

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

**July to September 2008**

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

by

STI Surveillance Team  
Population and Environmental Health Group  
Institute of Environmental Science & Research Ltd.

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<p><b>This report is also available at <a href="http://www.surv.esr.cri.nz">www.surv.esr.cri.nz</a></b> <b>Ad Hoc STI requests may be emailed to <a href="mailto:survqueries@esr.cri.nz">survqueries@esr.cri.nz</a></b></p>
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## Introduction

In New Zealand, sexually transmitted infections (STIs) are not notifiable and so surveillance efforts are based predominantly on voluntary data from specialist sexual health clinics (SHCs). Since 1998, STI surveillance has been expanded to include data from family planning clinics (FPCs) and student and youth health clinics (SYHCs). At present 27 SHCs, 36 FPCs and 17 SYHCs participate. In addition to clinic surveillance, laboratory surveillance of gonorrhoea began in the Auckland, Waikato and Bay of Plenty (BOP) regions in 1998. Laboratory surveillance of chlamydia began in the Waikato and BOP 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.

Quarterly reports of laboratory-based surveillance are produced separately and are available at [www.surv.esf.cri.nz](http://www.surv.esf.cri.nz).

*All results and analyses are based on data submitted prior to the 13<sup>th</sup> December 2008. Any data submitted after this date is not included in this report due to time constraints. All results should be regarded as provisional.*

## Methods

Clinics record anonymous data on the age, sex and ethnicity of all cases 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.

### ***Clinic Visit Rates***

Quarterly clinic-specific disease rates were calculated by dividing the total number of confirmed reported STI cases by the total number of clinic visits made 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.

The reader should note the following:

- Clinic data cannot be used to calculate population rates.
- STI rates at the different clinical settings are not directly comparable, due to a wide variation in the range of services they provide.
- In contrast to reports published prior to 2004 clinic visit rates are not annualised.
- In contrast to reports published prior to 2007 only confirmed cases are included in case numbers and clinic visit rates.

### ***Data completeness***

#### **SHCs**

Twenty-seven SHCs participate in STI surveillance. Of these, 24 clinics provided STI data by the date required for all three months in the third quarter (July to September) 2008.

#### **FPCs**

Thirty-six FPCs participate in STI surveillance. Of these, thirty-three clinics provided STI data by the date required for all three months in the third quarter (July to September) 2008. FPCs include some outreach clinics based in schools or tertiary institutions, which may have been closed during school holidays.

#### **SYHCs**

Seventeen SYHCs participate in STI surveillance. Of these, 16 clinics provided STI data by the date required for all three months in the third quarter (July to September) 2008. It should be noted that some SYHCs based in schools or tertiary institutions may be closed during holiday periods.

# Overview

## *Sexual Health Clinics (SHCs)*

During the current quarter, SHCs reported 19 212 visits. A total of 1 170 cases of chlamydia, 226 cases of gonorrhoea, 208 cases of genital herpes, 850 cases of genital warts, 15 cases of syphilis and 184 cases of NSU in males were reported. STI rates and comparisons with the equivalent quarter in 2007 are shown in Table 1.

## *Family Planning Clinics (FPCs)*

During the current quarter, FPCs reported 43 676 visits. A total of 852 cases of chlamydia, 35 cases of gonorrhoea, 33 cases of genital herpes, 128 cases of genital warts and 4 cases of NSU in males were reported. There were no cases of syphilis reported in this quarter. STI rates and comparisons with the equivalent quarter in 2007 are shown in Table 1.

## *Student & Youth Health Clinics (SYHCs)*

During the current quarter, SYHCs reported 69 466 visits. A total of 281 cases of chlamydia, 12 cases of gonorrhoea, 22 cases of genital herpes, 74 cases of genital warts and 4 case of NSU in males were reported. There were no cases of syphilis reported in this quarter. STI rates and comparisons with the equivalent quarter in 2007 are shown in Table 1.

Please note that for some diseases because of the large denominator and small number of cases, rates and changes in rates may not be reflected in Table 1. Denominator data is given in Table 1.1.

Table 1. Cases and clinic visit rate of STIs reported by SHCs, FPCs and SYHCs in July to September 2008, compared to the equivalent quarter of 2007.

Clinical setting	STI	July to September 2007		July to September 2008		Clinic Visit Rate <sup>1</sup> change <sup>2</sup> between quarters
		Number of Cases	Clinic Visit Rate <sup>1</sup> (%)	Number of Cases	Clinic Visit Rate <sup>1</sup> (%)	
SHCs	Chlamydia	1174	5.0	1 170	6.1	▲
	Gonorrhoea	252	1.1	226	1.2	▲
	Genital herpes	193	0.8	208	1.1	▲
	Genital warts	950	4.0	850	4.4	▲
	Syphilis	17	0.1	15	0.1	—
	NSU (Males Only)	214	2.2	184	2.3	▲
FPCs	Chlamydia	867	1.7	852	2.0	▲
	Gonorrhoea	46	0.1	35	0.1	—
	Genital herpes	45	0.1	33	0.1	—
	Genital warts	163	0.3	128	0.3	—
	Syphilis	0	0.0	0	0.0	—
	NSU (Males Only)	1	0.0	4	0.2	▲
SYHCs	Chlamydia	245	0.4	281	0.4	—
	Gonorrhoea	20	0.0	12	0.0	—
	Genital herpes	26	0.0	22	0.0	—
	Genital warts	69	0.1	74	0.1	—
	Syphilis	0	0.0	0	0.0	—
	NSU (Males Only)	5	0.0	4	0.0	—

<sup>1</sup> Clinic Visit Rate = (no. of cases/total no. of clinic visits) x 100.

<sup>2</sup> —, no change in rate; ▲, rate increase; ▼, rate decrease. Comparison of crude rates not tested for significance.

# All Clinic Data

**Table 1.1: Summary – Cases and Clinic Visit Rates by Disease and Clinic Type**

Quarter 3 2008

<u>Clinic Type, by area</u>	<u>Total Clinic Visits<sup>1</sup></u>	<u>Chlamydia</u>	<u>Gonorrhoea</u>	<u>Genital Herpes<sup>2</sup></u>	<u>Genital Warts<sup>2</sup></u>	<u>Syphilis*</u>
<b>North</b>						
Sexual Health Clinics	No. 4,224	291	75	32	209	7
	Rate <sup>3</sup>	6.9%	1.8%	0.8%	4.9%	0.2%
Family Planning Clinics	No. 17,525	337	10	7	41	0
	Rate <sup>3</sup>	1.9%	0.1%	0.0%	0.2%	0.0%
Student & Youth Health	No. 9,425	22	0	1	5	0
	Rate <sup>3</sup>	0.2%	0.0%	0.0%	0.1%	0.0%
<b>Subtotal North</b>	<b>31,174</b>	<b>650</b>	<b>85</b>	<b>40</b>	<b>255</b>	<b>7</b>
<b>Midland</b>						
Sexual Health Clinics	No. 5,738	413	63	55	233	0
	Rate <sup>3</sup>	7.2%	1.1%	1.0%	4.1%	0.0%
Family Planning Clinics	No. 6,891	208	9	4	11	0
	Rate <sup>3</sup>	3.0%	0.1%	0.1%	0.2%	0.0%
Student & Youth Health	No. 11,792	20	0	0	3	0
	Rate <sup>3</sup>	0.2%	0.0%	0.0%	0.0%	0.0%
<b>Subtotal Midland</b>	<b>24,421</b>	<b>641</b>	<b>72</b>	<b>59</b>	<b>247</b>	<b>0</b>
<b>Central</b>						
Sexual Health Clinics	No. 5,179	258	47	56	233	6
	Rate <sup>3</sup>	5.0%	0.9%	1.1%	4.5%	0.1%
Family Planning Clinics	No. 9,137	190	9	13	35	0
	Rate <sup>3</sup>	2.1%	0.1%	0.1%	0.4%	0.0%
Student & Youth Health	No. 22,859	148	6	3	23	0
	Rate <sup>3</sup>	0.6%	0.0%	0.0%	0.1%	0.0%
<b>Subtotal Central</b>	<b>37,175</b>	<b>596</b>	<b>62</b>	<b>72</b>	<b>291</b>	<b>6</b>
<b>South</b>						
Sexual Health Clinics	No. 4,071	208	41	65	175	2
	Rate <sup>3</sup>	5.1%	1.0%	1.6%	4.3%	0.0%
Family Planning Clinics	No. 10,123	117	7	9	41	0
	Rate <sup>3</sup>	1.2%	0.1%	0.1%	0.4%	0.0%
Student & Youth Health	No. 25,390	91	6	18	43	0
	Rate <sup>3</sup>	0.4%	0.0%	0.1%	0.2%	0.0%
<b>Subtotal South</b>	<b>39,584</b>	<b>416</b>	<b>54</b>	<b>92</b>	<b>259</b>	<b>2</b>
<b>All</b>						
Sexual Health Clinics	No. 19,212	1,170	226	208	850	15
	Rate.	6.1%	1.2%	1.1%	4.4%	0.1%
Family Planning Clinics	No. 43,676	852	35	33	128	0
	Rate.	2.0%	0.1%	0.1%	0.3%	0.0%
Student & Youth Health	No. 69,466	281	12	22	74	0
	Rate.	0.4%	0.0%	0.0%	0.1%	0.0%
<b>Total</b>	<b>No. 132,354</b>	<b>2,303</b>	<b>273</b>	<b>263</b>	<b>1,052</b>	<b>15</b>
	<b>Rate.</b>	<b>1.7%</b>	<b>0.2%</b>	<b>0.2%</b>	<b>0.8%</b>	<b>0.0%</b>

