

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

April to June 2010

Prepared as part of a Ministry of Health contract for scientific services

by

Health Intelligence Team
Institute of Environmental Science & Research Ltd.

September 2010

Client Report
FW 10081

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Acknowledgements

This report was prepared by the Health Intelligence Team at ESR. With particular contributions from, Pauline Quinn (data collation and reporting), Tammy Hambling (reporting and peer review) and Don Bandaranayake (peer review).

The authors wish to acknowledge that this report could not have been generated without the continuing support of staff at sexual health, family planning, student and youth health clinics throughout New Zealand. Their provision of STI surveillance data is greatly appreciated.

**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 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 second quarter (April to June) 2010 from SHCs, FPCs and SYHCs across New Zealand.

Methods

All results and analyses are based on data submitted prior to 7 September 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. Consideration should be given to 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 are useful for trend analysis and 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 second quarter (April to June) 2010, 27 SHCs participated in the STI surveillance programme. Of these, 26 clinics submitted STI data by the date required for the second quarter, of which, 24 clinics submitted data for all three months of the quarter.

Family planning clinics

In the second quarter (April to June) 2010, 35 FPCs participated in the STI surveillance programme. All 35 clinics submitted STI data by the date required for the second quarter, of which, 33 clinics submitted data for all three months of the 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 second quarter (April to June) 2010, 15 SYHCs participated in the STI surveillance programme. Of these, 13 clinics submitted STI data by the date required for the second quarter. All 13 clinics submitted data for all three months of the quarter. It should be noted that some SYHCs based in schools or tertiary institutions may have been closed during holidays.

Overview

Sexual health clinics

In the second quarter (April to June) 2010, SHCs reported 19 297 clinic visits. A total of 1163 cases of chlamydia, 191 cases of gonorrhoea, 193 cases of genital herpes, 674 cases of genital warts, 28 cases of syphilis and 176 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 second quarter (April to June) 2010, FPCs reported 45 080 clinic visits. A total of 521 cases of chlamydia, 27 cases of gonorrhoea, 31 cases of genital herpes, 59 cases of genital warts, and three cases of NSU (males only) were reported in this quarter. No cases of syphilis, chancroid, GI or LGV were reported in this quarter.

Student and youth health clinics

In the second quarter (April to June) 2010, SYHCs reported 67 031 clinic visits. A total of 252 cases of chlamydia, eight cases of gonorrhoea, 25 cases of genital herpes, 65 cases of genital warts, and nine 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 second quarter (April to June) of 2009 and 2010 for each STI by clinic type are shown in Table 1. Note that because of the large denominator (Table 2) and small number of cases for some STIs, clinic visit rates and rate change may not be reflected in Table 1. Tables 2 to 13 present STI case numbers and clinic visit rates by clinic type, including site of infection and demographic data.

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

Clinic type	STI	April to June 2009		April to June 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	1197	5.7	1163	6.0	▲
	Gonorrhoea	224	1.1	191	1.0	▼
	Genital herpes	238	1.1	193	1.0	▼
	Genital warts	876	4.1	674	3.5	▼
	Syphilis	29	0.1	28	0.1	—
	NSU (males only)	165	1.9	176	2.2	▲
FPCs	Chlamydia	898	1.9	521	1.2	▼
	Gonorrhoea	47	0.1	27	0.1	—
	Genital herpes	53	0.1	31	0.1	—
	Genital warts	129	0.3	59	0.1	▼
	Syphilis	0	0.0	0	0.0	—
	NSU (males only)	1	0.0	3	0.1	▲
SYHCs	Chlamydia	231	0.3	252	0.4	▲
	Gonorrhoea	20	0.0	8	0.0	—
	Genital herpes	29	0.0	25	0.0	—
	Genital warts	66	0.1	65	0.1	—
	Syphilis	1	0.0	0	0.0	—
	NSU (males only)	6	0.0	9	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, April to June 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.	4,642	418	96	48	208	15
	Rate ²		9.0%	2.1%	1.0%	4.5%	0.3%
Family Planning Clinics	No.	15,616	188	6	3	16	0
	Rate ²		1.2%	0.0%	0.0%	0.1%	0.0%
Student & Youth Health Clinics	No.	6,158	27	1	0	1	0
	Rate ²		0.4%	0.0%	0.0%	0.0%	0.0%
Subtotal North		26,416	633	103	51	225	15
Midland							
Sexual Health Clinics	No.	5,782	375	34	59	177	1
	Rate ²		6.5%	0.6%	1.0%	3.1%	0.0%
Family Planning Clinics	No.	7,471	112	3	4	4	0
	Rate ²		1.5%	0.0%	0.1%	0.1%	0.0%
Student & Youth Health Clinics	No.	14,256	19	1	1	1	0
	Rate ²		0.1%	0.0%	0.0%	0.0%	0.0%
Subtotal Midland		27,509	506	38	64	182	1
Central							
Sexual Health Clinics	No.	5,027	225	36	47	146	10
	Rate ²		4.5%	0.7%	0.9%	2.9%	0.2%
Family Planning Clinics	No.	9,809	126	14	15	21	0
	Rate ²		1.3%	0.1%	0.2%	0.2%	0.0%
Student & Youth Health Clinics	No.	21,525	134	5	11	37	0
	Rate ²		0.6%	0.0%	0.1%	0.2%	0.0%
Subtotal Central		36,361	485	55	73	204	10
South							
Sexual Health Clinics	No.	3,846	145	25	39	143	2
	Rate ²		3.8%	0.7%	1.0%	3.7%	0.1%
Family Planning Clinics	No.	12,184	95	4	9	18	0
	Rate ²		0.8%	0.0%	0.1%	0.1%	0.0%
Student & Youth Health Clinics	No.	25,092	72	1	13	26	0
	Rate ²		0.3%	0.0%	0.1%	0.1%	0.0%
Subtotal South		41,122	312	30	61	187	2
All regions							
Sexual Health Clinics	No.	19,297	1,163	191	193	674	28
	Rate ²		6.0%	1.0%	1.0%	3.5%	0.1%
Family Planning Clinics	No.	45,080	521	27	31	59	0
	Rate ²		1.2%	0.1%	0.1%	0.1%	0.0%
Student & Youth Health Clinics	No.	67,031	252	8	25	65	0
	Rate ²		0.4%	0.0%	0.0%	0.1%	0.0%
Total	No.	131,408	1,936	226	249	798	28
	Rate²		1.5%	0.2%	0.2%	0.6%	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, April to June 2010

