

**Clinic Surveillance of
Sexually Transmitted Infections
in New Zealand**

January to March 2010

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by

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**This report is available on the Internet at www.surv.esr.cri.nz
STI data requests may be emailed to survqueries@esr.cri.nz**

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Introduction

The cornerstone of communicable disease surveillance in New Zealand is statutorily-mandated disease notification. However, with the exception of acquired immune deficiency syndrome, the late sequelae of human immunodeficiency virus infection and hepatitis B, sexually transmitted infections (STIs) are not notifiable. Therefore surveillance efforts are based on voluntary provision of data of clinic-based data from sexual health clinics (SHCs), family planning clinics (FPCs) and student and youth health clinics (SYHCs), and microbiologic data from diagnostic laboratories.

Clinic-based surveillance of STIs has traditionally been based on data from specialist SHCs. SHCs provide a free and confidential sexual health service. Although a significant proportion of the general population attend other health care settings for sexual health requirements, SHCs provide the most comprehensive information on the epidemiology of STIs in New Zealand. This is for a number of reasons including the stability of both the number of SHCs across New Zealand and the number of SHCs participating in the surveillance programme, and the availability of ethnicity data.

Since 1998, clinic-based STI surveillance has been progressively expanded to include data from FPCs and SYHCs to provide a more comprehensive picture of the disease burden in New Zealand. FPCs provide sexual and reproductive health services. SYHCs often operate as drop-in centres and provide general and/or specialist health services for students and staff. FPCs and SYHCs charge a variable fee for their services.

The number of cases of STIs reported through the clinic-based surveillance system underestimates the true burden of disease in New Zealand because a substantial percentage of STIs are diagnosed by other health care providers, particularly primary health care practitioners. In 2009, it was estimated that laboratory surveillance reported nearly four times the number of cases of chlamydia and gonorrhoea that were reported by clinic surveillance.

In addition to clinic-based surveillance, laboratory surveillance of gonorrhoea began in the Auckland, Waikato and Bay of Plenty regions in 1998. Laboratory surveillance of chlamydia began in the Waikato and Bay of Plenty regions in 1998 and in the Auckland region in 2001. Since June 2004, efforts have been made to extend STI surveillance to additional laboratories across New Zealand. Improvements to the reporting of laboratory surveillance data were implemented during 2009. Population-based rates of chlamydia and gonorrhoea for many district health boards (DHBs) and estimates of national rates based on the data from these DHBs are now reported. Quarterly reports for laboratory-based STI surveillance are produced separately and are available at www.surv.esr.cri.nz.

This report presents data on chlamydia, gonorrhoea, genital herpes, genital warts, syphilis, non-specific urethritis (NSU), chancroid, granuloma inguinale (GI) and lymphogranuloma venereum (LGV) cases reported in the first quarter (January to March) 2010 from SHCs, FPCs and SYHCs across New Zealand.

Methods

All results and analyses are based on data submitted prior to 11 June 2010. Any data submitted after this date are not included in this report due to time constraints. All results should be regarded as provisional.

Data collection

Clinics record anonymous data on the age, sex and ethnicity of all individuals meeting one or more of the STI surveillance case definitions (see Appendix). Each month clinics send the demographic data of cases and the total number of clinic visits either directly to ESR or via a regional co-ordinator. Data are either entered directly into the national STI surveillance database by ESR staff or entered into a regional surveillance database by a regional co-ordinator. Data from regional STI surveillance databases are sent electronically to ESR each month where they are merged with data on the national STI surveillance database.

STIs currently under clinic surveillance are chlamydia, gonorrhoea, genital herpes, genital warts, syphilis, NSU, chancroid, GI and LGV (see Appendix for case definitions).

Analysis methods

Clinic-based STI surveillance data are stored in a database and were extracted and analysed using Microsoft Access and Excel.

Case numbers

The STIs under surveillance include both probable and confirmed case definitions for chlamydia, gonorrhoea, chancroid, GI and LGV. However, case numbers and clinic visit rates presented in this report related to confirmed cases of these diseases only (unless otherwise stated).

Calculation of rates

Clinic visit infection rates for the quarter were calculated by dividing the total number of confirmed reported cases of each STI by the total number of clinic visits for any reason. This denominator includes all new and follow-up visits made by clinic attendees, whether for sexual or other health reasons. For specialised youth centres (one-stop shops) the denominator does not include non-clinical visits such as career advice and counselling.

Caution should be applied before interpreting rates printed in this report that are based on fewer than five cases, as these are unstable and are an unreliable basis for comparisons. Care should also be exercised when interpreting and comparing rates based on fewer than twenty cases. Consider the absolute number of cases in the categories analysed with rates, because categories with the highest rates may sometimes involve a relatively small proportion of the overall disease burden.

Clinic-based STI surveillance data cannot be used to calculate population rates due to problems with defining clinic catchments, clientele and variation in geographical location.

Data limitations

Clinics participating in STI surveillance are located in cities and some larger rural towns. Most other rural towns and isolated populations have limited or no access to the services offered by SHCs and FPCs and rely on other health care providers. University and polytechnic student health clinics provide services only to those students and staff who attend their institution.

While STIs are diagnosed and treated by a range of primary healthcare providers, including General Practitioners (GPs), SHCs diagnose a substantial proportion of the total number of STIs and their data can provide an alert for changes occurring in the wider population. Data presented for SYHCs in New Zealand may not be representative of all SYHCs because not all provide STI surveillance data and some provide incomplete data.

Valid comparisons between infection rates at different clinic types are not possible due to differences in the range of services provided which affect the denominator (total clinic visits for any reason) used to calculate rates. SHCs provide mainly STI-related sexual health services, FPCs provide mainly non-STI sexual and reproductive health services and SYHCs provide mainly general health services. Those attending SHCs are more likely to have opportunistic STI testing than those attending other clinic types for other reasons. As a result, STI rates at SHCs are higher than STI rates at other clinic types.

Data completeness

Sexual health clinics

In the first quarter (January to March) 2010, 27 SHCs participated in the STI surveillance programme. Of these, 24 clinics submitted STI data by the date required for all three months of the first quarter.

Family planning clinics

In the first quarter (January to March) 2010, 35 FPCs participated in the STI surveillance programme. Of these, 34 clinics submitted STI data by the date required for all three months of the first quarter. FPCs include some outreach clinics based in schools or tertiary institutions, which may have been closed during school holidays.

Student and youth health clinics

In the first quarter (January to March) 2010, 16 SYHCs participated in the STI surveillance programme. Of these, 15 clinics submitted STI data by the date required for all three months of the first quarter. It should be noted that some SYHCs based in schools or tertiary institutions may be closed during holidays.

Overview

Sexual health clinics

In the first quarter (January to March) 2010, SHCs reported 21 035 clinic visits. A total of 1171 cases of chlamydia, 210 cases of gonorrhoea, 208 cases of genital herpes, 729 cases of genital warts, 38 cases of syphilis and 164 cases of NSU (males only) were reported in this quarter. No cases of chancroid, GI or LGV were reported in this quarter.

Family planning clinics

In the first quarter (January to March) 2010, FPCs reported 44 506 clinic visits. A total of 822 cases of chlamydia, 51 cases of gonorrhoea, 52 cases of genital herpes, 100 cases of genital warts, one case of syphilis and one case of NSU (males only) were reported in this quarter. No cases of chancroid, GI or LGV were reported in this quarter.

Student and youth health clinics

In the first quarter (January to March) 2010, SYHCs reported 53 704 clinic visits. A total of 192 cases of chlamydia, 7 cases of gonorrhoea, 14 cases of genital herpes, 44 cases of genital warts, and four cases of NSU (males only) were reported in this quarter. No cases of syphilis, chancroid, GI or LGV were reported in this quarter.

The numbers of cases, clinic visit rate and the rate change between the first quarter (January to March) of 2009 and 2010 for each STI by clinic type are shown in Table 1. Note that because of the large denominator and small number of cases for some STIs, clinic visit rates and rate change may not be reflected in Table 1. Denominator data is given in Table 2.

Table 1. Number of cases, clinic visit rate and rate change between the first quarter of 2009 and 2010, by STI and clinic type

| Clinic type | STI | January to March 2009 | | January to March 2010 | | Clinic visit rate ¹ change ² between quarters |
|-------------|------------------|-----------------------|------------------------------------|-----------------------|------------------------------------|---|
| | | Number of cases | Clinic visit rate ¹ (%) | Number of cases | Clinic visit rate ¹ (%) | |
| SHCs | Chlamydia | 1193 | 5.6 | 1171 | 5.6 | — |
| | Gonorrhoea | 222 | 1.0 | 210 | 1.0 | — |
| | Genital herpes | 224 | 1.1 | 208 | 1.0 | ▼ |
| | Genital warts | 928 | 4.4 | 729 | 3.5 | ▼ |
| | Syphilis | 30 | 0.1 | 38 | 0.2 | ▲ |
| | NSU (males only) | 187 | 2.1 | 164 | 1.9 | ▼ |
| FPCs | Chlamydia | 867 | 1.9 | 822 | 1.8 | ▼ |
| | Gonorrhoea | 55 | 0.1 | 51 | 0.1 | — |
| | Genital herpes | 34 | 0.1 | 52 | 0.1 | — |
| | Genital warts | 136 | 0.3 | 100 | 0.2 | ▼ |
| | Syphilis | 1 | 0.0 | 1 | 0.0 | — |
| | NSU (males only) | 0 | 0.0 | 1 | 0.0 | — |
| SYHCs | Chlamydia | 193 | 0.4 | 192 | 0.4 | — |
| | Gonorrhoea | 10 | 0.0 | 7 | 0.0 | — |
| | Genital herpes | 17 | 0.0 | 14 | 0.0 | — |
| | Genital warts | 57 | 0.1 | 44 | 0.1 | — |
| | Syphilis | 2 | 0.0 | 0 | 0.0 | — |
| | NSU (males only) | 2 | 0.0 | 4 | 0.0 | — |

