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## NOTE: THE PROVISION OF DATA FOR THIS REPORT

District Health Boards (DHBs) are responsible for supplying and verifying the data used in this report. The Ministry of Health is responsible for collating the information.

Due to staffing changes, some DHBs have experienced difficulties in reporting this quarter. Where possible, these have been worked through. However, some discrepancies remain.

The Ministry has released a *Quarterly Returns on Bookings Guide* for DHBs. This guide outlines processes for data provision and contain a set of plain language definitions to support the existing technical definitions.

There have been some changes to the collection of data. Inpatient endoscopy data was previously collected as a component of general surgery, general medicine, and gastroenterology. We are working towards collecting it separately. In addition, fertility data is now collected separately.

Significant variations between providers in the provision of both current and historic dental outpatient data have been identified. Therefore, appendices and tables 1-5 exclude dental data and all previous data has been amended to exclude dental figures. All dental outpatient data is presented separately in Appendix 11. Dental inpatient data is unaffected.

The authors wish to record our appreciation to those people in the hospitals involved in supplying the data.

## 1. FOREWORD: PROGRESS TOWARDS ACHIEVING THE GOVERNMENT'S EXPECTATIONS FOR ELECTIVE SERVICES

In the past, many patients seeking elective services were placed on waiting lists for an indeterminate period of time. Some waited without a plan of care, a responsible clinician, or a date at which their condition would be reassessed or treated.

To improve this situation, the Government has set the following national minimum standards for elective services:

- a maximum waiting time of six months for first specialist assessment; and
- that as part of the assessment process, patients are given certainty of treatment status and a plan of care.

Certainty of treatment status involves ensuring patients are told which of the following categories applies to them:

**Booked/Certainty** - Patients whose condition has been assessed as high priority are advised that they have a firm treatment date within the next six months; or they will receive treatment within the next six months and that the treatment date will be provided closer to the time.

**Active Review** - Active review is a care pathway for patients for whom elective surgery is considered to be the best option for their care; where:

- this service is not available within the current public funding or provider capacity; and/or
- there is a realistic probability that the patient's condition may meet the threshold for treatment in the foreseeable future, ie the next year or two.

Patients in active review are to have their plan of care, including their level of priority, clinically reviewed by a health professional and updated at intervals of not more than six months. Regular reviews will ensure that access to treatment is equitably provided when it becomes available, or if their condition deteriorates and meets the threshold for publicly funded treatment. Active review is free to the patient and reflects good clinical practice.

**GP Care** - If a patient's condition is stable and has been assessed as relatively low priority, their care is transferred to their general practitioner (GP) with specialist support if required. If the patient's condition deteriorates, the patient should contact their GP for a reassessment of their condition. The GP will then consider whether to re-refer the patient for secondary assistance.

**Planned Procedure** - A planned procedure occurs where the timing of the intervention is greater than six months for clinical reasons.

**Staged Procedure** - A staged procedure occurs where the intervention is performed in a series of operations. The patient retains the same priority for treatment given in their initial assessment.

As well as certainty of treatment status, patients are to receive a plan of care that includes:

- the probable diagnosis;
- an agreed care plan;
- the next action planned; and
- who to contact if there is a problem.

While some patients cannot be offered publicly funded treatment because their assessed priority level is less than that which can be met within available resources,

it is better that these patients and their GPs are made aware of this, and are able to pursue other care options.

### 1.1 Funding and surgical discharges over time

Figure 1 demonstrates that the number of surgical procedures performed each year has steadily increased over time. While funding (as demonstrated in Figure 2) increased in the 2000/01 year, it is clear from Figure 1 that DHBs did not undertake all the procedures for which they received funding.

**Figure 1: Surgical discharges (elective and acute) 1995/96 – 2000/01<sup>1</sup>**

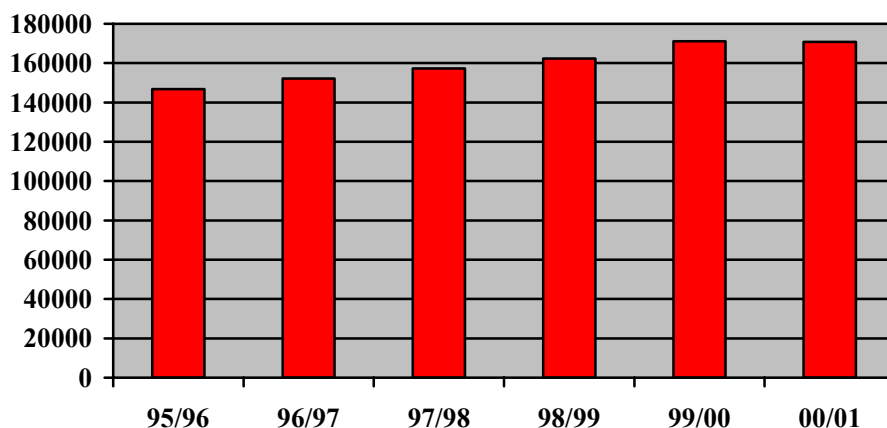


Figure 2 shows that the funding allocated to elective services has increased significantly over time (enabling the increase in surgical discharges displayed in Figure 1). While one off funding allocations have been used to clear backlogs, these have now been substantially reduced. The Government has endorsed sustainable funding as the preferred pathway forward for elective services, thereby enabling the sector to undertake long term strategic planning.

**Figure 2: Funding (in millions, GST incl) for elective surgery 1995/96 – 2000/01**

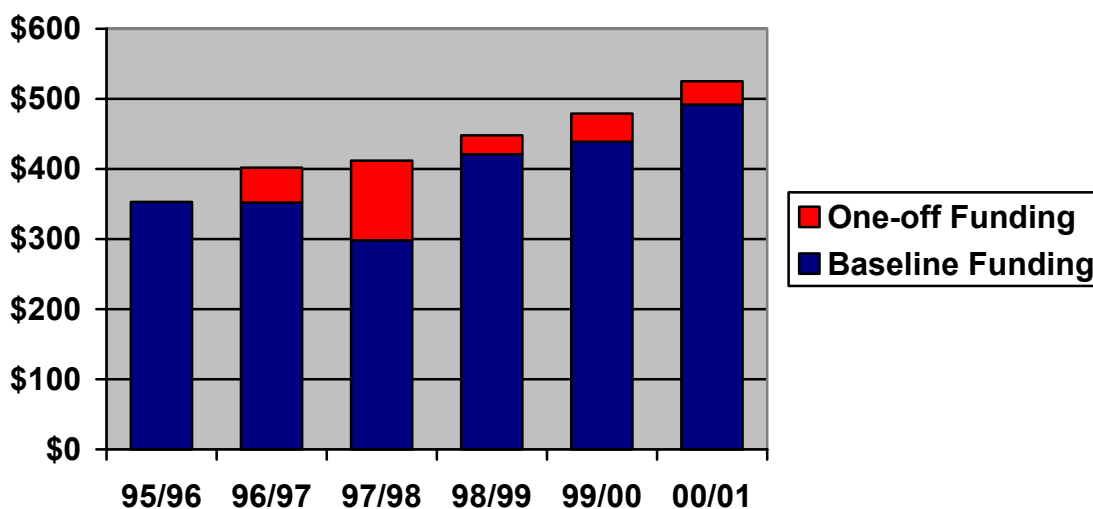


Figure 2 excludes \$200 million spent annually on approx 50,000 acute procedures.

<sup>1</sup> Note: the totals reflect the methodology agreed for accountability purposes in the Funding Agreement. They are lower than some previous time series because they do not include maternity and ACC/Insurer purchased volumes (they had been reported in this way because it was more consistent with the way in which the data were reported in some other Ministry of Health publications).

## 2. EXECUTIVE SUMMARY

- A total of 362,640 outpatients were seen in quarter four 2000/01 compared with 338,539 in quarter four of 1999/00.
- Of those referred for first specialist assessments in quarter four, 57.2 percent were seen within two months of referral and 81.6 percent were seen within the Government's six month standard.
- At the end of quarter four 2000/01 there were 9,853 fewer patients waiting longer than six months for a first specialist assessment than in 1999/00.
- In the 2000/01 year, Taranaki, Lakes and Whanganui DHBs saw over 90 percent of new patients within the Government's standard of six months from referral. The majority of remaining DHBs saw over 80 percent of new patients within this timeframe.
- In the 2000/01 year, 169,071 patients received sustainably funded acute or elective inpatient treatment. This figure contrasts with 160,839 patients receiving sustainably funded treatment in the 1999/00 financial year. While the number of sustainably funded procedures performed has increased significantly in the last year, DHBs did not undertake all the procedures for which they received funding. The Ministry of Health is currently agreeing the extent of this under-delivery with DHBs. In addition, the Ministry and DHBs will work out a pathway for DHBs to deliver all the services funded in the 2001/02 year.
- There was a 40.4 percent drop in the number of patients waiting greater than six months for treatment between quarter four 1999/00 and quarter four 2000/01. There was a 60.1 percent drop in the number waiting greater than two years for treatment in this same period.
- A total of 24,769 patients were booked to a given date or given certainty of treatment in quarter four 2000/01, an increase of 2,566 over quarter four 1999/00.
- At the end of quarter four, there were 25,667 patients in active review, an increase of 227 over the previous quarter. This figure is expected to stabilise at around 15,000 as former residual waiting list patients are reassessed and placed in other care categories. While there was an overall increase, some DHBs such as Auckland, Capital and Coast, Hawke's Bay, and Northland have moved significant numbers off active review into more appropriate care categories such as GP care or treatment.
- The residual waiting lists dropped to 14,477 in quarter four 2000/01, from 41,544 in quarter four 1999/00. However, there was an increase over the previous quarter's reported total of 10,709. This increase was largely due to an administrative error involving 4,000 patients that has since been rectified.

- Management guidelines representing those conditions appearing most often on the hot lists submitted by DHBs – Varicose Veins, Heavy Menstrual Bleeding and Skin Lesions – are ready for implementation. These guidelines will be introduced to primary care between now and Christmas, and in this period the next 8-11 guidelines will be developed for implementation in the new year.
- Most DHBs are now compliant with the National Booking Reporting System (NBRS) for data provision. Despite obtaining compliance in August 2000, Waikato and Counties Manukau DHBs have not been supplying data regularly. However we expect both DHBs to do so by November 2001.

### 3. OUTPATIENT SERVICES: PROGRESS TOWARDS MEETING THE GOVERNMENT'S EXPECTATIONS

Outpatient services are hospital services provided for patients not requiring an overnight stay, for example specialist assessments, follow-up checks, diagnostic services such as x-rays, and some additional services such as physiotherapy. While it does not require an overnight stay, day surgery is included in inpatient services.

Patients are referred to outpatient services for a specialist assessment by their GP or by another hospital specialist. The specialist uses nationally consistent guidelines to help determine the patient's level of need and ability to benefit from treatment relative to others in similar circumstances. Following an assessment, patients are to be advised whether and/or when they will receive treatment.

This section of the report measures progress made by hospital services towards meeting the Government's expectation that patients receive their specialist assessment within a maximum of six months from first referral, with many patients seen considerably sooner.

**Table 1: Number of outpatients referred for assessment<sup>2</sup>**

| Service   | Quarter Four 1999/00 | Quarter Four 2000/01 |
|---|----------------------|----------------------|
| Number referred to medical services for assessment  | 43,562               | 41,253               |
| Number referred to surgical services for assessment | 83,669               | 83,438               |
| <b>Total referred</b>                               | <b>127,231</b>       | <b>124,691</b>       |

Table 1 shows that there has been some reduction in the number of patients referred to outpatient services. This decrease in referrals may suggest an increased awareness of the levels of service able to be delivered by specialists and a willingness within primary care to consider alternative care options which do not involve referral to a specialist.

<sup>2</sup> Table One excludes dental data

**Table 2: Number of outpatients seen<sup>3</sup>**

| Service                                  | Quarter Four<br>1999/00 | Quarter Four<br>2000/01 |
|--|-------------------------|-------------------------|
| Medical first specialist assessment      | 34,712                  | 36,760                  |
| Surgical first specialist assessment     | 70,705                  | 72,672                  |
| <b>Total first specialist assessment</b> | <b>105,417</b>          | <b>109,432</b>          |
| Medical follow-ups                       | 81,749                  | 97,662                  |
| Surgical follow-ups                      | 151,373                 | 155,546                 |
| <b>Total follow-ups</b>                  | <b>233,122</b>          | <b>253,208</b>          |
| <b>Total outpatients seen</b>            | <b>338,539</b>          | <b>362,640</b>          |

Table 2 shows a significant increase in the number of patients receiving outpatients services in the 2000/01 year.

The Government's initial focus is to ensure that all patients receive a specialist assessment within a maximum of six months of first referral. However, many patients should be seen considerably sooner, within clinically appropriate timeframes.