	<i>Confirmed</i>						Total ¹
	Uncomplicated, lower anogenital		PID/epididymitis		Other site		
	No. ²	% ³	No. ²	% ³	No. ²	% ³	No. ²
Sexual Health Clinics	1140	98.0%	18	1.5%	5	0.4%	1163
Family Planning Clinics	506	96.9%	16	3.1%	0	0.0%	522
Student & Youth Health Clinics	244	96.4%	5	2.0%	4	1.6%	253
Total	1890	97.5%	39	2.0%	9	0.5%	1938

Table 4. Summary - gonorrhoea site of infection, April to June 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	
Sexual Health Clinics	173	88.7%	12	6.2%	1	0.5%	9	4.6%	0	0.0%	195
Family Planning Clinics	27	96.4%	1	3.6%	0	0.0%	0	0.0%	0	0.0%	28
Student & Youth Health Clinic	8	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	8
Total	208	90.0%	13	5.6%	1	0.4%	9	3.9%	0	0.0%	231

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, April to June 2009 and 2010

Total clinic visits¹			2009 Total		2010 Total	
2009	2010	Clinic	No.	Rate²	No.	Rate²
747	802	Whangarei	55	7.4%	70	8.7%
148	157	Dargaville	7	4.7%	7	4.5%
100	116	Kaikohe	10	10.0%	13	11.2%
5055	3567	Auckland	305	6.0%	328	9.2%
6050	4642	North	377	6.2%	418	9.0%
2238	1953	Hamilton	158	7.1%	145	7.4%
2238	1584	Tauranga	156	7.0%	105	6.6%
304	254	Rotorua	15	4.9%	13	5.1%
534	333	Whakatane	33	6.2%	33	9.9%
236	1047	Taupo	27	11.4%	36	3.4%
594	611	New Plymouth	73	12.3%	43	7.0%
0	0	Gisborne	0	0.0%	0	0.0%
6144	5782	Midland	462	7.5%	375	6.5%
269	263	Napier	45	16.7%	33	12.5%
131	233	Hastings	27	20.6%	50	21.5%
261	308	Wanganui	7	2.7%	23	7.5%
1076	1541	Palmerston North/Levin/Dannevirke	44	4.1%	39	2.5%
1651	1554	Wellington	45	2.7%	46	3.0%
233	201	Lower Hutt	7	3.0%	10	5.0%
90	96	Porirua	4	4.4%	5	5.2%
415	691	Nelson	12	2.9%	14	2.0%
265	140	Wairau (Blenheim)	3	1.1%	5	3.6%
4391	5027	Central	194	4.4%	225	4.5%
83	102	Greymouth	3	3.6%	5	4.9%
120	132	Westport/Buller	8	6.7%	12	9.1%
3111	2340	Christchurch	63	2.0%	49	2.1%
25	16	Ashburton	0	0.0%	0	0.0%
174	132	Timaru	24	13.8%	12	9.1%
499	717	Dunedin	26	5.2%	28	3.9%
551	407	Invercargill/Gore/Wyndham	40	7.3%	39	9.6%
4563	3846	South	164	3.6%	145	3.8%
21148	19297	Total	1197	5.7%	1163	6.0%

¹ Total No. Clinic Visits = total no. clinic visits for the report period for any reason.

² Rate = (total no. cases / total no. clinic visits) x 100, expressed as a percentage.

