        | 5.3%             |
| 55-59          | 100%  | 9.3%  | 78.6%             | 5.1%                          | 2.2%        | 4.9%             |
| 60-64          | 100%  | 11.9% | 78.9%             | 3.4%                          | 1.5%        | 4.3%             |
| 65-69          | 100%  | 22.5% | 53.5%             | 12.4%                         | 4.8%        | 6.8%             |
| 70-74          | 100%  | 14.1% | 19.8%             | 41.1%                         | 12.0%       | 13.0%            |
| 75+            | 100%  | 1.4%  | 15.9%             | 43.5%                         | 18.8%       | 20.3%            |
| <b>ENGLAND</b> |       |       |                   |                               |             |                  |
| All ages       | 100%  | 17.5% | 58.7%             | 11.8%                         | 4.5%        | 7.5%             |
| Ages 20-64     | 100%  | 17.2% | 58.9%             | 11.9%                         | 4.5%        | 7.5%             |
| Ages 25-64     | 100%  | 9.8%  | 65.5%             | 12.8%                         | 4.3%        | 7.6%             |

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



The total number of invitations (all ages) where the type of invitation was 'repeat advised within 3 years' is just under 60,000 (or 22.0% 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 Health Authority**

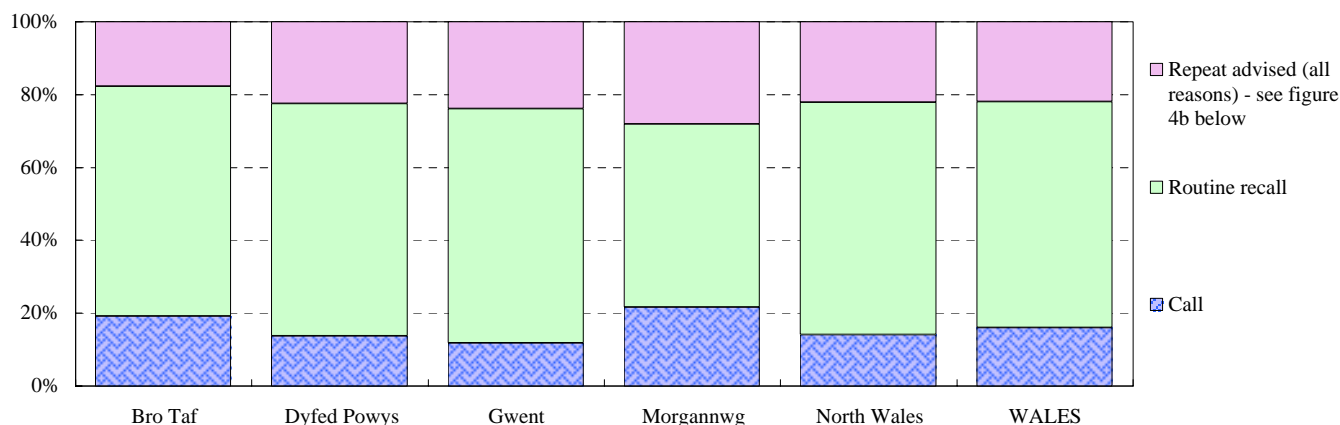
Source: KC53, part B

|                | Total     | Call    | Routine recall | Repeat advised for reasons of |             |                  |
|----------------|-----------|---------|----------------|-------------------------------|-------------|------------------|
|                |           |         |                | surveillance                  | abnormality | inadequate smear |
| Bro Taf        | 76,619    | 14,620  | 48,360         | 5,414                         | 3,487       | 4,738            |
| Dyfed Powys    | 42,823    | 5,859   | 27,311         | 4,881                         | 2,208       | 2,564            |
| Gwent          | 50,750    | 5,979   | 32,663         | 6,625                         | 2,087       | 3,396            |
| Morgannwg      | 33,775    | 7,323   | 16,941         | 3,892                         | 2,654       | 2,965            |
| North Wales    | 59,286    | 8,317   | 37,867         | 6,393                         | 2,605       | 4,104            |
| <b>WALES</b>   | 263,253   | 42,098  | 163,142        | 27,205                        | 13,041      | 17,767           |
| <b>ENGLAND</b> | 3,971,300 | 683,698 | 2,337,640      | 473,057                       | 178,464     | 298,441          |

**Table 4b: Percentage of women aged 20-64 invited in the year by type of invitation and Health Authority**

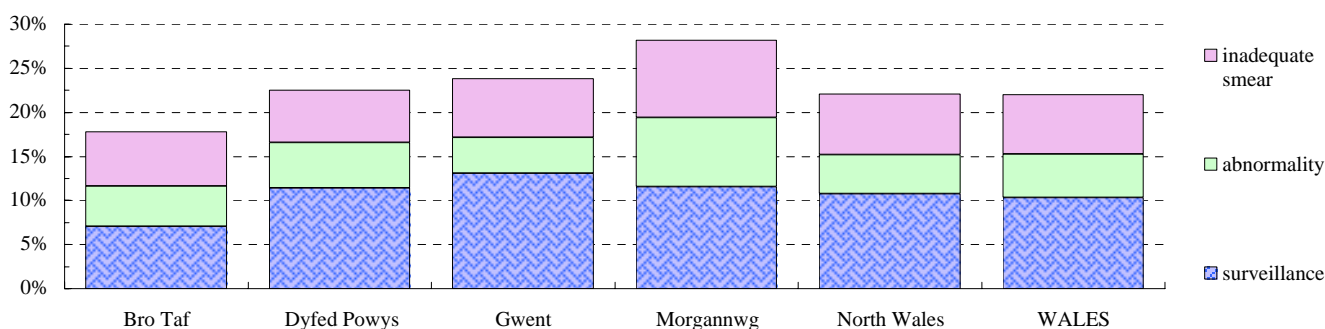
|                | Total | Call  | Routine recall | Repeat advised for reasons of |             |                  |
|----------------|-------|-------|----------------|-------------------------------|-------------|------------------|
|                |       |       |                | surveillance                  | abnormality | inadequate smear |
| Bro Taf        | 100%  | 19.1% | 63.1%          | 7.1%                          | 4.6%        | 6.2%             |
| Dyfed Powys    | 100%  | 13.7% | 63.8%          | 11.4%                         | 5.2%        | 6.0%             |
| Gwent          | 100%  | 11.8% | 64.4%          | 13.1%                         | 4.1%        | 6.7%             |
| Morgannwg      | 100%  | 21.7% | 50.2%          | 11.5%                         | 7.9%        | 8.8%             |
| North Wales    | 100%  | 14.0% | 63.9%          | 10.8%                         | 4.4%        | 6.9%             |
| <b>WALES</b>   | 100%  | 16.0% | 62.0%          | 10.3%                         | 5.0%        | 6.7%             |
| <b>ENGLAND</b> | 100%  | 17.2% | 58.9%          | 11.9%                         | 4.5%        | 7.5%             |

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



The total number of invitations (all ages) where the type of invitation was 'repeat advised within 3 years' is almost 59,000 (or 23% 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**



**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       | 210,633   | 7,445   | 104,256        | 16,534                        | 9,474       | 13,625     | 14,610                 | 44,689                  |
| Ages 20-64     | 205,139   | 7,400   | 103,297        | 16,221                        | 9,185       | 13,362     | 14,224                 | 41,450                  |
| Ages 25-64     | 182,765   | 1,874   | 98,942         | 14,951                        | 7,354       | 11,900     | 11,927                 | 35,817                  |
| 0-19           | 2,137     | 26      | 83             | 49                            | 190         | 124        | 174                    | 1,491                   |
| 20-24          | 22,374    | 5,526   | 4,355          | 1,270                         | 1,831       | 1,462      | 2,297                  | 5,633                   |
| 25-29          | 24,266    | 749     | 8,550          | 2,588                         | 1,547       | 1,907      | 2,936                  | 5,989                   |
| 30-34          | 29,274    | 375     | 12,614         | 3,261                         | 1,456       | 2,181      | 2,773                  | 6,614                   |
| 35-39          | 29,165    | 240     | 14,795         | 2,885                         | 1,256       | 2,177      | 2,029                  | 5,783                   |
| 40-44          | 25,115    | 125     | 14,051         | 2,027                         | 968         | 1,640      | 1,396                  | 4,908                   |
| 45-49          | 22,210    | 118     | 13,021         | 1,600                         | 823         | 1,327      | 1,090                  | 4,231                   |
| 50-54          | 22,309    | 112     | 14,194         | 1,367                         | 715         | 1,167      | 913                    | 3,841                   |
| 55-59          | 17,299    | 95      | 12,033         | 789                           | 394         | 895        | 495                    | 2,598                   |
| 60-64          | 13,127    | 60      | 9,684          | 434                           | 195         | 606        | 295                    | 1,853                   |
| 65-69          | 2,647     | 15      | 868            | 190                           | 81          | 109        | 154                    | 1,230                   |
| 70-74          | 469       | 4       | 7              | 59                            | 12          | 24         | 42                     | 321                     |
| 75+            | 241       | 0       | 1              | 15                            | 6           | 6          | 16                     | 197                     |
| <b>ENGLAND</b> |           |         |                |                               |             |            |                        |                         |
| All ages       | 3,633,479 | 145,231 | 1,470,279      | 334,581                       | 140,632     | 225,807    | 149,692                | 1,167,257               |
| Ages 20-64     | 3,522,403 | 144,443 | 1,446,868      | 326,898                       | 137,219     | 221,268    | 145,592                | 1,100,115               |
| Ages 25-64     | 3,159,054 | 55,630  | 1,390,000      | 303,591                       | 113,762     | 196,182    | 125,623                | 974,266                 |

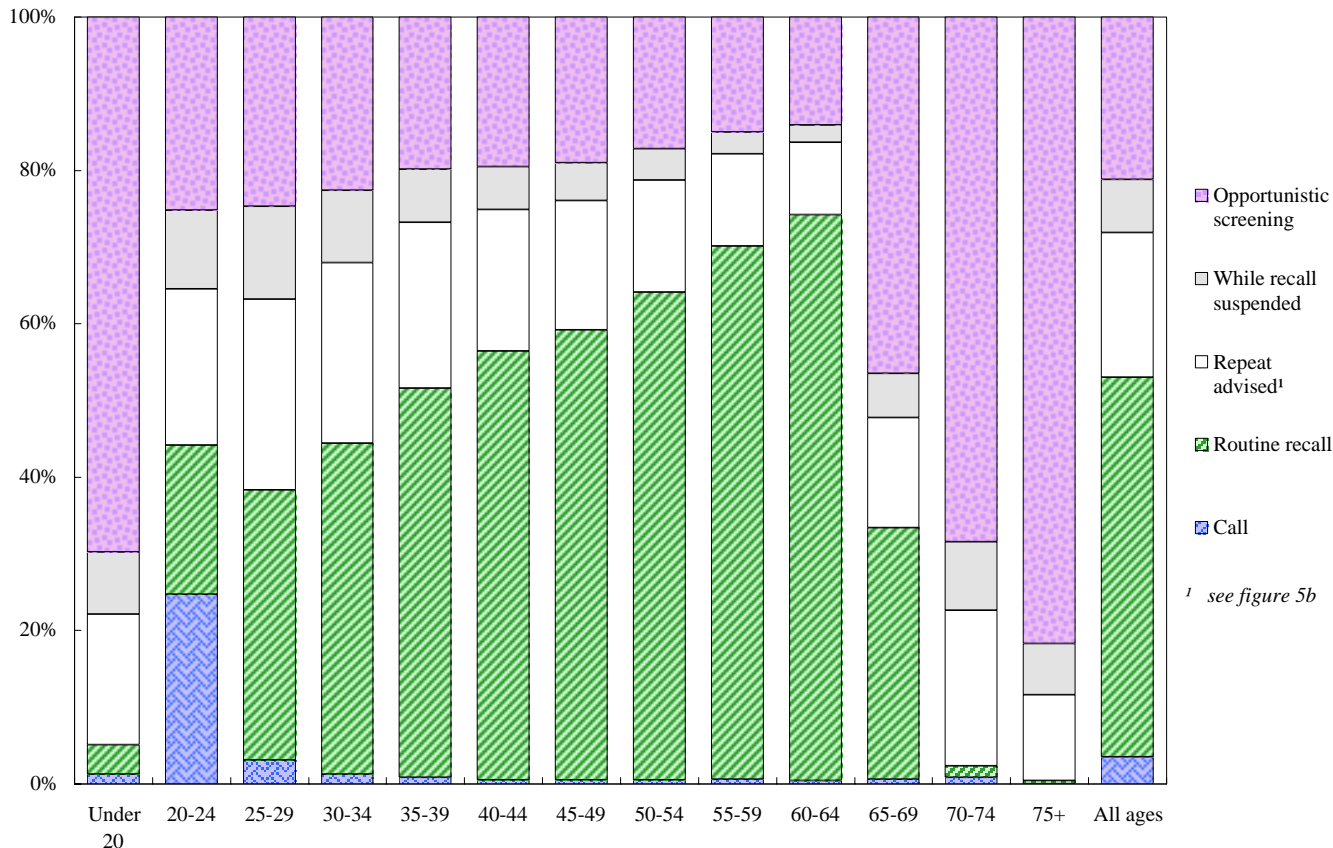
**Table 5b: Percentage of women tested<sup>1</sup> by type of invitation, and age at test**