¹ Clinic visit rate = no. of cases/total no. of clinic visits, expressed as a percentage

² — no change in rate; ▲ rate increase; ▼, rate decrease; comparison of crude rates not tested for significance
Clinic visit rates may be unreliable where fewer than five cases were reported

Clinic Surveillance Data

All clinic data

Table 2. Summary - Number of clinic visits, number of cases and clinic visit rates by STI and clinic type, January to March 2010

| <u>Clinic Type, by area</u> | | <u>Total Clinic Visits¹</u> | <u>Chlamydia</u> | <u>Gonorrhoea</u> | <u>Genital Herpes³</u> | <u>Genital Warts³</u> | <u>Syphilis⁴</u> |
|--------------------------------|-------------------------|--|------------------|-------------------|---------------------------------------|--------------------------------------|-----------------------------|
| North | | | | | | | |
| Sexual Health Clinics | No. | 6744 | 418 | 70 | 85 | 260 | 19 |
| | Rate ² | | 6.2% | 1.0% | 1.3% | 3.9% | 0.3% |
| Family Planning Clinics | No. | 15798 | 265 | 15 | 9 | 23 | 0 |
| | Rate ² | | 1.7% | 0.1% | 0.1% | 0.1% | 0.0% |
| Student & Youth Health Clinics | No. | 5756 | 23 | 1 | 1 | 0 | 0 |
| | Rate ² | | 0.4% | 0.0% | 0.0% | 0.0% | 0.0% |
| Subtotal North | | 28298 | 706 | 86 | 95 | 283 | 19 |
| Midland | | | | | | | |
| Sexual Health Clinics | No. | 5976 | 401 | 65 | 38 | 160 | 1 |
| | Rate ² | | 6.7% | 1.1% | 0.6% | 2.7% | 0.0% |
| Family Planning Clinics | No. | 7714 | 216 | 12 | 6 | 12 | 0 |
| | Rate ² | | 2.8% | 0.2% | 0.1% | 0.2% | 0.0% |
| Student & Youth Health Clinics | No. | 11748 | 11 | 0 | 0 | 2 | 0 |
| | Rate ² | | 0.1% | 0.0% | 0.0% | 0.0% | 0.0% |
| Subtotal Midland | | 25438 | 628 | 77 | 44 | 174 | 1 |
| Central | | | | | | | |
| Sexual Health Clinics | No. | 4752 | 219 | 54 | 43 | 193 | 14 |
| | Rate ² | | 4.6% | 1.1% | 0.9% | 4.1% | 0.3% |
| Family Planning Clinics | No. | 9667 | 203 | 10 | 25 | 32 | 1 |
| | Rate ² | | 2.1% | 0.1% | 0.3% | 0.3% | 0.0% |
| Student & Youth Health Clinics | No. | 16427 | 116 | 4 | 6 | 23 | 0 |
| | Rate ² | | 0.7% | 0.0% | 0.0% | 0.1% | 0.0% |
| Subtotal Central | | 30846 | 538 | 68 | 74 | 248 | 15 |
| South | | | | | | | |
| Sexual Health Clinics | No. | 3563 | 133 | 21 | 42 | 116 | 4 |
| | Rate ² | | 3.7% | 0.6% | 1.2% | 3.3% | 0.1% |
| Family Planning Clinics | No. | 11327 | 138 | 14 | 12 | 33 | 0 |
| | Rate ² | | 1.2% | 0.1% | 0.1% | 0.3% | 0.0% |
| Student & Youth Health Clinics | No. | 19773 | 42 | 2 | 7 | 19 | 0 |
| | Rate ² | | 0.2% | 0.0% | 0.0% | 0.1% | 0.0% |
| Subtotal South | | 34663 | 313 | 37 | 61 | 168 | 4 |
| All regions | | | | | | | |
| Sexual Health Clinics | No. | 21035 | 1 171 | 210 | 208 | 729 | 38 |
| | Rate ² | | 5.6% | 1.0% | 1.0% | 3.5% | 0.2% |
| Family Planning Clinics | No. | 44506 | 822 | 51 | 52 | 100 | 1 |
| | Rate ² | | 1.8% | 0.1% | 0.1% | 0.2% | 0.0% |
| Student & Youth Health Clinics | No. | 53704 | 192 | 7 | 14 | 44 | 0 |
| | Rate ² | | 0.4% | 0.0% | 0.0% | 0.1% | 0.0% |
| Total | No. | 119245 | 2185 | 268 | 274 | 873 | 39 |
| | Rate² | | 1.8% | 0.2% | 0.2% | 0.7% | 0.0% |

¹ Total no. clinic visits = total no. of clinics visits for report period for any reason

² Rate = total no. of cases/total no. of clinic visits, expressed as a percentage

³ First presentation at that clinic

⁴ Infectious syphilis (primary, secondary and early latent)

Clinic visit rates may be unreliable where fewer than five cases were reported

Table 3. Summary - chlamydia site of infection, January to March 2010

| | <i>Confirmed</i> | | | | | | Total ¹ |
|--------------------------------|---------------------------------|----------------|------------------|----------------|------------------|----------------|--------------------|
| | Uncomplicated, lower anogenital | | PID/epididymitis | | Other site | | |
| | No. ² | % ³ | No. ² | % ³ | No. ² | % ³ | |
| Sexual Health Clinics | 1131 | 96.6% | 33 | 2.8% | 7 | 0.6% | 1171 |
| Family Planning Clinics | 795 | 96.6% | 27 | 3.3% | 1 | 0.1% | 823 |
| Student & Youth Health Clinics | 187 | 97.4% | 4 | 2.1% | 1 | 0.5% | 192 |
| Total | 2113 | 96.7% | 64 | 2.9% | 9 | 0.4% | 2 186 |

Table 4. Summary - gonorrhoea site of infection, January to March 2010

| | <i>Confirmed</i> | | | | | | | | | | Total ¹ |
|-------------------------------|-------------------------|----------------|------------------|----------------|----------------------|----------------|------------------|----------------|------------------|----------------|--------------------|
| | Uncomplicated infection | | | | PID/ epididymitis | | Extra-genital | | | | |
| | Urogenital | | Anorectal | | | | Pharynx | | Other site | | |
| | No. ² | % ³ | No. ² | % ³ | No. ² | % ³ | No. ² | % ³ | No. ² | % ³ | No. ² |
| Sexual Health Clinics | 188 | 88.7% | 11 | 5.2% | 3 | 1.4% | 7 | 3.3% | 3 | 1.4% | 212 |
| Family Planning Clinics | 45 | 88.2% | 1 | 2.0% | 5 | 9.8% | 0 | 0.0% | 0 | 0.0% | 51 |
| Student & Youth Health Clinic | 6 | 75.0% | 1 | 12.5% | 0 | 0.0% | 1 | 12.5% | 0 | 0.0% | 8 |
| Total | 239 | 88.2% | 13 | 4.8% | 8 | 3.0% | 8 | 3.0% | 3 | 1.1% | 271 |

¹ Total = total no. of cases by clinic type; note that some cases may be counted more than once if the disease was confirmed at more than one site. Cases where site was not specified are not included.

² No. = no. of cases by site

³ % = no. of cases by site/total no. of cases by clinic type, expressed as a percentage

Sexual health clinic data

Table 5. Chlamydia - number of cases and clinic visit rates at SHCs, January to March 2009 and 2010

| Total clinic visits¹ | | | 2009 Total | | 2010 Total | |
|--|--------------|-----------------------------------|-------------------|-------------------------|-------------------|-------------------------|
| 2009 | 2010 | Clinic | No. | Rate² | No. | Rate² |
| 697 | 811 | Whangarei | 46 | 6.6% | 67 | 8.3% |
| 138 | 163 | Dargaville | 3 | 2.2% | 8 | 4.9% |
| 64 | 109 | Kaikohe | 7 | 10.9% | 7 | 6.4% |
| 5074 | 5661 | Auckland | 255 | 5.0% | 336 | 5.9% |
| 5973 | 6744 | North | 311 | 5.2% | 418 | 6.2% |
| 2438 | 2349 | Hamilton | 174 | 7.1% | 157 | 6.7% |
| 2260 | 883 | Tauranga | 104 | 4.6% | 52 | 5.9% |
| 257 | 107 | Rotorua | 9 | 3.5% | 13 | 12.1% |
| 457 | 367 | Whakatane | 41 | 9.0% | 26 | 7.1% |
| 276 | 1045 | Taupo | 47 | 17.0% | 42 | 4.0% |
| 644 | 540 | New Plymouth | 73 | 11.3% | 66 | 12.2% |
| 0 | 685 | Gisborne | 0 | 0.0% | 45 | 6.6% |
| 6332 | 5976 | Midland | 448 | 7.1% | 401 | 6.7% |
| 212 | 246 | Napier | 31 | 14.6% | 50 | 20.3% |
| 119 | 172 | Hastings | 48 | 40.3% | 36 | 20.9% |
| 273 | 355 | Wanganui | 12 | 4.4% | 13 | 3.7% |
| 942 | 1115 | Palmerston North/Levin/Dannevirke | 66 | 7.0% | 50 | 4.5% |
| 1551 | 1660 | Wellington | 43 | 2.8% | 34 | 2.0% |
| 234 | 203 | Lower Hutt | 6 | 2.6% | 7 | 3.4% |
| 82 | 77 | Porirua | 6 | 7.3% | 6 | 7.8% |
| 446 | 792 | Nelson | 15 | 3.4% | 19 | 2.4% |
| 157 | 132 | Wairau (Blenheim) | 8 | 5.1% | 4 | 3.0% |
| 4016 | 4752 | Central | 235 | 5.9% | 219 | 4.6% |
| 118 | 115 | Greymouth | 10 | 8.5% | 8 | 7.0% |
| 103 | 121 | Westport/Buller | 5 | 4.9% | 12 | 9.9% |
| 3380 | 2010 | Christchurch | 83 | 2.5% | 48 | 2.4% |
| 21 | 10 | Ashburton | 1 | 4.8% | 1 | 10.0% |
| 167 | 159 | Timaru | 20 | 12.0% | 5 | 3.1% |
| 509 | 696 | Dunedin | 24 | 4.7% | 26 | 3.7% |
| 606 | 452 | Invercargill/Gore/Wyndham | 56 | 9.2% | 33 | 7.3% |
| 4904 | 3563 | South | 199 | 4.1% | 133 | 3.7% |
| 21225 | 21035 | Total | 1193 | 5.6% | 1171 | 5.6% |

¹ Total no. clinic visits = total no. of clinic visits for the report period for any reason

² Rate = total no. cases / total no. clinic visits, expressed as a percentage

Clinic visit rates may be unreliable where fewer than five cases were reported

Note: People seek treatment for STIs from a variety of sources, including sexual health clinics, family planning clinics, student and youth health clinics, and general practitioners. The rates in the table above are for the type of clinic indicated, these rates may not be representative of other types of clinics or the general population.