Note: People seek treatment for STDs 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, April to June 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>
747	802	Whangarei	2	0.3%	14	1.7%
148	157	Dargaville	0	0.0%	0	0.0%
100	116	Kaikohe	0	0.0%	0	0.0%
5055	3567	Auckland	57	1.1%	82	2.3%
6050	4642	North	59	1.0%	96	2.1%
2238	1953	Hamilton	17	0.8%	15	0.8%
2238	1584	Tauranga	13	0.6%	5	0.3%
304	254	Rotorua	5	1.6%	2	0.8%
534	333	Whakatane	7	1.3%	5	1.5%
236	1047	Taupo	2	0.8%	3	0.3%
594	611	New Plymouth	13	2.2%	4	0.7%
0	0	Gisborne	0	0.0%	0	0.0%
6144	5782	Midland	57	0.9%	34	0.6%
269	263	Napier	10	3.7%	7	2.7%
131	233	Hastings	7	5.3%	10	4.3%
261	308	Wanganui	2	0.8%	6	1.9%
1076	1541	Palmerston North/Levin/Dannevirke	14	1.3%	3	0.2%
1651	1554	Wellington	19	1.2%	6	0.4%
233	201	Lower Hutt	2	0.9%	1	0.5%
90	96	Porirua	2	2.2%	0	0.0%
415	691	Nelson	3	0.7%	0	0.0%
265	140	Wairau (Blenheim)	0	0.0%	3	2.1%
4391	5027	Central	59	1.3%	36	0.7%
83	102	Greymouth	1	1.2%	1	1.0%
120	132	Westport/Buller	0	0.0%	0	0.0%
3111	2340	Christchurch	15	0.5%	12	0.5%
25	16	Ashburton	2	8.0%	1	6.3%
174	132	Timaru	16	9.2%	5	3.8%
499	717	Dunedin	5	1.0%	2	0.3%
551	407	Invercargill/Gore/Wyndham	10	1.8%	4	1.0%
4563	3846	South	49	1.1%	25	0.7%
21148	19297	Total	224	1.1%	191	1.0%

¹ Total No. Clinic Visits = total no. clinic visits for the report period for any reason.

² Rate = (total no. cases / total no. clinic visits) x 100, expressed as a percentage.

Note: People seek treatment for STDs 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, April to June 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>
747	802	Whangarei	9	1.2%	5	0.6%
148	157	Dargaville	0	0.0%	0	0.0%
100	116	Kaikohe	0	0.0%	0	0.0%
5055	3567	Auckland	51	1.0%	43	1.2%
6050	4642	North	60	1.0%	48	1.0%
2238	1953	Hamilton	29	1.3%	22	1.1%
2238	1584	Tauranga	27	1.2%	18	1.1%
304	254	Rotorua	2	0.7%	2	0.8%
534	333	Whakatane	1	0.2%	1	0.3%
236	1047	Taupo	1	0.4%	1	0.1%
594	611	New Plymouth	9	1.5%	15	2.5%
0	0	Gisborne	0	0.0%	0	0.0%
6144	5782	Midland	69	1.1%	59	1.0%
269	263	Napier	5	1.9%	6	2.3%
131	233	Hastings	5	3.8%	3	1.3%
261	308	Wanganui	1	0.4%	1	0.3%
1076	1541	Palmerston North/Levin/Dannevirke	10	0.9%	12	0.8%
1651	1554	Wellington	10	0.6%	8	0.5%
233	201	Lower Hutt	2	0.9%	2	1.0%
90	96	Porirua	0	0.0%	1	1.0%
415	691	Nelson	12	2.9%	11	1.6%
265	140	Wairau (Blenheim)	3	1.1%	3	2.1%
4391	5027	Central	48	1.1%	47	0.9%
83	102	Greymouth	2	2.4%	2	2.0%
120	132	Westport/Buller	0	0.0%	0	0.0%
3111	2340	Christchurch	38	1.2%	19	0.8%
25	16	Ashburton	2	8.0%	2	12.5%
174	132	Timaru	0	0.0%	0	0.0%
499	717	Dunedin	12	2.4%	7	1.0%
551	407	Invercargill/Gore/Wyndham	7	1.3%	9	2.2%
4563	3846	South	61	1.3%	39	1.0%
21148	19297	Total	238	1.1%	193	1.0%

¹ Total No. Clinic Visits = total no. clinic visits for the report period for any reason.

² Rate = (total no. cases / total no. clinic visits) x 100, expressed as a percentage.

Note: People seek treatment for STDs 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, April to June 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>
747	802	Whangarei	20	2.7%	24	3.0%
148	157	Dargaville	0	0.0%	0	0.0%
100	116	Kaikohe	1	1.0%	0	0.0%
5055	3567	Auckland	253	5.0%	184	5.2%
6050	4642	North	274	4.5%	208	4.5%
2238	1953	Hamilton	120	5.4%	96	4.9%
2238	1584	Tauranga	82	3.7%	33	2.1%
304	254	Rotorua	13	4.3%	7	2.8%
534	333	Whakatane	7	1.3%	5	1.5%
236	1047	Taupo	3	1.3%	4	0.4%
594	611	New Plymouth	34	5.7%	32	5.2%
0	0	Gisborne	0	0.0%	0	0.0%
6144	5782	Midland	259	4.2%	177	3.1%
269	263	Napier	11	4.1%	13	4.9%
131	233	Hastings	11	8.4%	15	6.4%
261	308	Wanganui	3	1.1%	1	0.3%
1076	1541	Palmerston North/Levin/Dannevirke	21	2.0%	28	1.8%
1651	1554	Wellington	54	3.3%	38	2.4%
233	201	Lower Hutt	15	6.4%	8	4.0%
90	96	Porirua	10	11.1%	4	4.2%
415	691	Nelson	19	4.6%	23	3.3%
265	140	Wairau (Blenheim)	23	8.7%	16	11.4%
4391	5027	Central	167	3.8%	146	2.9%
83	102	Greymouth	6	7.2%	5	4.9%
120	132	Westport/Buller	1	0.8%	6	4.5%
3111	2340	Christchurch	89	2.9%	74	3.2%
25	16	Ashburton	1	4.0%	2	12.5%
174	132	Timaru	10	5.7%	10	7.6%
499	717	Dunedin	35	7.0%	25	3.5%
551	407	Invercargill/Gore/Wyndham	34	6.2%	21	5.2%
4563	3846	South	176	3.9%	143	3.7%
21148	19297	Total	876	4.1%	674	3.5%

¹ Total No. Clinic Visits = total no. clinic visits for the report period for any reason.