**Table 3: New referrals for first specialist assessment seen within six months and two months<sup>4</sup>**

| Service and quarter         | Total seen     | Percent seen within six months | Percent seen within two months |
|-----------------------------|----------------|--------------------------------|--------------------------------|
| <b>Quarter Four 1999/00</b> |                |                                |                                |
| Medical services            | 34,712         | 84.3%                          | 69.1%                          |
| Surgical services           | 70,705         | 74.9%                          | 56.4%                          |
| <b>Total</b>                | <b>105,417</b> | <b>78.0%</b>                   | <b>60.6%</b>                   |
| <b>Quarter Four 2000/01</b> |                |                                |                                |
| Medical services            | 36,760         | 84.0%                          | 61.8%                          |
| Surgical services           | 72,672         | 80.4%                          | 54.8%                          |
| <b>Total</b>                | <b>109,432</b> | <b>81.6%</b>                   | <b>57.2%</b>                   |

Once all services have met the Government's six month standard for first specialist assessments, a small number of patients will continue to wait outside the standard because they have deferred their own assessment dates. This number should not exceed about 1 percent of the total patients seen.

<sup>3</sup> Table Two excludes dental data

<sup>4</sup> Table Three excludes dental data

Table 4 shows the number of patients waiting outside the standard for first specialist assessments. The table is rank ordered on the number waiting greater than six months as a percent of throughput (the total number of patients seen by the provider in the year). See the shaded column. The best performing DHBs are at the top of the table. A percentage decrease in the last column demonstrates an improvement in performance between quarter four 1999/00 and quarter four 2000/01.

**Table 4: Patients waiting more than six months for first specialist assessment<sup>5</sup>**

| DHBs and other providers | Number of patients waiting greater than six months for first specialist assessment |               | No. patients waiting greater than six months as a percent of 1999/00 (full year) throughput | No. patients waiting greater than six months as a percent of 2000/01 (full year) throughput | Change in percentage from Quarter Four 1999/00 to Quarter Four 2000/01 |
|--------------------------|--|---------------|---|---|--|
|                          | Q4 99/00   | Q4 00/01      | Q4 99/00  | Q4 00/01  |  |
| South Canterbury         | 107  | 9             | 1.5%  | 0.1%  | -1.4%  |
| Queen Elizabeth          | 2  | 12            | 0.1%  | 0.7%  | 0.6%   |
| Taranaki                 | 1,128  | 134           | 9.0%  | 1.0%  | -8.0%  |
| Whanganui                | 623  | 92            | 7.0%  | 1.1%  | -5.9%  |
| Auckland                 | 4,128  | 1,410         | 6.8%  | 2.2%  | -4.6%  |
| Otago                    | 458  | 849           | 2.1%  | 3.5%  | 1.5%   |
| Waitemata                | 1,071  | 913           | 8.0%  | 3.6%  | -4.4%  |
| Hutt                     | 1,239  | 491           | 11.1%   | 4.4%  | -6.7%  |
| Southland                | 437  | 661           | 3.8%  | 5.5%  | 1.7%   |
| Canterbury               | 4,560  | 3,046         | 11.5%   | 7.3%  | -4.2%  |
| Lakes                    | 474  | 694           | 5.0%  | 7.5%  | 2.5%   |
| MidCentral               | 478  | 1,850         | 2.2%  | 8.3%  | 6.1%   |
| West Coast               | 340  | 463           | 7.0%  | 8.9%  | 1.9%   |
| Nelson Marlborough       | 1,484  | 1,817         | 9.8%  | 11.1%   | 1.4%   |
| Waikato                  | 3,729  | 3,363         | 11.9%   | 11.3%   | -0.7%  |
| Northland                | 1,877  | 1,686         | 11.2%   | 11.6%   | 0.4%   |
| Bay of Plenty            | 2,131  | 2,011         | 13.8%   | 13.0%   | -0.8%  |
| Counties Manukau         | 7,977  | 5,138         | 28.9%   | 17.6%   | -11.3%   |
| Capital and Coast        | 9,280  | 6,890         | 25.3%   | 18.3%   | -7.0%  |
| Wairarapa                | 377  | 774           | 9.7%  | 18.5%   | 8.8%   |
| Hawkes Bay               | 3,767  | 2,539         | 33.4%   | 20.6%   | -12.8%   |
| Tairāwhiti               | 727  | 1,699         | 11.9%   | 28.9%   | 17.0%  |
| <b>Total</b>             | <b>46,394</b>  | <b>36,541</b> | <b>11.9%</b>  | <b>8.9%</b>   | <b>-3.0%</b>   |

Table 4 shows considerable improvement in the past year by several DHBs including Taranaki, Auckland, and Hutt.

<sup>5</sup> Table Four excludes dental data as well as providers who did not report data in 1999/00 – the fertility clinics, HSSL and Venturo.

Table 5 is rank ordered on the percentage of new patients seen within the six month standard. The best performing providers are at the top of the table (see shaded column). A percentage increase in the last column demonstrates an improvement in performance between the 1999/00 year and the 2000/01 year.

**Table 5: New referrals receiving first specialist assessment within six months<sup>6</sup>**

| DHBs and other providers                              | Total new referrals seen within the six month standard |                 | Total new referrals seen |                 | Percent seen within six months |                 | Change in % seen within timeframe |
|---|--|-----------------|--------------------------|-----------------|--------------------------------|-----------------|-----------------------------------|
|   | Full year 99/00  | Full year 00/01 | Full year 99/00          | Full year 00/01 | Full year 99/00                | Full year 00/01 |                                   |
| Taranaki  | 12,079   | 12,642          | 12,520                   | 13,092          | 96.5%                          | 96.6%           | 0.1%                              |
| Lakes   | 9,153  | 8,549           | 9,485                    | 9,308           | 96.5%                          | 91.8%           | -4.7%                             |
| Whanganui   | 7,526  | 7,656           | 8,935                    | 8,373           | 84.2%                          | 91.4%           | 7.2%                              |
| Otago   | 19,981   | 21,597          | 22,053                   | 24,038          | 90.6%                          | 89.8%           | -0.8%                             |
| Tairāwhiti  | 5,428  | 5,231           | 6,106                    | 5,870           | 88.9%                          | 89.1%           | 0.2%                              |
| Southland   | 9,898  | 10,601          | 11,439                   | 11,978          | 86.5%                          | 88.5%           | 2.0%                              |
| Waikato   | 28,657   | 26,279          | 31,261                   | 29,825          | 91.7%                          | 88.1%           | -3.6%                             |
| Wairarapa   | 3,565  | 3,669           | 3,871                    | 4,179           | 92.1%                          | 87.8%           | -4.3%                             |
| Bay of Plenty   | 13,457   | 13,580          | 15,480                   | 15,512          | 86.9%                          | 87.5%           | 0.6%                              |
| Canterbury  | 31,625   | 35,966          | 39,668                   | 41,697          | 79.7%                          | 86.3%           | 6.5%                              |
| West Coast  | 3,722  | 4,458           | 4,869                    | 5,190           | 76.4%                          | 85.9%           | 9.5%                              |
| Nelson Marlborough                                    | 13,839   | 13,924          | 15,156                   | 16,300          | 91.3%                          | 85.4%           | -5.9%                             |
| Northland   | 14,512   | 11,877          | 16,769                   | 14,484          | 86.5%                          | 82.0%           | -4.5%                             |
| MidCentral  | 18,438   | 18,041          | 21,802                   | 22,325          | 84.6%                          | 80.8%           | -3.8%                             |
| Counties Manukau                                      | 20,986   | 23,098          | 27,600                   | 29,125          | 76.0%                          | 79.3%           | 3.3%                              |
| Hawkes Bay  | 11,272   | 9,363           | 11,278                   | 12,339          | 99.9%                          | 75.9%           | -24.1%                            |
| Hutt  | 9,662  | 8,227           | 11,148                   | 11,240          | 86.7%                          | 73.2%           | -13.5%                            |
| South Canterbury                                      | 5,991  | 5,262           | 7,209                    | 7,218           | 83.1%                          | 72.9%           | -10.2%                            |
| Auckland  | 34,658   | 45,419          | 60,741                   | 63,798          | 57.1%                          | 71.2%           | 14.1%                             |
| Queen Eliza   | 840  | 837             | 1,357                    | 1,625           | 61.9%                          | 51.5%           | -10.4%                            |
| <b>Total</b>  | <b>275,289</b>   | <b>286,276</b>  | <b>338,747</b>           | <b>347,516</b>  | <b>81.3%</b>                   | <b>82.4%</b>    | <b>1.1%</b>                       |
| <b>Providers with incomplete data or new services</b> |  |                 |                          |                 |                                |                 |                                   |
| Waitemata   | 1,260  | 10,510          | 13,325                   | 25,264          |                                |                 |                                   |
| Capital and Coast                                     | 34,982   | 5,519           | 36,611                   | 37,638          | 95.6%                          | 14.7%           |                                   |
| Venturo   |  | 1,771           | 1,496                    | 1,964           |                                | 90.2%           |                                   |
| Fertility Assoc Auckland                              |  | 111             |                          | 111             |                                | 100%            |                                   |
| Fertility Assoc Hamilton                              |  | 115             |                          | 115             |                                | 100%            |                                   |
| Fertility Assoc Wellington                            |  | 36              |                          | 36              |                                | 100%            |                                   |
| Fertility Assoc Dunedin                               |  | 19              |                          | 31              |                                | 61.3%           |                                   |
| Fertility Assoc Christchurch                          |  | 0               |                          | 63              |                                | 0.0%            |                                   |

<sup>6</sup> Table Five excludes dental data

Table 5 demonstrates excellent progress towards meeting the Government's expectation of a maximum of six months for first specialist assessment by some DHBs. Over 90 percent of Taranaki, Lakes, and Whanganui DHBs new patients were seen within timeframe in the 2000/01 year. All but six providers achieved over 80 percent compliance with the Government's expectations. Auckland DHB showed significant improvement over the last year.

#### 4. INPATIENT SERVICES: PROGRESS TOWARDS MEETING THE GOVERNMENT'S EXPECTATIONS

Inpatient services are medical or surgical procedures where patients are required to stay overnight. For the purposes of this report, day surgery is also categorised as an inpatient treatment service.

This section assesses progress made by hospitals in ensuring:

- all patients have certainty of treatment status; and
- patients who have been informed they will receive treatment, receive it within six months of assessment.

##### 4.1 Patients booked or given certainty of treatment

**Table 6: Number of patients receiving publicly funded acute and elective surgery**

| Patients treated | Full year 1999/00 | Full year 2000/01 | Absolute change | Percentage change |
|------------------|-------------------|-------------------|-----------------|-------------------|
| Number treated   | 160,839           | 169,071           | 8,232           | 5.12%             |

Note this table does not include 1,750 procedures performed in 2000/01 using Waiting Times Funding.

In the 2000/01 financial year DHBs received an additional \$96 million to reduce waiting times and improve equity of access to elective services. While the number of sustainably funded procedures performed has increased significantly in the last year, DHBs did not undertake all the procedures for which they received funding. The Ministry of Health is currently agreeing the extent of this under-delivery with DHBs. In addition, the Ministry and DHBs will work out a pathway for DHBs to deliver all the services funded in the 2001/02 year.

**Table 7: Number of patients waiting longer than six months for treatment**

|          | Q4 99/00 | Q1 00/01 | Q2 00/01 | Q3 00/01 | Q4 00/01 | Absolute change Q4 1999/00 to Q4 2000/01 | % change Q4 1999/00 to Q4 2000/01 |
|----------|----------|----------|----------|----------|----------|--|-----------------------------------|
| Patients | 29,027   | 17,165   | 14,834   | 16,468   | 17,306   | -11,721                                  | -40.4%                            |

**Table 8: Number of patients waiting longer than two years for treatment**

|          | Q4 99/00 | Q1 00/01 | Q2 00/01 | Q3 00/01 | Q4 00/01 | Absolute change Q4 99/00 - Q4 00/01 | % change Q4 99/00 - Q4 00/01 |
|----------|----------|----------|----------|----------|----------|-------------------------------------|------------------------------|
| Patients | 10,516   | 6,131    | 4,512    | 4,406    | 4,192    | -6,324                              | -60.1%                       |

Table 9 shows the number of patients booked or given certainty of treatment by DHBs in line with the Government's expectations. This table is not rank ordered, but where fewer patients have been given certainty or a booking since last year, the last column is shaded.