<sup>1</sup> Total No. of Clinic Visits = total no. of clinics visits for report period for any reason

<sup>2</sup> First presentation at that clinic.

<sup>3</sup> Rate = (no. of cases/total no. of clinic visits) x100, expressed as a percentage

\* Infectious syphilis (primary, secondary and early latent)

**Table 1.2: Summary - Chlamydia Site of Infection**

Quarter 3 2008

	Confirmed						Total³
	Uncomplicated, lower anogenital		PID/epididymitis		Other site		
	No.¹	%²	No.¹	%²	No.¹	%²	No.¹
Sexual Health Clinics	1112	95.0%	44	3.8%	15	1.3%	1171
Family Planning Clinics	843	98.8%	9	1.1%	1	0.1%	853
Student & Youth Health Clinics	279	99.3%	1	0.4%	1	0.4%	281
Total	2234	96.9%	54	2.3%	17	0.7%	2305

**Table 1.3: Summary - Gonorrhoea Site of Infection**

Quarter 3 2008

	Confirmed										Total <sup>3</sup> No. <sup>1</sup>
	Uncomplicated infection				PID/ epididymitis		Extra-genital				
	Urogenital		Anorectal				Pharynx		Other site		
	No. <sup>1</sup>	% <sup>2</sup>	No. <sup>1</sup>	% <sup>2</sup>	No. <sup>1</sup>	% <sup>2</sup>	No. <sup>1</sup>	% <sup>2</sup>	No. <sup>1</sup>	% <sup>2</sup>	
Sexual Health Clinics	209	92.5%	9	4.0%	3	1.3%	3	1.3%	2	0.9%	226
Family Planning Clinics	34	97.1%	0	0.0%	1	2.9%	0	0.0%	0	0.0%	35
Student & Youth Health Clinic	11	91.7%	1	8.3%	0	0.0%	0	0.0%	0	0.0%	12
Total	254	93.0%	10	3.7%	4	1.5%	3	1.1%	2	0.7%	273

<sup>1</sup> No. = no. of diagnoses by site<sup>2</sup> % = no. of diagnoses by site/total no. of diagnoses by clinic type, x100<sup>3</sup> Total = total no. of diagnoses by clinic type; note that some cases may be counted more than once if the disease was confirmed at more than one site.

# Sexual Health Clinic (SHC) Data

## Chlamydia

**Table 2.1: Chlamydia - Cases and Clinic Visit Rates by SHC**

Quarter 3

<u>Total Clinic Visits<sup>1</sup></u>			<u>2007</u>		<u>2008</u>	
<u>2007</u>	<u>2008</u>	<u>Clinic</u>	<u>Total</u>	<u>No.</u>	<u>Rate<sup>2</sup></u>	<u>Total</u>
				<u>No.</u>	<u>Rate<sup>2</sup></u>	<u>No.</u>
611	687	Whangarei	34	5.6%	51	7.4%
130	0	Dargaville	3	2.3%	0	0.0%
78	73	Kaikohe	10	12.8%	5	6.8%
7598	3464	Auckland	249	3.3%	235	6.8%
<b>8417</b>	<b>4224</b>	<b>North</b>	<b>296</b>	<b>3.5%</b>	<b>291</b>	<b>6.9%</b>
2056	2397	Hamilton	123	6.0%	168	7.0%
1859	1861	Tauranga	146	7.9%	106	5.7%
309	270	Rotorua	12	3.9%	11	4.1%
231	477	Whakatane	29	12.6%	40	8.4%
243	281	Taupo	14	5.8%	41	14.6%
551	351	New Plymouth	83	15.1%	39	11.1%
803	101	Gisborne	59	7.3%	8	7.9%
<b>6052</b>	<b>5738</b>	<b>Midland</b>	<b>466</b>	<b>7.7%</b>	<b>413</b>	<b>7.2%</b>
323	296	Napier	32	9.9%	56	18.9%
141	127	Hastings	22	15.6%	32	25.2%
283	188	Wanganui	7	2.5%	19	10.1%
1049	1018	Palmerston North/Levin/Dannevirke	81	7.7%	42	4.1%
2075	2459	Wellington	59	2.8%	67	2.7%
241	320	Lower Hutt	2	0.8%	12	3.8%
148	66	Porirua	18	12.2%	4	6.1%
511	525	Nelson	16	3.1%	19	3.6%
119	180	Wairau (Blenheim)	5	4.2%	7	3.9%
<b>4890</b>	<b>5179</b>	<b>Central</b>	<b>242</b>	<b>4.9%</b>	<b>258</b>	<b>5.0%</b>
163	132	Greymouth	4	2.5%	14	10.6%
122	137	Westport/Buller	11	9.0%	9	6.6%
2216	2268	Christchurch	55	2.5%	100	4.4%
1	28	Ashburton	0	0.0%	0	0.0%
162	157	Timaru	10	6.2%	6	3.8%
856	821	Dunedin	36	4.2%	35	4.3%
594	528	Invercargill/Gore/Wyndham	54	9.1%	44	8.3%
<b>4114</b>	<b>4071</b>	<b>South</b>	<b>170</b>	<b>4.1%</b>	<b>208</b>	<b>5.1%</b>
<b>23473</b>	<b>19212</b>	<b>Total</b>	<b>1174</b>	<b>5.0%</b>	<b>1170</b>	<b>6.1%</b>

<sup>1</sup> Total No. of Clinic Visits = total no. of clinic visits for the report period for any reason.