Table 6. Gonorrhoea - number of cases and clinic visit rates at SHCs, January to March 2009 and 2010

| Total clinic visits¹ | | | 2009 Total | | 2010 Total | |
|--|--------------|-----------------------------------|-------------------|-------------------------|-------------------|-------------------------|
| 2009 | 2010 | Clinic | No. | Rate² | No. | Rate² |
| 697 | 811 | Whangarei | 7 | 1.0% | 5 | 0.6% |
| 138 | 163 | Dargaville | 2 | 1.4% | 0 | 0.0% |
| 64 | 109 | Kaikohe | 0 | 0.0% | 0 | 0.0% |
| 5074 | 5661 | Auckland | 47 | 0.9% | 65 | 1.1% |
| 5973 | 6744 | North | 56 | 0.9% | 70 | 1.0% |
| 2438 | 2349 | Hamilton | 28 | 1.1% | 26 | 1.1% |
| 2260 | 883 | Tauranga | 3 | 0.1% | 6 | 0.7% |
| 257 | 107 | Rotorua | 3 | 1.2% | 1 | 0.9% |
| 457 | 367 | Whakatane | 7 | 1.5% | 4 | 1.1% |
| 276 | 1045 | Taupo | 0 | 0.0% | 1 | 0.1% |
| 644 | 540 | New Plymouth | 13 | 2.0% | 4 | 0.7% |
| 0 | 685 | Gisborne | 0 | 0.0% | 23 | 3.4% |
| 6332 | 5976 | Midland | 54 | 0.9% | 65 | 1.1% |
| 212 | 246 | Napier | 10 | 4.7% | 9 | 3.7% |
| 119 | 172 | Hastings | 10 | 8.4% | 8 | 4.7% |
| 273 | 355 | Wanganui | 1 | 0.4% | 3 | 0.8% |
| 942 | 1115 | Palmerston North/Levin/Dannevirke | 8 | 0.8% | 14 | 1.3% |
| 1551 | 1660 | Wellington | 25 | 1.6% | 15 | 0.9% |
| 234 | 203 | Lower Hutt | 3 | 1.3% | 0 | 0.0% |
| 82 | 77 | Porirua | 0 | 0.0% | 0 | 0.0% |
| 446 | 792 | Nelson | 2 | 0.4% | 5 | 0.6% |
| 157 | 132 | Wairau (Blenheim) | 2 | 1.3% | 0 | 0.0% |
| 4016 | 4752 | Central | 61 | 1.5% | 54 | 1.1% |
| 118 | 115 | Greymouth | 2 | 1.7% | 0 | 0.0% |
| 103 | 121 | Westport/Buller | 0 | 0.0% | 0 | 0.0% |
| 3380 | 2010 | Christchurch | 27 | 0.8% | 9 | 0.4% |
| 21 | 10 | Ashburton | 1 | 4.8% | 0 | 0.0% |
| 167 | 159 | Timaru | 7 | 4.2% | 3 | 1.9% |
| 509 | 696 | Dunedin | 0 | 0.0% | 0 | 0.0% |
| 606 | 452 | Invercargill/Gore/Wyndham | 14 | 2.3% | 9 | 2.0% |
| 4904 | 3563 | South | 51 | 1.0% | 21 | 0.6% |
| 21225 | 21035 | Total | 222 | 1.0% | 210 | 1.0% |

¹ Total no. clinic visits = total no. of clinic visits for the report period for any reason

² Rate = total no. cases / total no. clinic visits, expressed as a percentage

Clinic visit rates may be unreliable where fewer than five cases were reported

Note: People seek treatment for STIs from a variety of sources, including sexual health clinics, family planning clinics, student and youth health clinics, and general practitioners. The rates in the table above are for the type of clinic indicated, these rates may not be representative of other types of clinics or the general population.

Table 7. Genital herpes - number of cases and clinic visit rates at SHCs, January to March 2009 and 2010

| <u>Total clinic visits¹</u> | | | <u>2009 Total</u> | | <u>2010 Total</u> | |
|---|--------------------|-----------------------------------|--------------------------|--------------------------------|--------------------------|--------------------------------|
| <u>2009</u> | <u>2010</u> | <u>Clinic</u> | <u>No.</u> | <u>Rate²</u> | <u>No.</u> | <u>Rate²</u> |
| 697 | 811 | Whangarei | 6 | 0.9% | 6 | 0.7% |
| 138 | 163 | Dargaville | 0 | 0.0% | 0 | 0.0% |
| 64 | 109 | Kaikohe | 1 | 1.6% | 0 | 0.0% |
| 5074 | 5661 | Auckland | 56 | 1.1% | 79 | 1.4% |
| 5973 | 6744 | North | 63 | 1.1% | 85 | 1.3% |
| 2438 | 2349 | Hamilton | 19 | 0.8% | 29 | 1.2% |
| 2260 | 883 | Tauranga | 16 | 0.7% | 5 | 0.6% |
| 257 | 107 | Rotorua | 0 | 0.0% | 0 | 0.0% |
| 457 | 367 | Whakatane | 1 | 0.2% | 1 | 0.3% |
| 276 | 1045 | Taupo | 0 | 0.0% | 0 | 0.0% |
| 644 | 540 | New Plymouth | 7 | 1.1% | 3 | 0.6% |
| 0 | 685 | Gisborne | 0 | 0.0% | 0 | 0.0% |
| 6332 | 5976 | Midland | 43 | 0.7% | 38 | 0.6% |
| 212 | 246 | Napier | 4 | 1.9% | 7 | 2.8% |
| 119 | 172 | Hastings | 4 | 3.4% | 0 | 0.0% |
| 273 | 355 | Wanganui | 1 | 0.4% | 3 | 0.8% |
| 942 | 1115 | Palmerston North/Levin/Dannevirke | 9 | 1.0% | 12 | 1.1% |
| 1551 | 1660 | Wellington | 14 | 0.9% | 7 | 0.4% |
| 234 | 203 | Lower Hutt | 6 | 2.6% | 3 | 1.5% |
| 82 | 77 | Porirua | 1 | 1.2% | 0 | 0.0% |
| 446 | 792 | Nelson | 9 | 2.0% | 11 | 1.4% |
| 157 | 132 | Wairau (Blenheim) | 2 | 1.3% | 0 | 0.0% |
| 4016 | 4752 | Central | 50 | 1.2% | 43 | 0.9% |
| 118 | 115 | Greymouth | 4 | 3.4% | 1 | 0.9% |
| 103 | 121 | Westport/Buller | 0 | 0.0% | 4 | 3.3% |
| 3380 | 2010 | Christchurch | 41 | 1.2% | 19 | 0.9% |
| 21 | 10 | Ashburton | 1 | 4.8% | 0 | 0.0% |
| 167 | 159 | Timaru | 1 | 0.6% | 1 | 0.6% |
| 509 | 696 | Dunedin | 6 | 1.2% | 9 | 1.3% |
| 606 | 452 | Invercargill/Gore/Wyndham | 15 | 2.5% | 8 | 1.8% |
| 4904 | 3563 | South | 68 | 1.4% | 42 | 1.2% |
| 21225 | 21035 | Total | 224 | 1.1% | 208 | 1.0% |

¹Total no. clinic visits = total no. of clinic visits for the report period for any reason

²Rate = total no. cases / total no. clinic visits, expressed as a percentage

Clinic visit rates may be unreliable where fewer than five cases were reported

Note: People seek treatment for STIs from a variety of sources, including sexual health clinics, family planning clinics, student and youth health clinics, and general practitioners. The rates in the table above are for the type of clinic indicated, these rates may not be representative of other types of clinics or the general population.