**Table 9: Number of patients booked or given certainty of treatment**

| DHBs and other provider           | Patients booked or given certainty of treatment at Quarter Four 1999/00 | Patients booked or given certainty of treatment at Quarter Four 2000/01 | Change from Quarter Four 1999/00 to Quarter Four 2000/01 |
|-----------------------------------|---|---|--|
| Auckland DHB                      | 1,988   | 2,481   | 493  |
| Bay of Plenty DHB                 | 548   | 715   | 167  |
| Canterbury DHB                    | 2,916   | 2,448   | -468   |
| Capital and Coast DHB             | 3,140   | 2,098   | -1,042   |
| Counties Manukau DHB              | 2,923   | 1,472   | -1,451   |
| Fertility Associates Auckland     |   | 160   | 160  |
| Fertility Associates Hamilton     |   | 87  | 87   |
| Fertility Associates Wellington   |   | 80  | 80   |
| Hawkes Bay DHB                    | 952   | 2,396   | 1,444  |
| HSSL                              | 6   | 0   | -6   |
| Hutt DHB                          | 300   | 328   | 28   |
| Lakes DHB                         | 255   | 370   | 115  |
| MidCentral DHB                    | 1,134   | 1,943   | 809  |
| Nelson Marlborough DHB            | 402   | 746   | 344  |
| Northland DHB                     | 424   | 641   | 217  |
| Otago DHB                         | 1,904   | 2,411   | 507  |
| Queen Elizabeth                   | 161   | 159   | -2   |
| Southland DHB                     | 533   | 460   | -73  |
| Tairāwhiti DHB                    | 162   | 126   | -36  |
| Taranaki DHB                      | 687   | 900   | 213  |
| The Fertility Centre Christchurch |   | 0   | 0  |
| Venturo                           | 231   | 446   | 215  |
| Waikato DHB                       | 298   | 1,503   | 1,205  |
| Wairarapa DHB                     | 449   | 101   | -348   |
| Waitemata DHB                     | 2,144   | 2,048   | -96  |
| West Coast DHB                    | 44  | 134   | 90   |
| Whanganui DHB                     | 602   | 516   | -86  |
| <b>Total</b>                      | <b>22,203</b>   | <b>24,769</b>   | <b>2,566</b>   |
| South Canterbury DHB              | 842   | *   | *  |

\*South Canterbury is unable to provide data for quarter four 2000/01.

## 4.2 The residual waiting lists and active review

As hospitals work to fulfil the Government's expectation that all patients have certainty of treatment status, all patients on residual waiting lists are being re-assessed or reviewed. The residual waiting lists mostly comprise patients who have waited for substantial periods of time, in many cases for years, and often the current status of their condition is unknown.

Many patients who were on residual waiting lists have been referred to their GPs for an updated assessment, while others have been placed in active review as a temporary measure. As patients in active review receive a clinical review every six months, it is anticipated that following review, the treatment status of many patients transferred from residual waiting lists will change. Some will be booked for treatment, others will be placed in the care of their GPs or remain in active review.

Table 10 shows that in the meantime there is a temporary increase in active review. However, it is anticipated that numbers in active review at any one time will stabilise at about 15,000 nationwide.

Appendix 10 demonstrates that while there has been a slight overall increase this quarter, DHBs such as Auckland, Capital and Coast, Hawke's Bay, and Northland have moved significant numbers of patients off active review. These patients may have been reassessed with an unchanged or low priority condition and referred to the care of their GP where this has been considered clinically appropriate. Others will have been reassessed as eligible for publicly funded treatment.

While we are confident that the majority of DHBs have active review processes in place, there is still room for improvement. The bulk of active review is currently undertaken in secondary services, and a shift to primary care would free specialist resources to concentrate on newly presenting patients. While specialists are to retain oversight of active review patients, the actual reviews can be undertaken by other health professionals.

In future quarterly reports, the number of patients not receiving a review within the six month standard will be measured. It is critical that these patients are monitored and their plan of care and treatment status is updated where necessary.

**Table 10: Number of patients in active review<sup>7</sup>**

| Quarter One<br>00/01 | Quarter Two<br>00/01 | Quarter Three<br>00/01 | Quarter Four<br>00/01 |
|----------------------|----------------------|------------------------|-----------------------|
| 18,714               | 24,430               | 25,440                 | 25,667                |

<sup>7</sup> Quarter Three data has been amended due to late returns from Capital and Coast DHB

Table 11 shows the work done by DHBs in retiring residual waiting lists between quarter four 1999/00 and this quarter. Where patients have been added to the residual waiting list (in breach of the Government's expectations) the final column is shaded.

**Table 11: Number of patients remaining on residual waiting lists**

| DHBs and other providers          | Patients on residual waiting lists at Quarter Four 1999/00 | Patients on residual waiting lists at Quarter Four 2000/01 | Residual waiting lists change from Quarter Four 99/00 to Quarter Four 00/01 |
|-----------------------------------|--|--|---|
| Auckland                          | 3,608  | 0  | -3,608  |
| Bay of Plenty                     | 3,653  | 715  | -2,938  |
| Canterbury                        | 7,743  | 3,022  | -4,721  |
| Capital and Coast                 | 0  | 1  | 1   |
| Counties Manukau                  | 2,250  | 4,766  | 2,516   |
| Fertility Associates Auckland     |  | 34   | 34  |
| Fertility Associates Hamilton     |  | 38   | 38  |
| Fertility Associates Wellington   |  | 53   | 53  |
| Hawkes Bay                        | 2,070  | 347  | -1,723  |
| HSSL                              | 138  | 204  | 66  |
| Hutt                              | 1,208  | 1,003  | -205  |
| Lakes                             | 719  | 915  | 196   |
| MidCentral Health                 | 678  | 0  | -678  |
| Nelson Marlborough                | 2,375  | 287  | -2,088  |
| Northland                         | 3,755  | 0  | -3,755  |
| Otago                             | 1,439  | 0  | -1,439  |
| Queen Elizabeth                   | 95   | 109  | 14  |
| South Canterbury                  | 729  | 0  | -729  |
| Southland                         | 1,229  | 621  | -608  |
| Tairāwhiti                        | 1,265  | 1,090  | -175  |
| Taranaki                          | 170  | 0  | -170  |
| The Fertility Centre Christchurch |  | 397  | 397   |
| Waikato                           | 6,811  | 0  | -6,811  |
| Wairarapa                         | 126  | 78   | -48   |
| Waitemata                         | 494  | 263  | -231  |
| West Coast                        | 680  | 534  | -146  |
| Whanganui                         | 309  | 0  | -309  |
| <b>Total</b>                      | <b>41,544</b>  | <b>14,477</b>  | <b>-27,067</b>  |

While residual waiting lists dropped significantly from quarter four 1999/00 to quarter four in 2000/01, there was an increase from quarter three's reported total of 10,709.<sup>8</sup>

<sup>8</sup> This increase was largely due to an administrative error at Counties Manukau DHB involving a misclassification of over 4,000 patients. The Ministry understands that Counties Manukau DHB is working hard to ensure these patients are moved off residual waiting lists, and are placed in more appropriate care categories.

## 5. IMPLEMENTATION ISSUES

### 5.1 Referral and assessment guidelines

Referral and assessment guidelines have been developed to ensure patients are treated in order of relative priority and in a similar manner throughout New Zealand. Guidelines were developed in conjunction with clinical specialists, GPs, hospital managers and other health professionals for the 29 medical and surgical services with elective components. They provide a framework to assess the patient's relative priority based on a range of medical, social, and complicating factors. The guidelines are being validated and refined by clinicians and researchers on an on-going basis.

It is important to remember that the guidelines have been developed as an aid to support generally accepted clinical practice. Generally accepted clinical practice is expected to become increasingly evidence based as the use of guidelines and other quality improvement measures become more widespread.

If in exceptional circumstances there is a conflict between the referral recommendations and generally accepted clinical practice, then generally accepted clinical practice should prevail.

There are three types of guidelines:

**Referral Guidelines** assist GPs when referring patients to secondary services for assessment or treatment and will outline the information that should accompany the referral, such as the results of diagnostic tests.

**Access Criteria For First Specialist Assessment** assist in prioritising referrals from the primary sector for assessment to help ensure the most urgent referrals are seen first.

**Clinical Priority Assessment Criteria** assist specialists in assessing relative patient need and ability to benefit from treatment.

**Table 12: Status of referral and assessment guidelines as at October 2001.**

| <b>Implemented or currently being implemented</b> | <b>Drafts available/In evaluation phase</b> | <b>No drafts available</b> |
|---|---|----------------------------|
| Cardiology/<br>Cardiac surgery                    | General surgery                             | Urology                    |
| Dermatology                                       | Neurosurgery                                |                            |
| Diabetes  | Vascular surgery                            |                            |
| Endocrinology                                     |   |                            |
| ENT   |   |                            |
| Gastroenterology                                  |   |                            |
| General medicine                                  |   |                            |
| Gynaecology                                       |   |                            |
| Haematology                                       |   |                            |
| Hospital dental                                   |   |                            |
| Immunology  |   |                            |
| Neurology   |   |                            |
| Oncology  |   |                            |
| Ophthalmology                                     |   |                            |
| Oral-Maxillofacial                                |   |                            |
| Orthopaedics                                      |   |                            |
| Paediatric medicine                               |   |                            |
| Paediatric surgery                                |   |                            |
| Plastic surgery                                   |   |                            |
| Radiology   |   |                            |
| Renal medicine                                    |   |                            |
| Respiratory medicine                              |   |                            |
| Rheumatology                                      |   |                            |
| Sexual health                                     |   |                            |
| Thoracic surgery                                  |   |                            |

Where nationally consistent referral and assessment guidelines have not yet been released for implementation, hospitals are using locally developed guidelines to ensure patients receive equitable access to assessment and treatment services. Where guidelines have been developed, hospitals have or are currently implementing them.

Copies of the guidelines are available at: [www.nzgg-careplans.org.nz](http://www.nzgg-careplans.org.nz) Please note the new address. However, the site can still be accessed via the old address: [www.nzgg.org.nz/moh-esg/](http://www.nzgg.org.nz/moh-esg/)

## **5.2 Māori access to elective services**

As the referral and assessment guidelines are implemented and patients are treated in priority order, increased Māori access to elective services is anticipated. The shift from waiting lists to needs-based access should benefit individuals from populations with a comparatively poorer health status, such as Māori. In fact, preliminary data indicates that Māori are already benefiting from this shift. For example, intervention rates for Māori access to coronary artery bypass grafts (where Māori have historically had lower levels of participation) are steadily rising. However, as the process is ongoing, it will take some time until these gains are fully realised.

In the meantime, a pilot project is underway in the Tairāwhiti region. Two Māori providers are working with Tairāwhiti DHB to improve access for eligible Māori who are not currently accessing elective services. If this project is successful, it may be extended into other DHB regions.

As the National Booking Reporting System comes on line, ethnicity data on Māori access to elective services will become available. It is anticipated that additional measures to capture this information will be included in future quarterly reports.

### **5.3 Primary – secondary integration**

The Government's strategy *Reduced Waiting Times for Public Hospital Elective Services* and the Primary Health Strategy both identified better communication and coordination between GPs and specialists as a priority to improve patient care. The electives services strategy document noted that difficulties in accessing specialist advice can undermine best management of patient care in the community, when often a phone call to the specialist is all that is required.

To address these concerns, a great deal of work has gone into redesigning where and how care is delivered. Particular emphasis is being placed on maximising the use of limited specialist resources, with conditions managed in primary care to the extent that is clinically appropriate.

Regional joint primary/secondary groups have been formed to develop initiatives to enhance GP access to specialist assistance. The initiatives include:

- appointment of GPs in a liaison role to work in hospital services to provide feedback on referral quality, and ensure referrals are prioritised appropriately;
- development of management guidelines for common conditions to be managed in primary care;
- providing direct GP access to diagnostic services; and
- upskilling GPs to undertake some assessment work previously done by specialists.

Nationwide cooperation and collaboration is being fostered through a series of Ministry of Health sponsored national specialty forums to share locally devised initiatives. Another national initiative currently underway, is the development of guidelines for the management of low priority, common conditions in primary care.

#### **5.3.1 Management guidelines**

A joint Ministry-Independent Practitioners Association Council (IPAC) contract has been agreed to facilitate the implementation of management guidelines (of which referral guidelines are a part) in primary care. DHBs and primary care have worked to identify and prioritise conditions across all specialties that make up the bulk of first specialist assessment waiting lists.

The first three conditions, representing those conditions appearing most often on the hot lists submitted by DHBs – Varicose Veins, Heavy Menstrual Bleeding and Skin Lesions - have been signed off and will be introduced to primary care between now and Christmas. In the same period, guidelines for a further 8-11 conditions will be developed for implementation in the new year.

The guidelines are being developed by representatives of both primary and secondary care, supported by a consultation process including the national specialty working parties (who were responsible for developing the referral and assessment guidelines). Primary-secondary working groups within each DHB area then add any local requirements to the national management guidelines. Facilitators designated to 10 pilot DHB areas then implement these local management guidelines within the primary care sector.