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

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 2.2: Chlamydia - Cases and Clinic Visit Rates<sup>1</sup> by Age, Sex and Ethnicity at SHCs**

Quarter 3 2008

		Age group (years)								Unk	Total
		<15	15-19	20-24	25-29	30-34	35-39	40-44	>44		
<b>Males</b>	European/Pakeha	0	53	121	51	23	12	9	16	0	285
		0.0	8.5	7.7	5.3	3.2	2.4	2.1	2.2	0.0	5.1
	Maori	1	67	61	19	10	6	3	3	0	170
		11.1	28.0	18.6	10.4	7.9	6.9	8.1	5.1	-	15.9
	Pacific Peoples	0	15	8	14	3	0	3	0	0	43
		0.0	35.7	11.4	19.7	9.7	0.0	15.0	0.0	-	15.0
	Other	0	3	8	8	7	7	2	1	0	36
		0.0	9.4	3.8	3.0	4.2	6.7	2.5	0.7	-	3.6
	Unknown	0	1	2	1	1	1	0	0	0	6
		0.0	3.8	6.5	4.5	8.3	8.3	0.0	0.0	-	4.2
<b>Total</b>		<b>1</b>	<b>139</b>	<b>200</b>	<b>93</b>	<b>44</b>	<b>26</b>	<b>17</b>	<b>20</b>	<b>0</b>	<b>540</b>
		<b>4.0</b>	<b>14.4</b>	<b>9.0</b>	<b>6.2</b>	<b>4.1</b>	<b>3.5</b>	<b>3.0</b>	<b>2.0</b>	<b>0.0</b>	<b>6.7</b>
<b>Females</b>	European/Pakeha	2	142	86	24	6	5	3	2	1	271
		1.7	6.1	4.6	2.5	1.1	1.2	1.1	0.5	10.0	3.9
	Maori	14	142	78	23	13	5	0	3	2	280
		12.8	15.4	11.6	7.7	6.0	4.9	0.0	3.3	33.3	11.3
	Pacific Peoples	0	9	11	8	5	1	0	2	0	36
		0.0	12.9	10.5	13.3	22.7	5.6	0.0	7.1	-	11.5
	Other	0	8	9	6	7	0	1	1	1	33
		0.0	6.6	3.7	2.5	4.6	0.0	1.5	1.1	20.0	3.3
	Unknown	0	5	4	1	0	0	0	0	0	10
		0.0	5.6	5.3	5.6	0.0	0.0	0.0	0.0	0.0	3.7
<b>Total</b>		<b>16</b>	<b>306</b>	<b>188</b>	<b>62</b>	<b>31</b>	<b>11</b>	<b>4</b>	<b>8</b>	<b>4</b>	<b>630</b>
		<b>6.8</b>	<b>8.7</b>	<b>6.3</b>	<b>3.9</b>	<b>3.2</b>	<b>1.7</b>	<b>0.9</b>	<b>1.2</b>	<b>18.2</b>	<b>5.7</b>

<sup>1</sup>Rate = (no. of cases/total no. of clinic visits) x 100, expressed as a percentage

# Gonorrhoea

**Table 2.3: Gonorrhoea – Cases and Clinic Visit Rates by SHC**

Quarter 3

<u>Total Clinic Visits<sup>1</sup></u>			<u>2007</u>		<u>2008</u>	
<u>2007</u>	<u>2008</u>	<u>Clinic</u>	<u>Total</u>	<u>No.</u>	<u>Rate<sup>2</sup></u>	<u>Total</u>
611	687	Whangarei	4	0.7%	18	2.6%
130	0	Dargaville	0	0.0%	0	0.0%
78	73	Kaikohe	0	0.0%	0	0.0%
7598	3464	Auckland	84	1.1%	57	1.6%
<b>8417</b>	<b>4224</b>	<b>North</b>	<b>88</b>	<b>1.0%</b>	<b>75</b>	<b>1.8%</b>
2056	2397	Hamilton	22	1.1%	28	1.2%
1859	1861	Tauranga	22	1.2%	15	0.8%
309	270	Rotorua	2	0.6%	5	1.9%
231	477	Whakatane	5	2.2%	0	0.0%
243	281	Taupo	1	0.4%	3	1.1%
551	351	New Plymouth	16	2.9%	4	1.1%
803	101	Gisborne	6	0.7%	8	7.9%
<b>6052</b>	<b>5738</b>	<b>Midland</b>	<b>74</b>	<b>1.2%</b>	<b>63</b>	<b>1.1%</b>
323	296	Napier	6	1.9%	16	5.4%
141	127	Hastings	3	2.1%	11	8.7%
283	188	Wanganui	3	1.1%	0	0.0%
1049	1018	Palmerston North/Levin/Dannevirke	7	0.7%	2	0.2%
2075	2459	Wellington	19	0.9%	14	0.6%
241	320	Lower Hutt	3	1.2%	0	0.0%
148	66	Porirua	4	2.7%	2	3.0%
511	525	Nelson	6	1.2%	2	0.4%
119	180	Wairau (Blenheim)	2	1.7%	0	0.0%
<b>4890</b>	<b>5179</b>	<b>Central</b>	<b>53</b>	<b>1.1%</b>	<b>47</b>	<b>0.9%</b>
163	132	Greymouth	6	3.7%	3	2.3%
122	137	Westport/Buller	3	2.5%	0	0.0%
2216	2268	Christchurch	13	0.6%	25	1.1%
1	28	Ashburton	0	0.0%	0	0.0%
162	157	Timaru	2	1.2%	0	0.0%
856	821	Dunedin	3	0.4%	5	0.6%
594	528	Invercargill/Gore/Wyndham	10	1.7%	8	1.5%
<b>4114</b>	<b>4071</b>	<b>South</b>	<b>37</b>	<b>0.9%</b>	<b>41</b>	<b>1.0%</b>
<b>23473</b>	<b>19212</b>	<b>Total</b>	<b>252</b>	<b>1.1%</b>	<b>226</b>	<b>1.2%</b>

<sup>1</sup> Total No. of Clinic Visits = total no. of clinic visits for the report period for any reason.

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

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 2.4: Gonorrhoea - Cases and Clinic Visit Rates<sup>1</sup> by Age, Sex and Ethnicity at SHCs**

Quarter 3 2008

		Age group (years)								Unk	Total
		<15	15-19	20-24	25-29	30-34	35-39	40-44	>44		
<b>Males</b>	European/Pakeha	1	11	18	12	8	4	7	8	0	69
		6.7	1.8	1.1	1.2	1.1	0.8	1.7	1.1	0.0	1.2
	Maori	1	18	25	6	3	2	0	0	0	55
		11.1	7.5	7.6	3.3	2.4	2.3	0.0	0.0	-	5.1
	Pacific Peoples	0	5	4	0	0	0	0	0	0	9
		0.0	11.9	5.7	0.0	0.0	0.0	0.0	0.0	-	3.1
	Other	0	1	1	3	0	1	0	1	0	7
		0.0	3.1	0.5	1.1	0.0	1.0	0.0	0.7	-	0.7
	Unknown	0	2	1	0	0	0	1	0	0	4
		0.0	11.1	1.7	0.0	0.0	0.0	7.1	0.0	-	2.3
<b>Total</b>		<b>2</b>	<b>37</b>	<b>49</b>	<b>21</b>	<b>11</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>0</b>	<b>144</b>
		<b>8.3</b>	<b>3.9</b>	<b>2.2</b>	<b>1.4</b>	<b>1.0</b>	<b>0.9</b>	<b>1.4</b>	<b>0.9</b>	<b>0.0</b>	<b>1.8</b>
<b>Females</b>	European/Pakeha	0	16	4	1	0	1	0	0	0	22
		0.0	0.7	0.2	0.1	0.0	0.2	0.0	0.0	0.0	0.3
	Maori	1	22	14	4	3	3	2	0	0	49
		0.9	2.4	2.1	1.3	1.4	2.9	2.8	0.0	0.0	2.0
	Pacific Peoples	0	1	4	3	0	0	0	0	0	8
		0.0	1.4	3.8	5.0	0.0	0.0	0.0	0.0	-	2.6
	Other	0	0	0	1	0	1	0	0	0	2
		0.0	0.0	0.0	0.7	0.0	1.9	0.0	0.0	0.0	0.3
	Unknown	0	0	0	1	0	0	0	0	0	1
		0.0	0.0	0.0	9.1	0.0	0.0	0.0	0.0	-	1.0
<b>Total</b>		<b>1</b>	<b>39</b>	<b>22</b>	<b>10</b>	<b>3</b>	<b>5</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>82</b>
		<b>0.4</b>	<b>1.1</b>	<b>0.8</b>	<b>0.7</b>	<b>0.3</b>	<b>0.8</b>	<b>0.5</b>	<b>0.0</b>	<b>0.0</b>	<b>0.8</b>