Table 8. Genital warts - number of cases and clinic visit rates at SHCs, January to March 2009 and 2010

| Total clinic visits¹ | | | 2009 Total | | 2010 Total | |
|--|--------------|-----------------------------------|-------------------|-------------------------|-------------------|-------------------------|
| 2009 | 2010 | Clinic | No. | Rate² | No. | Rate² |
| 697 | 811 | Whangarei | 23 | 3.3% | 19 | 2.3% |
| 138 | 163 | Dargaville | 0 | 0.0% | 2 | 1.2% |
| 64 | 109 | Kaikohe | 2 | 3.1% | 0 | 0.0% |
| 5074 | 5661 | Auckland | 243 | 4.8% | 239 | 4.2% |
| 5973 | 6744 | North | 268 | 4.5% | 260 | 3.9% |
| 2438 | 2349 | Hamilton | 116 | 4.8% | 88 | 3.7% |
| 2260 | 883 | Tauranga | 53 | 2.3% | 17 | 1.9% |
| 257 | 107 | Rotorua | 16 | 6.2% | 8 | 7.5% |
| 457 | 367 | Whakatane | 13 | 2.8% | 5 | 1.4% |
| 276 | 1045 | Taupo | 1 | 0.4% | 10 | 1.0% |
| 644 | 540 | New Plymouth | 52 | 8.1% | 32 | 5.9% |
| 0 | 685 | Gisborne | 0 | 0.0% | 0 | 0.0% |
| 6332 | 5976 | Midland | 251 | 4.0% | 160 | 2.7% |
| 212 | 246 | Napier | 19 | 9.0% | 16 | 6.5% |
| 119 | 172 | Hastings | 15 | 12.6% | 11 | 6.4% |
| 273 | 355 | Wanganui | 7 | 2.6% | 1 | 0.3% |
| 942 | 1115 | Palmerston North/Levin/Dannevirke | 31 | 3.3% | 20 | 1.8% |
| 1551 | 1660 | Wellington | 74 | 4.8% | 78 | 4.7% |
| 234 | 203 | Lower Hutt | 23 | 9.8% | 12 | 5.9% |
| 82 | 77 | Porirua | 6 | 7.3% | 12 | 15.6% |
| 446 | 792 | Nelson | 24 | 5.4% | 22 | 2.8% |
| 157 | 132 | Wairau (Blenheim) | 30 | 19.1% | 21 | 15.9% |
| 4016 | 4752 | Central | 229 | 5.7% | 193 | 4.1% |
| 118 | 115 | Greymouth | 5 | 4.2% | 2 | 1.7% |
| 103 | 121 | Westport/Buller | 2 | 1.9% | 5 | 4.1% |
| 3380 | 2010 | Christchurch | 90 | 2.7% | 51 | 2.5% |
| 21 | 10 | Ashburton | 6 | 28.6% | 0 | 0.0% |
| 167 | 159 | Timaru | 10 | 6.0% | 7 | 4.4% |
| 509 | 696 | Dunedin | 29 | 5.7% | 21 | 3.0% |
| 606 | 452 | Invercargill/Gore/Wyndham | 38 | 6.3% | 30 | 6.6% |
| 4904 | 3563 | South | 180 | 3.7% | 116 | 3.3% |
| 21225 | 21035 | Total | 928 | 4.4% | 729 | 3.5% |

¹Total no. clinic visits = total no. of clinic visits for the report period for any reason

²Rate = total no. cases / total no. clinic visits, expressed as a percentage

Clinic visit rates may be unreliable where fewer than five cases were reported

Note: People seek treatment for STIs from a variety of sources, including sexual health clinics, family planning clinics, student and youth health clinics, and general practitioners. The rates in the table above are for the type of clinic indicated, these rates may not be representative of other types of clinics or the general population.

Table 9. Syphilis - number of cases and clinic visit rates at SHCs, January to March 2009 and 2010

| <u>Total clinic visits¹</u> | | | <u>2009 Total</u> | | <u>2010 Total</u> | |
|---|--------------------|-----------------------------------|--------------------------|--------------------------------|--------------------------|--------------------------------|
| <u>2009</u> | <u>2010</u> | <u>Clinic</u> | <u>No.</u> | <u>Rate²</u> | <u>No.</u> | <u>Rate²</u> |
| 697 | 811 | Whangarei | 0 | 0.0% | 0 | 0.0% |
| 138 | 163 | Dargaville | 0 | 0.0% | 0 | 0.0% |
| 64 | 109 | Kaikohe | 0 | 0.0% | 0 | 0.0% |
| 5074 | 5661 | Auckland | 6 | 0.1% | 19 | 0.3% |
| 5973 | 6744 | North | 6 | 0.1% | 19 | 0.3% |
| 2438 | 2349 | Hamilton | 1 | 0.0% | 1 | 0.0% |
| 2260 | 883 | Tauranga | 2 | 0.1% | 0 | 0.0% |
| 257 | 107 | Rotorua | 0 | 0.0% | 0 | 0.0% |
| 457 | 367 | Whakatane | 0 | 0.0% | 0 | 0.0% |
| 276 | 1045 | Taupo | 0 | 0.0% | 0 | 0.0% |
| 644 | 540 | New Plymouth | 0 | 0.0% | 0 | 0.0% |
| 0 | 685 | Gisborne | 0 | 0.0% | 0 | 0.0% |
| 6332 | 5976 | Midland | 3 | 0.0% | 1 | 0.0% |
| 212 | 246 | Napier | 1 | 0.5% | 1 | 0.4% |
| 119 | 172 | Hastings | 1 | 0.8% | 0 | 0.0% |
| 273 | 355 | Wanganui | 0 | 0.0% | 0 | 0.0% |
| 942 | 1115 | Palmerston North/Levin/Dannevirke | 0 | 0.0% | 0 | 0.0% |
| 1551 | 1660 | Wellington | 4 | 0.3% | 8 | 0.5% |
| 234 | 203 | Lower Hutt | 0 | 0.0% | 3 | 1.5% |
| 82 | 77 | Porirua | 1 | 1.2% | 1 | 1.3% |
| 446 | 792 | Nelson | 0 | 0.0% | 1 | 0.1% |
| 157 | 132 | Wairau (Blenheim) | 1 | 0.6% | 0 | 0.0% |
| 4016 | 4752 | Central | 8 | 0.2% | 14 | 0.3% |
| 118 | 115 | Greymouth | 0 | 0.0% | 0 | 0.0% |
| 103 | 121 | Westport/Buller | 0 | 0.0% | 0 | 0.0% |
| 3380 | 2010 | Christchurch | 8 | 0.2% | 3 | 0.1% |
| 21 | 10 | Ashburton | 0 | 0.0% | 0 | 0.0% |
| 167 | 159 | Timaru | 0 | 0.0% | 0 | 0.0% |
| 509 | 696 | Dunedin | 3 | 0.6% | 0 | 0.0% |
| 606 | 452 | Invercargill/Gore/Wyndham | 2 | 0.3% | 1 | 0.2% |
| 4904 | 3563 | South | 13 | 0.3% | 4 | 0.1% |
| 21225 | 21035 | Total | 30 | 0.1% | 38 | 0.2% |

¹ Total no. clinic visits = total no. of clinic visits for the report period for any reason

² Rate = total no. cases / total no. clinic visits, expressed as a percentage

Clinic visit rates may be unreliable where fewer than five cases were reported

Note: People seek treatment for STIs from a variety of sources, including sexual health clinics, family planning clinics, student and youth health clinics, and general practitioners. The rates in the table above are for the type of clinic indicated, these rates may not be representative of other types of clinics or the general population.

Table 10. NSU (males only) - number of cases and clinic visit rates at SHCs, January to March 2009 and 2010

| Total clinic visits¹ | | | 2009 Total | | 2010 Total | |
|--|-------------|-----------------------------------|-------------------|-------------------------|-------------------|-------------------------|
| 2009 | 2010 | Clinic | No. | Rate² | No. | Rate² |
| 208 | 223 | Whangarei | 0 | 0.0% | 0 | 0.0% |
| 5 | 5 | Dargaville | 0 | 0.0% | 0 | 0.0% |
| 6 | 9 | Kaikohe | 0 | 0.0% | 0 | 0.0% |
| 2510 | 2681 | Auckland | 82 | 3.3% | 94 | 3.5% |
| 2729 | 2918 | North | 82 | 3.0% | 94 | 3.2% |
| 1033 | 1015 | Hamilton | 17 | 1.6% | 15 | 1.5% |
| 431 | 197 | Tauranga | 10 | 2.3% | 5 | 2.5% |
| 123 | 56 | Rotorua | 0 | 0.0% | 0 | 0.0% |
| 57 | 34 | Whakatane | 1 | 1.8% | 0 | 0.0% |
| 66 | 88 | Taupo | 0 | 0.0% | 0 | 0.0% |
| 283 | 234 | New Plymouth | 16 | 5.7% | 8 | 3.4% |
| 0 | 124 | Gisborne | 0 | 0.0% | 0 | 0.0% |
| 1993 | 1748 | Midland | 44 | 2.2% | 28 | 1.6% |
| 49 | 43 | Napier | 0 | 0.0% | 1 | 2.3% |
| 23 | 41 | Hastings | 0 | 0.0% | 0 | 0.0% |
| 110 | 139 | Wanganui | 0 | 0.0% | 0 | 0.0% |
| 383 | 505 | Palmerston North/Levin/Dannevirke | 10 | 2.6% | 6 | 1.2% |
| 859 | 924 | Wellington | 7 | 0.8% | 12 | 1.3% |
| 128 | 109 | Lower Hutt | 0 | 0.0% | 2 | 1.8% |
| 38 | 52 | Porirua | 0 | 0.0% | 1 | 1.9% |
| 244 | 327 | Nelson | 9 | 3.7% | 1 | 0.3% |
| 83 | 87 | Wairau (Blenheim) | 0 | 0.0% | 0 | 0.0% |
| 1917 | 2227 | Central | 26 | 1.4% | 23 | 1.0% |
| 45 | 36 | Greymouth | 0 | 0.0% | 0 | 0.0% |
| 26 | 21 | Westport/Buller | 1 | 3.8% | 0 | 0.0% |
| 1758 | 1037 | Christchurch | 26 | 1.5% | 12 | 1.2% |
| 4 | 5 | Ashburton | 0 | 0.0% | 0 | 0.0% |
| 86 | 63 | Timaru | 0 | 0.0% | 0 | 0.0% |
| 174 | 266 | Dunedin | 4 | 2.3% | 2 | 0.8% |
| 295 | 218 | Invercargill/Gore/Wyndham | 4 | 1.4% | 5 | 2.3% |
| 2388 | 1646 | South | 35 | 1.5% | 19 | 1.2% |
| 9027 | 8539 | Total | 187 | 2.1% | 164 | 1.9% |

¹ Total no. clinic visits = total no. of clinic visits for the report period for any reason

² Rate = total no. cases / total no. clinic visits, expressed as a percentage

Clinic visit rates may be unreliable where fewer than five cases were reported

Note: People seek treatment for STIs from a variety of sources, including sexual health clinics, family planning clinics, student and youth health clinics, and general practitioners. The rates in the table above are for the type of clinic indicated, these rates may not be representative of other types of clinics or the general population.