The project will be evaluated to assess improvement of referral patterns and level of satisfaction with the management and referral guidelines.

## 6. APPENDICES

### Appendix 1.1

#### Number of new outpatient referrals received each quarter by provider

| Provider                       | Q3 99/00       | Q4 99/00       | Q1 00/01       | Q2 00/01       | Q3 00/01       | Q4 00/01       |
|--------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Ashburton                      | 543            | 593            | 847            | 507            | 565            | 545            |
| Auckland Hospital              | 11,311         | 11,877         | 14,012         | 12,196         | 12,170         | 12,632         |
| Bay of Plenty DHB<br>Tauranga  | 3,040          | 3,123          | 3,245          | 3,132          | 3,666          | 3,549          |
| Bay of Plenty DHB<br>Whakatane | 1,928          | 1,710          | 1,940          | 1,674          | 1,399          | 1,307          |
| Canterbury DHB                 | 10,657         | 11,545         | 12,395         | 10,905         | 10,928         | 11,909         |
| Capital Coast                  | 12,522         | 13,728         | 13,400         | 12,776         | 13,414         | 10,401         |
| Counties/Manukau               | 7,483          | 8,598          | 8,715          | 8,253          | 7,792          | 9,947          |
| Fertility Auckland             |                |                |                |                | 81             | 15             |
| Fertility Hamilton             |                |                |                |                |                | 93             |
| Fertility Wellington           |                |                |                |                |                | 36             |
| Fertility Plus                 |                |                |                | 40             | 10             |                |
| Fertility Dunedin              |                |                |                |                | 24             |                |
| Green Lane                     | 2,053          | 1,654          | 1,530          | 1,815          | 2,417          | 2,721          |
| Hawkes Bay                     | 3,704          | 3,764          | 2,799          | 2,732          | 3,148          | 3,510          |
| HSSL                           |                |                |                |                |                |                |
| Hutt DHB                       | 2,964          | 3,499          | 4,183          | 3,400          | 2,739          | 2,905          |
| Lakes Rotorua                  | 2,117          | 2,249          | 2,214          | 2,151          | 2,162          | 2,186          |
| Lakes DHB Taupo                | 776            | 716            | 763            | 748            | 724            | 742            |
| Midcentral DHB                 | 7,628          | 7,191          | 7,199          | 6,452          | 6,475          | 6,994          |
| National Womens                | 1,330          | 1,242          | 1,783          | 1,430          | 1,479          | 1,515          |
| Nelson Marl DHB<br>Nelson      | 2,547          | 2,722          | 3,054          | 2,661          | 2,883          | 2,988          |
| Nelson Marl DHB<br>Wairau      | 1,547          | 1,472          | 1,194          | 1,478          | 1,456          | 1,312          |
| Northland DHB                  | 3,455          | 5,307          | 5,077          | 4,648          | 4,432          | 4,701          |
| Otago DHB                      | 6,222          | 6,431          | 6,807          | 4,903          | 6,947          | 6,835          |
| Queen Elizabeth                | 413            | 398            | 463            | 410            | 341            | 368            |
| South Canterbury               | 1,339          | 1,507          | 1,348          | 1,389          | 699            | 809            |
| Southland DHB                  | 3,026          | 4,574          | 3,769          | 3,435          | 3,415          | 3,099          |
| Starship                       | 3,055          | 3,154          | 2,290          | 3,482          | 3,136          | 3,128          |
| Tairāwhiti DHB                 | 2,135          | 2,177          | 2,201          | 1,698          | 1,966          | 2,017          |
| Taranaki DHB                   | 4,052          | 3,821          | 3,624          | 3,350          | 3,797          | 3,676          |
| Venturo                        | 429            | 461            | 464            | 407            | 405            | 813            |
| Waikato DHB                    | 10,910         | 11,100         | 10,279         | 8,574          | 11,008         | 9,447          |
| Wairarapa DHB                  | 1,070          | 1,407          | 1,880          | 1,124          | 1,192          | 1,378          |
| Waitemata DHB                  | 6,736          | 6,633          | 7,288          | 7,696          | 7,775          | 8,765          |
| West Coast DHB                 | 1,402          | 1,464          | 1,763          | 1,589          | 1,674          | 1,675          |
| Whanganui DHB                  | 2,882          | 3,114          | 2,591          | 2,322          | 2,904          | 2,673          |
| <b>Grand Total</b>             | <b>119,276</b> | <b>127,231</b> | <b>129,117</b> | <b>117,377</b> | <b>123,223</b> | <b>124,691</b> |

Note:

- As signalled in the last report, due to discrepancies in the reporting of outpatients dental data, it has been removed from appendices 1-5 and is presented separately in appendix 11.
- Capital and Coast DHB have supplied amended data for quarter three.
- Auckland Hospital's diabetes data for quarter four was not accurate and has therefore been excluded from the report.

## Appendix 1.2

### Number of new outpatient referrals received each quarter by service

| Service            | Q3 99/00       | Q4 99/00       | Q1 00/01       | Q2 00/01       | Q3 00/01       | Q4 00/01       |
|--------------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Audiology          | 2,898          | 2,922          | 2,586          | 1,860          | 2,196          | 1,833          |
| Cardiology         | 5,699          | 6,465          | 6,573          | 5,944          | 5,520          | 5,922          |
| Cardiothoracic     | 296            | 271            | 196            | 188            | 248            | 206            |
| Dermatology        | 2,884          | 3,155          | 3,413          | 2,944          | 3,424          | 3,498          |
| Diabetes           | 1,557          | 2,206          | 2,517          | 2,090          | 2,424          | 1,283          |
| Endocrinology      | 1,709          | 1,692          | 1,902          | 1,368          | 1,427          | 1,260          |
| Endoscopy          | 716            | 586            | 709            | 1,621          | 2,240          | 1,565          |
| ENT                | 11,553         | 11,962         | 13,209         | 11,487         | 11,694         | 11,956         |
| Fertility          |                |                |                | 40             | 115            | 144            |
| Gastro             | 2,820          | 4,119          | 4,024          | 3,094          | 3,425          | 3,260          |
| General Medicine   | 6,673          | 6,900          | 7,019          | 6,089          | 5,542          | 5,787          |
| General Surgery    | 16,826         | 16,446         | 15,763         | 15,296         | 14,675         | 15,144         |
| Gynaecology        | 9,650          | 10,925         | 11,562         | 9,729          | 10,549         | 10,339         |
| Haematology        | 712            | 879            | 1,103          | 903            | 1,068          | 1,110          |
| Immunology         | 391            | 292            | 418            | 603            | 414            | 579            |
| Infect Diseases    | 589            | 496            | 444            | 475            | 928            | 641            |
| Neurology          | 4,703          | 4,656          | 4,899          | 4,037          | 4,480          | 4,467          |
| Neurosurgery       | 709            | 829            | 712            | 678            | 606            | 772            |
| Oncology           | 3,135          | 3,483          | 3,599          | 3,225          | 3,058          | 3,792          |
| Ophthalmology      | 10,621         | 10,998         | 12,212         | 11,432         | 12,881         | 13,120         |
| Oral Maxillo       | 166            | 199            | 518            | 404            | 494            | 456            |
| Orthopaedics       | 12,560         | 13,842         | 12,444         | 12,657         | 14,188         | 14,542         |
| Paed Medicine      | 5,287          | 6,105          | 6,439          | 5,361          | 5,054          | 5,574          |
| Paed Surgery       | 1,273          | 1,430          | 981            | 1,438          | 1,330          | 1,285          |
| Pain               | 832            | 790            | 1,062          | 880            | 711            | 623            |
| Plastics           | 3,085          | 3,574          | 2,681          | 3,086          | 3,894          | 3,330          |
| Renal Medicine     | 731            | 760            | 807            | 747            | 776            | 816            |
| Respiratory        | 2,752          | 2,151          | 2,430          | 2,678          | 2,598          | 2,729          |
| Rheumatology       | 2,116          | 2,370          | 2,388          | 2,057          | 2,084          | 2,292          |
| Thoracic           | 93             | 102            | 107            | 98             | 97             | 121            |
| Urology            | 4,970          | 5,524          | 5,197          | 3,790          | 3,996          | 5,238          |
| Vascular           | 1,270          | 1,102          | 1,203          | 1,078          | 1,087          | 1,007          |
| <b>Grand Total</b> | <b>119,276</b> | <b>127,231</b> | <b>129,117</b> | <b>117,377</b> | <b>123,223</b> | <b>124,691</b> |

## Appendix 2.1

### Number of new outpatients referrals seen each quarter by provider

| Provider                         | Q3<br>99/00   | Q4<br>99/00    | Q1<br>00/01    | Q2<br>00/01   | Q3<br>00/01    | Q4<br>00/01    |
|----------------------------------|---------------|----------------|----------------|---------------|----------------|----------------|
| Ashburton                        | 406           | 529            | 818            | 529           | 507            | 522            |
| Auckland Hospital                | 9,904         | 10,223         | 10,500         | 10,077        | 10,011         | 10,506         |
| Bay of Plenty DHB<br>Tauranga    | 2,204         | 2,395          | 2,084          | 2,052         | 2,296          | 2,880          |
| Bay of Plenty DHB<br>Whakatane   | 1,465         | 1,752          | 1,085          | 1,508         | 1,352          | 1,535          |
| Canterbury DHB                   | 9,667         | 10,052         | 10,562         | 9,338         | 9,397          | 10,024         |
| Capital and Coast DHB            | 8,063         | 10,312         | 9,991          | 8,330         | 9,812          | 9,505          |
| Counties Manukau DHB             | 5,398         | 8,834          | 7,368          | 6,667         | 7,214          | 7,876          |
| Fertility Auckland               |               |                |                |               | 88             | 23             |
| Fertility Hamilton               |               |                |                |               |                | 115            |
| Fertility Wellington             |               |                |                |               |                | 36             |
| Fertility Plus AHL               |               |                |                | 19            | 5              | 60             |
| Fertility Services Dunedin       |               |                |                |               | 31             |                |
| Green Lane                       | 1,561         | 1,535          | 1,358          | 1,590         | 2,125          | 2,072          |
| Hawkes Bay DHB                   | 2,680         | 2,994          | 3,165          | 2,981         | 3,045          | 3,148          |
| Hutt DHB                         | 2,340         | 2,997          | 2,850          | 2,744         | 2,240          | 3,406          |
| Lakes DHB Rotorua                | 1,870         | 1,786          | 1,705          | 1,807         | 1,630          | 1,884          |
| Lakes DHB Taupo                  | 681           | 536            | 622            | 486           | 588            | 586            |
| Midcentral DHB                   | 5,494         | 5,090          | 6,083          | 4,986         | 5,049          | 6,207          |
| National Womens                  | 729           | 883            | 1,293          | 1,100         | 1,289          | 1,070          |
| Nelson Marlborough<br>DHB Nelson | 2,407         | 2,565          | 2,659          | 2,900         | 2,409          | 2,984          |
| Nelson Marlborough<br>DHB Wairau | 1,203         | 1,182          | 1,141          | 1,337         | 1,562          | 1,308          |
| Northland DHB                    | 2,293         | 4,106          | 4,404          | 3,408         | 3,095          | 3,577          |
| Otago DHB                        | 5,331         | 5,774          | 6,028          | 5,959         | 5,678          | 6,373          |
| Queen Elizabeth                  | 182           | 442            | 427            | 410           | 389            | 399            |
| South Canterbury DHB             | 1,617         | 1,891          | 1,556          | 1,758         | 1,739          | 2,165          |
| Southland DHB                    | 2,774         | 3,353          | 3,396          | 2,935         | 2,785          | 2,862          |
| Starship                         | 2,240         | 2,780          | 2,695          | 2,683         | 2,517          | 2,828          |
| Tairāwhiti DHB                   | 1,653         | 1,561          | 1,498          | 1,455         | 1,416          | 1,501          |
| Taranaki DHB                     | 3,074         | 3,177          | 3,306          | 3,112         | 3,298          | 3,376          |
| Fertility Ch-Ch                  |               |                |                |               |                | 63             |
| Venturo                          | 370           | 385            | 442            | 368           | 350            | 804            |
| Waikato DHB                      | 7,445         | 8,339          | 7,542          | 7,688         | 7,132          | 7,463          |
| Wairarapa DHB                    | 900           | 1,144          | 1,245          | 1,012         | 871            | 1,051          |
| Waitemata DHB                    | 4,322         | 4,810          | 4,806          | 5,860         | 6,709          | 7,889          |
| West Coast DHB                   | 1,297         | 1,294          | 1,287          | 1,323         | 1,392          | 1,188          |
| Whanganui DHB                    | 2,506         | 2,716          | 2,124          | 1,802         | 2,301          | 2,146          |
| <b>Grand Total</b>               | <b>92,076</b> | <b>105,417</b> | <b>104,760</b> | <b>98,224</b> | <b>100,322</b> | <b>109,432</b> |