² Rate = (total no. cases / total no. clinic visits) x 100, expressed as a percentage.

Note: People seek treatment for STDs 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, April to June 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>
747	802	Whangarei	0	0.0%	0	0.0%
148	157	Dargaville	0	0.0%	0	0.0%
100	116	Kaikohe	0	0.0%	0	0.0%
5055	3567	Auckland	8	0.2%	15	0.4%
6050	4642	North	8	0.1%	15	0.3%
2238	1953	Hamilton	0	0.0%	0	0.0%
2238	1584	Tauranga	2	0.1%	0	0.0%
304	254	Rotorua	0	0.0%	1	0.4%
534	333	Whakatane	0	0.0%	0	0.0%
236	1047	Taupo	0	0.0%	0	0.0%
594	611	New Plymouth	0	0.0%	0	0.0%
0	0	Gisborne	0	0.0%	0	0.0%
6144	5782	Midland	2	0.0%	1	0.0%
269	263	Napier	0	0.0%	0	0.0%
131	233	Hastings	0	0.0%	0	0.0%
261	308	Wanganui	0	0.0%	0	0.0%
1076	1541	Palmerston North/Levin/Dannevirke	1	0.1%	5	0.3%
1651	1554	Wellington	8	0.5%	2	0.1%
233	201	Lower Hutt	4	1.7%	2	1.0%
90	96	Porirua	0	0.0%	1	1.0%
415	691	Nelson	0	0.0%	0	0.0%
265	140	Wairau (Blenheim)	0	0.0%	0	0.0%
4391	5027	Central	13	0.3%	10	0.2%
83	102	Greymouth	0	0.0%	0	0.0%
120	132	Westport/Buller	0	0.0%	0	0.0%
3111	2340	Christchurch	5	0.2%	1	0.0%
25	16	Ashburton	1	4.0%	0	0.0%
174	132	Timaru	0	0.0%	0	0.0%
499	717	Dunedin	0	0.0%	1	0.1%
551	407	Invercargill/Gore/Wyndham	0	0.0%	0	0.0%
4563	3846	South	6	0.1%	2	0.1%
21148	19297	Total	29	0.1%	28	0.1%

¹ Total No. Clinic Visits = total no. clinic visits for the report period for any reason.

² Rate = (total no. cases / total no. clinic visits) x 100, expressed as a percentage.

Note: People seek treatment for STDs 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, April to June 2009 and 2010

Total clinic visits¹			2009 Total		2010 Total	
2009	2010	Clinic	No.	Rate²	No.	Rate²
218	227	Whangarei	0	0.0%	0	0.0%
3	9	Dargaville	0	0.0%	0	0.0%
18	13	Kaikohe	0	0.0%	0	0.0%
2530	1707	Auckland	87	3.4%	80	4.7%
2769	1956	North	87	3.1%	80	4.1%
863	853	Hamilton	8	0.9%	8	0.9%
502	325	Tauranga	17	3.4%	17	5.2%
149	134	Rotorua	0	0.0%	0	0.0%
75	47	Whakatane	1	1.3%	2	4.3%
72	85	Taupo	0	0.0%	0	0.0%
280	221	New Plymouth	15	5.4%	13	5.9%
0	0	Gisborne	0	0.0%	0	0.0%
1941	1665	Midland	41	2.1%	40	2.4%
50	62	Napier	0	0.0%	0	0.0%
27	55	Hastings	0	0.0%	0	0.0%
88	133	Wanganui	0	0.0%	0	0.0%
433	695	Palmerston North/Levin/Dannevirke	11	2.5%	15	2.2%
948	865	Wellington	11	1.2%	11	1.3%
133	118	Lower Hutt	1	0.8%	3	2.5%
37	36	Porirua	0	0.0%	0	0.0%
195	273	Nelson	0	0.0%	2	0.7%
133	83	Wairau (Blenheim)	0	0.0%	0	0.0%
2044	2320	Central	23	1.1%	31	1.3%
36	50	Greymouth	0	0.0%	0	0.0%
30	48	Westport/Buller	0	0.0%	0	0.0%
1543	1257	Christchurch	8	0.5%	18	1.4%
14	11	Ashburton	0	0.0%	0	0.0%
81	81	Timaru	0	0.0%	0	0.0%
165	281	Dunedin	1	0.6%	0	0.0%
274	197	Invercargill/Gore/Wyndham	5	1.8%	7	3.6%
2143	1925	South	14	0.7%	25	1.3%
8897	7866	Total	165	1.9%	176	2.2%

¹ Total No. Clinic Visits = total no. clinic visits for the report period for any reason.

² Rate = (total no. cases / total no. clinic visits) x 100, expressed as a percentage.