Table 11. Number of cases and clinic visit rates¹ for each STI by age, sex and ethnicity at SHCs, January to March 2010

| | | Age group (years) | | | | | | | | | |
|--------------------------|-----------------|-------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| | | <15 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | >44 | Unk | Total |
| <i>Chlamydia</i> | | | | | | | | | | | |
| Males | European/Pakeha | 0 | 36 | 100 | 74 | 15 | 13 | 11 | 12 | 0 | 261 |
| | | 0.0 | 6.8 | 6.6 | 7.0 | 2.2 | 2.1 | 2.5 | 1.3 | 0.0 | 4.5 |
| | Maori | 3 | 44 | 63 | 20 | 14 | 7 | 3 | 1 | 0 | 155 |
| | | 23.1 | 20.9 | 17.0 | 8.6 | 10.6 | 6.1 | 6.1 | 1.1 | 0.0 | 12.8 |
| | Pacific Peoples | 0 | 14 | 35 | 12 | 6 | 2 | 2 | 1 | 0 | 72 |
| | | 0.0 | 27.5 | 23.3 | 12.8 | 11.3 | 4.9 | 6.9 | 2.4 | - | 15.7 |
| | Other | 0 | 2 | 17 | 9 | 2 | 2 | 1 | 2 | 0 | 35 |
| | | 0.0 | 4.5 | 12.1 | 4.1 | 1.5 | 2.2 | 1.2 | 2.0 | 0.0 | 4.3 |
| | Unknown | 0 | 4 | 0 | 2 | 0 | 3 | 0 | 2 | 0 | 11 |
| | | 0.0 | 26.7 | 0.0 | 7.1 | 0.0 | 11.1 | 0.0 | 2.6 | - | 4.7 |
| | Total | 3 | 100 | 215 | 117 | 37 | 27 | 17 | 18 | 0 | 534 |
| | 12.5 | 11.8 | 9.7 | 7.2 | 3.5 | 3.0 | 2.8 | 1.4 | 0.0 | 6.3 | |
| Females | European/Pakeha | 5 | 89 | 80 | 33 | 15 | 3 | 2 | 2 | 0 | 229 |
| | | 5.1 | 4.5 | 3.8 | 3.1 | 2.1 | 0.5 | 0.6 | 0.4 | 0.0 | 3.1 |
| | Maori | 9 | 156 | 88 | 34 | 14 | 6 | 1 | 3 | 1 | 312 |
| | | 9.3 | 12.6 | 9.0 | 7.3 | 5.8 | 3.7 | 1.1 | 2.6 | 11.1 | 9.2 |
| | Pacific Peoples | 1 | 21 | 22 | 12 | 4 | 1 | 1 | 1 | 0 | 63 |
| | | 33.3 | 15.4 | 12.5 | 11.5 | 6.2 | 2.7 | 3.7 | 3.7 | - | 11.0 |
| | Other | 0 | 4 | 10 | 3 | 3 | 1 | 0 | 3 | 0 | 24 |
| | | 0.0 | 2.9 | 4.1 | 1.4 | 2.0 | 1.1 | 0.0 | 2.8 | - | 2.4 |
| | Unknown | 0 | 3 | 2 | 0 | 3 | 0 | 0 | 0 | 0 | 8 |
| | | 0.0 | 12.0 | 4.0 | 0.0 | 15.0 | 0.0 | 0.0 | 0.0 | - | 5.1 |
| | Total | 15 | 273 | 202 | 82 | 39 | 11 | 4 | 9 | 1 | 636 |
| | 7.5 | 7.8 | 5.7 | 4.4 | 3.3 | 1.3 | 0.8 | 1.2 | 6.3 | 5.1 | |
| <i>Gonorrhoea</i> | | | | | | | | | | | |
| Males | European/Pakeha | 0 | 6 | 15 | 9 | 6 | 5 | 1 | 10 | 0 | 52 |
| | | 0.0 | 1.1 | 1.0 | 0.9 | 0.9 | 0.8 | 0.2 | 1.1 | 0.0 | 0.9 |
| | Maori | 3 | 21 | 21 | 8 | 3 | 2 | 0 | 2 | 0 | 60 |
| | | 23.1 | 10.0 | 5.7 | 3.4 | 2.3 | 1.8 | 0.0 | 2.3 | 0.0 | 4.9 |
| | Pacific Peoples | 0 | 2 | 11 | 3 | 0 | 2 | 0 | 0 | 0 | 18 |
| | | 0.0 | 3.9 | 7.3 | 3.2 | 0.0 | 4.9 | 0.0 | 0.0 | - | 3.9 |
| | Other | 0 | 1 | 4 | 1 | 0 | 1 | 0 | 0 | 0 | 7 |
| | | 0.0 | 2.3 | 2.8 | 0.5 | 0.0 | 1.1 | 0.0 | 0.0 | 0.0 | 0.9 |
| | Unknown | 0 | 3 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 5 |
| | | 0.0 | 20.0 | 0.0 | 3.6 | 0.0 | 0.0 | 0.0 | 1.3 | - | 2.1 |
| | Total | 3 | 33 | 51 | 22 | 9 | 10 | 1 | 13 | 0 | 142 |
| | 12.5 | 3.9 | 2.3 | 1.3 | 0.9 | 1.1 | 0.2 | 1.0 | 0.0 | 1.7 | |
| Females | European/Pakeha | 0 | 6 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 16 |
| | | 0.0 | 0.3 | 0.2 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 |
| | Maori | 2 | 13 | 13 | 6 | 4 | 0 | 0 | 0 | 0 | 38 |
| | | 2.1 | 1.0 | 1.3 | 1.3 | 1.7 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 |
| | Pacific Peoples | 0 | 2 | 6 | 3 | 1 | 1 | 0 | 0 | 0 | 13 |
| | | 0.0 | 1.5 | 3.4 | 2.9 | 1.5 | 2.7 | 0.0 | 0.0 | - | 2.3 |
| | Unknown | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | 0.0 | 0.0 | 2.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 0.6 |
| | Total | 2 | 21 | 25 | 14 | 5 | 1 | 0 | 0 | 0 | 68 |
| | | 1.0 | 0.6 | 0.8 | 0.8 | 0.5 | 0.1 | 0.0 | 0.0 | 0.0 | 0.6 |

¹ Rate = total no. of cases/total no. of visits, expressed as a percentage
Clinic visit rates may be unreliable where fewer than five cases were reported

| | | Age group (years) | | | | | | | | | |
|---|-----------------|-------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| | | <15 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | >44 | Unk | Total |
| <i>Genital Herpes (first presentation)</i> | | | | | | | | | | | |
| Males | European/Pakeha | 0 | 7 | 23 | 14 | 7 | 7 | 2 | 13 | 0 | 73 |
| | | 0.0 | 1.3 | 1.5 | 1.3 | 1.0 | 1.1 | 0.5 | 1.4 | 0.0 | 1.3 |
| | Maori | 0 | 1 | 3 | 3 | 3 | 1 | 0 | 0 | 0 | 11 |
| | | 0.0 | 0.5 | 0.8 | 1.3 | 2.3 | 0.9 | 0.0 | 0.0 | 0.0 | 0.9 |
| | Pacific Peoples | 0 | 0 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 4 |
| | | 0.0 | 0.0 | 1.3 | 1.1 | 1.9 | 0.0 | 0.0 | 0.0 | - | 0.9 |
| | Other | 0 | 2 | 0 | 3 | 2 | 0 | 2 | 1 | 0 | 10 |
| | | 0.0 | 4.5 | 0.0 | 1.4 | 1.5 | 0.0 | 2.3 | 1.0 | 0.0 | 1.2 |
| | Unknown | 0 | 0 | 2 | 0 | 1 | 1 | 0 | 0 | 0 | 4 |
| | | 0.0 | 0.0 | 5.3 | 0.0 | 2.9 | 3.7 | 0.0 | 0.0 | - | 1.7 |
| Total | | 0 | 10 | 30 | 21 | 14 | 9 | 4 | 14 | 0 | 102 |
| | | 0.0 | 1.2 | 1.4 | 1.3 | 1.3 | 1.0 | 0.6 | 1.1 | 0.0 | 1.2 |
| Females | European/Pakeha | 0 | 23 | 25 | 5 | 8 | 4 | 3 | 7 | 0 | 75 |
| | | 0.0 | 1.2 | 1.2 | 0.5 | 1.1 | 0.7 | 0.9 | 1.4 | 0.0 | 1.0 |
| | Maori | 0 | 8 | 6 | 1 | 1 | 1 | 0 | 0 | 0 | 17 |
| | | 0.0 | 0.6 | 0.6 | 0.2 | 0.4 | 0.6 | 0.0 | 0.0 | 0.0 | 0.5 |
| | Pacific Peoples | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 |
| | | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 | 3.7 | 0.0 | - | 0.3 |
| | Other | 0 | 0 | 4 | 2 | 1 | 2 | 0 | 1 | 0 | 10 |
| | | 0.0 | 0.0 | 1.7 | 0.9 | 0.7 | 2.3 | 0.0 | 0.9 | - | 1.0 |
| | Unknown | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 2 |
| | | 0.0 | 0.0 | 0.0 | 3.4 | 0.0 | 5.9 | 0.0 | 0.0 | - | 1.3 |
| Total | | 0 | 32 | 35 | 9 | 10 | 8 | 4 | 8 | 0 | 106 |
| | | 0.0 | 0.9 | 1.0 | 0.5 | 0.8 | 0.9 | 0.8 | 1.0 | 0.0 | 0.8 |
| <i>Genital Warts (first presentation)</i> | | | | | | | | | | | |
| Males | European/Pakeha | 0 | 27 | 114 | 52 | 33 | 23 | 13 | 18 | 0 | 280 |
| | | 0.0 | 5.1 | 7.5 | 4.9 | 4.8 | 3.7 | 3.0 | 1.9 | 0.0 | 4.8 |
| | Maori | 0 | 13 | 30 | 8 | 3 | 4 | 1 | 3 | 0 | 62 |
| | | 0.0 | 6.2 | 8.1 | 3.4 | 2.3 | 3.5 | 2.0 | 3.4 | 0.0 | 5.1 |
| | Pacific Peoples | 0 | 4 | 9 | 5 | 3 | 1 | 0 | 1 | 0 | 23 |
| | | 0.0 | 7.8 | 6.0 | 5.3 | 5.7 | 2.4 | 0.0 | 2.4 | - | 5.0 |
| | Other | 0 | 3 | 4 | 7 | 5 | 3 | 3 | 2 | 0 | 27 |
| | | 0.0 | 6.8 | 2.8 | 3.2 | 3.7 | 3.3 | 3.5 | 2.0 | 0.0 | 3.3 |
| | Unknown | 0 | 0 | 1 | 3 | 1 | 1 | 2 | 1 | 0 | 9 |
| | | 0.0 | 0.0 | 2.6 | 10.7 | 2.9 | 3.7 | 11.8 | 1.3 | - | 3.8 |
| Total | | 0 | 47 | 158 | 75 | 45 | 32 | 19 | 25 | 0 | 401 |
| | | 0.0 | 5.5 | 7.1 | 4.6 | 4.3 | 3.6 | 3.1 | 2.0 | 0.0 | 4.7 |
| Females | European/Pakeha | 0 | 56 | 87 | 28 | 14 | 12 | 5 | 8 | 0 | 210 |
| | | 0.0 | 2.8 | 4.2 | 2.6 | 1.9 | 2.1 | 1.5 | 1.6 | 0.0 | 2.9 |
| | Maori | 0 | 28 | 29 | 9 | 2 | 1 | 2 | 2 | 0 | 73 |
| | | 0.0 | 2.3 | 3.0 | 1.9 | 0.8 | 0.6 | 2.3 | 1.8 | 0.0 | 2.2 |
| | Pacific Peoples | 0 | 3 | 7 | 1 | 0 | 0 | 1 | 0 | 0 | 12 |
| | | 0.0 | 2.2 | 4.0 | 1.0 | 0.0 | 0.0 | 3.7 | 0.0 | - | 2.1 |
| | Other | 0 | 6 | 6 | 1 | 7 | 1 | 1 | 2 | 0 | 24 |
| | | 0.0 | 4.4 | 2.5 | 0.5 | 4.6 | 1.1 | 1.3 | 1.9 | - | 2.4 |
| | Unknown | 0 | 1 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 8 |
| | | 0.0 | 4.0 | 10.0 | 6.9 | 0.0 | 0.0 | 0.0 | 0.0 | - | 5.1 |
| Total | | 0 | 94 | 134 | 41 | 23 | 14 | 9 | 12 | 0 | 327 |
| | | 0.0 | 2.7 | 3.8 | 2.2 | 1.9 | 1.6 | 1.7 | 1.6 | 0.0 | 2.6 |