## Appendix 2.2

### Number of new outpatients referrals seen each quarter by service

| Service            | Q3<br>99/00   | Q4<br>99/00    | Q1<br>00/01    | Q2<br>00/01   | Q3<br>00/01    | Q4<br>00/01    |
|--------------------|---------------|----------------|----------------|---------------|----------------|----------------|
| Audiology          | 2,810         | 3,094          | 1,871          | 2,507         | 1,639          | 1,799          |
| Cardiology         | 4,367         | 5,217          | 4,974          | 4,778         | 4,274          | 5,140          |
| Cardiothoracic     | 162           | 219            | 161            | 152           | 207            | 212            |
| Dermatology        | 1,999         | 2,602          | 2,142          | 2,409         | 2,617          | 2,968          |
| Diabetes           | 1,049         | 1,117          | 1,193          | 1,027         | 1,128          | 881            |
| Endocrinology      | 1,118         | 1,290          | 1,297          | 1,155         | 1,125          | 1,245          |
| Endoscopy          | 750           | 647            | 843            | 1,058         | 2,476          | 2,206          |
| ENT                | 8,443         | 10,661         | 9,547          | 7,972         | 9,540          | 9,884          |
| Fertility          |               |                |                | 19            | 124            | 297            |
| Gastro             | 2,035         | 2,780          | 2,853          | 2,360         | 2,548          | 2,591          |
| General Medicine   | 4,931         | 5,158          | 5,305          | 4,684         | 4,899          | 4,846          |
| General Surgery    | 12,604        | 12,990         | 13,620         | 12,752        | 12,393         | 13,132         |
| Gynaecology        | 6,855         | 8,114          | 8,270          | 7,290         | 7,529          | 8,268          |
| Haematology        | 672           | 709            | 907            | 894           | 893            | 981            |
| Immunology         | 150           | 198            | 305            | 265           | 217            | 209            |
| Infect Diseases    | 689           | 621            | 616            | 614           | 1,115          | 680            |
| Neurology          | 3,426         | 3,553          | 3,918          | 3,458         | 3,491          | 3,486          |
| Neurosurgery       | 442           | 679            | 663            | 544           | 485            | 508            |
| Oncology           | 2,687         | 2,987          | 3,495          | 3,295         | 3,238          | 3,683          |
| Ophthalmology      | 10,406        | 10,451         | 11,476         | 11,503        | 11,530         | 12,896         |
| Oral Maxillo       | 107           | 175            | 345            | 311           | 251            | 325            |
| Orthopaedics       | 8,767         | 11,669         | 11,931         | 11,211        | 11,121         | 13,146         |
| Paed Medicine      | 4,476         | 5,187          | 5,034          | 4,469         | 4,282          | 5,325          |
| Paed Surgery       | 1,186         | 1,245          | 1,169          | 1,118         | 1,091          | 1,117          |
| Pain               | 616           | 551            | 756            | 763           | 684            | 719            |
| Plastics           | 3,005         | 4,713          | 2,903          | 2,723         | 2,940          | 3,066          |
| Renal Medicine     | 538           | 721            | 685            | 606           | 648            | 738            |
| Respiratory        | 1,999         | 1,731          | 1,585          | 2,221         | 1,931          | 2,293          |
| Rheumatology       | 1,657         | 1,766          | 1,901          | 1,831         | 1,909          | 1,813          |
| Thoracic           | 76            | 97             | 105            | 90            | 105            | 113            |
| Urology            | 3,046         | 3,575          | 3,850          | 3,135         | 2,995          | 3,868          |
| Vascular           | 1,008         | 900            | 1,040          | 1,010         | 897            | 997            |
| <b>Grand Total</b> | <b>92,076</b> | <b>105,417</b> | <b>104,760</b> | <b>98,224</b> | <b>100,322</b> | <b>109,432</b> |

### Appendix 3.1

#### Number waiting greater than six months for first specialist assessment by provider

| Provider                         | Q3<br>99/00   | Q4<br>99/00   | Q1<br>00/01   | Q2<br>00/01   | Q3<br>00/01   | Q4<br>00/01   |
|----------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Ashburton                        | 169           | 139           | 126           | 140           | 137           | 139           |
| Auckland Hospital                | 3,378         | 3,968         | 2,980         | 2,314         | 1,166         | 693           |
| Bay of Plenty DHB<br>Tauranga    | 1,691         | 1,866         | 2,127         | 2,391         | 2,555         | 1,904         |
| Bay of Plenty DHB<br>Whakatane   | 118           | 265           | 196           | 245           | 205           | 107           |
| Canterbury DHB                   | 5,010         | 4,421         | 3,253         | 3,583         | 3,457         | 2,907         |
| Capital and Coast DHB            | 6,603         | 9,280         | 5,587         | 4,814         | 6,429         | 6,890         |
| Counties Manukau DHB             | 7,467         | 7,977         | 6,405         | 7,046         | 5,221         | 5,138         |
| Fertility Plus AHL               |               |               |               | 23            | 0             | 0             |
| Fertility Services Dunedin       |               |               |               |               | 1             | 0             |
| Green Lane                       | 249           | 15            | 59            | 1,283*        | 1,189         | 267           |
| Hawkes Bay DHB                   | 3,153         | 3,767         | 2,621         | 2,598         | 2,709         | 2,539         |
| Hutt DHB                         | 658           | 1,239         | 1,219         | 1,442         | 736           | 491           |
| Lakes DHB Rotorua                | 293           | 418           | 409           | 523           | 628           | 632           |
| Lakes DHB Taupo                  | 43            | 56            | 67            | 83            | 74            | 62            |
| Midcentral DHB                   | 1,122         | 478           | 880           | 1,539         | 2,126         | 1,850         |
| National Womens                  | 81            | 61            | 61            | 80            | 87            | 44            |
| Nelson Marlborough DHB<br>Nelson | 780           | 854           | 888           | 976           | 1,224         | 1,335         |
| Nelson Marlborough DHB<br>Wairau | 573           | 630           | 553           | 585           | 467           | 482           |
| Northland DHB                    | 3,585         | 1,877         | 1,251         | 1,026         | 1,578         | 1,686         |
| Otago DHB                        | 481           | 458           | 655           | 535           | 981           | 849           |
| Queen Elizabeth                  | 131           | 2             | 2             | 3             | 8             | 12            |
| South Canterbury DHB             | 126           | 107           | 189           | 92            | 85            | 9             |
| Southland DHB                    | 1,153         | 437           | 501           | 564           | 721           | 661           |
| Starship                         | 106           | 84            | 120           | 257           | 466           | 406           |
| Tairāwhiti DHB                   | 1,036         | 727           | 967           | 1,288         | 1,588         | 1,699         |
| Taranaki DHB                     | 875           | 1,128         | 371           | 212           | 80            | 134           |
| Waikato DHB                      | 3,793         | 3,729         | 3,439         | 3,570         | 3,949         | 3,363         |
| Wairarapa DHB                    | 155           | 377           | 817           | 514           | 784           | 774           |
| Waitemata DHB                    | 1,587         | 1,071         | 1,701         | 3,171         | 2,863         | 913           |
| West Coast DHB                   | 448           | 340           | 493           | 506           | 497           | 463           |
| Whanganui DHB                    | 607           | 623           | 410           | 324           | 207           | 92            |
| <b>Grand Total</b>               | <b>45,471</b> | <b>46,394</b> | <b>38,347</b> | <b>41,727</b> | <b>42,218</b> | <b>36,541</b> |

## Appendix 3.2

### Number waiting greater than six months for first specialist assessment by service

| Service            | Q3<br>99/00   | Q4<br>99/00   | Q1<br>00/01   | Q2<br>00/01   | Q3<br>00/01   | Q4<br>00/01   |
|--------------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Audiology          | 445           | 538           | 623           | 492           | 358           | 449           |
| Cardiology         | 1,504         | 1,883         | 1,430         | 1,900         | 2,201         | 1,164         |
| Cardiothoracic     | 92            | 12            | 72            | 47            | 11            | 12            |
| Dermatology        | 1,343         | 1,200         | 1,205         | 2,297         | 2,611         | 1,517         |
| Diabetes           | 290           | 242           | 54            | 188           | 256           | 95            |
| Endocrinology      | 212           | 277           | 404           | 324           | 314           | 317           |
| Endoscopy          | 218           | 118           | 197           | 156           | 1,092         | 238           |
| ENT                | 7,290         | 6,458         | 6,251         | 6,891         | 5,353         | 5,399         |
| Fertility          |               |               |               | 23            | 1             | 0             |
| Gastro             | 1,701         | 2,070         | 1,746         | 1,705         | 1,556         | 1,460         |
| General Medicine   | 720           | 2,124         | 993           | 1,574         | 1,464         | 1,701         |
| General Surgery    | 6,323         | 5,585         | 3,813         | 3,544         | 3,990         | 3,487         |
| Gynaecology        | 2,658         | 2,563         | 2,625         | 3,359         | 4,094         | 3,416         |
| Haematology        | 43            | 50            | 106           | 142           | 156           | 148           |
| Immunology         | 0             | 9             | 14            | 13            | 39            | 71            |
| Infect Diseases    | 12            | 7             | 18            | 20            | 31            | 2             |
| Neurology          | 2,781         | 1,900         | 1,572         | 1,439         | 1,588         | 1,541         |
| Neurosurgery       | 37            | 54            | 68            | 33            | 45            | 87            |
| Oncology           | 16            | 24            | 78            | 52            | 68            | 55            |
| Ophthalmology      | 8,962         | 8,969         | 6,763         | 6,973         | 5,582         | 4,145         |
| Oral Maxillo       | 32            | 44            | 18            | 7             | 22            | 25            |
| Orthopaedics       | 5,053         | 6,018         | 4,498         | 4,679         | 5,099         | 5,095         |
| Paed Medicine      | 279           | 103           | 386           | 316           | 467           | 607           |
| Paed Surgery       | 93            | 180           | 122           | 41            | 61            | 110           |
| Pain               | 310           | 402           | 659           | 614           | 645           | 391           |
| Plastics           | 1,478         | 1,629         | 1,323         | 1,215         | 1,273         | 1,543         |
| Renal Medicine     | 26            | 186           | 127           | 46            | 73            | 76            |
| Respiratory        | 728           | 834           | 540           | 913           | 814           | 614           |
| Rheumatology       | 571           | 608           | 572           | 861           | 865           | 718           |
| Thoracic           | 0             | 0             | 2             | 2             | 3             | 3             |
| Urology            | 1,452         | 1,510         | 1,482         | 1,400         | 1,621         | 1,620         |
| Vascular           | 802           | 797           | 586           | 461           | 465           | 435           |
| <b>Grand Total</b> | <b>45,471</b> | <b>46,394</b> | <b>38,347</b> | <b>41,727</b> | <b>42,218</b> | <b>36,541</b> |

## Appendix 4.1

### Number waiting greater than eighteen months for first specialist assessment by provider

| Provider                         | Q3<br>99/00   | Q4<br>99/00  | Q1<br>00/01  | Q2<br>00/01  | Q3<br>00/01  | Q4<br>00/01  |
|----------------------------------|---------------|--------------|--------------|--------------|--------------|--------------|
| Ashburton                        | 26            | 15           | 14           | 24           | 36           | 45           |
| Auckland Hospital                | 125           | 43           | 155          | 269          | 99           | 55           |
| Bay of Plenty DHB<br>Tauranga    | 644           | 489          | 473          | 527          | 630          | 522          |
| Bay of Plenty DHB<br>Whakatane   | 1             | 9            | 7            | 2            | 0            | 1            |
| Canterbury DHB                   | 1,737         | 1,101        | 643          | 480          | 499          | 424          |
| Capital and Coast DHB            | 2,357         | 1            | 1,318        | 501          | 854          | 1,059        |
| Counties Manukau DHB             | 2,338         | 2,388        | 2,345        | 2,318        | 1,032        | 1,267        |
| Green Lane                       | 17            | 0            | 0            | 30           | 27           | 12           |
| Hawkes Bay DHB                   | 0             |              |              | 211          |              | 177          |
| Hutt DHB                         | 57            | 90           | 89           | 211          | 133          | 53           |
| Lakes DHB Rotorua                | 16            | 19           | 15           | 23           | 67           | 118          |
| Lakes DHB Taupo                  | 0             | 0            | 0            | 0            | 0            | 0            |
| Midcentral DHB                   | 105           | 61           | 29           | 58           | 77           | 92           |
| National Womens                  | 0             | 0            | 7            | 3            | 1            | 1            |
| Nelson Marlborough DHB<br>Nelson | 422           | 295          | 266          | 255          | 323          | 371          |
| Nelson Marlborough DHB<br>Wairau | 89            | 80           | 89           | 93           | 79           | 90           |
| Northland DHB                    | 1,472         | 526          | 309          | 108          | 96           | 99           |
| Otago DHB                        | 0             | 0            | 0            | 62           | 90           | 83           |
| Queen Elizabeth                  | 0             | 0            | 0            | 0            | 0            | 0            |
| South Canterbury DHB             | 17            | 0            | 0            | 0            | 0            | 0            |
| Southland DHB                    | 287           | 122          | 17           | 1            | 6            | 4            |
| Starship                         | 0             | 0            | 2            | 1            | 4            | 4            |
| Tairāwhiti DHB                   | 223           | 117          | 203          | 319          | 336          | 370          |
| Taranaki DHB                     | 18            | 33           | 28           | 17           | 6            | 9            |
| Waikato DHB                      | 780           | 801          | 855          | 1,003        | 1,116        | 798          |
| Wairarapa DHB                    |               |              | 96           | 64           | 111          | 186          |
| Waitemata DHB                    | 0             | 0            | 0            | 315          | 241          | 0            |
| West Coast DHB                   | 96            | 76           | 76           | 91           | 106          | 97           |
| Whanganui DHB                    | 153           | 161          | 142          | 68           | 27           | 0            |
| <b>Grand Total</b>               | <b>10,980</b> | <b>6,427</b> | <b>7,178</b> | <b>7,054</b> | <b>5,996</b> | <b>5,937</b> |