Note: People seek treatment for STDs 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, April to June 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	1	40	92	51	33	20	10	23	0	270
		12.5	8.4	7.2	4.9	5.0	3.7	2.4	2.4	0.0	5.0
	Maori	0	47	55	24	8	8	5	4	0	151
		0.0	18.2	18.8	11.7	5.5	8.1	14.3	5.8	0.0	13.5
	Pacific Peoples	0	11	32	11	7	4	0	0	0	65
		0.0	32.4	40.5	19.0	16.3	11.4	0.0	0.0	-	22.6
	Other	0	3	13	10	4	3	0	0	0	33
		0.0	6.4	7.9	5.6	3.2	2.8	0.0	0.0	-	3.9
	Unknown	0	2	4	6	0	1	1	0	0	14
		0.0	13.3	10.3	12.5	0.0	9.1	4.3	0.0	-	6.5
	Total	1	103	196	102	52	36	16	27	0	533
	4.8	12.4	10.6	6.7	5.2	4.5	2.8	2.2	0.0	6.8	
Females	European/Pakeha	1	112	73	33	18	6	3	0	0	246
		0.8	5.9	3.8	3.6	3.1	1.1	1.1	0.0	0.0	3.6
	Maori	7	141	88	38	18	6	1	2	0	301
		5.6	12.5	11.5	9.7	7.7	4.0	0.9	2.3	0.0	10.0
	Pacific Peoples	0	12	18	13	2	2	3	1	0	51
		0.0	15.2	11.5	16.3	4.0	5.9	11.1	5.0	-	11.3
	Other	0	7	10	7	2	2	1	0	0	29
		0.0	5.3	5.0	2.8	1.7	2.4	1.4	0.0	-	2.9
	Unknown	0	1	1	0	0	0	1	0	0	3
		0.0	3.8	1.4	0.0	0.0	0.0	6.3	0.0	-	1.6
	Total	8	273	190	91	40	16	9	3	0	630
	3.0	8.4	6.1	5.4	4.0	1.9	1.8	0.4	0.0	5.5	
<i>Gonorrhoea</i>											
Males	European/Pakeha	0	6	14	6	7	7	2	6	0	48
		0.0	1.3	1.1	0.6	1.1	1.3	0.5	0.6	0.0	0.9
	Maori	2	7	16	9	4	4	2	0	0	44
		16.7	2.7	5.5	4.4	2.8	4.0	5.7	0.0	0.0	3.9
	Pacific Peoples	0	2	10	4	0	0	0	0	0	16
		0.0	5.9	12.7	6.9	0.0	0.0	0.0	0.0	-	5.6
	Other	0	1	1	2	4	0	0	1	0	9
		0.0	2.1	0.6	1.1	3.2	0.0	0.0	0.7	-	1.1
	Unknown	0	0	1	0	0	3	0	0	0	4
		0.0	0.0	2.6	0.0	0.0	27.3	0.0	0.0	-	1.9
	Total	2	16	42	21	15	14	4	7	0	121
	9.5	1.9	2.3	1.4	1.5	1.8	0.7	0.6	0.0	1.5	
Females	European/Pakeha	2	12	6	1	0	0	1	0	0	22
		1.6	0.6	0.3	0.1	0.0	0.0	0.4	0.0	0.0	0.3
	Maori	1	18	9	5	3	1	0	1	0	38
		0.8	1.6	1.2	1.3	1.3	0.7	0.0	1.1	0.0	1.3
	Pacific Peoples	0	2	3	0	0	0	1	0	0	6
		0.0	2.5	1.9	0.0	0.0	0.0	3.7	0.0	-	1.3
	Other	0	0	1	1	0	0	0	0	0	2
		0.0	0.0	0.5	0.4	0.0	0.0	0.0	0.0	-	0.2
	Unknown	0	1	0	1	0	0	0	0	0	2
		0.0	3.8	0.0	4.0	0.0	0.0	0.0	0.0	-	1.1
	Total	3	33	19	8	3	1	2	1	0	70
	1.1	1.0	0.6	0.5	0.3	0.1	0.4	0.1	0.0	0.6	