<sup>1</sup>Rate = (no. of cases/total no. of clinic visits) x 100, expressed as a percentage

## Genital Herpes (First presentation)

**Table 2.5: Genital Herpes – Cases and Clinic Visit Rates by SHC**

Quarter 3

<u>Total Clinic Visits<sup>1</sup></u>			<u>2007</u>		<u>2008</u>	
<u>2007</u>	<u>2008</u>	<u>Clinic</u>	<u>Total</u>	<u>No.</u>	<u>Rate<sup>2</sup></u>	<u>Total</u>
611	687	Whangarei	3	0.5%	5	0.7%
130	0	Dargaville	0	0.0%	0	0.0%
78	73	Kaikohe	1	1.3%	0	0.0%
7598	3464	Auckland	44	0.6%	27	0.8%
<b>8417</b>	<b>4224</b>	<b>North</b>	<b>48</b>	<b>0.6%</b>	<b>32</b>	<b>0.8%</b>
2056	2397	Hamilton	21	1.0%	30	1.3%
1859	1861	Tauranga	12	0.6%	21	1.1%
309	270	Rotorua	4	1.3%	0	0.0%
231	477	Whakatane	0	0.0%	1	0.2%
243	281	Taupo	2	0.8%	0	0.0%
551	351	New Plymouth	5	0.9%	3	0.9%
803	101	Gisborne	2	0.2%	0	0.0%
<b>6052</b>	<b>5738</b>	<b>Midland</b>	<b>46</b>	<b>0.8%</b>	<b>55</b>	<b>1.0%</b>
323	296	Napier	3	0.9%	5	1.7%
141	127	Hastings	2	1.4%	3	2.4%
283	188	Wanganui	2	0.7%	3	1.6%
1049	1018	Palmerston North/Levin/Dannevirke	5	0.5%	11	1.1%
2075	2459	Wellington	22	1.1%	23	0.9%
241	320	Lower Hutt	3	1.2%	4	1.3%
148	66	Porirua	0	0.0%	0	0.0%
511	525	Nelson	4	0.8%	5	1.0%
119	180	Wairau (Blenheim)	3	2.5%	2	1.1%
<b>4890</b>	<b>5179</b>	<b>Central</b>	<b>44</b>	<b>0.9%</b>	<b>56</b>	<b>1.1%</b>
163	132	Greymouth	0	0.0%	5	3.8%
122	137	Westport/Buller	0	0.0%	4	2.9%
2216	2268	Christchurch	31	1.4%	32	1.4%
1	28	Ashburton	0	0.0%	0	0.0%
162	157	Timaru	3	1.9%	2	1.3%
856	821	Dunedin	10	1.2%	13	1.6%
594	528	Invercargill/Gore/Wyndham	11	1.9%	9	1.7%
<b>4114</b>	<b>4071</b>	<b>South</b>	<b>55</b>	<b>1.3%</b>	<b>65</b>	<b>1.6%</b>
<b>23473</b>	<b>19212</b>	<b>Total</b>	<b>193</b>	<b>0.8%</b>	<b>208</b>	<b>1.1%</b>

<sup>1</sup> Total No. of Clinic Visits = total no. of clinic visits for the report period for any reason.

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

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 2.6: Genital Herpes - Cases and Clinic Visit Rates<sup>1</sup> by Age, Sex and Ethnicity at SHCs**

Quarter 3 2008

		Age group (years)								Unk	Total
		<15	15-19	20-24	25-29	30-34	35-39	40-44	>44		
<b>Males</b>	European/Pakeha	0	4	19	11	8	9	8	14	0	73
		0.0	0.6	1.2	1.1	1.1	1.8	1.9	1.9	0.0	1.3
	Maori	0	5	4	1	1	1	1	0	0	13
		0.0	2.1	1.2	0.5	0.8	1.1	2.7	0.0	-	1.2
	Pacific Peoples	0	0	0	1	0	1	0	0	0	2
		0.0	0.0	0.0	1.9	0.0	3.6	0.0	0.0	-	1.0
	Other	0	0	2	2	2	0	2	0	0	8
		0.0	0.0	0.9	0.8	1.2	0.0	2.5	0.0	-	0.8
	Unknown	0	0	4	3	0	0	0	0	0	7
		0.0	0.0	6.9	13.6	0.0	0.0	0.0	0.0	-	4.1
<b>Total</b>		<u>0</u>	<u>9</u>	<u>29</u>	<u>18</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>14</u>	<u>0</u>	<u>103</u>
		<u>0.0</u>	<u>1.0</u>	<u>1.3</u>	<u>1.2</u>	<u>1.0</u>	<u>1.5</u>	<u>1.9</u>	<u>1.4</u>	<u>0.0</u>	<u>1.3</u>
<b>Females</b>	European/Pakeha	0	16	22	9	12	3	5	11	0	78
		0.0	0.7	1.2	0.9	2.2	0.7	1.9	2.6	0.0	1.1
	Maori	0	2	1	2	4	2	0	0	0	11
		0.0	0.2	0.1	0.7	1.9	2.0	0.0	0.0	0.0	0.4
	Pacific Peoples	0	1	0	0	0	0	0	0	0	1
		0.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	-	0.5
	Other	0	0	2	3	1	0	1	4	0	11
		0.0	0.0	0.8	1.3	0.7	0.0	1.5	4.2	0.0	1.1
	Unknown	0	1	2	0	0	1	0	0	0	4
		0.0	1.1	2.7	0.0	0.0	4.3	0.0	0.0	0.0	1.5
<b>Total</b>		<u>0</u>	<u>20</u>	<u>27</u>	<u>14</u>	<u>17</u>	<u>6</u>	<u>6</u>	<u>15</u>	<u>0</u>	<u>105</u>
		<u>0.0</u>	<u>0.6</u>	<u>0.9</u>	<u>0.9</u>	<u>1.8</u>	<u>0.9</u>	<u>1.4</u>	<u>2.3</u>	<u>0.0</u>	<u>1.0</u>

<sup>1</sup>Rate = (no. of cases/total no. of clinic visits) x 100, expressed as a percentage

## Genital Warts (First presentation)

**Table 2.7: Genital Warts – Cases and Clinic Visit Rates by SHC**

Quarter 3

<u>Total Clinic Visits<sup>1</sup></u>			<u>2007</u>		<u>2008</u>	
<u>2007</u>	<u>2008</u>	<u>Clinic</u>	<u>Total</u>	<u>No.</u>	<u>Rate<sup>2</sup></u>	<u>Total</u>
				<u>No.</u>	<u>Rate<sup>2</sup></u>	<u>No.</u>
611	687	Whangarei	30	4.9%	12	1.7%
130	0	Dargaville	1	0.8%	0	0.0%
78	73	Kaikohe	0	0.0%	0	0.0%
7598	3464	Auckland	296	3.9%	197	5.7%
<b>8417</b>	<b>4224</b>	<b>North</b>	<b>327</b>	<b>3.9%</b>	<b>209</b>	<b>4.9%</b>
2056	2397	Hamilton	114	5.5%	123	5.1%
1859	1861	Tauranga	61	3.3%	57	3.1%
309	270	Rotorua	21	6.8%	24	8.9%
231	477	Whakatane	19	8.2%	12	2.5%
243	281	Taupo	10	4.1%	4	1.4%
551	351	New Plymouth	26	4.7%	13	3.7%
803	101	Gisborne	0	0.0%	0	0.0%
<b>6052</b>	<b>5738</b>	<b>Midland</b>	<b>251</b>	<b>4.1%</b>	<b>233</b>	<b>4.1%</b>
323	296	Napier	11	3.4%	22	7.4%
141	127	Hastings	8	5.7%	14	11.0%
283	188	Wanganui	13	4.6%	10	5.3%
1049	1018	Palmerston North/Levin/Dannevirke	31	3.0%	28	2.8%
2075	2459	Wellington	66	3.2%	93	3.8%
241	320	Lower Hutt	16	6.6%	21	6.6%
148	66	Porirua	8	5.4%	2	3.0%
511	525	Nelson	21	4.1%	28	5.3%
119	180	Wairau (Blenheim)	18	15.1%	15	8.3%
<b>4890</b>	<b>5179</b>	<b>Central</b>	<b>192</b>	<b>3.9%</b>	<b>233</b>	<b>4.5%</b>
163	132	Greymouth	3	1.8%	2	1.5%
122	137	Westport/Buller	4	3.3%	2	1.5%
2216	2268	Christchurch	83	3.7%	75	3.3%
1	28	Ashburton	0	0.0%	1	3.6%
162	157	Timaru	15	9.3%	12	7.6%
856	821	Dunedin	31	3.6%	48	5.8%
594	528	Invercargill/Gore/Wyndham	44	7.4%	35	6.6%
<b>4114</b>	<b>4071</b>	<b>South</b>	<b>180</b>	<b>4.4%</b>	<b>175</b>	<b>4.3%</b>
<b>23473</b>	<b>19212</b>	<b>Total</b>	<b>950</b>	<b>4.0%</b>	<b>850</b>	<b>4.4%</b>