| WALES          | Total | Call  | Routine recall | Repeat advised for reasons of |             |            | While recall suspended | Opportunistic screening |
|----------------|-------|-------|----------------|-------------------------------|-------------|------------|------------------------|-------------------------|
|                |       |       |                | surveillance                  | abnormality | inadequate |                        |                         |
| All ages       | 100%  | 3.5%  | 49.5%          | 7.8%                          | 4.5%        | 6.5%       | 6.9%                   | 21.2%                   |
| Ages 20-64     | 100%  | 3.6%  | 50.4%          | 7.9%                          | 4.5%        | 6.5%       | 6.9%                   | 20.2%                   |
| Ages 25-64     | 100%  | 1.0%  | 54.1%          | 8.2%                          | 4.0%        | 6.5%       | 6.5%                   | 19.6%                   |
| 0-19           | 100%  | 1.2%  | 3.9%           | 2.3%                          | 8.9%        | 5.8%       | 8.1%                   | 69.8%                   |
| 20-24          | 100%  | 24.7% | 19.5%          | 5.7%                          | 8.2%        | 6.5%       | 10.3%                  | 25.2%                   |
| 25-29          | 100%  | 3.1%  | 35.2%          | 10.7%                         | 6.4%        | 7.9%       | 12.1%                  | 24.7%                   |
| 30-34          | 100%  | 1.3%  | 43.1%          | 11.1%                         | 5.0%        | 7.5%       | 9.5%                   | 22.6%                   |
| 35-39          | 100%  | 0.8%  | 50.7%          | 9.9%                          | 4.3%        | 7.5%       | 7.0%                   | 19.8%                   |
| 40-44          | 100%  | 0.5%  | 55.9%          | 8.1%                          | 3.9%        | 6.5%       | 5.6%                   | 19.5%                   |
| 45-49          | 100%  | 0.5%  | 58.6%          | 7.2%                          | 3.7%        | 6.0%       | 4.9%                   | 19.0%                   |
| 50-54          | 100%  | 0.5%  | 63.6%          | 6.1%                          | 3.2%        | 5.2%       | 4.1%                   | 17.2%                   |
| 55-59          | 100%  | 0.5%  | 69.6%          | 4.6%                          | 2.3%        | 5.2%       | 2.9%                   | 15.0%                   |
| 60-64          | 100%  | 0.5%  | 73.8%          | 3.3%                          | 1.5%        | 4.6%       | 2.2%                   | 14.1%                   |
| 65-69          | 100%  | 0.6%  | 32.8%          | 7.2%                          | 3.1%        | 4.1%       | 5.8%                   | 46.5%                   |
| 70-74          | 100%  | 0.9%  | 1.5%           | 12.6%                         | 2.6%        | 5.1%       | 9.0%                   | 68.4%                   |
| 75+            | 100%  | 0.0%  | 0.4%           | 6.2%                          | 2.5%        | 2.5%       | 6.6%                   | 81.7%                   |
| <b>ENGLAND</b> |       |       |                |                               |             |            |                        |                         |
| All ages       | 100%  | 4.0%  | 40.5%          | 9.2%                          | 3.9%        | 6.2%       | 4.1%                   | 32.1%                   |
| Ages 20-64     | 100%  | 4.1%  | 41.1%          | 9.3%                          | 3.9%        | 6.3%       | 4.1%                   | 31.2%                   |
| Ages 25-64     | 100%  | 1.8%  | 44.0%          | 9.6%                          | 3.6%        | 6.2%       | 4.0%                   | 30.8%                   |

**NOTES:**

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

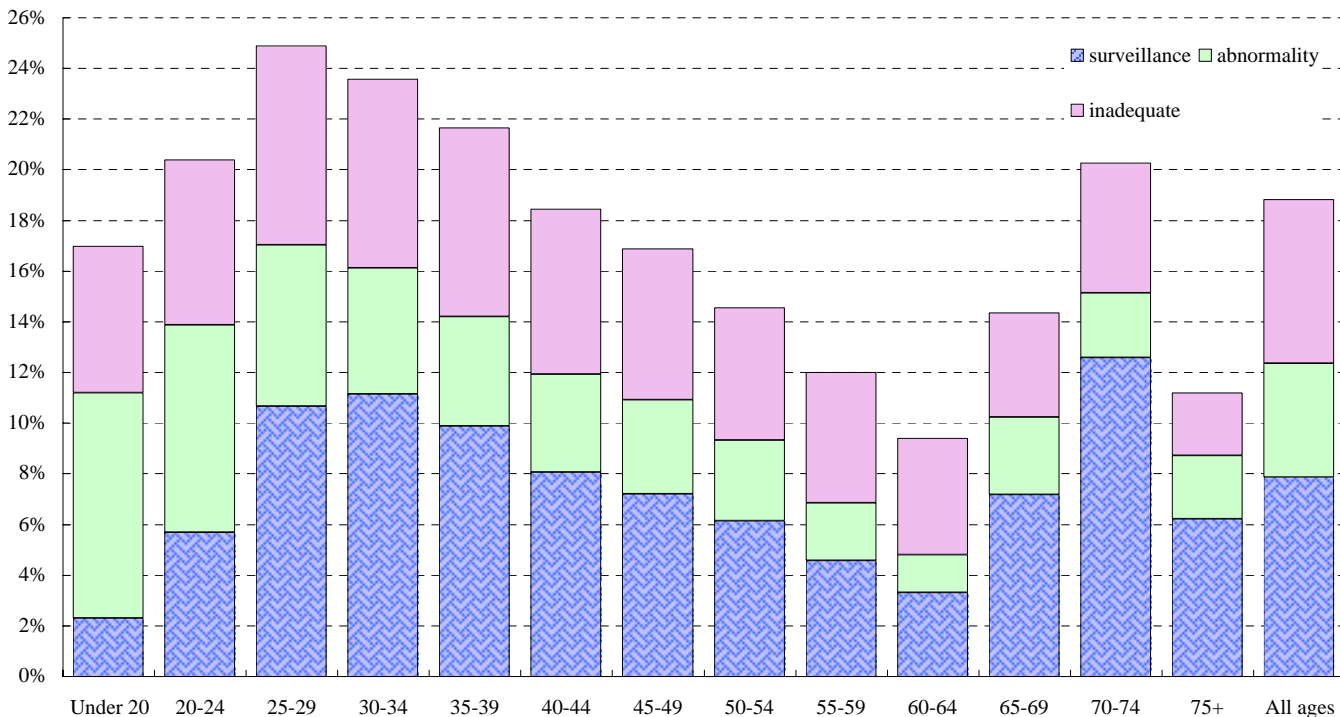
Figure 5a: Percentage of women tested by type of invitation, by age



<sup>1</sup> 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 39,000 (or 19% 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 age



NOTES:

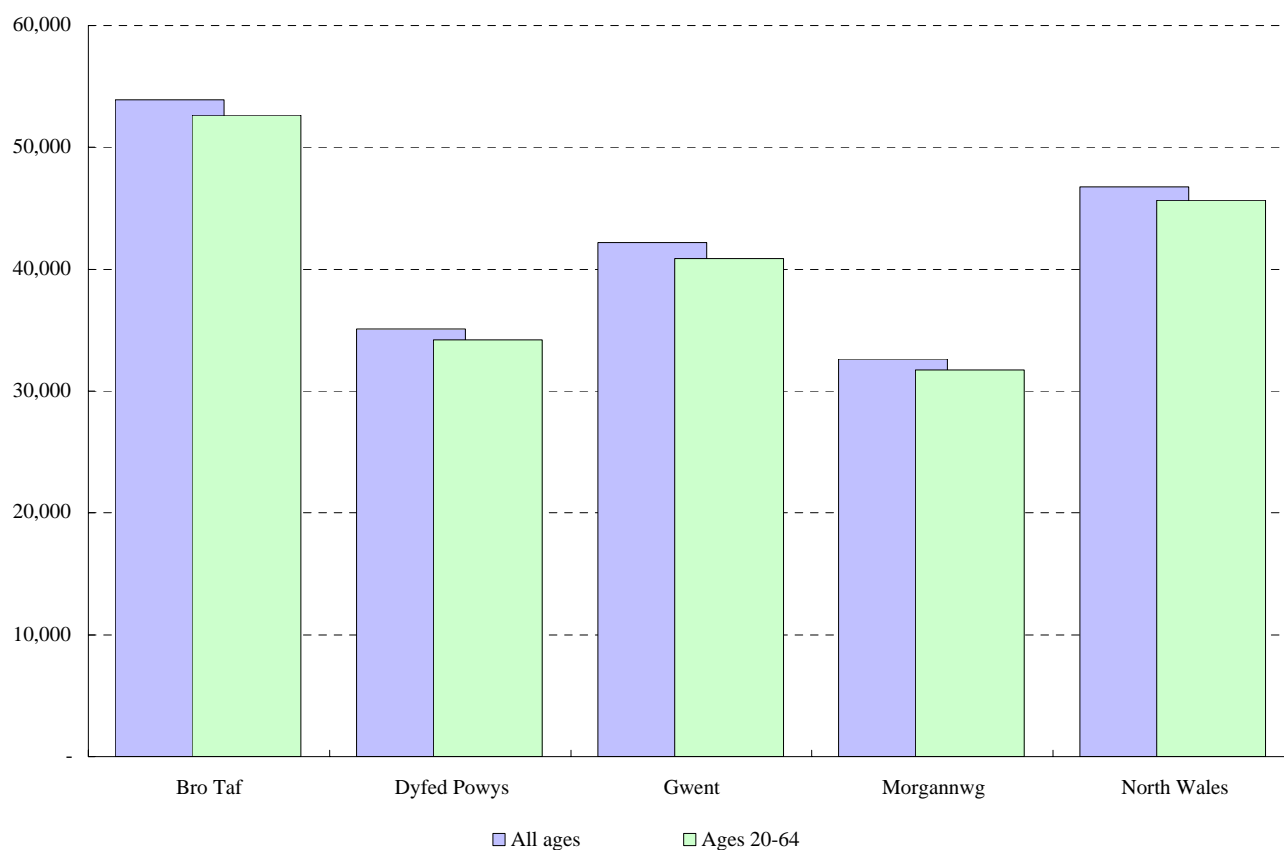
<sup>1</sup> Most recent test in year

**Table 6: Number of women tested<sup>1</sup> in the year, by Health Authority**

Source: KC53, part C

| Age groups | Bro Taf | Dyfed Powys | Gwent  | Morgannwg | North Wales | WALES   |
|------------|---------|-------------|--------|-----------|-------------|---------|
| All ages   | 53,918  | 35,103      | 42,203 | 32,649    | 46,760      | 210,633 |
| Ages 20-64 | 52,667  | 34,220      | 40,859 | 31,732    | 45,661      | 205,139 |
| Ages 25-64 | 45,924  | 30,999      | 36,790 | 27,861    | 41,191      | 182,765 |
| Under 20   | 646     | 226         | 592    | 343       | 330         | 2,137   |
| 20-24      | 6,743   | 3,221       | 4,069  | 3,871     | 4,470       | 22,374  |
| 25-29      | 6,864   | 3,461       | 4,860  | 3,993     | 5,088       | 24,266  |
| 30-34      | 7,711   | 4,447       | 6,032  | 4,511     | 6,573       | 29,274  |
| 35-39      | 7,553   | 4,667       | 6,052  | 4,444     | 6,449       | 29,165  |
| 40-44      | 6,351   | 4,429       | 4,956  | 3,818     | 5,561       | 25,115  |
| 45-49      | 5,518   | 4,036       | 4,395  | 3,354     | 4,907       | 22,210  |
| 50-54      | 5,152   | 4,100       | 4,434  | 3,317     | 5,306       | 22,309  |
| 55-59      | 3,904   | 3,328       | 3,484  | 2,465     | 4,118       | 17,299  |
| 60-64      | 2,871   | 2,531       | 2,577  | 1,959     | 3,189       | 13,127  |
| 65-69      | 501     | 520         | 557    | 441       | 628         | 2,647   |
| 70-74      | 81      | 73          | 131    | 78        | 106         | 469     |
| 75+        | 23      | 64          | 64     | 55        | 35          | 241     |

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



**NOTES:**

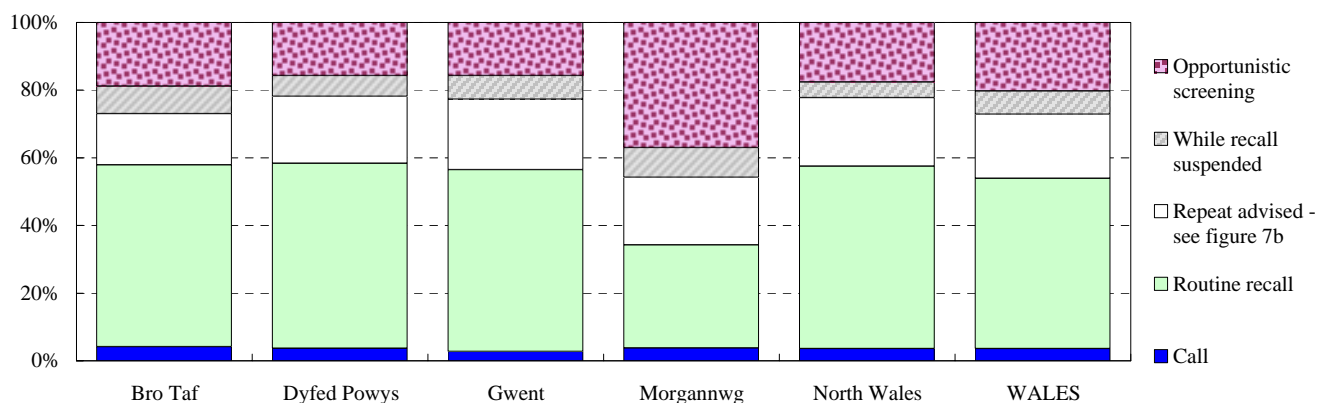
<sup>1</sup> Most recent test in year

| Health Authority | Total            | Call           | Routine recall   | Repeat in three years for reasons of |                |                | Recall suspended | Opportunistic screening |
|------------------|------------------|----------------|------------------|--------------------------------------|----------------|----------------|------------------|-------------------------|
|                  |                  |                |                  | surveillance                         | abnormality    | inadequate     |                  |                         |
| Bro Taf          | 52,667           | 2,181          | 28,327           | 2,693                                | 2,109          | 3,152          | 4,299            | 9,906                   |
| Dyfed Powys      | 34,220           | 1,271          | 18,692           | 3,009                                | 1,684          | 2,100          | 2,079            | 5,385                   |
| Gwent            | 40,859           | 1,109          | 21,979           | 4,099                                | 1,615          | 2,763          | 2,891            | 6,403                   |
| Morgannwg        | 31,732           | 1,212          | 9,645            | 2,036                                | 1,805          | 2,495          | 2,813            | 11,726                  |
| North Wales      | 45,661           | 1,627          | 24,654           | 4,384                                | 1,972          | 2,852          | 2,142            | 8,030                   |
| <b>WALES</b>     | <b>205,139</b>   | <b>7,400</b>   | <b>103,297</b>   | <b>16,221</b>                        | <b>9,185</b>   | <b>13,362</b>  | <b>14,224</b>    | <b>41,450</b>           |
| <b>ENGLAND</b>   | <b>3,522,403</b> | <b>144,443</b> | <b>1,446,868</b> | <b>326,898</b>                       | <b>137,219</b> | <b>221,268</b> | <b>145,592</b>   | <b>1,100,115</b>        |