## Appendix 4.2

### Number waiting greater than eighteen months for first specialist assessment by service

| Services           | Q3<br>99/00   | Q4<br>99/00  | Q1<br>00/01  | Q2<br>00/01  | Q3<br>00/01  | Q4<br>00/01  |
|--------------------|---------------|--------------|--------------|--------------|--------------|--------------|
| Audiology          | 62            | 41           | 143          | 139          | 76           | 97           |
| Cardiology         | 389           | 455          | 525          | 625          | 646          | 137          |
| Cardiothoracic     | 42            | 5            | 12           | 4            | 0            | 0            |
| Dermatology        | 376           | 17           | 109          | 131          | 199          | 125          |
| Diabetes           | 56            | 62           | 3            | 8            | 30           | 7            |
| Endocrinology      | 8             | 17           | 66           | 62           | 60           | 57           |
| Endoscopy          | 56            | 45           | 103          | 3            | 98           | 1            |
| ENT                | 2,446         | 1,713        | 1,797        | 2,066        | 1,164        | 1,271        |
| Fertility          |               |              |              | 0            | 0            | 0            |
| Gastro             | 251           | 141          | 230          | 159          | 95           | 101          |
| General Medicine   | 48            | 74           | 79           | 98           | 128          | 197          |
| General Surgery    | 1,838         | 878          | 612          | 599          | 446          | 453          |
| Gynaecology        | 328           | 210          | 297          | 318          | 276          | 218          |
| Haematology        | 1             | 1            | 12           | 14           | 26           | 20           |
| Immunology         | 0             | 0            | 0            | 0            | 0            | 0            |
| Infect Diseases    | 0             | 0            | 1            | 1            | 2            | 0            |
| Neurology          | 973           | 189          | 156          | 44           | 137          | 218          |
| Neurosurgery       | 2             | 0            | 7            | 1            | 3            | 4            |
| Oncology           | 1             | 3            | 19           | 17           | 13           | 6            |
| Ophthalmology      | 2,338         | 1,150        | 1,533        | 1,524        | 1,123        | 720          |
| Oral Maxillo       | 4             | 0            | 0            | 0            | 1            | 2            |
| Orthopaedics       | 768           | 556          | 484          | 488          | 483          | 1,125        |
| Paed Medicine      | 4             | 3            | 56           | 26           | 37           | 61           |
| Paed Surgery       | 1             | 0            | 56           | 5            | 4            | 8            |
| Pain               | 27            | 1            | 43           | 80           | 118          | 111          |
| Plastics           | 499           | 433          | 352          | 231          | 323          | 466          |
| Renal Medicine     | 1             | 14           | 36           | 14           | 14           | 14           |
| Respiratory        | 77            | 89           | 64           | 73           | 151          | 120          |
| Rheumatology       | 32            | 59           | 67           | 93           | 103          | 72           |
| Thoracic           | 0             | 0            | 2            | 2            | 2            | 0            |
| Urology            | 141           | 64           | 25           | 72           | 89           | 182          |
| Vascular           | 211           | 207          | 289          | 157          | 149          | 144          |
| <b>Grand Total</b> | <b>10,980</b> | <b>6,427</b> | <b>7,178</b> | <b>7,054</b> | <b>5,996</b> | <b>5,937</b> |

## Appendix 5

### Number waiting for first specialist assessment at the end of the quarter by provider

| Provider                           | Q3<br>99/00    | Q4<br>99/00    | Q1<br>00/01    | Q2<br>00/01    | Q3<br>00/01    | Q4<br>00/01    |
|------------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Ashburton                          | 654            | 535            | 597            | 528            | 585            | 611            |
| Auckland Hospital                  | 11,631         | 13,178         | 11,792         | 10,105         | 7,615          | 7,392          |
| Bay of Plenty DHB<br>Tauranga      | 5,067          | 5,006          | 5,514          | 5,916          | 6,293          | 5,504          |
| Bay of Plenty DHB<br>Whakatane     | 921            | 1,191          | 1,177          | 1,333          | 1,183          | 642            |
| Canterbury DHB                     | 13,454         | 12,255         | 12,690         | 13,029         | 13,221         | 12,463         |
| Capital and Coast DHB              | 14,130         | 18,453         | 19,305         | 17,450         | 18,158         | 16,061         |
| Counties Manukau DHB               | 14,786         | 15,730         | 15,700         | 16,275         | 16,450         | 15,075         |
| Fertility Associates<br>Hamilton   |                |                |                |                |                | 44             |
| Fertility Associates<br>Wellington |                |                |                |                |                | 8              |
| Fertility Plus AHL                 |                |                |                | 47             | 1              |                |
| Fertility Services<br>Dunedin      |                |                |                |                | 21             |                |
| Green Lane                         | 1,671          | 983            | 882            | 3,299          | 3,321          | 2,405          |
| Hawkes Bay DHB                     | 6,645          | 7,549          | 6,103          | 5,962          | 6,225          | 6,041          |
| HSSL                               |                |                |                |                |                |                |
| Hutt DHB                           | 3,025          | 4,521          | 4,558          | 4,723          | 3,446          | 2,566          |
| Lakes DHB Rotorua                  | 1,725          | 1,912          | 1,896          | 2,024          | 2,147          | 1,963          |
| Lakes DHB Taupo                    | 519            | 536            | 468            | 604            | 573            | 573            |
| Midcentral DHB                     | 5,256          | 5,478          | 6,134          | 6,853          | 7,456          | 6,555          |
| National Womens                    | 987            | 991            | 868            | 1,212          | 1,085          | 1,308          |
| Nelson Marlborough<br>DHB Nelson   | 2,457          | 2,605          | 2,908          | 2,993          | 3,419          | 3,469          |
| Nelson Marlborough<br>DHB Wairau   | 1,752          | 2,069          | 1,912          | 1,808          | 1,733          | 1,758          |
| Northland DHB                      | 7,043          | 5,371          | 4,986          | 5,161          | 5,566          | 5,640          |
| Otago DHB                          | 5,225          | 5,285          | 5,755          | 4,219          | 6,296          | 5,742          |
| Queen Elizabeth                    | 405            | 265            | 301            | 301            | 253            | 225            |
| South Canterbury DHB               | 1,020          | 1,024          | 1,095          | 1,119          | 157            | 208            |
| Southland DHB                      | 2,578          | 2,232          | 2,225          | 2,566          | 2,685          | 2,352          |
| Starship                           | 2,082          | 2,175          | 2,236          | 2,518          | 2,479          | 2,288          |
| Tairāwhiti DHB                     | 2,229          | 2,045          | 2,798          | 2,981          | 3,130          | 3,346          |
| Taranaki DHB                       | 3,840          | 3,915          | 2,477          | 2,261          | 2,389          | 2,300          |
| Venturo                            | 303            | 334            | 292            | 271            | 286            | 493            |
| Waikato DHB                        | 11,027         | 11,121         | 11,414         | 11,640         | 12,563         | 11,422         |
| Wairarapa DHB                      | 700            | 1,264          | 2,346          | 1,119          | 1,912          | 2,078          |
| Waitemata DHB                      | 4,938          | 4,814          | 8,826          | 9,764          | 10,132         | 7,346          |
| West Coast DHB                     | 1,566          | 960            | 1,813          | 1,802          | 1,877          | 1,959          |
| Whanganui DHB                      | 2,319          | 2,512          | 2,125          | 2,057          | 2,067          | 1,998          |
| <b>Grand Total</b>                 | <b>129,955</b> | <b>136,309</b> | <b>141,193</b> | <b>141,940</b> | <b>144,724</b> | <b>131,835</b> |

## Appendix 6.1

### Number on residual waiting lists (not booked, no certainty) by provider

| Provider                         | Q3<br>99/00   | Q4<br>99/00   | Q1<br>00/01   | Q2<br>00/01   | Q3<br>00/01   | Q4<br>00/01   |
|----------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Ashburton                        | 612           | 607           | 655           | 825           | 339           | 329           |
| Auckland Hospital                | 4,989         | 3,249         | 2,307         | 1,597         | 0             | 0             |
| Bay of Plenty DHB<br>Tauranga    | 3,242         | 2,962         | 0             | 0             | 0             | 0             |
| Bay of Plenty DHB<br>Whakatane   | 647           | 691           | 780           | 840           | 762           | 715           |
| Canterbury DHB                   | 7,807         | 7,136         | 3,700         | 2,535         | 2,419         | 2,693         |
| Capital and Coast DHB            | 239           | 0             | 0             | 1             | 2             | 1             |
| Counties Manukau DHB             | 4,369         | 2,250         | 696           | 734           | 567           | 4,766         |
| Fertility Assoc Auckland         |               |               |               |               | 96            | 34            |
| Fertility Assoc Hamilton         |               |               |               |               |               | 38            |
| Fertility Assoc Wellington       |               |               |               |               |               | 53            |
| Fertility Plus AHL               |               |               |               |               |               | 0             |
| Green Lane                       | 358           | 359           | 55            | 279           | 0             | 0             |
| Hawkes Bay DHB                   | 1,941         | 2,070         |               | 660           | 1,246         | 347           |
| HSSL                             | 152           | 138           | 162           | 162           | 182           | 204           |
| Hutt DHB                         | 864           | 1,208         | 1,027         | 1,098         | 970           | 1,003         |
| Lakes DHB Rotorua                | 619           | 633           | 775           | 425           | 1,031         | 889           |
| Lakes DHB Taupo                  | 70            | 86            | 78            |               | 41            | 26            |
| Midcentral DHB                   | 1,015         | 678           | 315           | 125           | 0             | 0             |
| National Womens                  | 0             | 0             | 66            | 0             | 0             | 0             |
| Nelson Marlborough DHB<br>Nelson | 1,474         | 1,682         | 938           | 409           | 230           | 272           |
| Nelson Marlborough DHB<br>Wairau | 702           | 693           | 734           | 0             | 9             | 15            |
| Northland DHB                    | 4,301         | 3,755         | 2,447         | 586           | 50            | 0             |
| Otago DHB                        | 1,824         | 1,439         | 0             | 0             | 0             | 0             |
| Queen Elizabeth                  | 0             | 95            | 151           | 156           | 135           | 109           |
| South Canterbury DHB             | 707           | 729           | 365           | 0             | 0             | 0             |
| Southland DHB                    | 1,331         | 1,229         | 1,173         | 669           | 730           | 621           |
| Starship                         | 34            | 0             | 106           | 0             | 0             | 0             |
| Tairāwhiti DHB                   | 1,153         | 1,265         | 1,156         | 1,125         | 1,089         | 1,090         |
| Taranaki DHB                     | 405           | 170           | 14            | 0             | 0             | 0             |
| The Fertility Centre Ch-Ch       |               |               |               |               |               | 397           |
| Venturo                          | 0             | 0             | 0             | 0             | 0             | 0             |
| Waikato DHB                      | 9,632         | 6,811         | 0             | 0             | 0             | 0             |
| Wairarapa DHB                    |               | 126           | 14            | 20            | 12            | 78            |
| Waitemata DHB                    | 454           | 494           | 102           | 209           | 207           | 263           |
| West Coast DHB                   | 495           | 680           |               | 538           | 592           | 534           |
| Whanganui DHB                    | 298           | 309           | 547           | 232           | 0             | 0             |
| <b>Grand Total</b>               | <b>49,734</b> | <b>41,544</b> | <b>18,363</b> | <b>13,225</b> | <b>10,709</b> | <b>14,477</b> |

