

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

**October to December 2009**

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, 35 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.esr.cri.nz](http://www.surv.esr.cri.nz).

*All results and analyses are based on data submitted prior to the 8<sup>th</sup> March 2010. 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 fourth quarter (October to December) 2009.

#### **FPCs**

Thirty-five FPCs participate in STI surveillance. Of these, all 35 clinics provided STI data by the date required for all three months in the fourth quarter (October to December) 2009. 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, 13 clinics provided STI data by the date required for all three months in the fourth quarter (October to December) 2009. 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 20 491 visits. A total of 1 223 cases of chlamydia, 203 cases of gonorrhoea, 195 cases of genital herpes, 724 cases of genital warts, 27 cases of syphilis and 172 cases of NSU in males were reported in this quarter. STI rates and comparisons with the equivalent quarter in 2008 are shown in Table 1.

## *Family Planning Clinics (FPCs)*

During the current quarter, FPCs reported 46 789 visits. A total of 801 cases of chlamydia, 44 cases of gonorrhoea, 62 cases of genital herpes, 142 cases of genital warts, one case of syphilis and three cases of NSU in males were reported in this quarter. STI rates and comparisons with the equivalent quarter in 2008 are shown in Table 1.

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

During the current quarter, SYHCs reported 49 263 visits. A total of 208 cases of chlamydia, five cases of gonorrhoea, 15 cases of genital herpes, 48 cases of genital warts, one case of syphilis and six cases of NSU in males were reported in this quarter. STI rates and comparisons with the equivalent quarter in 2008 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 October to December 2009, compared to the equivalent quarter of 2008.

Clinical setting	STI	October to December 2008		October to December 2009		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	1124	5.2	1223	6.0	▲
	Gonorrhoea	199	0.9	203	1.0	▲
	Genital herpes	217	1.0	195	1.0	—
	Genital warts	880	4.1	724	3.5	▼
	Syphilis	27	0.1	27	0.1	—
	NSU (Males Only)	169	1.9	172	2.0	▲
FPCs	Chlamydia	871	1.9	801	1.7	▼
	Gonorrhoea	39	0.1	44	0.1	—
	Genital herpes	48	0.1	62	0.1	—
	Genital warts	131	0.3	142	0.3	—
	Syphilis	0	0.0	1	0.0	—
	NSU (Males Only)	1	0.0	3	0.1	▲
SYHCs	Chlamydia	242	0.5	208	0.4	▼
	Gonorrhoea	22	0.0	5	0.0	—
	Genital herpes	26	0.1	15	0.0	▼
	Genital warts	44	0.1	48	0.1	—
	Syphilis	0	0.0	1	0.0	—
	NSU (Males Only)	3	0.0	6	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 4, 2009