Table 7b: Percentage of women aged 20-64 tested<sup>1</sup> in the year, by type of invitation and Health Authority

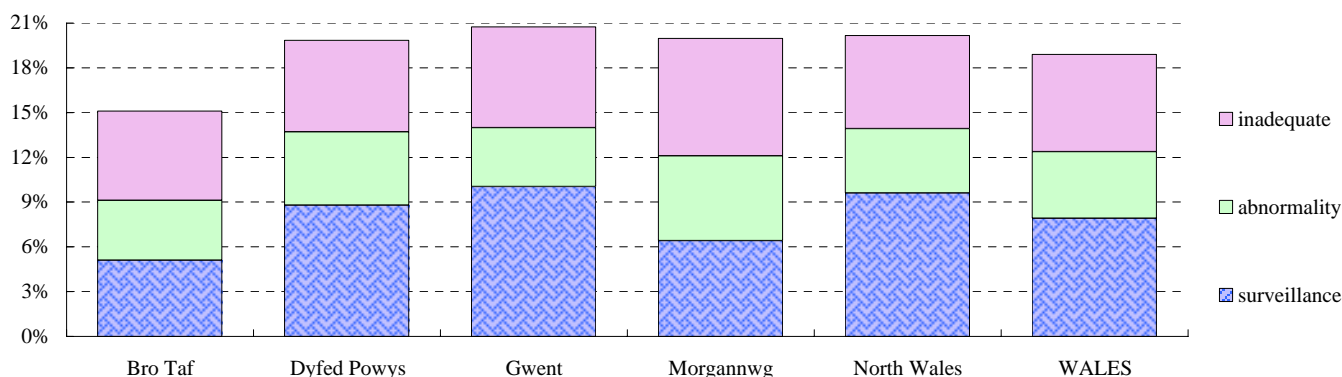
| Health Authority | Total       | Call        | Routine recall | Repeat in three years for reasons of |             |             | Recall suspended | Opportunistic screening |
|------------------|-------------|-------------|----------------|--------------------------------------|-------------|-------------|------------------|-------------------------|
|                  |             |             |                | surveillance                         | abnormality | inadequate  |                  |                         |
| Bro Taf          | 100%        | 4.1%        | 53.8%          | 5.1%                                 | 4.0%        | 6.0%        | 8.2%             | 18.8%                   |
| Dyfed Powys      | 100%        | 3.7%        | 54.6%          | 8.8%                                 | 4.9%        | 6.1%        | 6.1%             | 15.7%                   |
| Gwent            | 100%        | 2.7%        | 53.8%          | 10.0%                                | 4.0%        | 6.8%        | 7.1%             | 15.7%                   |
| Morgannwg        | 100%        | 3.8%        | 30.4%          | 6.4%                                 | 5.7%        | 7.9%        | 8.9%             | 37.0%                   |
| North Wales      | 100%        | 3.6%        | 54.0%          | 9.6%                                 | 4.3%        | 6.2%        | 4.7%             | 17.6%                   |
| <b>WALES</b>     | <b>100%</b> | <b>3.6%</b> | <b>50.4%</b>   | <b>7.9%</b>                          | <b>4.5%</b> | <b>6.5%</b> | <b>6.9%</b>      | <b>20.2%</b>            |
| <b>ENGLAND</b>   | <b>100%</b> | <b>4.1%</b> | <b>41.1%</b>   | <b>9.3%</b>                          | <b>3.9%</b> | <b>6.3%</b> | <b>4.1%</b>      | <b>31.2%</b>            |

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



The total number of women (age 20-64) tested where the type of invitation was 'repeat advised within 3 years' is nearly 39,000 (or 19% 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 Health Authority



**NOTES:**

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

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

Source: KC53, part D

| <b>WALES</b> | <b>Total<sup>2</sup></b> | <b>Negative</b> | <b>Borderline/mild<br/>dyskaryosis</b> | <b>Moderate<br/>dyskaryosis</b> | <b>Positive<sup>3</sup></b> |
|--------------|--------------------------|-----------------|--|---------------------------------|-----------------------------|
| All ages     | 202,120                  | 184,177         | 13,952                                 | 2,238                           | 1,753                       |
| Ages 20-64   | 196,848                  | 179,585         | 13,422                                 | 2,140                           | 1,701                       |
| Ages 25-64   | 176,253                  | 162,781         | 10,461                                 | 1,563                           | 1,448                       |
| Under 20     | 2,003                    | 1,524           | 394                                    | 75                              | 10                          |
| 20-24        | 20,595                   | 16,804          | 2,961                                  | 577                             | 253                         |
| 25-29        | 22,625                   | 19,563          | 2,201                                  | 493                             | 368                         |
| 30-34        | 27,793                   | 24,955          | 2,025                                  | 428                             | 385                         |
| 35-39        | 28,007                   | 25,776          | 1,708                                  | 253                             | 270                         |
| 40-44        | 24,387                   | 22,696          | 1,391                                  | 148                             | 152                         |
| 45-49        | 21,632                   | 20,192          | 1,237                                  | 101                             | 102                         |
| 50-54        | 21,842                   | 20,666          | 1,026                                  | 67                              | 83                          |
| 55-59        | 17,001                   | 16,350          | 560                                    | 46                              | 45                          |
| 60-64        | 12,966                   | 12,583          | 313                                    | 27                              | 43                          |
| 65-69        | 2,586                    | 2,443           | 107                                    | 14                              | 22                          |
| 70-74        | 454                      | 418             | 18                                     | 7                               | 11                          |
| 75+          | 229                      | 207             | 11                                     | 2                               | 9                           |

**ENGLAND**

|            |           |           |         |        |        |
|------------|-----------|-----------|---------|--------|--------|
| All ages   | 3,470,788 | 3,194,952 | 222,040 | 29,135 | 24,661 |
| Ages 20-64 | 3,364,120 | 3,097,567 | 214,517 | 28,284 | 23,752 |
| Ages 25-64 | 3,031,039 | 2,815,235 | 172,823 | 21,927 | 21,054 |

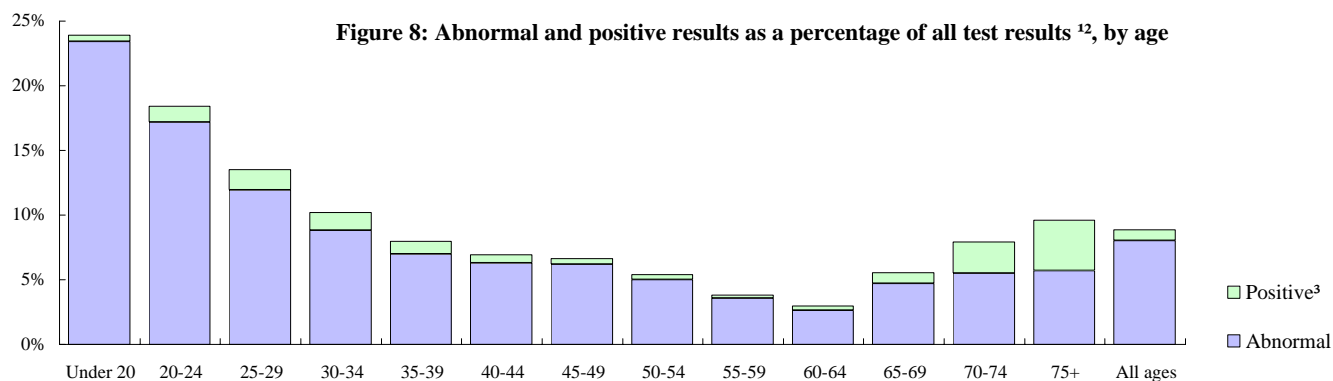
**Table 8b: Percentage of test results<sup>12</sup>, by age at last test**

| <b>WALES</b> | <b>Total<sup>2</sup></b> | <b>Negative</b> | <b>Borderline/mild<br/>dyskaryosis</b> | <b>Moderate<br/>dyskaryosis</b> | <b>Positive<sup>3</sup></b> |
|--------------|--------------------------|-----------------|--|---------------------------------|-----------------------------|
| All ages     | 100%                     | 91.1%           | 6.9%                                   | 1.1%                            | 0.9%                        |
| Ages 20-64   | 100%                     | 91.2%           | 6.8%                                   | 1.1%                            | 0.9%                        |
| Ages 25-64   | 100%                     | 92.4%           | 5.9%                                   | 0.9%                            | 0.8%                        |
| Under 20     | 100%                     | 76.1%           | 19.7%                                  | 3.7%                            | 0.5%                        |
| 20-24        | 100%                     | 81.6%           | 14.4%                                  | 2.8%                            | 1.2%                        |
| 25-29        | 100%                     | 86.5%           | 9.7%                                   | 2.2%                            | 1.6%                        |
| 30-34        | 100%                     | 89.8%           | 7.3%                                   | 1.5%                            | 1.4%                        |
| 35-39        | 100%                     | 92.0%           | 6.1%                                   | 0.9%                            | 1.0%                        |
| 40-44        | 100%                     | 93.1%           | 5.7%                                   | 0.6%                            | 0.6%                        |
| 45-49        | 100%                     | 93.3%           | 5.7%                                   | 0.5%                            | 0.5%                        |
| 50-54        | 100%                     | 94.6%           | 4.7%                                   | 0.3%                            | 0.4%                        |
| 55-59        | 100%                     | 96.2%           | 3.3%                                   | 0.3%                            | 0.3%                        |
| 60-64        | 100%                     | 97.0%           | 2.4%                                   | 0.2%                            | 0.3%                        |
| 65-69        | 100%                     | 94.5%           | 4.1%                                   | 0.5%                            | 0.9%                        |
| 70-74        | 100%                     | 92.1%           | 4.0%                                   | 1.5%                            | 2.4%                        |
| 75+          | 100%                     | 90.4%           | 4.8%                                   | 0.9%                            | 3.9%                        |

**ENGLAND**

|                         |      |       |      |      |      |
|-------------------------|------|-------|------|------|------|
| All ages                | 100% | 92.1% | 6.4% | 0.8% | 0.7% |
| Ages 20-64              | 100% | 92.1% | 6.4% | 0.8% | 0.7% |
| Ages 25-64              | 100% | 92.9% | 5.7% | 0.7% | 0.7% |
| RHA range,<br>age 25-64 |      |       |      |      |      |

**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'

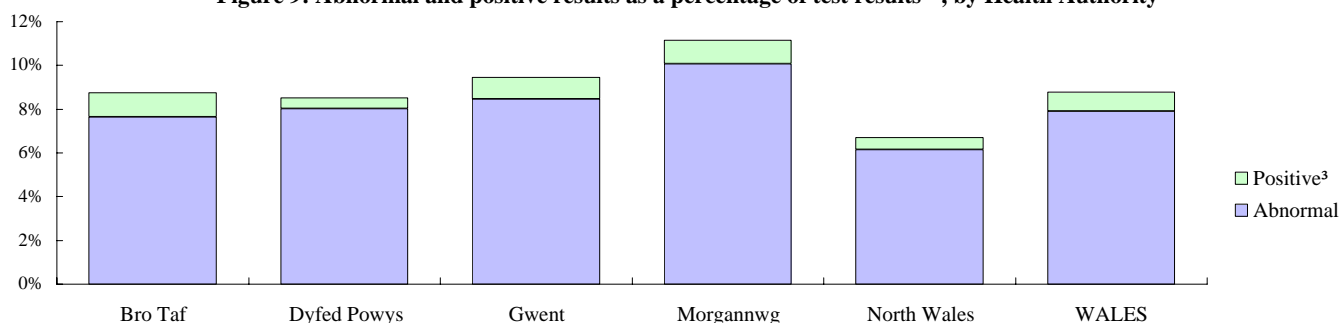
**Table 9a: Number of test results<sup>1</sup>, of women aged 20-64, by Health Authority**