<sup>1</sup> Total No. of Clinic Visits = total no. of clinic visits for the report period for any reason.

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

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 2.8: Genital Warts - Cases and Clinic Visit Rates<sup>1</sup> by Age, Sex and Ethnicity at SHCs**

Quarter 3 2008

		Age group (years)								Unk	Total
		<15	15-19	20-24	25-29	30-34	35-39	40-44	>44		
<b>Males</b>	European/Pakeha	1	44	104	60	29	21	11	20	0	290
		6.7	7.1	6.6	6.2	4.0	4.3	2.6	2.7	0.0	5.2
	Maori	1	22	13	8	4	3	2	0	0	53
		11.1	9.2	4.0	4.4	3.2	3.4	5.4	0.0	-	5.0
	Pacific Peoples	0	4	10	2	3	0	0	0	0	19
		0.0	9.5	14.3	2.8	9.7	0.0	0.0	0.0	-	6.6
	Other	0	0	10	9	2	1	1	3	0	26
		0.0	0.0	4.7	3.4	1.2	1.0	1.3	2.0	-	2.6
	Unknown	0	4	4	6	1	3	0	3	0	21
		0.0	11.8	5.9	17.6	4.2	14.3	0.0	6.4	-	8.6
<b>Total</b>		<b>2</b>	<b>74</b>	<b>141</b>	<b>85</b>	<b>39</b>	<b>28</b>	<b>14</b>	<b>26</b>	<b>0</b>	<b>409</b>
		<b>8.0</b>	<b>7.6</b>	<b>6.3</b>	<b>5.6</b>	<b>3.6</b>	<b>3.8</b>	<b>2.4</b>	<b>2.6</b>	<b>0.0</b>	<b>5.0</b>
<b>Females</b>	European/Pakeha	3	150	77	32	13	12	5	8	1	301
		2.5	6.5	4.1	3.3	2.4	2.8	1.9	1.9	10.0	4.3
	Maori	2	50	24	5	4	3	0	2	0	90
		1.8	5.4	3.6	1.7	1.9	2.9	0.0	2.2	0.0	3.6
	Pacific Peoples	0	5	5	5	0	0	1	0	0	16
		0.0	7.1	4.8	8.3	0.0	0.0	12.5	0.0	-	5.1
	Other	0	3	8	6	3	3	1	2	0	26
		0.0	2.5	3.3	2.5	2.0	3.4	1.5	2.1	0.0	2.6
	Unknown	0	6	1	0	0	0	1	0	0	8
		0.0	6.7	1.3	0.0	0.0	0.0	4.5	0.0	0.0	3.0
<b>Total</b>		<b>5</b>	<b>214</b>	<b>115</b>	<b>48</b>	<b>20</b>	<b>18</b>	<b>8</b>	<b>12</b>	<b>1</b>	<b>441</b>
		<b>2.1</b>	<b>6.1</b>	<b>3.9</b>	<b>3.0</b>	<b>2.1</b>	<b>2.7</b>	<b>1.9</b>	<b>1.8</b>	<b>4.5</b>	<b>4.0</b>

<sup>1</sup>Rate = (no. of cases/total no. of clinic visits) x 100, expressed as a percentage

# Syphilis

**Table 2.9: Syphilis – Cases and Clinic Visit Rates by SHC**

Quarter 3

<u>Total Clinic Visits<sup>1</sup></u>			<u>2007</u>		<u>2008</u>	
<u>2007</u>	<u>2008</u>	<u>Clinic</u>	<u>Total</u>		<u>Total</u>	
			<u>No.</u>	<u>Rate<sup>2</sup></u>	<u>No.</u>	<u>Rate<sup>2</sup></u>
611	687	Whangarei	0	0.0%	0	0.0%
130	0	Dargaville	0	0.0%	0	0.0%
78	73	Kaikohe	0	0.0%	0	0.0%
7598	3464	Auckland	14	0.2%	7	0.2%
<b>8417</b>	<b>4224</b>	<b>North</b>	<b>14</b>	<b>0.2%</b>	<b>7</b>	<b>0.2%</b>
2056	2397	Hamilton	1	0.0%	0	0.0%
1859	1861	Tauranga	0	0.0%	0	0.0%
309	270	Rotorua	0	0.0%	0	0.0%
231	477	Whakatane	0	0.0%	0	0.0%
243	281	Taupo	0	0.0%	0	0.0%
551	351	New Plymouth	0	0.0%	0	0.0%
803	101	Gisborne	0	0.0%	0	0.0%
<b>6052</b>	<b>5738</b>	<b>Midland</b>	<b>1</b>	<b>0.0%</b>	<b>0</b>	<b>0.0%</b>
323	296	Napier	0	0.0%	0	0.0%
141	127	Hastings	0	0.0%	0	0.0%
283	188	Wanganui	0	0.0%	0	0.0%
1049	1018	Palmerston North/Levin/Dannevirke	0	0.0%	1	0.1%
2075	2459	Wellington	2	0.1%	4	0.2%
241	320	Lower Hutt	0	0.0%	0	0.0%
148	66	Porirua	0	0.0%	0	0.0%
511	525	Nelson	0	0.0%	1	0.2%
119	180	Wairau (Blenheim)	0	0.0%	0	0.0%
<b>4890</b>	<b>5179</b>	<b>Central</b>	<b>2</b>	<b>0.0%</b>	<b>6</b>	<b>0.1%</b>
163	132	Greymouth	0	0.0%	0	0.0%
122	137	Westport/Buller	0	0.0%	0	0.0%
2216	2268	Christchurch	0	0.0%	1	0.0%
1	28	Ashburton	0	0.0%	0	0.0%
162	157	Timaru	0	0.0%	0	0.0%
856	821	Dunedin	0	0.0%	1	0.1%
594	528	Invercargill/Gore/Wyndham	0	0.0%	0	0.0%
<b>4114</b>	<b>4071</b>	<b>South</b>	<b>0</b>	<b>0.0%</b>	<b>2</b>	<b>0.0%</b>
<b>23473</b>	<b>19212</b>	<b>Total</b>	<b>17</b>	<b>0.1%</b>	<b>15</b>	<b>0.1%</b>

<sup>1</sup> Total No. of Clinic Visits = total no. of clinic visits for the report period for any reason.