<u>Clinic Type, by area</u>		<u>Total Clinic</u> <u>Visits<sup>1</sup></u>	<u>Chlamydia<sup>2</sup></u>	<u>Gonorrhoea<sup>2</sup></u>	<u>Genital</u> <u>Herpes<sup>^</sup></u>	<u>Genital</u> <u>Warts<sup>^</sup></u>	<u>Syphilis*</u>
<b>North</b>							
Sexual Health Clinics	No.	5,226	319	53	42	189	4
	Rate <sup>3</sup>		6.1%	1.0%	0.8%	3.6%	0.1%
Family Planning Clinics	No.	17,949	290	13	11	46	0
	Rate <sup>3</sup>		1.6%	0.1%	0.1%	0.3%	0.0%
Student & Youth Health Clinics	No.	6,418	16	0	0	0	0
	Rate <sup>3</sup>		0.2%	0.0%	0.0%	0.0%	0.0%
<b>Subtotal North</b>		<b>29,593</b>	<b>625</b>	<b>66</b>	<b>53</b>	<b>235</b>	<b>4</b>
<b>Midland</b>							
Sexual Health Clinics	No.	6,248	525	87	59	241	3
	Rate <sup>3</sup>		8.4%	1.4%	0.9%	3.9%	0.0%
Family Planning Clinics	No.	7,349	205	16	7	18	0
	Rate <sup>3</sup>		2.8%	0.2%	0.1%	0.2%	0.0%
Student & Youth Health Clinics	No.	10,442	19	0	0	0	0
	Rate <sup>3</sup>		0.2%	0.0%	0.0%	0.0%	0.0%
<b>Subtotal Midland</b>		<b>24,039</b>	<b>749</b>	<b>103</b>	<b>66</b>	<b>259</b>	<b>3</b>
<b>Central</b>							
Sexual Health Clinics	No.	5,606	247	48	48	174	11
	Rate <sup>3</sup>		4.4%	0.9%	0.9%	3.1%	0.2%
Family Planning Clinics	No.	10,100	176	6	21	36	1
	Rate <sup>3</sup>		1.7%	0.1%	0.2%	0.4%	0.0%
Student & Youth Health Clinics	No.	15,025	111	3	8	16	1
	Rate <sup>3</sup>		0.7%	0.0%	0.1%	0.1%	0.0%
<b>Subtotal Central</b>		<b>30,731</b>	<b>534</b>	<b>57</b>	<b>77</b>	<b>226</b>	<b>13</b>
<b>South</b>							
Sexual Health Clinics	No.	3,411	132	15	46	120	9
	Rate <sup>3</sup>		3.9%	0.4%	1.3%	3.5%	0.3%
Family Planning Clinics	No.	11,391	130	9	23	42	0
	Rate <sup>3</sup>		1.1%	0.1%	0.2%	0.4%	0.0%
Student & Youth Health Clinics	No.	17,378	62	2	7	32	0
	Rate <sup>3</sup>		0.4%	0.0%	0.0%	0.2%	0.0%
<b>Subtotal South</b>		<b>32,180</b>	<b>324</b>	<b>26</b>	<b>76</b>	<b>194</b>	<b>9</b>
<b>All regions</b>							
Sexual Health Clinics	No.	20,491	1,223	203	195	724	27
	Rate.		6.0%	1.0%	1.0%	3.5%	0.1%
Family Planning Clinics	No.	46,789	801	44	62	142	1
	Rate.		1.7%	0.1%	0.1%	0.3%	0.0%
Student & Youth Health Clinics	No.	49,263	208	5	15	48	1
	Rate.		0.4%	0.0%	0.0%	0.1%	0.0%
<b>Total</b>	<b>No.</b>	<b>116,543</b>	<b>2,232</b>	<b>252</b>	<b>272</b>	<b>914</b>	<b>29</b>
	<b>Rate.</b>		<b>1.9%</b>	<b>0.2%</b>	<b>0.2%</b>	<b>0.8%</b>	<b>0.0%</b>

<sup>1</sup> Total no. clinic visits = total number of clinics visits for report period for any reason

<sup>2</sup> No. (for gonorrhoea and chlamydia only) = no. confirmed cases + no. probable cases

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

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

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



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

Quarter 4 2009

	Confirmed						Total <sup>1</sup> No. <sup>2</sup>
	Uncomplicated, lower anogenital		PID/epididymitis		Other site		
	No. <sup>2</sup>	% <sup>3</sup>	No. <sup>2</sup>	% <sup>3</sup>	No. <sup>2</sup>	% <sup>3</sup>	
Sexual Health Clinics	1191	97.4%	28	2.3%	4	0.3%	1223
Family Planning Clinics	775	96.6%	24	3.0%	3	0.4%	802
Student & Youth Health Clinics	205	98.6%	3	1.4%	0	0.0%	208
Total	2171	97.2%	55	2.5%	7	0.3%	2233

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

Quarter 4 2009

	Confirmed										Total <sup>1</sup>
	Uncomplicated infection				PID/ epididymitis		Extra-genital				
	Urogenital		Anorectal				Pharynx		Other site		
	No. <sup>2</sup>	% <sup>3</sup>	No. <sup>2</sup>	% <sup>3</sup>	No. <sup>2</sup>	% <sup>3</sup>	No. <sup>2</sup>	% <sup>3</sup>	No. <sup>2</sup>	% <sup>3</sup>	
Sexual Health Clinics	180	88.2%	9	4.4%	7	3.4%	7	3.4%	1	0.5%	204
Family Planning Clinics	41	93.2%	1	2.3%	2	4.5%	0	0.0%	0	0.0%	44
Student & Youth Health Clinic	5	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	5
Total	226	89.3%	10	4.0%	9	3.6%	7	2.8%	1	0.4%	253

<sup>1</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. Cases where site was not specified are not included.