Source: KC53, part D

| Health Authority | Total <sup>2</sup> | Negative         | Borderline/mild dyskaryosis | Moderate dyskaryosis | Positive <sup>3</sup> |
|------------------|--------------------|------------------|-----------------------------|----------------------|-----------------------|
| Bro Taf          | 50,345             | 45,938           | 3,264                       | 576                  | 567                   |
| Dyfed Powys      | 32,854             | 30,054           | 2,274                       | 362                  | 164                   |
| Gwent            | 39,747             | 35,987           | 2,839                       | 519                  | 402                   |
| Morgannwg        | 30,132             | 26,772           | 2,626                       | 407                  | 327                   |
| North Wales      | 43,770             | 40,834           | 2,419                       | 276                  | 241                   |
| <b>WALES</b>     | <b>196,848</b>     | <b>179,585</b>   | <b>13,422</b>               | <b>2,140</b>         | <b>1,701</b>          |
| <b>ENGLAND</b>   | <b>3,364,120</b>   | <b>3,097,567</b> | <b>214,517</b>              | <b>28,284</b>        | <b>23,752</b>         |

**Table 9b: Percentage of test results<sup>1</sup>, of women aged 20-64, by Health Authority**

| Health Authority | Total <sup>2</sup> | Negative     | Borderline/mild dyskaryosis | Moderate dyskaryosis | Positive <sup>3</sup> |
|------------------|--------------------|--------------|-----------------------------|----------------------|-----------------------|
| Bro Taf          | 100%               | 91.2%        | 6.5%                        | 1.1%                 | 1.1%                  |
| Dyfed Powys      | 100%               | 91.5%        | 6.9%                        | 1.1%                 | 0.5%                  |
| Gwent            | 100%               | 90.5%        | 7.1%                        | 1.3%                 | 1.0%                  |
| Morgannwg        | 100%               | 88.8%        | 8.7%                        | 1.4%                 | 1.1%                  |
| North Wales      | 100%               | 93.3%        | 5.5%                        | 0.6%                 | 0.6%                  |
| <b>WALES</b>     | <b>100%</b>        | <b>91.2%</b> | <b>6.8%</b>                 | <b>1.1%</b>          | <b>0.9%</b>           |
| <b>ENGLAND</b>   | <b>100%</b>        | <b>92.1%</b> | <b>6.4%</b>                 | <b>0.8%</b>          | <b>0.7%</b>           |

**Figure 9: Abnormal and positive results as a percentage of test results <sup>12</sup>, by Health Authority****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

| Lab Name          |                         | Total  | NHS    |                  |            | Private | Other |              |
|-------------------|-------------------------|--------|--------|------------------|------------|---------|-------|--------------|
|                   |                         |        | GP     | community clinic | GUM clinic |         |       | NHS hospital |
| Royal Glamorgan   | Total smears            | 21,139 | 17,880 | 1,797            | 166        | 1,276   | 20    | -            |
|                   | No. inadequate          | 1,855  | 1,590  | 169              | 22         | 72      | 2     | -            |
|                   | % inadequate            | 8.8%   | 8.9%   | 9.4%             | 13.3%      | 5.6%    | 10.0% | -            |
|                   | No. adequate            | 19,284 | 16,290 | 1,628            | 144        | 1,204   | 18    | -            |
|                   | No. positive            | 288    | 142    | 24               | 1          | 121     | -     | -            |
|                   | % positive <sup>1</sup> | 1.5%   | 0.9%   | 1.5%             | 0.7%       | 10.0%   | 0.0%  | -            |
| Glan Clwyd        | Total smears            | 14,327 | 12,044 | 1,200            | 37         | 1,046   | -     | -            |
|                   | No. inadequate          | 900    | 753    | 90               | 4          | 53      | -     | -            |
|                   | % inadequate            | 6.3%   | 6.3%   | 7.5%             | 10.8%      | 5.1%    | -     | -            |
|                   | No. adequate            | 13,427 | 11,291 | 1,110            | 33         | 993     | -     | -            |
|                   | No. positive            | 72     | 60     | 2                | 1          | 9       | -     | -            |
|                   | % positive <sup>1</sup> | 0.5%   | 0.5%   | 0.2%             | 3.0%       | 0.9%    | -     | -            |
| Llandough         | Total smears            | 35,917 | 31,458 | 846              | 359        | 3,170   | 25    | 59           |
|                   | No. inadequate          | 2,754  | 2,438  | 69               | 27         | 209     | 1     | 10           |
|                   | % inadequate            | 7.7%   | 7.8%   | 8.2%             | 7.5%       | 6.6%    | 4.0%  | 16.9%        |
|                   | No. adequate            | 33,163 | 29,020 | 777              | 332        | 2,961   | 24    | 49           |
|                   | No. positive            | 490    | 212    | 6                | 4          | 266     | 1     | 1            |
|                   | % positive <sup>1</sup> | 1.5%   | 0.7%   | 0.8%             | 1.2%       | 9.0%    | 4.2%  | 2.0%         |
| Morrison          | Total smears            | 13,938 | 12,288 | 636              | -          | 1,013   | -     | 1            |
|                   | No. inadequate          | 1,410  | 1,261  | 88               | -          | 61      | -     | -            |
|                   | % inadequate            | 10.1%  | 10.3%  | 13.8%            | -          | 6.0%    | -     | 0.0%         |
|                   | No. adequate            | 12,528 | 11,027 | 548              | -          | 952     | -     | 1            |
|                   | No. positive            | 192    | 117    | 7                | -          | 68      | -     | -            |
|                   | % positive <sup>1</sup> | 1.5%   | 1.1%   | 1.3%             | -          | 7.1%    | -     | 0.0%         |
| Nevill Hall       | Total smears            | 1,094  | 352    | 19               | -          | 709     | 14    | -            |
|                   | No. inadequate          | 93     | 17     | 2                | -          | 72      | 2     | -            |
|                   | % inadequate            | 8.5%   | 4.8%   | 10.5%            | -          | 10.2%   | 14.3% | -            |
|                   | No. adequate            | 1,001  | 335    | 17               | -          | 637     | 12    | -            |
|                   | No. positive            | 24     | 2      | -                | -          | 22      | -     | -            |
|                   | % positive <sup>1</sup> | 2.4%   | 0.6%   | 0.0%             | -          | 3.5%    | 0.0%  | -            |
| Prince Charles    | Total smears            | 10,350 | 6,562  | 1,930            | -          | 1,858   | -     | -            |
|                   | No. inadequate          | 688    | 390    | 114              | -          | 184     | -     | -            |
|                   | % inadequate            | 6.6%   | 5.9%   | 5.9%             | -          | 9.9%    | -     | -            |
|                   | No. adequate            | 9,662  | 6,172  | 1,816            | -          | 1,674   | -     | -            |
|                   | No. positive            | 111    | 43     | 9                | -          | 59      | -     | -            |
|                   | % positive <sup>1</sup> | 1.1%   | 0.7%   | 0.5%             | -          | 3.5%    | -     | -            |
| Princess of Wales | Total smears            | 11,261 | 8,850  | 1,398            | 4          | 1,006   | 3     | -            |
|                   | No. inadequate          | 1,150  | 880    | 201              | 1          | 68      | -     | -            |
|                   | % inadequate            | 10.2%  | 9.9%   | 14.4%            | 25.0%      | 6.8%    | 0.0%  | -            |
|                   | No. adequate            | 10,111 | 7,970  | 1,197            | 3          | 938     | 3     | -            |
|                   | No. positive            | 70     | 28     | 6                | -          | 36      | -     | -            |
|                   | % positive <sup>1</sup> | 0.7%   | 0.4%   | 0.5%             | 0.0%       | 3.8%    | 0.0%  | -            |

**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

| Lab Name       |                         | Total   | NHS     |                  |            | Private | Other |              |
|----------------|-------------------------|---------|---------|------------------|------------|---------|-------|--------------|
|                |                         |         | GP      | community clinic | GUM clinic |         |       | NHS hospital |
| Royal Gwent    | Total smears            | 39,946  | 33,829  | 2,957            | 182        | 2,978   | -     | -            |
|                | No. inadequate          | 3,173   | 2,769   | 258              | 2          | 144     | -     | -            |
|                | % inadequate            | 7.9%    | 8.2%    | 8.7%             | 1.1%       | 4.8%    | -     | -            |
|                | No. adequate            | 36,773  | 31,060  | 2,699            | 180        | 2,834   | -     | -            |
|                | No. positive            | 379     | 236     | 21               |            | 122     | -     | -            |
|                | % positive <sup>1</sup> | 1.0%    | 0.8%    | 0.8%             | 0.0%       | 4.3%    | -     | -            |
| Singleton      | Total smears            | 12,585  | 9,843   | 865              | 56         | 1,795   | 23    | 3            |
|                | No. inadequate          | 796     | 677     | 59               | 8          | 52      | -     | -            |
|                | % inadequate            | 6.3%    | 6.9%    | 6.8%             | 14.3%      | 2.9%    | 0.0%  | 0.0%         |
|                | No. adequate            | 11,789  | 9,166   | 806              | 48         | 1,743   | 23    | 3            |
|                | No. positive            | 153     | 67      | 1                | 1          | 84      | -     | -            |
|                | % positive <sup>1</sup> | 1.3%    | 0.7%    | 0.1%             | 2.1%       | 4.8%    | 0.0%  | 0.0%         |
| West Wales     | Total smears            | 19,013  | 16,551  | 1,193            | 8          | 1,246   | 15    | -            |
|                | No. inadequate          | 1,113   | 988     | 49               | 1          | 72      | 3     | -            |
|                | % inadequate            | 5.9%    | 6.0%    | 4.1%             | 12.5%      | 5.8%    | 20.0% | -            |
|                | No. adequate            | 17,900  | 15,563  | 1,144            | 7          | 1,174   | 12    | -            |
|                | No. positive            | 94      | 55      | 6                | -          | 33      | -     | -            |
|                | % positive <sup>1</sup> | 0.5%    | 0.4%    | 0.5%             | 0.0%       | 2.8%    | 0.0%  | -            |
| Withybush      | Total smears            | 8,649   | 7,676   | 313              | 6          | 636     | -     | 18           |
|                | No. inadequate          | 623     | 567     | 17               | 1          | 38      | -     | -            |
|                | % inadequate            | 7.2%    | 7.4%    | 5.4%             | 16.7%      | 6.0%    | -     | 0.0%         |
|                | No. adequate            | 8,026   | 7,109   | 296              | 5          | 598     | -     | 18           |
|                | No. positive            | 31      | 21      | 1                | -          | 9       | -     | -            |
|                | % positive <sup>1</sup> | 0.4%    | 0.3%    | 0.3%             | 0.0%       | 1.5%    | -     | 0.0%         |
| Wrexham Maelor | Total smears            | 14,254  | 11,162  | 1,383            | 24         | 1,628   | 56    | 1            |
|                | No. inadequate          | 1,567   | 1,310   | 152              | 7          | 97      | 1     | -            |
|                | % inadequate            | 11.0%   | 11.7%   | 11.0%            | 29.2%      | 6.0%    | 1.8%  | 0.0%         |
|                | No. adequate            | 12,687  | 9,852   | 1,231            | 17         | 1,531   | 55    | 1            |
|                | No. positive            | 54      | 36      | 1                | -          | 16      | 1     | -            |
|                | % positive <sup>1</sup> | 0.4%    | 0.4%    | 0.1%             | 0.0%       | 1.0%    | 1.8%  | 0.0%         |
| Ysbyty Gwynedd | Total smears            | 16,428  | 14,367  | 1,151            | 8          | 843     | 4     | 55           |
|                | No. inadequate          | 1,124   | 954     | 88               | -          | 70      | -     | 12           |
|                | % inadequate            | 6.8%    | 6.6%    | 7.6%             | 0.0%       | 8.3%    | 0.0%  | 21.8%        |
|                | No. adequate            | 15,304  | 13,413  | 1,063            | 8          | 773     | 4     | 43           |
|                | No. positive            | 103     | 96      | 3                | -          | 4       | -     | -            |
|                | % positive <sup>1</sup> | 0.7%    | 0.7%    | 0.3%             | 0.0%       | 0.5%    | 0.0%  | 0.0%         |
| <b>WALES</b>   | Total smears            | 218,901 | 182,862 | 15,688           | 850        | 19,204  | 160   | 137          |
|                | No. inadequate          | 17,246  | 14,594  | 1,356            | 73         | 1,192   | 9     | 22           |
|                | % inadequate            | 7.9%    | 8.0%    | 8.6%             | 8.6%       | 6.2%    | 5.6%  | 16.1%        |
|                | No. adequate            | 201,655 | 168,268 | 14,332           | 777        | 18,012  | 151   | 115          |
|                | No. positive            | 2,061   | 1,115   | 87               | 7          | 849     | 2     | 1            |
|                | % positive <sup>1</sup> | 1.0%    | 0.7%    | 0.6%             | 0.9%       | 4.7%    | 1.3%  | 0.9%         |

**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'

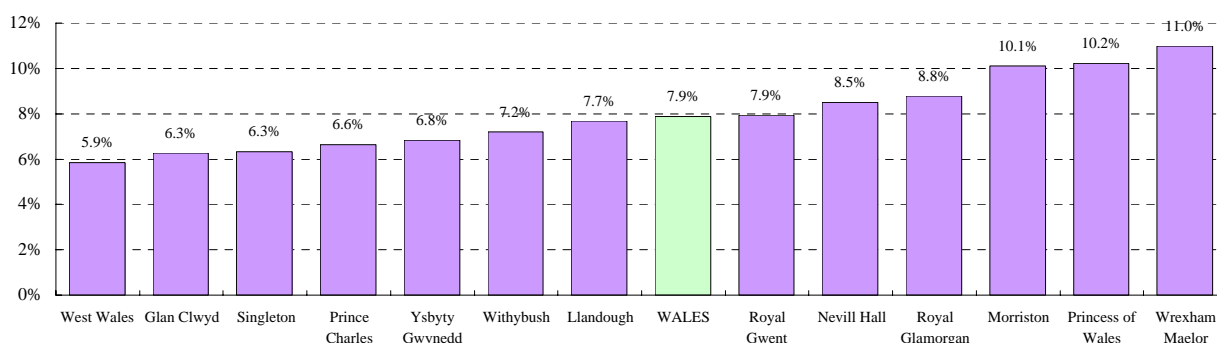
**Table 10: Number of smears examined by pathology laboratories, and number found inadequate, by source of smear**