¹ Rate = (total number of cases / total number of visits) * 100, 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	4	10	9	12	5	4	5	0	49
		0.0	0.8	0.8	0.9	1.8	0.9	1.0	0.5	0.0	0.9
	Maori	0	1	2	1	5	2	0	3	0	14
		0.0	0.4	0.7	0.5	3.4	2.0	0.0	4.3	0.0	1.3
	Pacific Peoples	0	0	1	2	0	0	0	0	0	3
		0.0	0.0	1.3	3.4	0.0	0.0	0.0	0.0	-	1.0
	Other	0	0	2	0	0	3	0	0	0	5
		0.0	0.0	1.2	0.0	0.0	2.8	0.0	0.0	-	0.6
	Unknown	0	0	1	0	0	0	1	0	0	2
		0.0	0.0	2.6	0.0	0.0	0.0	4.3	0.0	-	0.9
Total		0	5	16	12	17	10	5	8	0	73
		0.0	0.6	0.9	0.8	1.7	1.3	0.9	0.6	0.0	0.9
Females	European/Pakeha	1	24	22	22	10	3	3	5	0	90
		0.8	1.3	1.1	2.4	1.7	0.6	1.1	1.0	0.0	1.3
	Maori	0	5	7	2	1	0	1	0	0	16
		0.0	0.4	0.9	0.5	0.4	0.0	0.9	0.0	0.0	0.5
	Pacific Peoples	0	0	2	0	0	0	0	0	0	2
		0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	-	0.4
	Other	0	1	3	2	3	0	1	0	0	10
		0.0	0.8	1.5	0.8	2.5	0.0	1.4	0.0	-	1.0
	Unknown	0	0	1	0	1	0	0	0	0	2
		0.0	0.0	1.4	0.0	5.6	0.0	0.0	0.0	-	1.1
Total		1	30	35	26	15	3	5	5	0	120
		0.4	0.9	1.1	1.6	1.5	0.4	1.0	0.7	0.0	1.0
<i>Genital Warts (first presentation)</i>											
Males	European/Pakeha	0	20	105	61	24	21	16	19	1	267
		0.0	4.2	8.2	5.9	3.6	3.9	3.9	2.0	7.7	4.9
	Maori	0	11	18	6	4	7	2	3	0	51
		0.0	4.3	6.2	2.9	2.8	7.1	5.7	4.3	0.0	4.6
	Pacific Peoples	0	2	8	2	0	0	0	1	0	13
		0.0	5.9	10.1	3.4	0.0	0.0	0.0	5.9	-	4.5
	Other	0	1	7	1	2	3	1	4	0	19
		0.0	2.1	4.3	0.6	1.6	2.8	1.3	2.6	-	2.2
	Unknown	0	1	2	3	1	0	0	0	0	7
		0.0	6.7	5.1	6.3	3.3	0.0	0.0	0.0	-	3.3
Total		0	35	140	73	31	31	19	27	1	357
		0.0	4.2	7.6	4.8	3.1	3.9	3.4	2.2	6.7	4.5
Females	European/Pakeha	0	73	66	27	8	17	5	2	0	198
		0.0	3.9	3.4	2.9	1.4	3.2	1.8	0.4	0.0	2.9
	Maori	0	36	19	1	5	1	2	1	0	65
		0.0	3.2	2.5	0.3	2.1	0.7	1.8	1.1	0.0	2.2
	Pacific Peoples	0	4	5	2	3	0	1	0	0	15
		0.0	5.1	3.2	2.5	6.0	0.0	3.7	0.0	-	3.3
	Other	1	0	9	7	3	2	1	5	0	28
		16.7	0.0	4.5	2.8	2.5	2.4	1.4	3.7	-	2.8
	Unknown	0	3	6	0	0	1	0	1	0	11
		0.0	11.5	8.5	0.0	0.0	6.3	0.0	10.0	-	6.0
Total		1	116	105	37	19	21	9	9	0	317
		0.4	3.6	3.4	2.2	1.9	2.6	1.8	1.2	0.0	2.8

¹ Rate = (total number of cases / total number of visits) * 100, 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	0	2	1	2	4	7	0	16
		0.0	0.0	0.0	0.2	0.2	0.4	1.0	0.7	0.0	0.3
	Maori	0	1	0	0	1	0	1	0	0	3
		0.0	0.4	0.0	0.0	0.7	0.0	2.9	0.0	0.0	0.3
	Pacific Peoples	0	0	0	0	1	1	0	0	0	2
		0.0	0.0	0.0	0.0	2.3	2.9	0.0	0.0	-	0.7
	Other	0	0	0	0	1	0	0	2	0	3
		0.0	0.0	0.0	0.0	0.8	0.0	0.0	1.3	-	0.4
	Unknown	0	0	0	0	0	0	1	0	0	1
		0.0	0.0	0.0	0.0	0.0	0.0	4.3	0.0	-	0.5
Total	0	1	0	2	4	3	6	9	0	25	
	0.0	0.1	0.0	0.1	0.4	0.4	1.1	0.7	0.0	0.3	
Females	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	0.0	0.1
	Other	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	-	0.1
	Total	0	1	0	0	1	0	1	0	0	3
	0.0	0.1	0.0	0.0	0.3	0.0	0.6	0.0	0.0	0.1	
<u>NSU (Males Only)</u>											
Males	European/Pakeha	0	7	26	22	13	12	10	24	0	114
		0.0	1.5	2.0	2.1	2.0	2.2	2.4	2.5	0.0	2.1
	Maori	1	2	9	4	1	0	1	1	0	19
		8.3	0.8	3.1	2.0	0.7	0.0	2.9	1.4	0.0	1.7
	Pacific Peoples	0	1	3	3	0	1	2	0	0	10
		0.0	2.9	3.8	5.2	0.0	2.9	10.0	0.0	-	3.5
	Other	0	3	8	6	2	3	1	3	0	26
		0.0	6.4	4.9	3.3	1.6	2.8	1.3	2.0	-	3.1
	Unknown	0	0	1	1	0	0	1	4	0	7
		0.0	0.0	2.6	2.1	0.0	0.0	4.3	8.2	-	3.3
Total	1	13	47	36	16	16	15	32	0	176	
	4.8	1.6	2.5	2.4	1.6	2.0	2.6	2.5	0.0	2.2	