<sup>2</sup> No. = no. of diagnoses by site

<sup>3</sup> % = no. of diagnoses by site/total no. of diagnoses by clinic type, x100

# Sexual Health Clinic (SHC) Data

## Chlamydia

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

Quarter 4

<u>Total Clinic Visits<sup>1</sup></u>			<u>2008 Total</u>		<u>2009 Total</u>	
<u>2008</u>	<u>2009</u>	<u>Clinic</u>	<u>No.</u>	<u>Rate<sup>2</sup></u>	<u>No.</u>	<u>Rate<sup>2</sup></u>
574	577	Whangarei	35	6.1%	44	7.6%
133	128	Dargaville	6	4.5%	6	4.7%
75	63	Kaikohe	9	12.0%	4	6.3%
5372	4458	Auckland	228	4.2%	265	5.9%
<b>6154</b>	<b>5226</b>	<b>North</b>	<b>278</b>	<b>4.5%</b>	<b>319</b>	<b>6.1%</b>
2361	2226	Hamilton	149	6.3%	135	6.1%
2222	2405	Tauranga	141	6.3%	167	6.9%
273	312	Rotorua	14	5.1%	19	6.1%
500	437	Whakatane	34	6.8%	35	8.0%
249	0	Taupo	23	9.2%	0	0.0%
587	530	New Plymouth	71	12.1%	44	8.3%
0	338	Gisborne	0	0.0%	125	37.0%
<b>6192</b>	<b>6248</b>	<b>Midland</b>	<b>432</b>	<b>7.0%</b>	<b>525</b>	<b>8.4%</b>
275	292	Napier	37	13.5%	44	15.1%
146	163	Hastings	39	26.7%	29	17.8%
218	274	Wanganui	4	1.8%	13	4.7%
1016	2122	Palmerston North/Levin/Dannevirke	75	7.4%	94	4.4%
1580	1741	Wellington	46	2.9%	46	2.6%
203	189	Lower Hutt	9	4.4%	6	3.2%
80	41	Porirua	8	10.0%	1	2.4%
537	669	Nelson	21	3.9%	13	1.9%
214	115	Wairau (Blenheim)	6	2.8%	1	0.9%
<b>4269</b>	<b>5606</b>	<b>Central</b>	<b>245</b>	<b>5.7%</b>	<b>247</b>	<b>4.4%</b>
77	103	Greymouth	1	1.3%	4	3.9%
120	118	Westport/Buller	12	10.0%	10	8.5%
3292	2039	Christchurch	64	1.9%	51	2.5%
15	13	Ashburton	1	6.7%	0	0.0%
149	87	Timaru	11	7.4%	6	6.9%
674	634	Dunedin	33	4.9%	28	4.4%
634	417	Invercargill/Gore/Wyndham	47	7.4%	33	7.9%
<b>4961</b>	<b>3411</b>	<b>South</b>	<b>169</b>	<b>3.4%</b>	<b>132</b>	<b>3.9%</b>
<b>21576</b>	<b>20491</b>	<b>Total</b>	<b>1124</b>	<b>5.2%</b>	<b>1223</b>	<b>6.0%</b>

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

<sup>2</sup> 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 2.2: Chlamydia - Cases and Clinic Visit Rates<sup>1</sup> by Age, Sex and Ethnicity at SHCs**

Quarter 4 2009

		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	50	92	57	23	18	8	15	0	263
		0.0	9.5	6.4	5.5	2.9	3.0	1.8	1.5	0.0	4.5
	Maori	1	43	52	24	9	3	3	1	0	136
		11.1	16.6	13.4	11.2	5.5	2.8	4.5	2.1	0.0	10.8
	Pacific Peoples	0	12	27	17	2	1	1	0	0	60
		0.0	28.6	25.2	19.3	3.7	2.9	5.0	0.0	-	15.7
	Other	1	4	8	7	7	2	1	5	0	35
		16.7	9.8	4.6	3.4	4.5	2.0	1.4	3.7	-	4.0
	Unknown	0	0	3	3	1	0	0	3	0	10
		0.0	0.0	13.0	10.3	5.3	0.0	0.0	9.4	-	7.2
<b>Total</b>		<b>2</b>	<b>109</b>	<b>182</b>	<b>108</b>	<b>42</b>	<b>24</b>	<b>13</b>	<b>24</b>	<b>0</b>	<b>504</b>
		<b>3.8</b>	<b>12.4</b>	<b>8.6</b>	<b>6.9</b>	<b>3.5</b>	<b>2.8</b>	<b>2.1</b>	<b>2.0</b>	<b>0.0</b>	<b>5.9</b>
<b>Females</b>	European/Pakeha	8	117	85	35	10	6	6	2	0	269
		7.3	5.7	4.1	3.2	1.5	1.0	1.8	0.4	0.0	3.6
	Maori	13	163	101	38	23	12	3	4	0	357
		11.7	16.3	11.9	9.5	9.2	7.0	3.7	4.7	0.0	12.0
	Pacific Peoples	0	19	21	2	6	0	0	1	0	49
		0.0	14.3	11.6	2.7	15.4	0.0	0.0	2.2	-	9.6
	Other	0	10	13	8	4	1	4	0	0	40
		0.0	8.8	7.2	3.3	3.0	1.2	8.7	0.0	-	4.4
	Unknown	0	1	1	1	0	0	0	1	0	4
		0.0	4.5	3.3	4.8	0.0	0.0	0.0	7.1	0.0	3.2
<b>Total</b>		<b>21</b>	<b>310</b>	<b>221</b>	<b>84</b>	<b>43</b>	<b>19</b>	<b>13</b>	<b>8</b>	<b>0</b>	<b>719</b>
		<b>9.1</b>	<b>9.4</b>	<b>6.7</b>	<b>4.6</b>	<b>3.9</b>	<b>2.2</b>	<b>2.6</b>	<b>1.0</b>	<b>0.0</b>	<b>6.0</b>