**Wales and England totals**

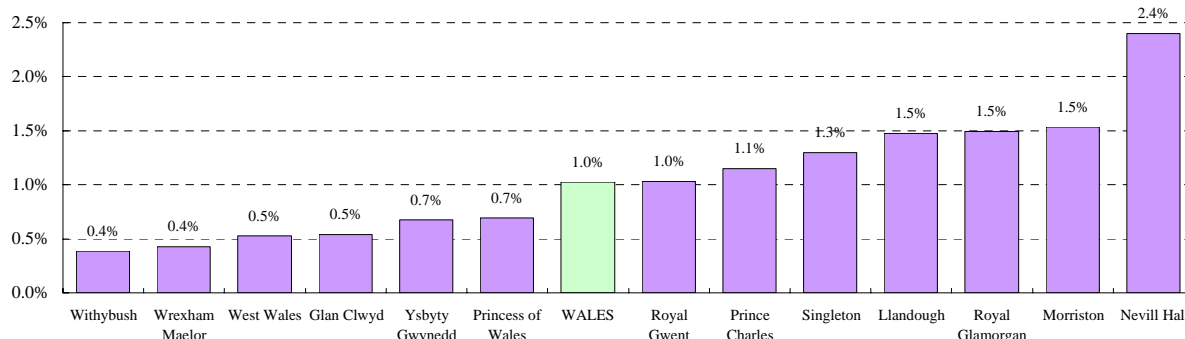
Source: KC61, part A

| Lab Name       | Total                   | NHS       |                  |         | GUM clinic | NHS hospital | Private | Other  |
|----------------|-------------------------|-----------|------------------|---------|------------|--------------|---------|--------|
|                |                         | GP        | community clinic | GP      |            |              |         |        |
| <b>WALES</b>   | Total smears            | 218,901   | 182,862          | 15,688  | 850        | 19,204       | 160     | 137    |
|                | No. inadequate          | 17,246    | 14,594           | 1,356   | 73         | 1,192        | 9       | 22     |
|                | % inadequate            | 7.9%      | 8.0%             | 8.6%    | 8.6%       | 6.2%         | 5.6%    | 16.1%  |
|                | No. adequate            | 201,655   | 168,268          | 14,332  | 777        | 18,012       | 151     | 115    |
|                | No. positive            | 2,061     | 1,115            | 87      | 7          | 849          | 2       | 1      |
|                | % positive <sup>1</sup> | 1.0%      | 0.7%             | 0.6%    | 0.9%       | 4.7%         | 1.3%    | 0.9%   |
| <b>ENGLAND</b> | Total smears            | 4,089,440 | 3,528,923        | 187,760 | 46,694     | 284,011      | 29,425  | 12,627 |
|                | No. inadequate          | 391,468   | 338,864          | 20,577  | 5,236      | 23,801       | 1,701   | 1,289  |
|                | % inadequate            | 9.6%      | 9.6%             | 11.0%   | 11.2%      | 8.4%         | 5.8%    | 10.2%  |
|                | No. adequate            | 3,697,972 | 3,190,059        | 167,183 | 41,458     | 260,210      | 27,724  | 11,338 |
|                | No. positive            | 27,572    | 18,795           | 1,121   | 397        | 6,838        | 287     | 134    |
|                | % positive <sup>1</sup> | 0.7%      | 0.6%             | 0.7%    | 1.0%       | 2.6%         | 1.0%    | 1.2%   |

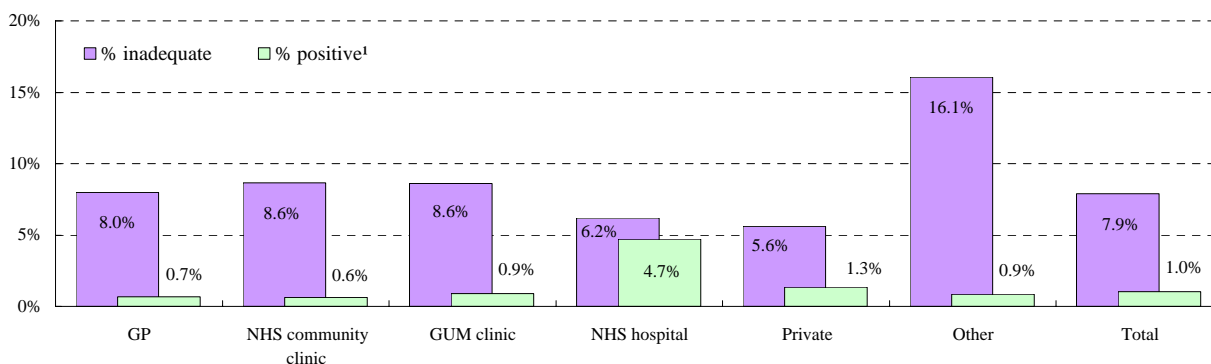
**Figure 10a: Percentage of inadequate smears, by laboratory**



**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

| Lab Name          | Total adequate smears | Negative         | Borderline changes | Mild dyskaryosis | Moderate dyskaryosis | Severe dyskaryosis | Severe dyskaryosis   | Severe dyskaryosis    |
|-------------------|-----------------------|------------------|--------------------|------------------|----------------------|--------------------|----------------------|-----------------------|
|                   |                       |                  |                    |                  |                      |                    | /?Invasive carcinoma | /?Glandular neoplasia |
| Royal Glamorgan   | 17,918                | 16,450           | 625                | 434              | 243                  | 146                | 4                    | 16                    |
| Glan Clwyd        | 12,401                | 11,437           | 605                | 233              | 64                   | 53                 | 3                    | 6                     |
| Llandough         | 29,797                | 27,640           | 1,293              | 454              | 192                  | 175                | 19                   | 24                    |
| Morrison          | 11,575                | 10,248           | 846                | 255              | 102                  | 105                | 9                    | 10                    |
| Nevill Hall       | 352                   | 319              | 22                 | 7                | 2                    | 1                  | 1                    | 0                     |
| Prince Charles    | 7,988                 | 7,118            | 451                | 272              | 95                   | 41                 | 4                    | 7                     |
| Princess of Wales | 9,167                 | 8,652            | 285                | 148              | 48                   | 25                 | 1                    | 8                     |
| Royal Gwent       | 33,759                | 30,755           | 1,580              | 810              | 357                  | 227                | 20                   | 10                    |
| Singleton         | 9,972                 | 8,609            | 797                | 323              | 175                  | 50                 | 2                    | 16                    |
| West Wales        | 16,707                | 15,371           | 445                | 650              | 180                  | 46                 | 5                    | 10                    |
| Withybush         | 7,405                 | 6,740            | 384                | 169              | 90                   | 18                 | 1                    | 3                     |
| Wrexham Maelor    | 11,083                | 10,221           | 455                | 322              | 48                   | 17                 | 3                    | 17                    |
| Ysbyty Gwynedd    | 14,476                | 13,846           | 376                | 87               | 68                   | 90                 | 2                    | 7                     |
| <b>WALES</b>      | <b>182,600</b>        | <b>167,406</b>   | <b>8,164</b>       | <b>4,164</b>     | <b>1,664</b>         | <b>994</b>         | <b>74</b>            | <b>134</b>            |
| <b>ENGLAND</b>    | <b>3,357,242</b>      | <b>3,092,914</b> | <b>142,310</b>     | <b>76,861</b>    | <b>25,241</b>        | <b>16,996</b>      | <b>881</b>           | <b>2,069</b>          |

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

| Lab Name          | Total adequate smears | Negative     | Borderline changes | Mild dyskaryosis | Moderate dyskaryosis | Severe dyskaryosis | Severe dyskaryosis   | Severe dyskaryosis    |
|-------------------|-----------------------|--------------|--------------------|------------------|----------------------|--------------------|----------------------|-----------------------|
|                   |                       |              |                    |                  |                      |                    | /?Invasive carcinoma | /?Glandular neoplasia |
| Royal Glamorgan   | 100%                  | 91.8%        | 3.5%               | 2.4%             | 1.4%                 | 0.8%               | 0.0%                 | 0.1%                  |
| Glan Clwyd        | 100%                  | 92.2%        | 4.9%               | 1.9%             | 0.5%                 | 0.4%               | 0.0%                 | 0.0%                  |
| Llandough         | 100%                  | 92.8%        | 4.3%               | 1.5%             | 0.6%                 | 0.6%               | 0.1%                 | 0.1%                  |
| Morrison          | 100%                  | 88.5%        | 7.3%               | 2.2%             | 0.9%                 | 0.9%               | 0.1%                 | 0.1%                  |
| Nevill Hall       | 100%                  | 90.6%        | 6.3%               | 2.0%             | 0.6%                 | 0.3%               | 0.3%                 | 0.0%                  |
| Prince Charles    | 100%                  | 89.1%        | 5.6%               | 3.4%             | 1.2%                 | 0.5%               | 0.1%                 | 0.1%                  |
| Princess of Wales | 100%                  | 94.4%        | 3.1%               | 1.6%             | 0.5%                 | 0.3%               | 0.0%                 | 0.1%                  |
| Royal Gwent       | 100%                  | 91.1%        | 4.7%               | 2.4%             | 1.1%                 | 0.7%               | 0.1%                 | 0.0%                  |
| Singleton         | 100%                  | 86.3%        | 8.0%               | 3.2%             | 1.8%                 | 0.5%               | 0.0%                 | 0.2%                  |
| West Wales        | 100%                  | 92.0%        | 2.7%               | 3.9%             | 1.1%                 | 0.3%               | 0.0%                 | 0.1%                  |
| Withybush         | 100%                  | 91.0%        | 5.2%               | 2.3%             | 1.2%                 | 0.2%               | 0.0%                 | 0.0%                  |
| Wrexham Maelor    | 100%                  | 92.2%        | 4.1%               | 2.9%             | 0.4%                 | 0.2%               | 0.0%                 | 0.2%                  |
| Ysbyty Gwynedd    | 100%                  | 95.6%        | 2.6%               | 0.6%             | 0.5%                 | 0.6%               | 0.0%                 | 0.0%                  |
| <b>WALES</b>      | <b>100%</b>           | <b>91.7%</b> | <b>4.5%</b>        | <b>2.3%</b>      | <b>0.9%</b>          | <b>0.5%</b>        | <b>0.0%</b>          | <b>0.1%</b>           |
| <b>ENGLAND</b>    | <b>100%</b>           | <b>92.1%</b> | <b>4.2%</b>        | <b>2.3%</b>      | <b>0.8%</b>          | <b>0.5%</b>        | <b>0.0%</b>          | <b>0.1%</b>           |