## Appendix 6.2

### Number on residual waiting lists (not booked, no certainty) by service

| Service            | Q3<br>99/00   | Q4<br>99/00   | Q1<br>00/01   | Q2<br>00/01   | Q3<br>00/01   | Q4<br>00/01   |
|--------------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Audiology          |               | 115           | 98            | 72            | 78            | 58            |
| Cardiology         | 394           | 466           | 6             | 12            | 18            | 71            |
| Cardiothoracic     | 695           | 709           | 173           | 432           | 187           | 212           |
| Dental             | 933           | 787           | 457           | 456           | 382           | 574           |
| Endoscopy          | 2,632         | 2,839         | 1,485         | 1,129         | 963           | 1,135         |
| ENT                | 6,182         | 4,993         | 2,292         | 1,004         | 1,132         | 1,315         |
| Fertility          |               |               |               |               | 96            | 522           |
| Gastro             | 1,202         | 824           | 39            | 114           | 46            | 246           |
| General Medicine   | 251           | 579           | 314           | 517           | 544           | 548           |
| General Surgery    | 11,780        | 9,809         | 4,834         | 3,312         | 2,681         | 2,577         |
| Gynaecology        | 4,329         | 3,615         | 1,487         | 1,011         | 979           | 980           |
| Neurosurgery       | 362           | 265           | 163           | 174           | 19            | 21            |
| Ophthalmology      | 6,156         | 4,247         | 1,754         | 786           | 470           | 1,717         |
| Oral Maxillo       | 143           | 105           | 73            | 39            | 0             | 0             |
| Orthopaedics       | 8,717         | 7,614         | 3,081         | 2,360         | 1,889         | 2,781         |
| Paed Medicine      | 3             | 1             | 3             | 1             | 1             | 1             |
| Paed Surgery       | 216           | 135           | 65            | 17            | 28            | 45            |
| Paed Urology       | 0             | 7             | 0             | 0             | 0             | 0             |
| Pain               | 0             | 6             | 8             | 10            | 5             | 0             |
| Plastics           | 2,989         | 2,386         | 678           | 646           | 549           | 1,140         |
| Renal Medicine     | 1             | 3             | 1             | 3             | 3             | 51            |
| Respiratory        | 32            | 44            | 7             | 7             | 7             | 6             |
| Thoracic           | 47            | 48            | 4             | 8             | 7             | 8             |
| Urology            | 2,277         | 1,671         | 1,276         | 1,115         | 625           | 469           |
| Vascular           | 393           | 276           | 65            | 0             | 0             | 0             |
| <b>Grand Total</b> | <b>49,734</b> | <b>41,544</b> | <b>18,363</b> | <b>13,225</b> | <b>10,709</b> | <b>14,477</b> |

## Appendix 7.1

### Number of patients waiting greater than six months for treatment by provider

| Provider                             | Q3<br>99/00   | Q4<br>99/00   | Q1<br>00/01   | Q2<br>00/01   | Q3<br>00/01   | Q4<br>00/01   |
|--------------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Ashburton                            | 467           | 460           | 425           | 446           | 407           | 240           |
| Auckland Hospital                    | 3,768         | 2,092         | 476           | 356           | 0             | 0             |
| Bay of Plenty DHB<br>Tauranga        | 1,773         | 1,357         | 1,270         | 1,463         | 1,749         | 1,562         |
| Bay of Plenty DHB<br>Whakatane       | 252           | 239           | 307           | 377           | 424           | 375           |
| Canterbury DHB                       | 6,231         | 5,456         | 3,101         | 1,398         | 2,297         | 2,624         |
| Capital and Coast DHB                | 941           | 250           | 625           | 374           | 797           | 506           |
| Counties Manukau DHB                 | 4,290         | 3,504         | 4,187         | 3,608         | 4,475         | 4,379         |
| Fertility Associates<br>Auckland     |               |               |               |               | 96            |               |
| Green Lane                           | 123           | 143           | 140           | 138           | 0             | 1             |
| Hawkes Bay DHB                       | 1,474         | 1,391         | 1,340         | 1,484         | 1,694         | 1,757         |
| HSSL                                 | 127           | 104           | 97            |               | 109           | 113           |
| Hutt DHB                             | 275           | 413           | 372           | 268           | 292           | 430           |
| Lakes DHB Rotorua                    | 226           | 191           | 0             | 20            |               | 298           |
| Lakes DHB Taupo                      | 3             | 16            |               |               |               | 41            |
| Midcentral DHB                       | 783           | 595           | 463           | 526           | 552           | 509           |
| National Womens                      | 32            | 0             | 6             | 0             | 0             | 0             |
| Nelson Marlborough DHB<br>Nelson     | 819           | 918           | 431           | 137           | 122           | 129           |
| Nelson Marlborough DHB<br>Wairau     | 341           | 294           | 314           | 98            | 4             | 6             |
| Northland DHB                        | 2,627         | 2,207         |               | 870           | 913           | 1,678         |
| Otago DHB                            | 1,908         | 1,532         | 322           | 358           | 357           | 225           |
| Queen Elizabeth                      | 173           | 2             | 24            | 35            | 61            | 25            |
| South Canterbury DHB                 | 1,190         | 1,221         | 1,138         | 1,068         | 501           | 0             |
| Southland DHB                        | 763           | 612           | 423           | 505           | 419           | 426           |
| Starship                             | 36            | 0             | 0             | 0             | 0             | 0             |
| Tairāwhiti DHB                       | 722           | 763           | 757           | 776           | 757           | 753           |
| Taranaki DHB                         | 378           | 223           | 280           | 61            | 26            | 40            |
| The Fertility Centre<br>Christchurch |               |               |               |               |               | 119           |
| Venturo                              | 11            | 15            | 8             | 29            | 24            | 16            |
| Waikato DHB                          | 6,576         | 3,898         |               |               | 0             | 0             |
| Wairarapa DHB                        |               | 48            | 203           | 195           | 184           | 68            |
| Waitemata DHB                        | 516           | 613           |               | 0             |               | 796           |
| West Coast DHB                       | 228           | 313           | 257           | 165           | 208           | 190           |
| Whanganui DHB                        | 137           | 157           | 199           | 79            | 0             | 0             |
| <b>Grand Total</b>                   | <b>37,190</b> | <b>29,027</b> | <b>17,165</b> | <b>14,834</b> | <b>16,468</b> | <b>17,306</b> |

## Appendix 7.2

### Number of patients waiting greater than six months for treatment by service

| Services           | Q3<br>99/00   | Q4<br>99/00   | Q1<br>00/01   | Q2<br>00/01   | Q3<br>00/01   | Q4<br>00/01   |
|--------------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Audiology          |               | 66            | 35            | 42            | 31            | 7             |
| Cardiology         | 266           | 319           | 152           | 89            | 76            | 54            |
| Cardiothoracic     | 416           | 398           | 242           | 143           | 120           | 129           |
| Dental             | 440           | 299           | 386           | 395           | 352           | 381           |
| Dermatology        | 0             | 0             | 0             | 0             | 0             | 0             |
| Diabetes           | 0             |               | 0             | 0             | 0             | 0             |
| Endocrinology      | 0             | 0             | 0             | 0             | 0             | 0             |
| Endoscopy          | 1,522         | 1,471         | 576           | 347           | 596           | 755           |
| ENT                | 4,518         | 3,421         | 1,948         | 1,753         | 1,526         | 1,829         |
| Fertility          |               |               |               |               | 96            | 119           |
| Gastro             | 801           | 381           | 1,116         | 725           | 1,016         | 907           |
| General Medicine   | 199           | 262           | 215           | 261           | 618           | 440           |
| General Surgery    | 9,103         | 7,450         | 4,600         | 3,928         | 3,589         | 4,027         |
| Gynaecology        | 2,931         | 2,401         | 1,678         | 1,273         | 2,065         | 2,195         |
| Haematology        | 0             | 0             | 0             | 0             | 0             | 0             |
| Infect Diseases    | 0             | 0             | 0             | 0             | 0             | 0             |
| Neurology          | 0             | 0             | 0             | 0             | 130           | 0             |
| Neurosurgery       | 245           | 183           | 41            | 41            | 32            | 29            |
| Oncology           | 0             | 0             | 0             | 0             | 0             | 0             |
| Ophthalmology      | 4,453         | 2,754         | 1,352         | 1,381         | 1,682         | 1,434         |
| Oral Maxillo       | 103           | 110           | 100           | 74            | 51            | 44            |
| Orthopaedics       | 7,658         | 6,416         | 2,969         | 2,723         | 2,780         | 3,233         |
| Paed Medicine      | 1             | 1             | 1             | 1             | 1             | 1             |
| Paed Surgery       | 75            | 42            | 20            | 30            | 27            | 19            |
| Paed Urology       | 0             | 8             |               |               | 0             |               |
| Pain               | 0             | 1             | 1             | 6             | 12            | 10            |
| Plastics           | 2,124         | 1,640         | 999           | 817           | 845           | 827           |
| Renal Medicine     | 14            | 11            | 7             | 8             | 3             | 1             |
| Respiratory        | 26            | 21            | 26            | 4             | 8             | 1             |
| Rheumatology       | 0             | 0             | 0             | 0             | 0             | 0             |
| Thoracic           | 32            | 35            | 3             | 6             | 6             | 5             |
| Urology            | 1,935         | 1,206         | 671           | 782           | 800           | 851           |
| Vascular           | 328           | 131           | 27            | 5             | 6             | 8             |
| <b>Grand Total</b> | <b>37,190</b> | <b>29,027</b> | <b>17,165</b> | <b>14,834</b> | <b>16,468</b> | <b>17,306</b> |

## Appendix 8.1

### Number of patients waiting greater than two years for treatment by provider

| Provider                         | Q3<br>99/00   | Q4<br>99/00   | Q1<br>00/01  | Q2<br>00/01  | Q3<br>00/01  | Q4<br>00/01  |
|----------------------------------|---------------|---------------|--------------|--------------|--------------|--------------|
| Ashburton                        | 96            | 127           | 194          | 229          | 177          | 96           |
| Auckland Hospital                | 1,855         | 847           | 398          | 350          | 0            | 0            |
| Bay of Plenty DHB<br>Tauranga    | 472           | 372           | 374          | 391          | 449          | 298          |
| Bay of Plenty DHB<br>Whakatane   | 96            | 90            | 103          | 112          | 113          | 117          |
| Canterbury DHB                   | 2,777         | 2,700         | 1,213        | 412          | 621          | 681          |
| Capital and Coast DHB            | 93            | 30            | 42           | 19           | 33           | 18           |
| Counties Manukau DHB             | 1,295         | 1,159         | 1,429        | 1,057        | 1,372        | 1,301        |
| Green Lane                       | 1             | 0             | 2            | 1            | 0            | 0            |
| Hawkes Bay DHB                   | 505           | 446           | 424          | 438          | 446          | 439          |
| HSSL                             | 60            | 63            | 67           |              | 72           | 76           |
| Hutt DHB                         | 63            | 66            | 67           | 21           | 22           | 134          |
| Lakes DHB Rotorua                | 7             | 15            | 0            | 2            |              | 8            |
| Lakes DHB Taupo                  | 0             | 0             |              |              |              | 4            |
| Midcentral DHB                   | 121           | 61            | 30           | 32           | 24           | 24           |
| National Womens                  | 0             | 0             | 0            | 0            | 0            | 0            |
| Nelson Marlborough DHB<br>Nelson | 437           | 475           | 210          | 38           | 36           | 45           |
| Nelson Marlborough DHB<br>Wairau | 95            | 84            | 94           | 10           | 1            | 1            |
| Northland DHB                    | 784           | 624           | 333          | 333          | 311          | 398          |
| Otago DHB                        | 813           | 795           | 0            | 0            | 45           | 27           |
| Queen Elizabeth                  | 36            | 0             | 0            | 0            | 0            | 0            |
| South Canterbury DHB             | 630           | 646           | 637          | 670          | 296          | 0            |
| Southland DHB                    | 510           | 210           | 32           | 17           | 20           | 13           |
| Starship                         | 15            | 0             | 0            | 0            | 0            | 0            |
| Tairāwhiti DHB                   | 313           | 352           | 347          | 338          | 342          | 353          |
| Taranaki DHB                     | 45            | 36            | 62           | 10           | 5            | 8            |
| Venturo                          | 0             |               | 0            | 0            | 0            | 132          |
| Waikato DHB                      | 3,026         | 1,134         |              |              | 0            | 0            |
| Wairarapa DHB                    |               |               | 16           | 14           | 14           | 13           |
| Waitemata DHB                    | 86            | 69            |              | 0            |              | 0            |
| West Coast DHB                   | 32            | 46            | 2            | 2            | 7            | 6            |
| Whanganui DHB                    | 59            | 69            | 55           | 16           | 0            | 0            |
| <b>Grand Total</b>               | <b>14,322</b> | <b>10,516</b> | <b>6,131</b> | <b>4,512</b> | <b>4,406</b> | <b>4,192</b> |