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

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 2.10: Syphilis - Cases and Clinic Visit Rates<sup>1</sup> by Age, Sex and Ethnicity at SHCs**

Quarter 3 2008

		Age group (years)							Unk	Total
		<15	15-19	20-24	25-29	30-34	35-39	40-44		
<b>Males</b>	European/Pakeha	0	0	2	0	0	2	1	4	9
		0.0	0.0	0.1	0.0	0.0	0.4	0.2	0.5	0.2
	Pacific Peoples	0	0	0	0	0	1	0	0	1
		0.0	0.0	0.0	0.0	0.0	6.3	0.0	0.0	0.6
	Other	0	1	0	1	0	0	0	1	3
<b>Females</b>		0.0	3.1	0.0	0.4	0.0	0.0	0.0	0.7	0.3
	<b>Total</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>3</b>	<b>1</b>	<b>5</b>	<b>13</b>
		<b>0.0</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.0</b>	<b>0.5</b>	<b>0.2</b>	<b>0.5</b>	<b>0.2</b>
	European/Pakeha	0	0	0	0	0	0	0	1	1
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0
<b>Females</b>	Maori	0	0	0	1	0	0	0	0	1
		0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.1
	<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>2</b>
		<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.3</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.7</b>	<b>0.1</b>

<sup>1</sup>Rate = (no. of cases/total no. of clinic visits) x 100, expressed as a percentage

## NSU (Males Only)

**Table 2.11: NSU (Males Only) – Cases and Clinic Visit Rates by SHC**

Quarter 3

<u>Total Clinic Visits for males<sup>1</sup></u>			<u>2007</u>		<u>2008</u>	
<u>2007</u>	<u>2008</u>	<u>Clinic</u>	<u>Total</u>		<u>Total</u>	
			<u>No.</u>	<u>Rate<sup>2</sup></u>	<u>No.</u>	<u>Rate<sup>2</sup></u>
141	171	Whangarei	0	0.0%	0	0.0%
9	0	Dargaville	0	0.0%	0	0.0%
13	4	Kaikohe	0	0.0%	0	0.0%
3776	1824	Auckland	124	3.3%	79	4.3%
<b>3939</b>	<b>1999</b>	<b>North</b>	<b>124</b>	<b>3.1%</b>	<b>79</b>	<b>4.0%</b>
813	1034	Hamilton	18	2.2%	0	0.0%
449	402	Tauranga	18	4.0%	13	3.2%
99	98	Rotorua	0	0.0%	0	0.0%
47	70	Whakatane	0	0.0%	0	0.0%
87	86	Taupo	1	1.1%	0	0.0%
227	149	New Plymouth	15	6.6%	14	9.4%
83	19	Gisborne	0	0.0%	0	0.0%
<b>1805</b>	<b>1858</b>	<b>Midland</b>	<b>52</b>	<b>2.9%</b>	<b>27</b>	<b>1.5%</b>
65	76	Napier	0	0.0%	0	0.0%
21	16	Hastings	0	0.0%	0	0.0%
108	49	Wanganui	0	0.0%	0	0.0%
451	431	Palmerston North/Levin/Dannevirke	8	1.8%	22	5.1%
1090	1423	Wellington	0	0.0%	15	1.1%
104	153	Lower Hutt	0	0.0%	2	1.3%
72	31	Porirua	0	0.0%	0	0.0%
268	265	Nelson	4	1.5%	4	1.5%
87	92	Wairau (Blenheim)	0	0.0%	0	0.0%
<b>2266</b>	<b>2536</b>	<b>Central</b>	<b>12</b>	<b>0.5%</b>	<b>43</b>	<b>1.7%</b>
53	51	Greymouth	0	0.0%	0	0.0%
27	47	Westport/Buller	1	3.7%	1	2.1%
1123	1184	Christchurch	17	1.5%	26	2.2%
1	5	Ashburton	0	0.0%	0	0.0%
72	66	Timaru	0	0.0%	0	0.0%
283	242	Dunedin	1	0.4%	1	0.4%
276	185	Invercargill/Gore/Wyndham	7	2.5%	7	3.8%
<b>1835</b>	<b>1780</b>	<b>South</b>	<b>26</b>	<b>1.4%</b>	<b>35</b>	<b>2.0%</b>
<b>9845</b>	<b>8173</b>	<b>Total</b>	<b>214</b>	<b>2.2%</b>	<b>184</b>	<b>2.3%</b>

<sup>1</sup> Total No. of Clinic Visits = total no. of clinic visits for the report period for any reason.

<sup>2</sup> Rate = (no. of cases/total no. of clinic visits for males) x 100, expressed as a percentage.

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 2.12: NSU (Males only) - Cases and Clinic Visit Rates<sup>1</sup> by Age, Sex and Ethnicity at SHCs**

Quarter 3 2008

		Age group (years)									
		<15	15-19	20-24	25-29	30-34	35-39	40-44	>44	Unk	Total
Males	European/Pakeha	0	10	31	24	17	10	12	16	0	120
		0.0	1.6	2.0	2.5	2.3	2.0	2.9	2.2	0.0	2.2
	Maori	0	2	6	6	6	1	3	0	0	24
		0.0	0.8	1.8	3.3	4.8	1.1	8.1	0.0	-	2.2
	Pacific Peoples	0	1	4	4	1	2	0	0	0	12
		0.0	2.4	5.7	5.6	3.2	5.1	0.0	0.0	-	4.2
	Other	0	3	5	6	3	2	1	3	0	23
		0.0	9.4	2.4	2.3	1.8	1.9	1.3	2.0	-	2.3
	Unknown	0	0	0	1	0	2	0	2	0	5
		0.0	0.0	0.0	2.9	0.0	9.5	0.0	4.3	-	2.0
Total	0	16	46	41	27	17	16	21	0	184	
	0.0	1.6	2.0	2.7	2.5	2.3	2.8	2.1	0.0	2.3	

<sup>1</sup>Rate = (no. of cases/total no. of clinic visits) x 100, expressed as a percentage

# Family Planning Clinic (FPC) Data

**Table 3.2: Chlamydia - Cases and Clinic Visit Rates<sup>1</sup> by Age, Sex and Ethnicity at FPCs**

Quarter 3 2008

		Age group (years)								Unk	Total
		<15	15-19	20-24	25-29	30-34	35-39	40-44	>44		
<b>Males</b>	European/Pakeha	0	34	21	5	2	3	0	0	0	65
		0.0	8.2	4.5	3.5	1.7	3.1	0.0	0.0	0.0	4.6
	Maori	0	18	9	1	0	0	0	0	0	28
		0.0	17.5	14.8	4.3	0.0	0.0	0.0	0.0	-	12.2
	Pacific Peoples	0	4	5	1	0	0	0	0	0	10
		0.0	8.9	19.2	10.0	0.0	0.0	0.0	0.0	-	10.2
	Other	0	7	10	5	0	0	0	0	0	22
		0.0	7.2	11.8	11.4	0.0	0.0	0.0	0.0	-	7.3
	Unknown	0	1	3	0	0	0	0	0	0	4
		0.0	5.6	15.0	0.0	0.0	0.0	0.0	0.0	-	6.1
<b>Total</b>		<b>0</b>	<b>64</b>	<b>48</b>	<b>12</b>	<b>2</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>129</b>
		<b>0.0</b>	<b>9.4</b>	<b>7.3</b>	<b>5.2</b>	<b>1.2</b>	<b>2.3</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>6.1</b>
<b>Females</b>	European/Pakeha	6	183	110	26	13	7	5	0	0	350
		1.3	2.0	1.4	0.7	0.6	0.4	0.4	0.0	0.0	1.3
	Maori	8	77	40	15	5	1	0	0	0	146
		3.7	4.9	4.0	3.2	1.9	0.5	0.0	0.0	0.0	3.8
	Pacific Peoples	1	39	24	9	2	0	0	0	0	75
		3.0	6.7	5.1	4.3	1.3	0.0	0.0	0.0	-	4.5
	Other	3	74	37	18	2	1	0	0	0	135
		2.4	3.7	2.0	1.7	0.3	0.2	0.0	0.0	-	2.0
	Unknown	0	9	3	2	1	1	0	1	0	17
		0.0	2.2	1.3	1.3	0.6	0.9	0.0	0.7	0.0	1.3
<b>Total</b>		<b>18</b>	<b>382</b>	<b>214</b>	<b>70</b>	<b>23</b>	<b>10</b>	<b>5</b>	<b>1</b>	<b>0</b>	<b>723</b>
		<b>2.1</b>	<b>2.8</b>	<b>1.9</b>	<b>1.3</b>	<b>0.7</b>	<b>0.4</b>	<b>0.3</b>	<b>0.0</b>	<b>0.0</b>	<b>1.7</b>