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

Figure 11a: Results of tests<sup>1</sup>, by laboratory

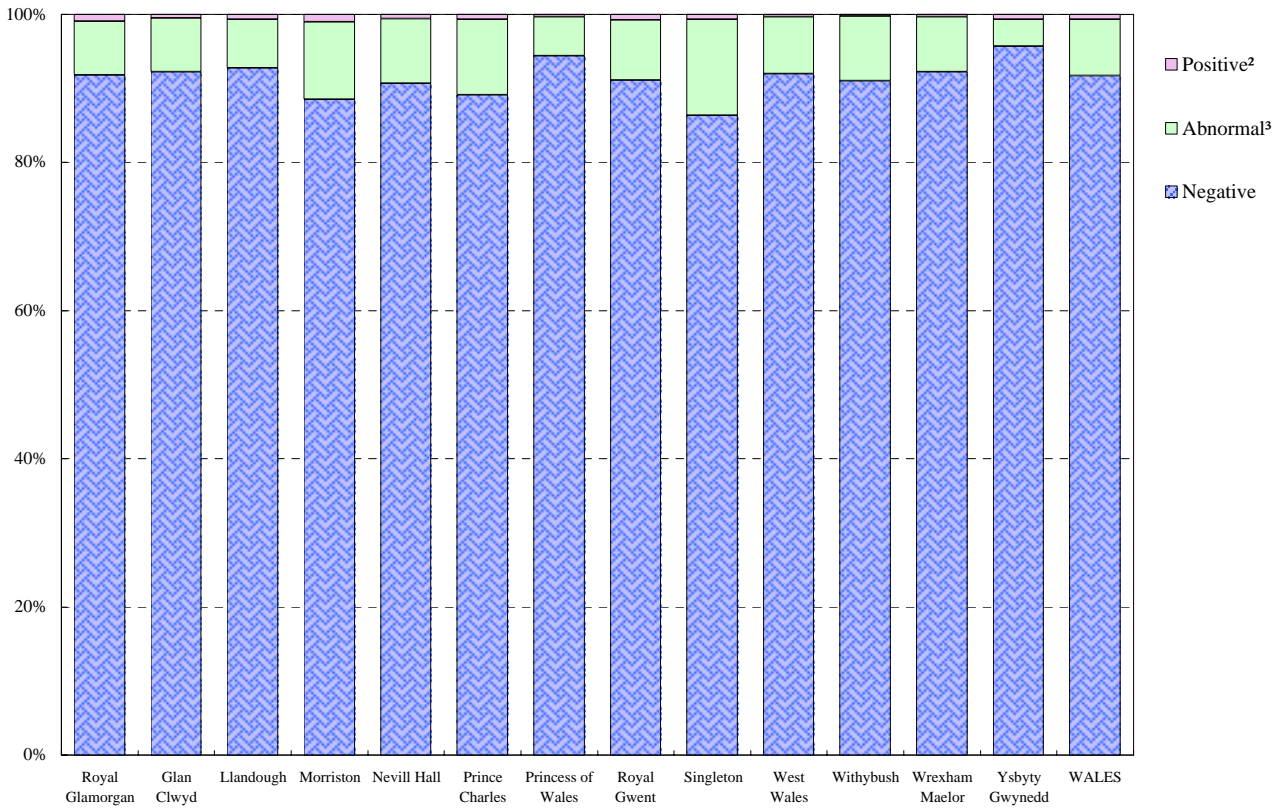
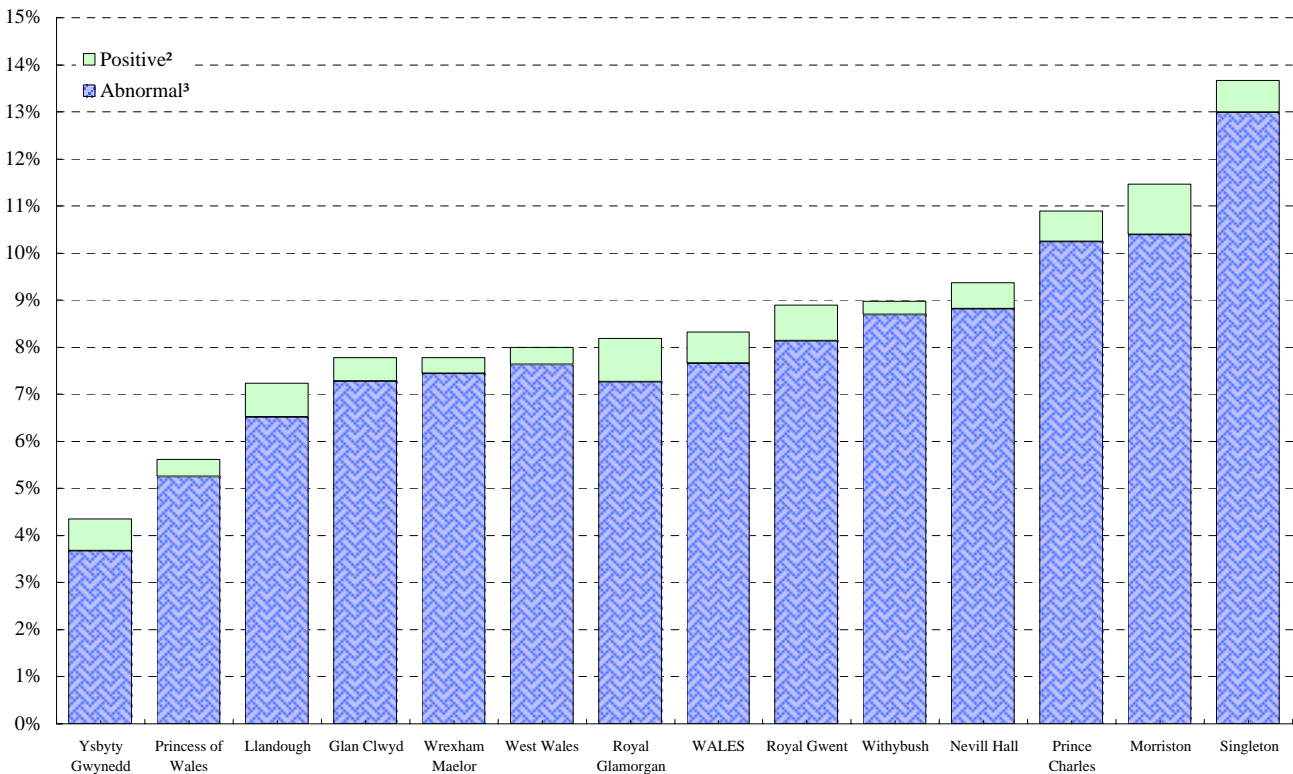


Figure 11b: Abnormal and positive results as a percentage of adequate smears<sup>1</sup>, by laboratory



**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

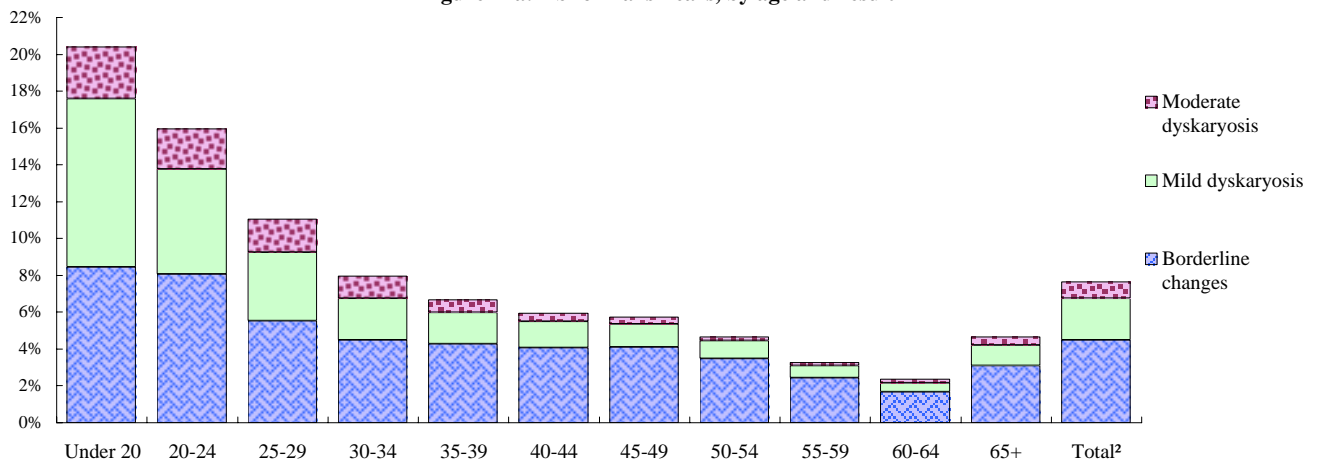
| Results of tests     | Total <sup>2</sup> | Under 20     | 20-24         | 25-29         | 30-34         | 35-39         | 40-44         | 45-49         | 50-54         | 55-59         | 60-64         | 65+          |
|----------------------|--------------------|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|--------------|
| Negative             | 167,406            | 4,050        | 14,637        | 18,274        | 22,616        | 23,303        | 20,203        | 18,574        | 18,565        | 14,575        | 10,838        | 1,753        |
| Borderline changes   | 8,164              | 432          | 1,420         | 1,149         | 1,112         | 1,073         | 878           | 808           | 681           | 367           | 187           | 57           |
| Mild dyskaryosis     | 4,164              | 467          | 1,005         | 779           | 559           | 431           | 309           | 252           | 189           | 98            | 54            | 21           |
| Moderate dyskaryosis | 1,664              | 144          | 390           | 376           | 304           | 174           | 100           | 75            | 41            | 29            | 23            | 8            |
| Severe dyskaryosis   | 994                | 18           | 175           | 243           | 210           | 148           | 83            | 43            | 32            | 22            | 17            | 3            |
| ?Invasive carcinoma  | 74                 | 0            | 4             | 7             | 22            | 11            | 12            | 3             | 8             | 3             | 0             | 4            |
| ?Glandular neoplasia | 134                | 1            | 7             | 18            | 17            | 24            | 13            | 20            | 13            | 8             | 7             | 6            |
| <b>TOTAL</b>         | <b>182,600</b>     | <b>5,112</b> | <b>17,638</b> | <b>20,846</b> | <b>24,840</b> | <b>25,164</b> | <b>21,598</b> | <b>19,775</b> | <b>19,529</b> | <b>15,102</b> | <b>11,126</b> | <b>1,852</b> |

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

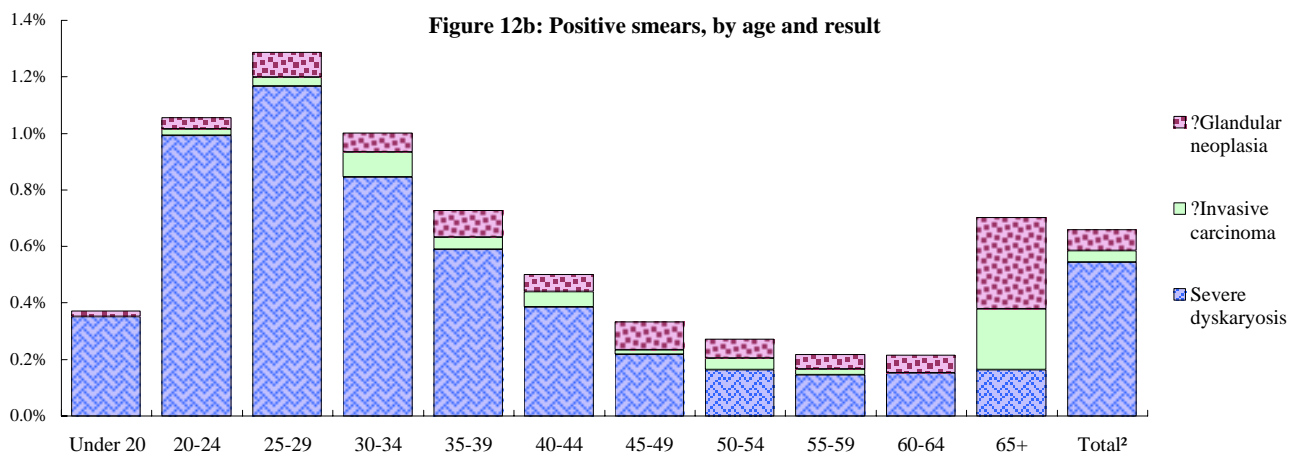
Source: KC61, part B

| 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             | 91.7%              | 79.2%         | 83.0%         | 87.7%         | 91.0%         | 92.6%         | 93.5%         | 93.9%         | 95.1%         | 96.5%         | 97.4%         | 94.7%         |
| Borderline changes   | 4.5%               | 8.5%          | 8.1%          | 5.5%          | 4.5%          | 4.3%          | 4.1%          | 4.1%          | 3.5%          | 2.4%          | 1.7%          | 3.1%          |
| Mild dyskaryosis     | 2.3%               | 9.1%          | 5.7%          | 3.7%          | 2.3%          | 1.7%          | 1.4%          | 1.3%          | 1.0%          | 0.6%          | 0.5%          | 1.1%          |
| Moderate dyskaryosis | 0.9%               | 2.8%          | 2.2%          | 1.8%          | 1.2%          | 0.7%          | 0.5%          | 0.4%          | 0.2%          | 0.2%          | 0.2%          | 0.4%          |
| Severe dyskaryosis   | 0.5%               | 0.4%          | 1.0%          | 1.2%          | 0.8%          | 0.6%          | 0.4%          | 0.2%          | 0.2%          | 0.1%          | 0.2%          | 0.2%          |
| ?Invasive carcinoma  | 0.0%               | 0.0%          | 0.0%          | 0.0%          | 0.1%          | 0.0%          | 0.1%          | 0.0%          | 0.0%          | 0.0%          | 0.0%          | 0.2%          |
| ?Glandular neoplasia | 0.1%               | 0.0%          | 0.0%          | 0.1%          | 0.1%          | 0.1%          | 0.1%          | 0.1%          | 0.1%          | 0.1%          | 0.1%          | 0.3%          |
| <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 (2 negatives in Princess of Wales, 16 negatives in Llandough) included in the total. Totals shown in Tables 12a and 12b are not therefore the sum of the ages