## Appendix 8.2

### Number of patients waiting greater than two years for treatment by service

| Service            | Q3<br>99/00   | Q4<br>99/00   | Q1<br>00/01  | Q2<br>00/01  | Q3<br>00/01  | Q4<br>00/01  |
|--------------------|---------------|---------------|--------------|--------------|--------------|--------------|
| Audiology          |               | 18            | 9            | 9            | 9            | 0            |
| Cardiology         | 74            | 81            | 10           | 8            | 4            | 2            |
| Cardiothoracic     | 74            | 74            | 69           | 4            | 73           | 78           |
| Dental             | 146           | 36            | 44           | 49           | 45           | 42           |
| Endoscopy          | 306           | 284           | 108          | 67           | 238          | 262          |
| ENT                | 2,028         | 1,409         | 929          | 605          | 420          | 390          |
| Fertility          |               |               |              |              | 0            | 132          |
| Gastro             | 139           | 52            | 264          | 47           | 275          | 231          |
| General Medicine   | 60            | 60            | 54           | 70           | 82           | 176          |
| General Surgery    | 3,874         | 3,014         | 2,013        | 1,525        | 1,339        | 1,098        |
| Gynaecology        | 778           | 700           | 282          | 99           | 248          | 257          |
| Neurology          | 0             | 0             | 0            | 0            | 9            | 0            |
| Neurosurgery       | 94            | 62            | 34           | 34           | 2            | 1            |
| Ophthalmology      | 1,352         | 709           | 434          | 437          | 466          | 162          |
| Oral Maxillo       | 5             | 8             | 4            | 7            | 4            | 3            |
| Orthopaedics       | 3,364         | 2,906         | 1,159        | 989          | 752          | 961          |
| Paed Medicine      | 0             | 0             | 0            | 0            | 0            | 0            |
| Paed Surgery       | 8             | 3             | 2            | 2            | 1            | 0            |
| Paed Urology       | 0             | 5             | 0            | 0            | 0            | 0            |
| Plastics           | 980           | 575           | 415          | 268          | 312          | 258          |
| Respiratory        | 4             | 2             | 10           | 0            | 0            | 0            |
| Thoracic           | 13            | 19            | 0            | 3            | 2            | 2            |
| Urology            | 887           | 467           | 291          | 289          | 125          | 136          |
| Vascular           | 136           | 32            | 0            | 0            | 0            | 1            |
| <b>Grand Total</b> | <b>14,322</b> | <b>10,516</b> | <b>6,131</b> | <b>4,512</b> | <b>4,406</b> | <b>4,192</b> |

## Appendix 9

### Number of patients for planned and staged procedures by provider and service

| Provider                         | Q4<br>00/01   | Service                         | Q4<br>00/01   |
|----------------------------------|---------------|---------------------------------|---------------|
| Ashburton                        | 1             | Cardiology                      | 152           |
| Auckland Hospital                | 238           | Cardiothoracic                  | 149           |
| Bay of Plenty DHB<br>Tauranga    | 626           | Dental                          | 214           |
| Bay of Plenty DHB<br>Whakatane   | 30            | Endoscopy                       | 2,714         |
| Canterbury DHB                   | 1,433         | ENT                             | 557           |
| Capital Coast DHB                | 2,099         | Fertility                       | 40            |
| Counties Manukau DHB             | 1,057         | Gastro                          | 2,290         |
| Fertility Associates<br>Auckland | 36            | General Medicine<br>(Endoscopy) | 448           |
| Fertility Associates<br>Hamilton | 0             | General Surgery                 | 1,068         |
| Fertility Plus AHL               | 4             | Gynaecology                     | 458           |
| Green Lane                       | 21            | Neurosurgery                    | 29            |
| Hawkes Bay DHB                   | 179           | Ophthalmology                   | 596           |
| Hutt DHB                         | 483           | Oral Maxillo                    | 37            |
| Lakes DHB Rotorua                | 254           | Orthopaedics                    | 511           |
| Lakes DHB Taupo                  | 28            | Paed Surgery                    | 228           |
| Midcentral DHB                   | 18            | Paed Urology                    |               |
| National Womens                  | 0             | Plastics                        | 407           |
| Nelson Marlborough DHB<br>Nelson | 33            | Thoracic                        | 1             |
| Nelson Marlborough DHB<br>Wairau | 5             | Urology                         | 361           |
| Northland DHB                    | 474           | Vascular                        | 60            |
| Otago DHB                        | 24            |                                 |               |
| Queen Elizabeth                  | 0             |                                 |               |
| South Canterbury DHB             | 0             |                                 |               |
| Southland DHB                    | 124           |                                 |               |
| Starship                         | 98            |                                 |               |
| Tairāwhiti DHB                   | 131           |                                 |               |
| Taranaki DHB                     | 622           |                                 |               |
| Venturo                          |               |                                 |               |
| Waikato DHB                      | 1,639         |                                 |               |
| Wairarapa DHB                    | 7             |                                 |               |
| Waitemata DHB                    |               |                                 |               |
| West Coast DHB                   | 140           |                                 |               |
| Whanganui DHB                    | 516           |                                 |               |
| <b>Grand Total</b>               | <b>10,320</b> | <b>Grand Total</b>              | <b>10,320</b> |

## Appendix 10.1

### Number of patients in active review by provider

| Provider                             | Q3<br>99/00  | Q4<br>99/00  | Q1<br>00/01   | Q2<br>00/01   | Q3<br>00/01   | Q4<br>00/01   |
|--------------------------------------|--------------|--------------|---------------|---------------|---------------|---------------|
| Ashburton                            | 0            | 0            | 0             |               | 298           | 278           |
| Auckland Hospital                    | 457          | 0            | 289           | 224           | 1,349         | 1,194         |
| Bay of Plenty DHB<br>Tauranga        | 157          | 138          | 2,917         | 3,329         | 3,639         | 3,614         |
| Bay of Plenty DHB<br>Whakatane       |              | 0            | 780           | 305           | 408           | 503           |
| Canterbury DHB                       | 0            | 0            | 3,518         | 4,564         | 3,285         | 3,858         |
| Capital and Coast DHB                |              |              | 1,103         | 1,275         | 1,765         | 1,010         |
| Counties Manukau DHB                 | 230          | 596          | 121           | 183           | 855           | 1,911         |
| Fertility Associates<br>Auckland     |              |              |               |               |               | 121           |
| Fertility Associates<br>Hamilton     |              |              |               |               |               | 20            |
| Fertility Associates<br>Wellington   |              |              |               |               |               | 95            |
| Fertility Plus AHL                   |              |              |               | 18            | 1             | 38            |
| Green Lane                           | 0            | 268          | 0             | 0             | 312           | 338           |
| Hawkes Bay DHB                       |              | 133          | 1,702         | 1,252         | 1,096         | 728           |
| Hutt DHB                             | 0            | 8            | 124           | 58            | 55            |               |
| Lakes DHB Rotorua                    | 20           | 0            | 82            | 840           | 4             | 19            |
| Lakes DHB Taupo                      | 0            | 0            |               |               | 0             |               |
| Midcentral DHB                       |              | 113          | 109           | 123           | 122           | 78            |
| National Womens                      | 32           | 31           | 23            | 22            | 31            | 16            |
| Nelson Marlborough DHB<br>Nelson     | 193          | 155          | 495           | 1,080         | 986           | 984           |
| Nelson Marlborough DHB<br>Wairau     | 122          | 97           | 20            | 587           | 611           | 590           |
| Northland DHB                        |              |              | 279           | 1,744         | 3,059         | 2,532         |
| Otago DHB                            |              | 168          | 1,502         | 1,443         | 652           | 673           |
| Queen Elizabeth                      | 0            | 95           | 151           | 156           | 135           | 109           |
| South Canterbury DHB                 |              |              | 60            | 116           | 24            | 13            |
| Southland DHB                        |              |              | 0             | 720           | 471           | 502           |
| Starship                             | 165          | 193          | 33            | 181           | 134           | 131           |
| Taranaki DHB                         | 0            | 0            | 0             | 0             | 50            | 40            |
| The Fertility Centre<br>Christchurch |              |              |               |               |               | 191           |
| Venturo                              | 0            |              | 0             | 0             | 0             |               |
| Waikato DHB                          |              |              | 5,270         | 5,779         | 5,758         | 5,579         |
| Wairarapa                            |              |              |               |               |               | 168           |
| Waitemata DHB                        | 23           | 0            |               | 3             |               | 6             |
| West Coast DHB                       |              |              |               | 257           | 241           | 231           |
| Whanganui DHB                        |              |              | 136           | 171           | 99            | 97            |
| <b>Grand Total</b>                   | <b>1,399</b> | <b>1,995</b> | <b>18,714</b> | <b>24,430</b> | <b>25,440</b> | <b>25,667</b> |

## Appendix 10.2

### Number of patients in active review by service

| Service            | Q3<br>99/00  | Q4<br>99/00  | Q1<br>00/01   | Q2<br>00/01   | Q3<br>00/01   | Q4<br>00/01   |
|--------------------|--------------|--------------|---------------|---------------|---------------|---------------|
| Cardiology         | 12           | 0            | 326           | 312           | 287           | 300           |
| Cardiothoracic     | 0            | 268          | 374           | 310           | 538           | 473           |
| Dental             | 1            | 1            | 296           | 630           | 527           | 581           |
| Endoscopy          | 0            | 0            | 360           | 431           | 393           | 619           |
| ENT                | 120          | 280          | 2,973         | 3,995         | 3,351         | 3,433         |
| Fertility          |              |              |               | 18            | 1             | 465           |
| Gastro             | 18           | 46           | 424           | 577           | 887           | 716           |
| General Medicine   | 0            | 0            | 254           | 205           | 840           | 35            |
| General Surgery    | 193          | 262          | 4,097         | 5,804         | 5,429         | 5,648         |
| Gynaecology        | 111          | 136          | 1,927         | 2,586         | 2,925         | 2,917         |
| Neurology          | 0            | 0            | 0             | 0             | 154           | 0             |
| Neurosurgery       | 0            | 10           | 111           | 127           | 398           | 149           |
| Ophthalmology      | 595          | 169          | 1,712         | 2,174         | 2,759         | 2,679         |
| Oral Maxillo       | 0            |              |               | 42            | 0             | 0             |
| Orthopaedics       | 236          | 493          | 4,021         | 5,006         | 4,492         | 5,224         |
| Paed Surgery       | 42           | 64           | 41            | 120           | 79            | 57            |
| Pain               | 0            | 0            | 7             | 41            | 38            | 48            |
| Plastics           | 23           | 113          | 1,188         | 1,187         | 1,284         | 1,349         |
| Renal              |              |              |               |               |               | 12            |
| Respiratory        | 2            | 0            | 32            | 0             | 0             | 1             |
| Thoracic           | 0            | 0            | 27            | 38            | 40            | 40            |
| Urology            | 46           | 153          | 349           | 583           | 718           | 631           |
| Vascular           |              |              | 195           | 244           | 300           | 290           |
| <b>Grand Total</b> | <b>1,399</b> | <b>1,995</b> | <b>18,714</b> | <b>24,430</b> | <b>25,440</b> | <b>25,667</b> |

## Appendix 11

### Dental outpatients data

| Dental   | Q3<br>99/00 | Q4<br>99/00 | Q1<br>00/01 | Q2<br>00/01 | Q3<br>00/01 | Q4<br>00/01 |
|--|-------------|-------------|-------------|-------------|-------------|-------------|
| No, new referrals                                    | 2,286       | 1321        | 1,623       | 1,404       | 5,626       | 4,464       |
| No. new referrals<br>seen                            | 13,390      | 16,675      | 10,581      | 5,725       | 6,209       | 6,722       |
| No. seen for follow-<br>up                           | 3,852       | 1,138       | 3,746       | 7,494       | 7,354       | 7,357       |
| No. seen within two<br>months of referral            | 2,366       | 1,157       | 1,033       | 800         | 1,030       | 4,228       |
| No. seen within two<br>months of referral            | 2,520       | 1,286       | 1,352       | 1,039       | 1,437       | 4,482       |
| Total number<br>waiting for FSA                      | 1,481       | 997         | 878         | 825         | 1,845       | 1,723       |
| Number waiting for<br>FSA greater than<br>six months | 316         | 275         | 233         | 179         | 780         | 623         |
| Number waiting for<br>FSA greater than 18<br>months  | 8           | 9           | 13          | 14          | 61          | 72          |