¹ Rate = total no. of cases/total no. of visits, expressed as a percentage
Clinic visit rates may be unreliable where fewer than five cases were reported

| | | Age group (years) | | | | | | | | | |
|-------------------------|-----------------|-------------------|------------|------------|------------|------------|------------|------------|------------|------------|-------|
| | | <15 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | >44 | Unk | Total |
| <u>Syphilis</u> | | | | | | | | | | | |
| Males | European/Pakeha | 0 | 0 | 1 | 1 | 3 | 4 | 0 | 4 | 0 | 13 |
| | | 0.0 | 0.0 | 0.1 | 0.1 | 0.4 | 0.7 | 0.0 | 0.4 | 0.0 | 0.2 |
| | Maori | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| | | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 |
| | Pacific Peoples | 0 | 0 | 0 | 2 | 1 | 0 | 1 | 1 | 0 | 5 |
| | | 0.0 | 0.0 | 0.0 | 2.1 | 1.9 | 0.0 | 3.4 | 2.4 | - | 1.1 |
| | Other | 0 | 0 | 1 | 2 | 1 | 2 | 0 | 2 | 0 | 8 |
| | | 0.0 | 0.0 | 0.7 | 0.9 | 0.7 | 2.2 | 0.0 | 2.0 | 0.0 | 1.0 |
| Unknown | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 3 | |
| | 0.0 | 0.0 | 0.0 | 0.0 | 2.9 | 0.0 | 5.9 | 1.3 | - | 1.3 | |
| Total | <u>0</u> | <u>0</u> | <u>2</u> | <u>5</u> | <u>7</u> | <u>6</u> | <u>2</u> | <u>8</u> | <u>0</u> | <u>30</u> | |
| | <u>0.0</u> | <u>0.0</u> | <u>0.1</u> | <u>0.3</u> | <u>0.7</u> | <u>0.7</u> | <u>0.3</u> | <u>0.6</u> | <u>0.0</u> | <u>0.4</u> | |
| Females | European/Pakeha | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 2 |
| | | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Maori | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Pacific Peoples | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 3 |
| | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.1 | 0.0 | 0.0 | - | 0.5 |
| | Other | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | - | 0.1 |
| Unknown | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | |
| | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.9 | 0.0 | 0.0 | - | 0.6 | |
| Total | <u>0</u> | <u>1</u> | <u>0</u> | <u>0</u> | <u>1</u> | <u>5</u> | <u>0</u> | <u>1</u> | <u>0</u> | <u>8</u> | |
| | <u>0.0</u> | <u>0.0</u> | <u>0.0</u> | <u>0.0</u> | <u>0.1</u> | <u>0.6</u> | <u>0.0</u> | <u>0.1</u> | <u>0.0</u> | <u>0.1</u> | |
| <u>NSU (Males Only)</u> | | | | | | | | | | | |
| Males | European/Pakeha | 0 | 8 | 17 | 24 | 14 | 21 | 11 | 20 | 0 | 115 |
| | | 0.0 | 1.5 | 1.1 | 2.3 | 2.0 | 3.4 | 2.5 | 2.1 | 0.0 | 2.0 |
| | Maori | 0 | 4 | 9 | 2 | 4 | 3 | 2 | 3 | 0 | 27 |
| | | 0.0 | 1.9 | 2.4 | 0.9 | 3.0 | 2.6 | 4.1 | 3.4 | 0.0 | 2.2 |
| | Pacific Peoples | 0 | 0 | 4 | 2 | 0 | 1 | 0 | 0 | 0 | 7 |
| | | 0.0 | 0.0 | 2.7 | 2.1 | 0.0 | 2.4 | 0.0 | 0.0 | - | 1.5 |
| | Other | 0 | 0 | 3 | 4 | 4 | 1 | 1 | 0 | 0 | 13 |
| | | 0.0 | 0.0 | 2.1 | 1.8 | 3.0 | 1.1 | 1.2 | 0.0 | 0.0 | 1.6 |
| Unknown | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 2 | |
| | 0.0 | 0.0 | 0.0 | 3.6 | 2.9 | 0.0 | 0.0 | 0.0 | - | 0.8 | |
| Total | <u>0</u> | <u>12</u> | <u>33</u> | <u>33</u> | <u>23</u> | <u>26</u> | <u>14</u> | <u>23</u> | <u>0</u> | <u>164</u> | |
| | <u>0.0</u> | <u>1.4</u> | <u>1.5</u> | <u>2.0</u> | <u>2.2</u> | <u>2.9</u> | <u>2.3</u> | <u>1.8</u> | <u>0.0</u> | <u>1.9</u> | |

¹ Rate = total no. of cases/total no. of visits, expressed as a percentage
Clinic visit rates may be unreliable where fewer than five cases were reported

Family planning clinic data

Table 12. Number of cases and clinic visit rates¹ for each STI by age, sex and ethnicity at FPCs, January to March 2010