<sup>1</sup>Rate = (no. of cases/total no. of clinic visits) x 100, expressed as a percentage

# Gonorrhoea

**Table 3.4: Gonorrhoea - Cases and Clinic Visit Rates<sup>1</sup> by Age, Sex and Ethnicity at FPCs**

Quarter 3 2008

		Age group (years)								Unk	Total
		<15	15-19	20-24	25-29	30-34	35-39	40-44	>44		
<b>Males</b>	European/Pakeha	0	0	0	1	0	0	0	0	0	1
		0.0	0.0	0.0	2.2	0.0	0.0	0.0	0.0	-	0.2
	Maori	0	2	0	0	0	0	0	0	0	2
		0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	-	1.3
	Other	0	1	2	0	0	0	0	0	0	3
		0.0	1.4	3.2	0.0	0.0	0.0	0.0	0.0	-	1.4
	Unknown	0	0	1	0	0	0	0	0	0	1
<b>Females</b>		0.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0	-	4.8
	<b>Total</b>	<b>0</b>	<b>3</b>	<b>3</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7</b>
		<b>0.0</b>	<b>1.1</b>	<b>1.3</b>	<b>1.2</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.9</b>
	European/Pakeha	0	8	2	0	1	0	0	0	0	11
		0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Maori	0	6	1	3	0	0	0	0	0	10
		0.0	0.4	0.1	0.6	0.0	0.0	0.0	0.0	0.0	0.3
<b>Females</b>	Pacific Peoples	0	2	0	0	1	0	0	0	0	3
		0.0	0.5	0.0	0.0	1.0	0.0	0.0	0.0	-	0.3
	Other	0	2	2	0	0	0	0	0	0	4
		0.0	0.1	0.2	0.0	0.0	0.0	0.0	0.0	-	0.1
	<b>Total</b>	<b>0</b>	<b>18</b>	<b>5</b>	<b>3</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>28</b>
		<b>0.0</b>	<b>0.1</b>	<b>0.0</b>	<b>0.1</b>	<b>0.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.1</b>

<sup>1</sup>Rate = (no. of cases/total no. of clinic visits) x 100, expressed as a percentage

## Genital Herpes (First presentation)

**Table 3.6: Genital Herpes - Cases and Clinic Visit Rates<sup>1</sup> by Age, Sex and Ethnicity at FPCs**

Quarter 3 2008

		Age group (years)							Unk	Total
		<15	15-19	20-24	25-29	30-34	35-39	40-44		
<b>Males</b>	European/Pakeha	0	0	0	1	1	1	1	0	4
		0.0	0.0	0.0	1.0	1.3	1.3	1.7	0.0	0.4
	Maori	0	2	0	0	0	1	0	0	3
		0.0	2.9	0.0	0.0	0.0	12.5	0.0	0.0	1.9
	Unknown	0	0	1	0	0	0	0	0	1
		0.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0	4.8
<b>Total</b>		<b>0</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>8</b>
		<b>0.0</b>	<b>0.5</b>	<b>0.3</b>	<b>0.9</b>	<b>1.1</b>	<b>2.2</b>	<b>1.6</b>	<b>0.0</b>	<b>0.7</b>
<b>Females</b>	European/Pakeha	0	5	7	4	0	0	0	1	17
		0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1
	Maori	0	1	2	0	0	0	0	0	3
		0.0	0.1	0.3	0.0	0.0	0.0	0.0	0.0	0.1
	Other	0	2	0	1	2	0	0	0	5
		0.0	0.1	0.0	0.1	0.3	0.0	0.0	0.0	0.1
<b>Total</b>		<b>0</b>	<b>8</b>	<b>9</b>	<b>5</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>25</b>
		<b>0.0</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.1</b>	<b>0.1</b>

<sup>1</sup>Rate = (no. of cases/total no. of clinic visits) x 100, expressed as a percentage

## Genital Warts (First presentation)

**Table 3.8: Genital Warts - Cases and Clinic Visit Rates<sup>1</sup> by Age, Sex and Ethnicity at FPCs**

Quarter 3 2008

		Age group (years)								Unk	Total
		<15	15-19	20-24	25-29	30-34	35-39	40-44	>44		
<b>Males</b>	European/Pakeha	0	3	12	0	1	0	0	0	0	16
		0.0	0.7	2.6	0.0	0.9	0.0	0.0	0.0	0.0	1.1
	Maori	0	1	2	0	0	1	0	0	0	4
		0.0	1.5	4.8	0.0	0.0	12.5	0.0	0.0	-	2.5
	Other	0	1	1	1	0	0	0	0	0	3
		0.0	1.4	1.6	4.0	0.0	0.0	0.0	0.0	-	1.4
<b>Total</b>		<b>0</b>	<b>5</b>	<b>15</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>23</b>
		<b>0.0</b>	<b>0.9</b>	<b>2.6</b>	<b>0.5</b>	<b>0.7</b>	<b>0.9</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1.3</b>
<b>Females</b>	European/Pakeha	0	41	27	4	5	2	1	1	0	81
		0.0	0.4	0.3	0.1	0.2	0.1	0.1	0.1	0.0	0.3
	Maori	0	6	2	1	0	0	0	0	0	9
		0.0	0.4	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.2
	Pacific Peoples	0	1	0	2	1	0	0	0	0	4
		0.0	0.3	0.0	1.4	0.9	0.0	0.0	0.0	-	0.4
	Other	0	6	3	0	0	0	0	0	0	9
		0.0	0.5	0.3	0.0	0.0	0.0	0.0	0.0	-	0.2
	Unknown	0	2	0	0	0	0	0	0	0	2
<b>Total</b>		<b>0</b>	<b>56</b>	<b>32</b>	<b>7</b>	<b>6</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>105</b>
		<b>0.0</b>	<b>0.4</b>	<b>0.3</b>	<b>0.1</b>	<b>0.2</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.0</b>	<b>0.3</b>

<sup>1</sup>Rate = (no. of cases/total no. of clinic visits) x 100, expressed as a percentage

# Student & Youth Health Clinic (SYHC) Data

## Chlamydia

**Table 4.2: Chlamydia - Cases and Clinic Visit Rates<sup>1</sup> by Age, Sex and Ethnicity at SYHCs**

Quarter 3 2008

		Age group (years)								Unk	Total
		<15	15-19	20-24	25-29	30-34	35-39	40-44	>44		
<b>Males</b>	European/Pakeha	0	23	20	1	0	1	0	0	0	45
		0.0	1.0	0.5	0.1	0.0	0.4	0.0	0.0	0.0	0.5
	Maori	0	6	5	0	0	0	0	0	0	11
		0.0	3.3	1.0	0.0	0.0	0.0	0.0	0.0	-	1.1
	Pacific Peoples	0	0	5	0	1	0	0	0	0	6
		0.0	0.0	5.2	0.0	1.5	0.0	0.0	0.0	-	1.9
	Other	0	0	6	1	1	0	1	0	0	9
		0.0	0.0	0.4	0.1	0.4	0.0	1.0	0.0	-	0.3
	Unknown	0	1	0	1	1	0	0	0	0	3
		0.0	3.4	0.0	5.9	14.3	0.0	0.0	0.0	0.0	0.1
<b>Total</b>		<b>0</b>	<b>30</b>	<b>36</b>	<b>3</b>	<b>3</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>74</b>
		<b>0.0</b>	<b>1.0</b>	<b>0.5</b>	<b>0.2</b>	<b>0.4</b>	<b>0.2</b>	<b>0.4</b>	<b>0.0</b>	<b>0.0</b>	<b>0.5</b>
<b>Females</b>	European/Pakeha	1	62	50	3	1	1	1	1	1	121
		0.9	0.9	0.4	0.2	0.1	0.3	0.3	0.2	1.1	0.5
	Maori	1	40	16	3	0	0	0	0	0	60
		2.4	6.2	1.4	0.9	0.0	0.0	0.0	0.0	-	2.2
	Pacific Peoples	0	3	5	1	0	0	0	0	0	9
		0.0	2.0	1.6	1.0	0.0	0.0	0.0	0.0	-	1.3
	Other	0	3	6	2	0	0	0	0	0	11
		0.0	0.4	0.2	0.2	0.0	0.0	0.0	0.0	-	0.2
	Unknown	0	2	3	1	0	0	0	0	0	6
		0.0	0.8	0.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total</b>		<b>2</b>	<b>110</b>	<b>80</b>	<b>10</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>207</b>
		<b>0.7</b>	<b>1.2</b>	<b>0.5</b>	<b>0.3</b>	<b>0.1</b>	<b>0.1</b>	<b>0.2</b>	<b>0.1</b>	<b>0.0</b>	<b>0.4</b>