¹ Rate = (total number of cases / total number of visits) * 100, 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, April to June 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	13	12	9	2	1	1	0	0	38
		0.0	3.6	2.4	3.9	1.9	1.1	1.8	0.0	0.0	2.6
	Maori	0	6	5	3	0	0	0	0	0	14
		0.0	5.1	5.1	10.0	0.0	0.0	0.0	0.0	-	4.8
	Pacific Peoples	0	2	7	0	3	0	0	0	0	12
		0.0	7.4	17.1	0.0	21.4	0.0	0.0	0.0	-	10.1
	Other	0	0	2	1	0	1	0	0	0	4
		0.0	0.0	9.1	6.3	0.0	6.7	0.0	0.0	-	4.3
	Unknown	0	0	1	1	0	0	0	0	0	2
		0.0	0.0	1.8	3.4	0.0	0.0	0.0	0.0	-	1.2
	Total	0	21	27	14	5	2	1	0	0	70
		0.0	3.9	3.8	4.4	2.9	1.4	1.4	0.0	0.0	3.3
Females	European/Pakeha	1	88	90	18	4	3	1	0	0	205
		0.4	1.3	0.9	0.4	0.2	0.2	0.1	0.0	-	0.7
	Maori	3	79	61	8	4	1	0	0	0	156
		1.9	3.6	2.9	1.0	0.9	0.4	0.0	0.0	-	2.5
	Pacific Peoples	0	21	21	11	1	0	1	1	0	56
		0.0	4.1	2.7	3.7	0.5	0.0	1.4	1.9	-	2.7
	Other	0	5	5	2	1	0	1	0	0	14
		0.0	1.3	0.6	0.3	0.2	0.0	0.4	0.0	-	0.4
	Unknown	1	8	8	3	0	0	0	0	0	20
		6.7	1.5	1.2	0.7	0.0	0.0	0.0	0.0	0.0	0.8
	Total	5	201	185	42	10	4	3	1	0	451
		1.1	1.9	1.3	0.6	0.3	0.1	0.1	0.0	0.0	1.1
<u>Gonorrhoea</u>											
Males	European/Pakeha	0	1	1	0	0	0	0	0	0	2
		0.0	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.1
	Maori	0	0	0	1	0	0	0	0	0	1
		0.0	0.0	0.0	3.3	0.0	0.0	0.0	0.0	-	0.3
	Pacific Peoples	0	1	1	0	0	0	0	0	0	2
		0.0	3.7	2.4	0.0	0.0	0.0	0.0	0.0	-	1.7
	Unknown	0	0	1	0	0	0	0	0	0	1
		0.0	0.0	1.8	0.0	0.0	0.0	0.0	0.0	-	0.6
	Total	0	2	3	1	0	0	0	0	0	6
		0.0	0.4	0.4	0.3	0.0	0.0	0.0	0.0	0.0	0.3
Females	European/Pakeha	0	4	2	1	0	0	0	0	0	7
		0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0
	Maori	0	2	8	0	0	0	0	0	0	10
		0.0	0.1	0.4	0.0	0.0	0.0	0.0	0.0	-	0.2
	Pacific Peoples	0	1	2	0	0	0	0	0	0	3
		0.0	0.2	0.3	0.0	0.0	0.0	0.0	0.0	-	0.1
	Other	0	0	0	0	0	1	0	0	0	1
		0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	-	0.0
	Total	0	7	12	1	0	1	0	0	0	21
		0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1

¹ Rate = (total number of cases / total number of visits) * 100, 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>											
Males	European/Pakeha	0	2	2	1	0	0	0	0	0	5
		0.0	0.6	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.3
	Maori	0	0	1	0	0	0	0	0	0	1
		0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	-	0.3
	Pacific Peoples	0	0	0	0	0	1	0	0	0	1
		0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	-	0.8
Total		<u>0</u>	<u>2</u>	<u>3</u>	<u>1</u>	<u>0</u>	<u>1</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>7</u>
		<u>0.0</u>	<u>0.4</u>	<u>0.5</u>	<u>0.4</u>	<u>0.0</u>	<u>0.9</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.4</u>
Females	European/Pakeha	0	3	10	4	0	2	0	1	0	20
		0.0	0.0	0.1	0.1	0.0	0.1	0.0	0.1	-	0.1
	Maori	0	2	1	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
	Other	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>5</u>	<u>11</u>	<u>5</u>	<u>0</u>	<u>2</u>	<u>0</u>	<u>1</u>	<u>0</u>	<u>24</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>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.1</u>
<u>Genital Warts (first presentation)</u>											
Males	European/Pakeha	0	2	7	3	0	0	0	0	0	12
		0.0	0.6	1.4	1.3	0.0	0.0	0.0	0.0	0.0	0.8
	Maori	0	2	1	0	0	0	0	0	0	3
		0.0	1.7	1.0	0.0	0.0	0.0	0.0	0.0	-	1.0
	Pacific Peoples	0	0	1	0	1	0	0	0	0	2
		0.0	0.0	2.4	0.0	7.1	0.0	0.0	0.0	-	1.7
Total		<u>0</u>	<u>4</u>	<u>9</u>	<u>3</u>	<u>1</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>17</u>
		<u>0.0</u>	<u>0.8</u>	<u>1.4</u>	<u>1.1</u>	<u>0.7</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.9</u>
Females	European/Pakeha	0	8	15	6	0	1	0	0	0	30
		0.0	0.1	0.2	0.1	0.0	0.1	0.0	0.0	-	0.1
	Maori	0	4	3	0	0	0	0	0	0	7
		0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.0	-	0.1
	Pacific Peoples	0	0	3	0	0	0	0	0	0	3
		0.0	0.0	0.4	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	0.1	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	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Total		<u>0</u>	<u>13</u>	<u>22</u>	<u>6</u>	<u>0</u>	<u>1</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>42</u>
		<u>0.0</u>	<u>0.1</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>0.1</u>
<u>NSU (Males Only)</u>											
Males	European/Pakeha	0	1	0	0	0	0	0	0	0	1
		0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
	Maori	0	0	2	0	0	0	0	0	0	2
		0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	-	0.7
Total		<u>0</u>	<u>1</u>	<u>2</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>3</u>
		<u>0.0</u>	<u>0.2</u>	<u>0.3</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>0.2</u>