| | | Age group (years) | | | | | | | | | |
|--------------------------|-----------------|-------------------|-------------|------------|------------|------------|------------|------------|------------|------------|-------------|
| | | <15 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | >44 | Unk | Total |
| <i>Chlamydia</i> | | | | | | | | | | | |
| Unknown | Pacific Peoples | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | 0.0 | 33.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 16.7 |
| Total | | <u>0</u> | <u>1</u> | <u>0</u> | <u>0</u> | <u>0</u> | <u>0</u> | <u>0</u> | <u>0</u> | <u>0</u> | <u>1</u> |
| | | <u>0.0</u> | <u>33.3</u> | <u>0.0</u> | <u>0.0</u> | <u>0.0</u> | <u>0.0</u> | <u>0.0</u> | <u>0.0</u> | <u>0.0</u> | <u>16.7</u> |
| Males | European/Pakeha | 0 | 10 | 37 | 16 | 7 | 4 | 0 | 0 | 0 | 74 |
| | | 0.0 | 3.4 | 6.8 | 6.9 | 5.0 | 4.8 | 0.0 | 0.0 | - | 5.1 |
| | Maori | 0 | 8 | 9 | 7 | 3 | 0 | 2 | 1 | 0 | 30 |
| | | 0.0 | 7.9 | 8.0 | 16.3 | 13.6 | 0.0 | 12.5 | 20.0 | - | 9.5 |
| | Pacific Peoples | 0 | 2 | 6 | 3 | 1 | 0 | 0 | 1 | 0 | 13 |
| | | 0.0 | 8.0 | 10.9 | 12.5 | 10.0 | 0.0 | 0.0 | 20.0 | - | 9.9 |
| | Other | 0 | 0 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 5 |
| | | 0.0 | 0.0 | 7.7 | 11.8 | 0.0 | 0.0 | 0.0 | 0.0 | - | 4.9 |
| | Unknown | 0 | 2 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 6 |
| | | 0.0 | 9.5 | 2.6 | 7.9 | 0.0 | 0.0 | 0.0 | 0.0 | - | 3.8 |
| Total | | <u>0</u> | <u>22</u> | <u>56</u> | <u>31</u> | <u>11</u> | <u>4</u> | <u>2</u> | <u>2</u> | <u>0</u> | <u>128</u> |
| | | <u>0.0</u> | <u>4.9</u> | <u>7.1</u> | <u>8.8</u> | <u>5.9</u> | <u>3.0</u> | <u>1.6</u> | <u>1.6</u> | <u>0.0</u> | <u>5.9</u> |
| Females | European/Pakeha | 1 | 94 | 171 | 41 | 11 | 5 | 3 | 1 | 0 | 327 |
| | | 1.7 | 1.7 | 1.6 | 0.9 | 0.4 | 0.3 | 0.2 | 0.1 | - | 1.1 |
| | Maori | 0 | 96 | 112 | 16 | 9 | 4 | 1 | 0 | 0 | 238 |
| | | 0.0 | 5.5 | 4.9 | 1.8 | 1.7 | 1.3 | 0.5 | 0.0 | - | 3.9 |
| | Pacific Peoples | 0 | 30 | 30 | 12 | 6 | 1 | 2 | 1 | 0 | 82 |
| | | 0.0 | 8.1 | 3.6 | 3.5 | 2.8 | 0.7 | 2.4 | 2.1 | - | 4.1 |
| | Other | 0 | 2 | 14 | 4 | 2 | 1 | 1 | 1 | 0 | 25 |
| | | 0.0 | 0.7 | 1.6 | 0.7 | 0.4 | 0.3 | 0.4 | 0.4 | - | 0.8 |
| | Unknown | 0 | 6 | 9 | 2 | 1 | 3 | 0 | 0 | 0 | 21 |
| | | 0.0 | 1.6 | 1.4 | 0.5 | 0.3 | 1.4 | 0.0 | 0.0 | - | 0.9 |
| Total | | <u>1</u> | <u>228</u> | <u>336</u> | <u>75</u> | <u>29</u> | <u>14</u> | <u>7</u> | <u>3</u> | <u>0</u> | <u>693</u> |
| | | <u>1.2</u> | <u>2.8</u> | <u>2.2</u> | <u>1.1</u> | <u>0.7</u> | <u>0.5</u> | <u>0.3</u> | <u>0.1</u> | <u>0.0</u> | <u>1.6</u> |
| <i>Gonorrhoea</i> | | | | | | | | | | | |
| Males | European/Pakeha | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | 0.0 | 0.0 | 0.0 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | - | 0.1 |
| | Maori | 0 | 3 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 8 |
| | | 0.0 | 3.0 | 1.8 | 4.7 | 4.5 | 0.0 | 0.0 | 0.0 | - | 2.5 |
| | Pacific Peoples | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Total | | <u>0</u> | <u>3</u> | <u>3</u> | <u>3</u> | <u>1</u> | <u>0</u> | <u>0</u> | <u>0</u> | <u>0</u> | <u>10</u> |
| | | <u>0.0</u> | <u>0.7</u> | <u>0.4</u> | <u>1.0</u> | <u>0.6</u> | <u>0.0</u> | <u>0.0</u> | <u>0.0</u> | <u>0.0</u> | <u>0.5</u> |
| Females | European/Pakeha | 0 | 10 | 7 | 2 | 1 | 0 | 0 | 0 | 0 | 20 |
| | | 0.0 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 0.1 |
| | Maori | 0 | 7 | 8 | 1 | 0 | 0 | 0 | 0 | 0 | 16 |
| | | 0.0 | 0.4 | 0.3 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | - | 0.3 |
| | Pacific Peoples | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| | | 0.0 | 0.3 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 0.1 |
| | Other | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | 0.0 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 0.0 |
| | Unknown | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 0.0 |
| Total | | <u>0</u> | <u>19</u> | <u>18</u> | <u>3</u> | <u>1</u> | <u>0</u> | <u>0</u> | <u>0</u> | <u>0</u> | <u>41</u> |
| | | <u>0.0</u> | <u>0.2</u> | <u>0.1</u> | <u>0.0</u> | <u>0.0</u> | <u>0.0</u> | <u>0.0</u> | <u>0.0</u> | <u>0.0</u> | <u>0.1</u> |

¹ Rate = total no. of cases/total no. of visits, expressed as a percentage
Clinic visit rates may be unreliable where fewer than five cases were reported

| | | Age group (years) | | | | | | | | | |
|---|-----------------|-------------------|------------|------------|-------------|------------|------------|------------|------------|------------|------------|
| | | <15 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | >44 | Unk | Total |
| <u>Genital Herpes (first presentation)</u> | | | | | | | | | | | |
| Unknown | European/Pakeha | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | 0.0 | 0.0 | 0.0 | 16.7 | 0.0 | 0.0 | 0.0 | 0.0 | - | 3.0 |
| Total | | <u>0</u> | <u>0</u> | <u>0</u> | <u>1</u> | <u>0</u> | <u>0</u> | <u>0</u> | <u>0</u> | <u>0</u> | <u>1</u> |
| | | <u>0.0</u> | <u>0.0</u> | <u>0.0</u> | <u>16.7</u> | <u>0.0</u> | <u>0.0</u> | <u>0.0</u> | <u>0.0</u> | <u>0.0</u> | <u>3.0</u> |
| Males | European/Pakeha | 0 | 0 | 3 | 2 | 1 | 0 | 0 | 2 | 0 | 8 |
| | | 0.0 | 0.0 | 0.6 | 0.9 | 0.7 | 0.0 | 0.0 | 2.2 | - | 0.5 |
| | Maori | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | 0.0 | 0.0 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 0.3 |
| | Other | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | 0.0 | 0.0 | 2.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 1.0 |
| | Total | <u>0</u> | <u>0</u> | <u>5</u> | <u>2</u> | <u>1</u> | <u>0</u> | <u>0</u> | <u>2</u> | <u>0</u> | <u>10</u> |
| | <u>0.0</u> | <u>0.0</u> | <u>0.7</u> | <u>0.7</u> | <u>0.6</u> | <u>0.0</u> | <u>0.0</u> | <u>1.9</u> | <u>0.0</u> | <u>0.5</u> | |
| Females | European/Pakeha | 0 | 12 | 14 | 2 | 0 | 3 | 0 | 1 | 0 | 32 |
| | | 0.0 | 0.2 | 0.1 | 0.0 | 0.0 | 0.2 | 0.0 | 0.1 | - | 0.1 |
| | Maori | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 1 | 0 | 4 |
| | | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.5 | 0.6 | - | 0.1 |
| | Pacific Peoples | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 0.0 |
| | Other | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | - | 0.0 |
| | Unknown | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 3 |
| | 0.0 | 0.3 | 0.2 | 0.0 | 0.0 | 0.0 | 0.5 | 0.0 | - | 0.1 | |
| Total | | <u>0</u> | <u>13</u> | <u>18</u> | <u>3</u> | <u>0</u> | <u>3</u> | <u>2</u> | <u>2</u> | <u>0</u> | <u>41</u> |
| | | <u>0.0</u> | <u>0.2</u> | <u>0.1</u> | <u>0.0</u> | <u>0.0</u> | <u>0.1</u> | <u>0.1</u> | <u>0.1</u> | <u>0.0</u> | <u>0.1</u> |
| <u>Genital Warts (first presentation)</u> | | | | | | | | | | | |
| Males | European/Pakeha | 0 | 0 | 13 | 4 | 2 | 0 | 0 | 0 | 0 | 19 |
| | | 0.0 | 0.0 | 2.4 | 1.7 | 1.4 | 0.0 | 0.0 | 0.0 | - | 1.3 |
| | Maori | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| | | 0.0 | 0.0 | 4.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 1.6 |
| | Pacific Peoples | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | 0.0 | 4.0 | 1.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 1.5 |
| | Unknown | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 2 |
| | 0.0 | 0.0 | 2.6 | 2.6 | 0.0 | 0.0 | 0.0 | 0.0 | - | 1.3 | |
| Total | | <u>0</u> | <u>1</u> | <u>20</u> | <u>5</u> | <u>2</u> | <u>0</u> | <u>0</u> | <u>0</u> | <u>0</u> | <u>28</u> |
| | | <u>0.0</u> | <u>0.2</u> | <u>2.7</u> | <u>1.5</u> | <u>1.1</u> | <u>0.0</u> | <u>0.0</u> | <u>0.0</u> | <u>0.0</u> | <u>1.4</u> |
| Females | European/Pakeha | 0 | 7 | 26 | 9 | 2 | 2 | 1 | 1 | 0 | 48 |
| | | 0.0 | 0.1 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | - | 0.2 |
| | Maori | 0 | 7 | 8 | 1 | 0 | 0 | 0 | 0 | 0 | 16 |
| | | 0.0 | 0.4 | 0.3 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | - | 0.3 |
| | Pacific Peoples | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 0.1 |
| | Other | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 3 |
| | | 0.0 | 0.7 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | - | 0.1 |
| | Unknown | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 3 |
| | 0.0 | 0.0 | 0.2 | 0.0 | 0.3 | 0.5 | 0.0 | 0.0 | - | 0.1 | |
| Total | | <u>0</u> | <u>16</u> | <u>37</u> | <u>11</u> | <u>3</u> | <u>3</u> | <u>1</u> | <u>1</u> | <u>0</u> | <u>72</u> |
| | | <u>0.0</u> | <u>0.2</u> | <u>0.2</u> | <u>0.2</u> | <u>0.1</u> | <u>0.1</u> | <u>0.0</u> | <u>0.0</u> | <u>0.0</u> | <u>0.2</u> |
| <u>Syphilis</u> | | | | | | | | | | | |
| Females | Maori | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | - | 0.0 |
| | Total | <u>0</u> | <u>0</u> | <u>0</u> | <u>1</u> | <u>0</u> | <u>0</u> | <u>0</u> | <u>0</u> | <u>0</u> | <u>1</u> |
| | | <u>0.0</u> | <u>0.0</u> | <u>0.0</u> | <u>0.1</u> | <u>0.0</u> | <u>0.0</u> | <u>0.0</u> | <u>0.0</u> | <u>0.0</u> | <u>0.0</u> |
| <u>NSU (Males Only)</u> | | | | | | | | | | | |
| Males | European/Pakeha | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | 0.0 | 0.0 | 0.0 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | - | 0.1 |
| | Total | <u>0</u> | <u>0</u> | <u>0</u> | <u>1</u> | <u>0</u> | <u>0</u> | <u>0</u> | <u>0</u> | <u>0</u> | <u>1</u> |
| | | <u>0.0</u> | <u>0.0</u> | <u>0.0</u> | <u>0.4</u> | <u>0.0</u> | <u>0.0</u> | <u>0.0</u> | <u>0.0</u> | <u>0.0</u> | <u>0.1</u> |