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

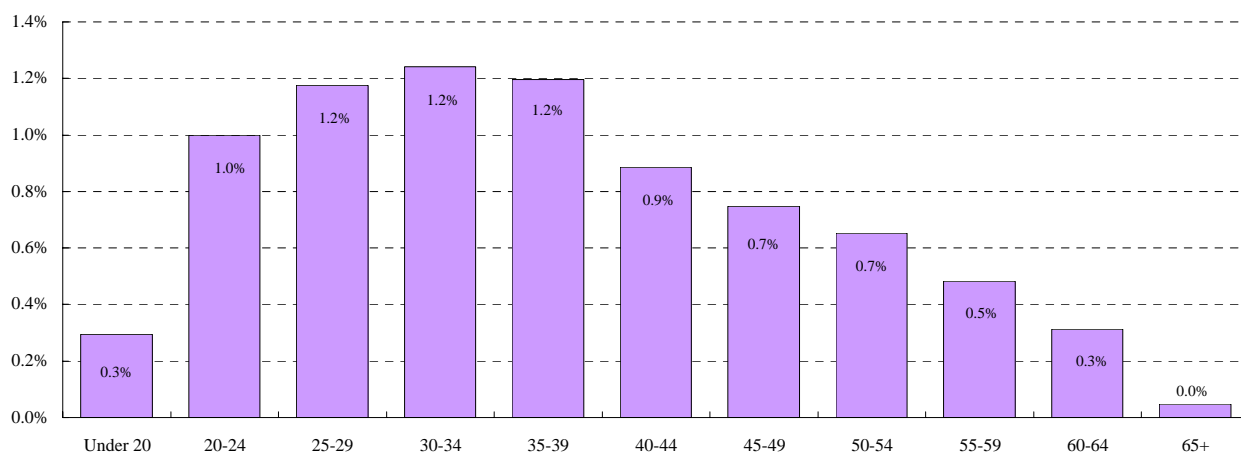
Source: KC61, part B

| Lab Name               | Total inadequate smears |            |              |              |              |              |              |              |              |            |            |           |
|------------------------|-------------------------|------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|------------|------------|-----------|
|                        | smears                  | Under 20   | 20-24        | 25-29        | 30-34        | 35-39        | 40-44        | 45-49        | 50-54        | 55-59      | 60-64      | 65+       |
| Royal Glamorgan        | 1,759                   | 45         | 291          | 286          | 289          | 257          | 176          | 152          | 101          | 93         | 62         | 7         |
| Glan Clwyd             | 843                     | 32         | 77           | 87           | 133          | 139          | 82           | 89           | 88           | 63         | 45         | 8         |
| Llandough <sup>2</sup> | 2,507                   | 65         | 421          | 407          | 376          | 381          | 277          | 225          | 167          | 107        | 75         | 4         |
| Morrison               | 1,349                   | 17         | 165          | 188          | 204          | 214          | 146          | 133          | 114          | 110        | 50         | 8         |
| Nevill Hall            | 19                      | 1          | 4            | 5            | 2            | 3            | 1            | 0            | 2            | 0          | 0          | 1         |
| Prince Charles         | 504                     | 10         | 65           | 84           | 80           | 75           | 57           | 50           | 44           | 19         | 18         | 2         |
| Princess of Wales      | 1,081                   | 46         | 106          | 143          | 154          | 156          | 131          | 103          | 99           | 77         | 62         | 4         |
| Royal Gwent            | 3,027                   | 166        | 362          | 501          | 496          | 431          | 313          | 254          | 223          | 171        | 92         | 18        |
| Singleton              | 736                     | 17         | 117          | 102          | 118          | 115          | 92           | 73           | 49           | 28         | 21         | 4         |
| West Wales             | 1,037                   | 86         | 80           | 119          | 169          | 147          | 117          | 97           | 85           | 72         | 60         | 5         |
| Withybush              | 584                     | 23         | 54           | 82           | 75           | 109          | 80           | 58           | 48           | 36         | 16         | 3         |
| Wrexham Maelor         | 1,462                   | 60         | 107          | 194          | 230          | 196          | 167          | 135          | 171          | 107        | 71         | 24        |
| Ysbyty Gwynedd         | 1,042                   | 16         | 135          | 135          | 139          | 152          | 118          | 115          | 104          | 73         | 47         | 8         |
| <b>TOTAL</b>           | <b>15,950</b>           | <b>584</b> | <b>1,984</b> | <b>2,333</b> | <b>2,465</b> | <b>2,375</b> | <b>1,757</b> | <b>1,484</b> | <b>1,295</b> | <b>956</b> | <b>619</b> | <b>96</b> |

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

| Lab Name                 | 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+         |
|--------------------------|--------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Royal Glamorgan          | 8.9%               | 0.2%        | 1.5%        | 1.5%        | 1.5%        | 1.3%        | 0.9%        | 0.8%        | 0.5%        | 0.5%        | 0.3%        | 0.0%        |
| Glan Clwyd               | 6.4%               | 0.2%        | 0.6%        | 0.7%        | 1.0%        | 1.0%        | 0.6%        | 0.7%        | 0.7%        | 0.5%        | 0.3%        | 0.1%        |
| Llandough <sup>2</sup>   | 7.8%               | 0.2%        | 1.3%        | 1.3%        | 1.2%        | 1.2%        | 0.9%        | 0.7%        | 0.5%        | 0.3%        | 0.2%        | 0.0%        |
| Morrison                 | 10.4%              | 0.1%        | 1.3%        | 1.5%        | 1.6%        | 1.7%        | 1.1%        | 1.0%        | 0.9%        | 0.9%        | 0.4%        | 0.1%        |
| Nevill Hall              | 5.1%               | 0.3%        | 1.1%        | 1.3%        | 0.5%        | 0.8%        | 0.3%        | 0.0%        | 0.5%        | 0.0%        | 0.0%        | 0.3%        |
| Prince Charles           | 5.9%               | 0.1%        | 0.8%        | 1.0%        | 0.9%        | 0.9%        | 0.7%        | 0.6%        | 0.5%        | 0.2%        | 0.2%        | 0.0%        |
| Princess of Wales        | 10.5%              | 0.4%        | 1.0%        | 1.4%        | 1.5%        | 1.5%        | 1.3%        | 1.0%        | 1.0%        | 0.8%        | 0.6%        | 0.0%        |
| Royal Gwent              | 8.2%               | 0.5%        | 1.0%        | 1.4%        | 1.3%        | 1.2%        | 0.9%        | 0.7%        | 0.6%        | 0.5%        | 0.3%        | 0.0%        |
| Singleton                | 6.9%               | 0.2%        | 1.1%        | 1.0%        | 1.1%        | 1.1%        | 0.9%        | 0.7%        | 0.5%        | 0.3%        | 0.2%        | 0.0%        |
| West Wales               | 5.8%               | 0.5%        | 0.5%        | 0.7%        | 1.0%        | 0.8%        | 0.7%        | 0.5%        | 0.5%        | 0.4%        | 0.3%        | 0.0%        |
| Withybush                | 7.3%               | 0.3%        | 0.7%        | 1.0%        | 0.9%        | 1.4%        | 1.0%        | 0.7%        | 0.6%        | 0.5%        | 0.2%        | 0.0%        |
| Wrexham Maelor           | 11.7%              | 0.5%        | 0.9%        | 1.5%        | 1.8%        | 1.6%        | 1.3%        | 1.1%        | 1.4%        | 0.9%        | 0.6%        | 0.2%        |
| Ysbyty Gwynedd           | 6.7%               | 0.1%        | 0.9%        | 0.9%        | 0.9%        | 1.0%        | 0.8%        | 0.7%        | 0.7%        | 0.5%        | 0.3%        | 0.1%        |
| <b>TOTAL<sup>3</sup></b> | <b>8.0%</b>        | <b>0.3%</b> | <b>1.0%</b> | <b>1.2%</b> | <b>1.2%</b> | <b>1.2%</b> | <b>0.9%</b> | <b>0.7%</b> | <b>0.7%</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' (Llandough) included in the number of total smears used to calculate the percentages for the laboratories concerned and TOTAL. The totals shown in Tables 13a and 13b are not therefore the sum of the ages.

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

**Table 14a: Outcome for women recommended for gynaecological referral during April - June 2000**

Source: KC61, Part C

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

**Number of women**

| Lab Name          | Total      | Cancer   | Adeno-carcinoma |           |            |            | HPV only  | No CIN/ No HPV | Inadequate biopsy | Colposcopy             |               | Result not known* |
|-------------------|------------|----------|-----------------|-----------|------------|------------|-----------|----------------|-------------------|------------------------|---------------|-------------------|
|                   |            |          | in-situ         | CIN 3     | CIN 2      | CIN 1      |           |                |                   | NAD - no biopsy taken* | Result known* |                   |
| Royal Glamorgan   | 97         | -        | -               | 3         | 11         | 16         | 9         | 29             | 1                 | 22                     | 6             |                   |
| Glan Clwyd        | 41         | -        | -               | 3         | 11         | 16         | -         | 7              | 2                 | -                      | 2             |                   |
| Llandough*        | 81         | -        | 1               | 10        | 10         | 6          | 19        | 28             | 3                 | 4                      | -             |                   |
| Morrison          | 40         | -        | -               | 1         | 3          | 16         | -         | 8              | -                 | 7                      | 5             |                   |
| Nevill Hall       | 28         | -        | -               | 3         | 3          | 8          | 3         | 1              | -                 | -                      | 10            |                   |
| Prince Charles    | 66         | -        | -               | 4         | 3          | 32         | 16        | 9              | 2                 | -                      | -             |                   |
| Princess of Wales | 87         | -        | -               | 12        | 15         | 20         | 3         | 9              | 1                 | 20                     | 7             |                   |
| Royal Gwent       | 158        | -        | -               | 3         | 11         | 37         | 8         | 24             | 5                 | -                      | 70            |                   |
| Singleton         | 70         | -        | -               | 3         | 3          | 15         | 2         | 19             | 5                 | 18                     | 5             |                   |
| West Wales        | 84         | -        | -               | 1         | 7          | 14         | 12        | 10             | 1                 | 32                     | 7             |                   |
| Withybush         | 28         | -        | -               | 1         | 2          | 15         | 3         | 6              | -                 | 1                      | -             |                   |
| Wrexham Maelor    | 78         | -        | -               | 2         | 10         | 22         | -         | 22             | 3                 | 9                      | 10            |                   |
| Ysbyty Gwynedd    | 67         | 1        | 1               | 10        | 15         | 9          | 1         | 13             | 2                 | 14                     | 1             |                   |
| <b>TOTAL*</b>     | <b>925</b> | <b>1</b> | <b>2</b>        | <b>56</b> | <b>104</b> | <b>226</b> | <b>76</b> | <b>185</b>     | <b>25</b>         | <b>127</b>             | <b>123</b>    |                   |

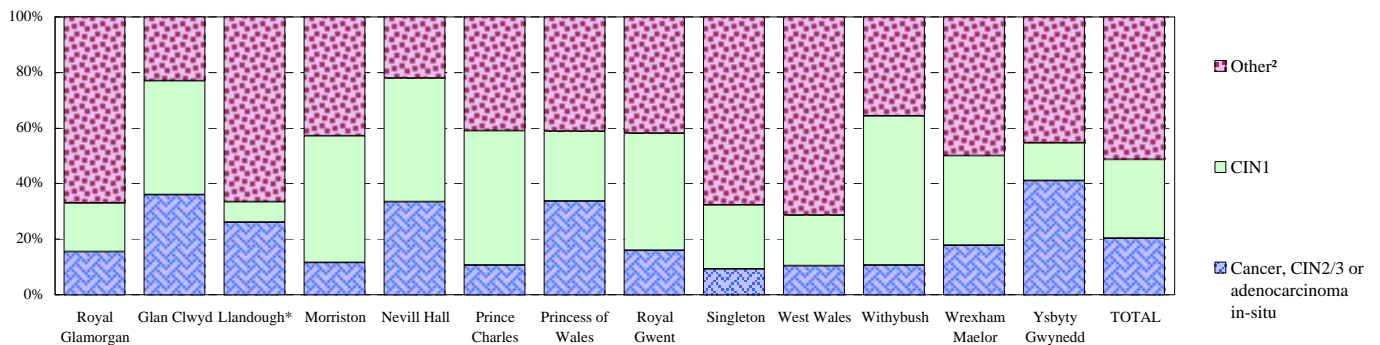
**Table 14b: Outcome for women recommended for gynaecological referral during April - June 2000**

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

**Percentage of cases with known result**

| Lab Name          | Total with known result | Cancer      | Adeno-carcinoma |             |              |              | HPV only    | No CIN/ No HPV | Inadequate biopsy | Colposcopy             |                            | Result not known <sup>1*</sup> |
|-------------------|-------------------------|-------------|-----------------|-------------|--------------|--------------|-------------|----------------|-------------------|------------------------|----------------------------|--------------------------------|
|                   |                         |             | in-situ         | CIN 3       | CIN 2        | CIN 1        |             |                |                   | NAD - no biopsy taken* | Result known <sup>1*</sup> |                                |
| Royal Glamorgan   | 100%                    | 0.0%        | 0.0%            | 3.3%        | 12.1%        | 17.6%        | 9.9%        | 31.9%          | 1.1%              | 24.2%                  | 6.2%                       |                                |
| Glan Clwyd        | 100%                    | 0.0%        | 0.0%            | 7.7%        | 28.2%        | 41.0%        | 0.0%        | 17.9%          | 5.1%              | 0.0%                   | 4.9%                       |                                |
| Llandough*        | 100%                    | 0.0%        | 1.2%            | 12.3%       | 12.3%        | 7.4%         | 23.5%       | 34.6%          | 3.7%              | 4.9%                   | 0.0%                       |                                |
| Morrison          | 100%                    | 0.0%        | 0.0%            | 2.9%        | 8.6%         | 45.7%        | 0.0%        | 22.9%          | 0.0%              | 20.0%                  | 12.5%                      |                                |
| Nevill Hall       | 100%                    | 0.0%        | 0.0%            | 16.7%       | 16.7%        | 44.4%        | 16.7%       | 5.6%           | 0.0%              | 0.0%                   | 35.7%                      |                                |
| Prince Charles    | 100%                    | 0.0%        | 0.0%            | 6.1%        | 4.5%         | 48.5%        | 24.2%       | 13.6%          | 3.0%              | 0.0%                   | 0.0%                       |                                |
| Princess of Wales | 100%                    | 0.0%        | 0.0%            | 15.0%       | 18.8%        | 25.0%        | 3.8%        | 11.3%          | 1.3%              | 25.0%                  | 8.0%                       |                                |
| Royal Gwent       | 100%                    | 0.0%        | 0.0%            | 3.4%        | 12.5%        | 42.0%        | 9.1%        | 27.3%          | 5.7%              | 0.0%                   | 44.3%                      |                                |
| Singleton         | 100%                    | 0.0%        | 0.0%            | 4.6%        | 4.6%         | 23.1%        | 3.1%        | 29.2%          | 7.7%              | 27.7%                  | 7.1%                       |                                |
| West Wales        | 100%                    | 0.0%        | 0.0%            | 1.3%        | 9.1%         | 18.2%        | 15.6%       | 13.0%          | 1.3%              | 41.6%                  | 8.3%                       |                                |
| Withybush         | 100%                    | 0.0%        | 0.0%            | 3.6%        | 7.1%         | 53.6%        | 10.7%       | 21.4%          | 0.0%              | 3.6%                   | 0.0%                       |                                |
| Wrexham Maelor    | 100%                    | 0.0%        | 0.0%            | 2.9%        | 14.7%        | 32.4%        | 0.0%        | 32.4%          | 4.4%              | 13.2%                  | 12.8%                      |                                |
| Ysbyty Gwynedd    | 100%                    | 1.5%        | 1.5%            | 15.2%       | 22.7%        | 13.6%        | 1.5%        | 19.7%          | 3.0%              | 21.2%                  | 1.5%                       |                                |
| <b>TOTAL*</b>     | <b>100%</b>             | <b>0.1%</b> | <b>0.2%</b>     | <b>7.0%</b> | <b>13.0%</b> | <b>28.2%</b> | <b>9.5%</b> | <b>23.1%</b>   | <b>3.1%</b>       | <b>15.8%</b>           | <b>13.3%</b>               |                                |