<sup>1</sup>Rate = (no. of cases/total no. of clinic visits) x 100, expressed as a percentage



# Gonorrhoea

**Table 4.4: Gonorrhoea - Cases and Clinic Visit Rates<sup>1</sup> by Age, Sex and Ethnicity at SYHCs**

Quarter 3 2008

		Age group (years)								Unk	Total
		<15	15-19	20-24	25-29	30-34	35-39	40-44	>44		
<b>Males</b>	European/Pakeha	0	2	0	0	0	0	0	0	0	2
		0.0	0.3	0.0	0.0	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	1.6	0.0	0.0	0.0	0.0	0.0	0.0	-	0.3
	Other	0	0	0	1	0	0	0	0	0	1
		0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	-	0.1
	Unknown	0	1	0	0	0	0	0	0	0	1
<b>Females</b>		0.0	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>Total</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5</b>
		0.0	0.5	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.1
	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	0.0
	Other	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
	<b>Total</b>	<b>0</b>	<b>2</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7</b>
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

<sup>1</sup>Rate = (no. of cases/total no. of clinic visits) x 100, expressed as a percentage

## Genital Herpes (First presentation)

**Table 4.6: Genital Herpes - Cases and Clinic Visit Rates<sup>1</sup> by Age, Sex and Ethnicity at SYHCs**

Quarter 3 2008

		Age group (years)								Unk	Total
		<15	15-19	20-24	25-29	30-34	35-39	40-44	>44		
<b>Males</b>	European/Pakeha	0	0	3	0	0	0	0	0	0	3
		0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1
	Maori	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	-	0.3
	Other	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	-	0.1
	Unknown	0	0	1	0	0	0	0	0	0	1
<b>Females</b>		0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>Total</b>	<b>0</b>	<b>0</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6</b>
		<b>0.0</b>	<b>0.0</b>	<b>0.2</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.1</b>
	European/Pakeha	0	7	7	0	0	0	0	0	0	14
		0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1
	Pacific Peoples	0	1	0	0	0	0	0	0	0	1
		0.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	-	0.4
<b>Total</b>	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
	<b>Total</b>	<b>0</b>	<b>8</b>	<b>8</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>16</b>
		<b>0.0</b>	<b>0.1</b>	<b>0.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.1</b>

<sup>1</sup>Rate = (no. of cases/total no. of clinic visits) x 100, expressed as a percentage

## Genital Warts (first presentation)

**Table 4.8: Genital Warts – Cases and Clinic Visit Rates<sup>1</sup> by Age, Sex and Ethnicity at SYHCs**

Quarter 3 2008

		Age group (years)								Total
		<15	15-19	20-24	25-29	30-34	35-39	40-44	>44	
<b>Males</b>	European/Pakeha	0	4	17	2	0	0	0	0	23
		0.0	0.2	0.4	0.3	0.0	0.0	0.0	0.0	0.3
	Maori	0	1	3	0	0	0	0	0	4
		0.0	0.5	0.6	0.0	0.0	0.0	0.0	0.0	0.4
	Pacific Peoples	0	0	0	1	0	0	0	0	1
		0.0	0.0	0.0	7.1	0.0	0.0	0.0	0.0	0.9
<b>Total</b>		<b>0</b>	<b>5</b>	<b>20</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>28</b>
		<b>0.0</b>	<b>0.2</b>	<b>0.4</b>	<b>0.3</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.3</b>
<b>Females</b>	European/Pakeha	1	13	15	0	0	0	0	0	29
		0.9	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.1
	Maori	0	4	3	0	1	0	0	0	8
		0.0	0.6	0.3	0.0	0.5	0.0	0.0	0.0	0.3
	Pacific Peoples	0	0	1	0	0	0	0	0	1
		0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.4
	Other	0	1	7	0	0	0	0	0	8
<b>Total</b>		<b>1</b>	<b>18</b>	<b>26</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>46</b>
		<b>0.5</b>	<b>0.2</b>	<b>0.2</b>	<b>0.0</b>	<b>0.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.2</b>

<sup>1</sup>Rate = (no. of cases/total no. of clinic visits) x 100, expressed as a percentage

## Appendix: STI Surveillance Case Definitions

<b>Chlamydia</b>	<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"> <li>1. uncomplicated infection of the lower anogenital* tract * Includes urogenital and anorectal infection.</li> <li>2. PID (pelvic inflammatory disease) or epididymitis</li> <li>3. infection of another site (eg, eye or pharynx)</li> </ol> <p><i>Probable</i> Cases must be <u>all</u> of the following:</p> <ul style="list-style-type: none"> <li>• symptomatic, <b>and</b></li> <li>• a contact of a confirmed case, <b>and</b></li> <li>• non-laboratory confirmed (test negative or test not done).</li> </ul>
<b>Gonorrhoea</b>	<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"> <li>1. uncomplicated infection of one or both of the following: <ol style="list-style-type: none"> <li>a) urogenital tract</li> <li>b) anorectal area (proctitis)</li> </ol> </li> <li>2. PID (pelvic inflammatory disease) or epididymitis</li> <li>3. extra-genital infection of one or both of the following: <ol style="list-style-type: none"> <li>a) pharynx</li> <li>b) other site not listed</li> </ol> </li> </ol> <p><i>Probable</i> Cases must be <u>all</u> of the following:</p> <ul style="list-style-type: none"> <li>• symptomatic, <b>and</b></li> <li>• a contact of a confirmed case, <b>and</b></li> <li>• non-laboratory confirmed (test negative or test not done).</li> </ul>
<b>Anogenital Herpes</b>	First diagnosis for the person at your clinic, with either <ol style="list-style-type: none"> <li>1. laboratory detection of herpes simplex virus (HSV) from a clinical specimen,</li> </ol> <p><b>or</b></p> <ol style="list-style-type: none"> <li>2. a clinically compatible illness in the lower anogenital and buttock area (syphilis should be considered as a cause of genital ulceration)</li> </ol>
<b>Anogenital Warts</b>	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.
<b>Syphilis</b>	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.
<b>Non-Specific Urethritis (NSU) (males only)</b>	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.
<b>Chancroid</b>	<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,</p> <p><b>or</b></p> <p>A clinically compatible illness in a patient who is a contact of a confirmed case.</p>
<b>Granuloma inguinale (GI)</b>	<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>
<b>Lymphogranuloma venereum (LGV)</b>	<p><i>Confirmed</i> Laboratory detection of <i>Chlamydia trachomatis</i> serotype L<sub>1</sub>, L<sub>2</sub> or L<sub>3</sub> from a clinical specimen.</p> <p><i>Probable</i> A clinically compatible illness with complement fixation titre of &gt; 64 and other causes of ulcerations excluded,</p> <p><b>or</b></p> <p>A clinically compatible illness in a person who is a contact of a confirmed case.</p>