¹ Rate = total no. of cases/total no. of visits, expressed as a percentage
Clinic visit rates may be unreliable where fewer than five cases were reported

Student and youth health clinic data

Table 13. Number of cases and clinic visit rates¹ for each STI by age, sex and ethnicity at SYHCs, January to March 2010

| | | Age group (years) | | | | | | | | | |
|---|-----------------|-------------------|------------|------------|------------|------------|------------|------------|------------|------------|----------|
| | | <15 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | >44 | Unk | Total |
| <u>Chlamydia</u> | | | | | | | | | | | |
| Males | European/Pakeha | 0 | 8 | 17 | 2 | 0 | 0 | 0 | 0 | 0 | 27 |
| | | 0.0 | 0.5 | 0.6 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | - | 0.5 |
| | Maori | 1 | 2 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| | | 5.0 | 1.1 | 1.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 1.1 |
| | Pacific Peoples | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | 0.0 | 1.6 | 0.0 | 1.9 | 0.0 | 0.0 | 0.0 | 0.0 | - | 0.5 |
| | Other | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 3 |
| | | 0.0 | 0.2 | 0.1 | 0.0 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 |
| | Unknown | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | 0.0 | 1.6 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total | 1 | 13 | 26 | 3 | 1 | 0 | 0 | 0 | 0 | 44 | |
| | 1.1 | 0.6 | 0.5 | 0.2 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | |
| Females | European/Pakeha | 0 | 40 | 36 | 3 | 1 | 0 | 0 | 0 | 0 | 80 |
| | | 0.0 | 0.9 | 0.5 | 0.3 | 0.2 | 0.0 | 0.0 | 0.0 | - | 0.5 |
| | Maori | 0 | 22 | 13 | 2 | 0 | 0 | 0 | 1 | 0 | 38 |
| | | 0.0 | 3.2 | 1.3 | 0.8 | 0.0 | 0.0 | 0.0 | 0.5 | - | 1.5 |
| | Pacific Peoples | 0 | 6 | 5 | 1 | 1 | 0 | 0 | 0 | 1 | 14 |
| | | 0.0 | 4.8 | 1.4 | 0.8 | 2.4 | 0.0 | 0.0 | 0.0 | - | 1.8 |
| | Other | 0 | 5 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 12 |
| | | 0.0 | 0.5 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 0.2 |
| | Unknown | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| | | 0.0 | 1.5 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total | 0 | 75 | 63 | 6 | 2 | 0 | 0 | 1 | 1 | 148 | |
| | 0.0 | 1.2 | 0.5 | 0.2 | 0.2 | 0.0 | 0.0 | 0.1 | 0.0 | 0.4 | |
| <u>Gonorrhoea</u> | | | | | | | | | | | |
| Males | European/Pakeha | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| | | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 0.1 |
| | Other | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| | | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Total | 0 | 1 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 4 |
| | 0.0 | 0.1 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Females | European/Pakeha | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 0.0 |
| | Maori | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 0.0 |
| | Unknown | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Total | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | |
| | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| <u>Genital Herpes (first presentation)</u> | | | | | | | | | | | |
| Males | European/Pakeha | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| | | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 0.1 |
| | Maori | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 0.1 |
| | Unknown | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Total | 0 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | |
| | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Females | European/Pakeha | 0 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 0.0 |
| | Maori | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 |
| | | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 0.0 | - | 0.1 |
| | Pacific Peoples | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | 0.0 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 0.1 |
| | Other | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 0.0 | |
| Total | 0 | 4 | 4 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | |
| | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | |

¹ Rate = total no. of cases/total no. of visits, expressed as a percentage
Clinic visit rates may be unreliable where fewer than five cases were reported

| | | Age group (years) | | | | | | | | | |
|--|-----------------|-------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| | | <15 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | >44 | Unk | Total |
| <u>Genital Warts (first presentation)</u> | | | | | | | | | | | |
| Males | European/Pakeha | 0 | 3 | 14 | 2 | 0 | 1 | 0 | 0 | 0 | 20 |
| | | 0.0 | 0.2 | 0.5 | 0.3 | 0.0 | 0.6 | 0.0 | 0.0 | - | 0.3 |
| | Maori | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | 0.0 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 0.2 |
| | Total | 0 | 5 | 14 | 2 | 0 | 1 | 0 | 0 | 0 | 22 |
| | | 0.0 | 0.3 | 0.4 | 0.3 | 0.0 | 0.5 | 0.0 | 0.0 | 0.0 | 0.3 |
| Females | European/Pakeha | 0 | 4 | 11 | 1 | 0 | 0 | 0 | 0 | 0 | 16 |
| | | 0.0 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | - | 0.1 |
| | Maori | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| | | 0.0 | 0.3 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 0.2 |
| | Other | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 2 |
| | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | - | 0.0 | |
| Total | 0 | 6 | 14 | 1 | 1 | 0 | 0 | 0 | 0 | 22 | |
| | | 0.0 | 0.1 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 |
| <u>NSU (Males Only)</u> | | | | | | | | | | | |
| Males | European/Pakeha | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 0.0 |
| | Maori | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 0.1 |
| | Unknown | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Total | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Females | European/Pakeha | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 0.0 |
| Total | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | |
| | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |

¹ Rate = total no. of cases/total no. of visits, expressed as a percentage
Clinic visit rates may be unreliable where fewer than five cases were reported

Appendix: STI Surveillance Case Definitions

| | |
|---|---|
| Chlamydia | <p><i>Confirmed</i> Laboratory detection of <i>Chlamydia trachomatis</i> in a clinical specimen. Cases should be classified as:</p> <ol style="list-style-type: none"> 1. uncomplicated infection of the lower anogenital* tract * Includes urogenital and anorectal infection. 2. PID (pelvic inflammatory disease) or epididymitis 3. infection of another site (eg, eye or pharynx) <p><i>Probable</i> Cases must be <u>all</u> of the following:</p> <ul style="list-style-type: none"> • symptomatic, and • a contact of a confirmed case, and • non-laboratory confirmed (test negative or test not done). |
| Gonorrhoea | <p><i>Confirmed</i> Laboratory isolation of <i>Neisseria gonorrhoeae</i> from a clinical specimen. Cases should be classified as:</p> <ol style="list-style-type: none"> 1. uncomplicated infection of one or both of the following: <ol style="list-style-type: none"> a) urogenital tract b) anorectal area (proctitis) 2. PID (pelvic inflammatory disease) or epididymitis 3. extra-genital infection of one or both of the following: <ol style="list-style-type: none"> a) pharynx b) other site not listed <p><i>Probable</i> Cases must be <u>all</u> of the following:</p> <ul style="list-style-type: none"> • symptomatic, and • a contact of a confirmed case, and • non-laboratory confirmed (test negative or test not done). |
| Anogenital herpes | First diagnosis for the person at your clinic, with either <ol style="list-style-type: none"> 1. laboratory detection of herpes simplex virus (HSV) from a clinical specimen, <p>or</p> <ol style="list-style-type: none"> 2. a clinically compatible illness in the lower anogenital and buttock area (syphilis should be considered as a cause of genital ulceration) |
| Anogenital warts | First diagnosis for the person at your clinic, with <u>visible</u> * typical lesion(s) on internal or external genitalia, perineum, or perianal region. * Do not include persons for whom there is <u>only</u> demonstration of human papillomavirus (HPV) on cervical cytology or other laboratory method. |
| Syphilis | Infectious syphilis (primary, secondary, and early latent) as diagnosed or confirmed by a venereologist, and early congenital syphilis as diagnosed or confirmed by a paediatrician or venereologist. |
| Non-specific urethritis (NSU) (males only) | Urethral discharge in a sexually active male with laboratory exclusion of gonorrhoea and chlamydia, who does not meet the definition of a probable case of gonorrhoea or chlamydia. |
| Chancroid | <p><i>Confirmed</i> Isolation of <i>Haemophilus ducreyi</i> from a clinical specimen.</p> <p><i>Probable</i> Typical 'shoal of fish' pattern on gram stain of a clinical specimen, where syphilis, granuloma inguinale (GI) and anogenital herpes have been excluded, or A clinically compatible illness in a patient who is a contact of a confirmed case.</p> |
| Granuloma inguinale (GI) | <p><i>Confirmed</i> Demonstration of intracytoplasmic Donovan bodies on Wright or Giemsa stained smears or biopsies of clinical specimens.</p> <p><i>Probable</i> A clinically compatible illness in a patient who is a contact of a confirmed case.</p> |
| Lymphogranuloma venereum (LGV) | <p><i>Confirmed</i> Laboratory detection of <i>Chlamydia trachomatis</i> serotype L₁, L₂ or L₃ from a clinical specimen.</p> <p><i>Probable</i> A clinically compatible illness with complement fixation titre of > 64 and other causes of ulcerations excluded, or A clinically compatible illness in a person who is a contact of a confirmed case.</p> |