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



**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 - June 2000**

Source: KC61, part C

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

**Number of women**

| Lab Name          | 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 not known* |  |                   |
| Royal Glamorgan   | 104        | 4         | 1               | 46         | 27         | 6                      | 2         | 9         | 2              | 3                 | 4                 |  |                   |
| Glan Clwyd        | 29         | 1         | -               | 13         | 9          | 5                      | -         | 1         | -              | -                 | -                 |  |                   |
| Llandough*        | 89         | -         | 1               | 39         | 15         | 2                      | 15        | 12        | 2              | 3                 | -                 |  |                   |
| Morrison          | 44         | -         | -               | 20         | 4          | 7                      | -         | 1         | -              | 11                | 1                 |  |                   |
| Nevill Hall       | 9          | 3         | -               | 2          | 3          | -                      | -         | -         | -              | -                 | 1                 |  |                   |
| Prince Charles    | 47         | 2         | 1               | 18         | 19         | 2                      | 4         | -         | 1              | -                 | -                 |  |                   |
| Princess of Wales | 49         | 1         | -               | 38         | 5          | 3                      | -         | -         | 1              | -                 | 1                 |  |                   |
| Royal Gwent       | 116        | 2         | -               | 42         | 38         | 11                     | 1         | 5         | 6              | -                 | 11                |  |                   |
| Singleton         | 61         | 2         | -               | 6          | 21         | 14                     | 1         | 8         | 4              | 2                 | 3                 |  |                   |
| West Wales        | 57         | -         | -               | 12         | 16         | 7                      | 1         | 10        | -              | 7                 | 4                 |  |                   |
| Withybush         | 47         | 1         | -               | 15         | 21         | 8                      | -         | -         | 2              | -                 | -                 |  |                   |
| Wrexham Maelor    | 32         | -         | 1               | 8          | 11         | 4                      | -         | 8         | -              | -                 | -                 |  |                   |
| Ysbyty Gwynedd    | 39         | 1         | -               | 24         | 4          | 3                      | 1         | 5         | 1              | -                 | -                 |  |                   |
| <b>TOTAL*</b>     | <b>723</b> | <b>17</b> | <b>4</b>        | <b>283</b> | <b>193</b> | <b>72</b>              | <b>25</b> | <b>59</b> | <b>19</b>      | <b>26</b>         | <b>25</b>         |  |                   |

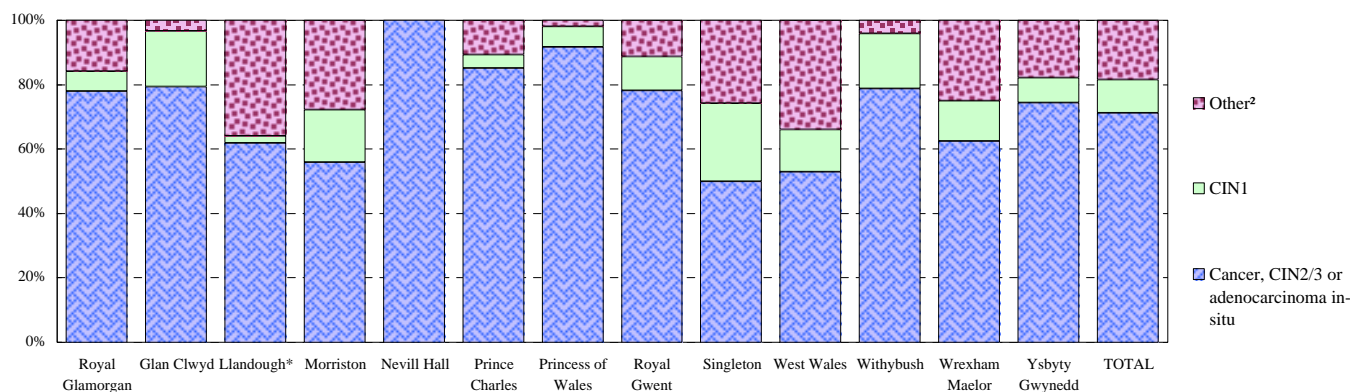
**Table 14d: Outcome for women recommended for gynaecological referral during April - June 2000**

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

**Percentage of cases with known result**

| Lab Name          | Total with known result | Cancer      | Adeno-carcinoma |              |              |                        | CIN 1       | HPV only    | No CIN/ No HPV | Inadequate biopsy | Colposcopy                     |  | Result not known <sup>1*</sup> |
|-------------------|-------------------------|-------------|-----------------|--------------|--------------|------------------------|-------------|-------------|----------------|-------------------|--------------------------------|--|--------------------------------|
|                   |                         |             | in-situ         | CIN 3        | CIN 2        | NAD - no biopsy taken* |             |             |                |                   | Result not known <sup>1*</sup> |  |                                |
| Royal Glamorgan   | 100%                    | 4.0%        | 1.0%            | 46.0%        | 27.0%        | 6.0%                   | 2.0%        | 9.0%        | 2.0%           | 3.0%              | 3.8%                           |  |                                |
| Glan Clwyd        | 100%                    | 3.4%        | 0.0%            | 44.8%        | 31.0%        | 17.2%                  | 0.0%        | 3.4%        | 0.0%           | 0.0%              | 0.0%                           |  |                                |
| Llandough*        | 100%                    | 0.0%        | 1.1%            | 43.8%        | 16.9%        | 2.2%                   | 16.9%       | 13.5%       | 2.2%           | 3.4%              | 0.0%                           |  |                                |
| Morrison          | 100%                    | 0.0%        | 0.0%            | 46.5%        | 9.3%         | 16.3%                  | 0.0%        | 2.3%        | 0.0%           | 25.6%             | 2.3%                           |  |                                |
| Nevill Hall       | 100%                    | 37.5%       | 0.0%            | 25.0%        | 37.5%        | 0.0%                   | 0.0%        | 0.0%        | 0.0%           | 0.0%              | 11.1%                          |  |                                |
| Prince Charles    | 100%                    | 4.3%        | 2.1%            | 38.3%        | 40.4%        | 4.3%                   | 8.5%        | 0.0%        | 2.1%           | 0.0%              | 0.0%                           |  |                                |
| Princess of Wales | 100%                    | 2.1%        | 0.0%            | 79.2%        | 10.4%        | 6.3%                   | 0.0%        | 0.0%        | 2.1%           | 0.0%              | 2.0%                           |  |                                |
| Royal Gwent       | 100%                    | 1.9%        | 0.0%            | 40.0%        | 36.2%        | 10.5%                  | 1.0%        | 4.8%        | 5.7%           | 0.0%              | 9.5%                           |  |                                |
| Singleton         | 100%                    | 3.4%        | 0.0%            | 10.3%        | 36.2%        | 24.1%                  | 1.7%        | 13.8%       | 6.9%           | 3.4%              | 4.9%                           |  |                                |
| West Wales        | 100%                    | 0.0%        | 0.0%            | 22.6%        | 30.2%        | 13.2%                  | 1.9%        | 18.9%       | 0.0%           | 13.2%             | 7.0%                           |  |                                |
| Withybush         | 100%                    | 2.1%        | 0.0%            | 31.9%        | 44.7%        | 17.0%                  | 0.0%        | 0.0%        | 4.3%           | 0.0%              | 0.0%                           |  |                                |
| Wrexham Maelor    | 100%                    | 0.0%        | 3.1%            | 25.0%        | 34.4%        | 12.5%                  | 0.0%        | 25.0%       | 0.0%           | 0.0%              | 0.0%                           |  |                                |
| Ysbyty Gwynedd    | 100%                    | 2.6%        | 0.0%            | 61.5%        | 10.3%        | 7.7%                   | 2.6%        | 12.8%       | 2.6%           | 0.0%              | 0.0%                           |  |                                |
| <b>TOTAL*</b>     | <b>100%</b>             | <b>2.4%</b> | <b>0.6%</b>     | <b>40.5%</b> | <b>27.7%</b> | <b>10.3%</b>           | <b>3.6%</b> | <b>8.5%</b> | <b>2.7%</b>    | <b>3.7%</b>       | <b>3.5%</b>                    |  |                                |

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



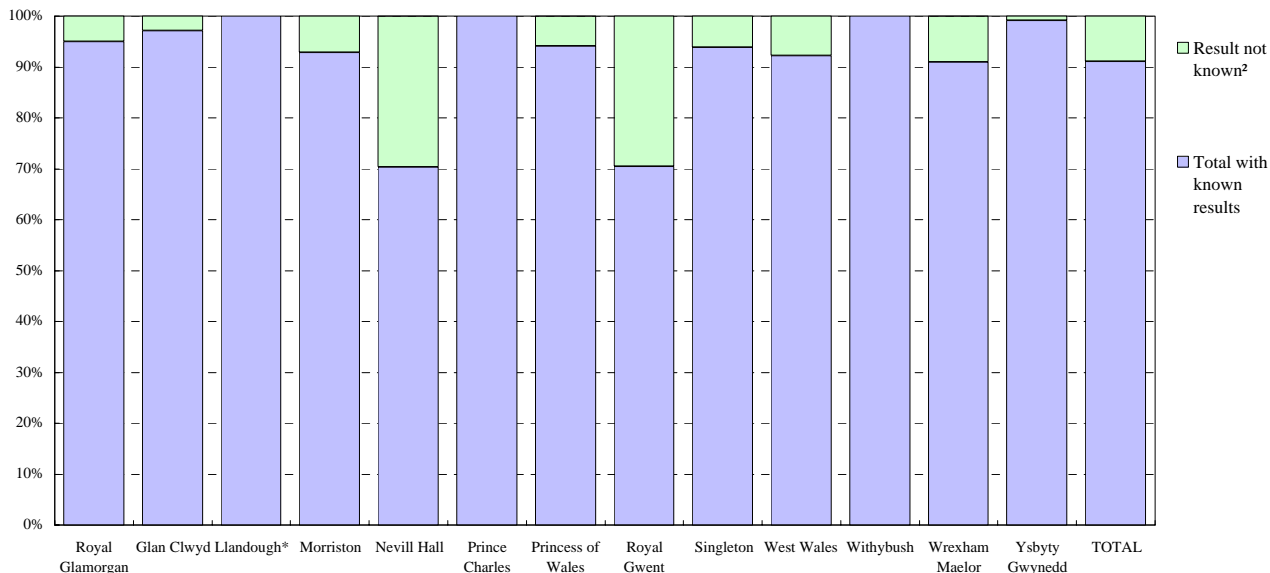
**NOTES:**

<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.

**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

| Lab Name          | Number of x <sup>1</sup> | Number of y <sup>1</sup> | PPV <sup>1</sup> |
|-------------------|--------------------------|--------------------------|------------------|
| Royal Glamorgan   | 78                       | 17                       | 82%              |
| Glan Clwyd        | 23                       | 6                        | 79%              |
| Llandough         | 55                       | 29                       | 65%              |
| Morrison          | 24                       | 8                        | 75%              |
| Nevill Hall       | 8                        | -                        | 100%             |
| Prince Charles    | 40                       | 6                        | 87%              |
| Princess of Wales | 44                       | 3                        | 94%              |
| Royal Gwent       | 82                       | 17                       | 83%              |
| Singleton         | 29                       | 23                       | 56%              |
| West Wales        | 28                       | 18                       | 61%              |
| Withybush         | 37                       | 8                        | 82%              |
| Wrexham Maelor    | 20                       | 12                       | 63%              |
| Ysbyty Gwynedd    | 29                       | 9                        | 76%              |
| <b>TOTAL</b>      | <b>497</b>               | <b>156</b>               | <b>76%</b>       |

**NOTES:**

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

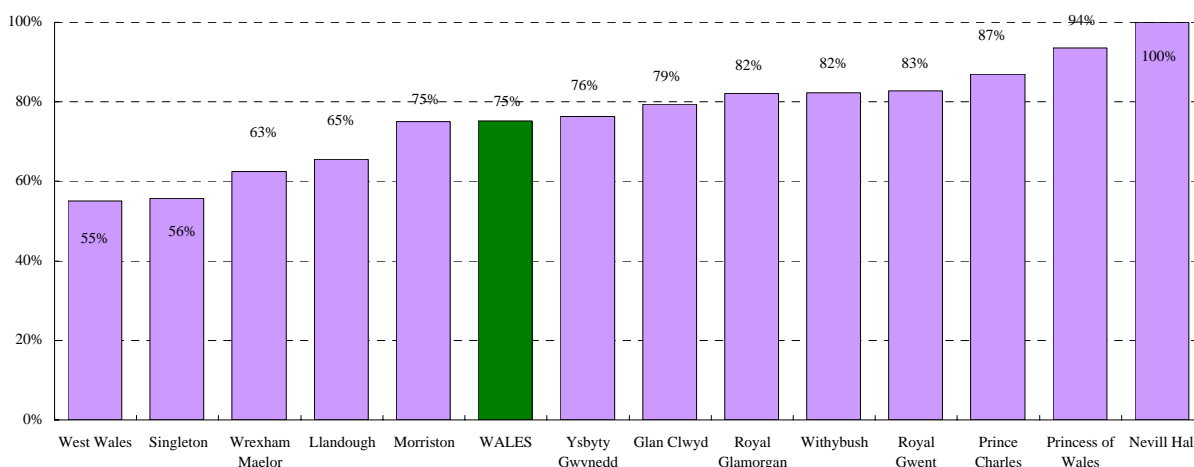
x = outcome of referral equal to 'cancer', 'adenocarcinoma in-situ', 'CIN3' or 'CIN2'.

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 also 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).