¹ Rate = (total number of cases / total number of visits) * 100, 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, April to June 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	9	32	2	0	0	0	0	0	43	
		0.0	0.5	0.8	0.3	0.0	0.0	0.0	0.0	-	0.6	
	Maori	1	6	7	1	0	0	0	0	0	15	
		5.3	3.2	1.4	0.9	0.0	0.0	0.0	0.0	0.0	1.4	
	Pacific Peoples	0	1	2	0	0	0	0	0	0	3	
		0.0	1.2	1.2	0.0	0.0	0.0	0.0	0.0	-	0.6	
	Other	0	0	4	0	0	0	0	0	0	4	
		0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	-	0.1	
	Unknown	0	0	2	0	0	0	0	0	0	2	
		0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Total	<u>1</u>	<u>16</u>	<u>47</u>	<u>3</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>67</u>		
	<u>0.8</u>	<u>0.6</u>	<u>0.7</u>	<u>0.2</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.3</u>		
Females	European/Pakeha	0	42	63	1	0	0	0	0	0	106	
		0.0	0.7	0.6	0.1	0.0	0.0	0.0	0.0	-	0.6	
	Maori	3	28	22	4	1	0	0	0	0	58	
		10.7	3.2	1.7	1.5	0.5	0.0	0.0	0.0	-	1.8	
	Pacific Peoples	0	3	8	0	0	0	0	0	0	11	
		0.0	1.5	2.1	0.0	0.0	0.0	0.0	0.0	-	1.3	
	Other	0	2	2	1	0	0	0	0	0	5	
		0.0	0.2	0.1	0.1	0.0	0.0	0.0	0.0	-	0.1	
	Unknown	0	2	2	1	0	0	0	0	0	5	
		0.0	1.1	0.5	1.3	0.0	0.0	0.0	0.0	0.0	0.0	
Total	<u>3</u>	<u>77</u>	<u>97</u>	<u>7</u>	<u>1</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>185</u>		
	<u>2.6</u>	<u>0.9</u>	<u>0.6</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>0.4</u>		
<i>Gonorrhoea</i>												
Males	European/Pakeha	0	2	1	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	
	Maori	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	0.1	
	Other	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	
	Total	<u>0</u>	<u>2</u>	<u>3</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>5</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>0.0</u>	<u>0.0</u>	
	Females	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	2	0	0	0	0	0	0	0	2	
		0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	-	0.1	
Total		<u>0</u>	<u>2</u>	<u>1</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>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>0.0</u>	<u>0.0</u>	<u>0.0</u>	

¹ Rate = (total number of cases / total number of visits) * 100, 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>											
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	-	0.0
	Maori	0	1	0	0	0	0	0	0	0	1
		0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
	Unknown	0	1	0	0	0	0	0	0	0	1
		0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Total	0	3	2	0	0	0	0	0	0	5
		0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Females	European/Pakeha	0	5	8	0	0	0	1	0	0	14
		0.0	0.1	0.1	0.0	0.0	0.0	0.5	0.0	-	0.1
	Maori	0	1	2	0	0	0	0	0	0	3
		0.0	0.1	0.2	0.0	0.0	0.0	0.0	0.0	-	0.1
	Pacific Peoples	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
	Other	0	1	1	0	0	0	0	0	0	2
		0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0
Total	0	7	12	0	0	0	1	0	0	20	
	0.0	0.1	0.1	0.0	0.0	0.0	0.2	0.0	0.0	0.1	
<u>Genital Warts (first presentation)</u>											
Males	European/Pakeha	0	2	16	0	0	0	0	0	0	18
		0.0	0.1	0.4	0.0	0.0	0.0	0.0	0.0	-	0.2
	Maori	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	0.1
	Pacific Peoples	0	0	0	1	0	0	0	0	0	1
		0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	-	0.2
	Other	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
Total	0	2	18	1	0	0	0	0	0	21	
	0.0	0.1	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.2	
Females	European/Pakeha	0	6	21	3	0	0	0	0	0	30
		0.0	0.1	0.2	0.2	0.0	0.0	0.0	0.0	-	0.2
	Maori	1	3	2	0	0	0	0	0	0	6
		3.6	0.3	0.2	0.0	0.0	0.0	0.0	0.0	-	0.2
	Pacific Peoples	0	0	2	0	0	0	0	0	0	2
		0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	-	0.2
	Other	0	0	4	0	0	0	0	0	0	4
		0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	-	0.1
Unknown	0	0	2	0	0	0	0	0	0	2	
	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Total	1	9	31	3	0	0	0	0	0	44	
	0.9	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.1	
<u>NSU (Males Only)</u>											
Males	European/Pakeha	0	0	5	0	0	0	0	0	0	5
		0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	-	0.1
	Pacific Peoples	0	0	0	1	0	0	0	0	0	1
		0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	-	0.2
	Other	0	0	1	0	0	0	1	0	0	2
		0.0	0.0	0.1	0.0	0.0	0.0	0.7	0.0	-	0.0
	Unknown	0	0	1	0	0	0	0	0	0	1
		0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0	0	7	1	0	0	1	0	0	9	
	0.0	0.0	0.1	0.1	0.0	0.0	0.3	0.0	0.0	0.0	

¹ Rate = (total number of cases / total number of visits) * 100, 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>