<sup>1</sup> Rate = (total number of cases / total number of visits) \* 100, expressed as a percentage

## Gonorrhoea

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

Quarter 4

<u>Total Clinic Visits<sup>1</sup></u>			<u>2008 Total</u>		<u>2009 Total</u>	
<u>2008</u>	<u>2009</u>	<u>Clinic</u>	<u>No.</u>	<u>Rate<sup>2</sup></u>	<u>No.</u>	<u>Rate<sup>2</sup></u>
574	577	Whangarei	3	0.5%	2	0.3%
133	128	Dargaville	0	0.0%	0	0.0%
75	63	Kaikohe	0	0.0%	1	1.6%
5372	4458	Auckland	50	0.9%	50	1.1%
<b>6154</b>	<b>5226</b>	<b>North</b>	<b>53</b>	<b>0.9%</b>	<b>53</b>	<b>1.0%</b>
2361	2226	Hamilton	17	0.7%	22	1.0%
2222	2405	Tauranga	9	0.4%	16	0.7%
273	312	Rotorua	2	0.7%	4	1.3%
500	437	Whakatane	6	1.2%	2	0.5%
249	0	Taupo	0	0.0%	0	0.0%
587	530	New Plymouth	17	2.9%	4	0.8%
0	338	Gisborne	0	0.0%	39	11.5%
<b>6192</b>	<b>6248</b>	<b>Midland</b>	<b>51</b>	<b>0.8%</b>	<b>87</b>	<b>1.4%</b>
275	292	Napier	11	4.0%	15	5.1%
146	163	Hastings	13	8.9%	8	4.9%
218	274	Wanganui	0	0.0%	7	2.6%
1016	2122	Palmerston North/Levin/Dannevirke	6	0.6%	8	0.4%
1580	1741	Wellington	22	1.4%	8	0.5%
203	189	Lower Hutt	5	2.5%	0	0.0%
80	41	Porirua	3	3.8%	0	0.0%
537	669	Nelson	3	0.6%	2	0.3%
214	115	Wairau (Blenheim)	1	0.5%	0	0.0%
<b>4269</b>	<b>5606</b>	<b>Central</b>	<b>64</b>	<b>1.5%</b>	<b>48</b>	<b>0.9%</b>
77	103	Greymouth	0	0.0%	1	1.0%
120	118	Westport/Buller	0	0.0%	0	0.0%
3292	2039	Christchurch	16	0.5%	6	0.3%
15	13	Ashburton	2	13.3%	0	0.0%
149	87	Timaru	1	0.7%	1	1.1%
674	634	Dunedin	2	0.3%	2	0.3%
634	417	Invercargill/Gore/Wyndham	10	1.6%	5	1.2%
<b>4961</b>	<b>3411</b>	<b>South</b>	<b>31</b>	<b>0.6%</b>	<b>15</b>	<b>0.4%</b>
<b>21576</b>	<b>20491</b>	<b>Total</b>	<b>199</b>	<b>0.9%</b>	<b>203</b>	<b>1.0%</b>

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

<sup>2</sup> 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 2.4: Gonorrhoea - Cases and Clinic Visit Rates<sup>1</sup> by Age, Sex and Ethnicity at SHCs**

Quarter 4 2009

		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	5	11	7	7	5	4	3	0	42
		0.0	0.9	0.8	0.7	0.9	0.8	0.9	0.3	0.0	0.7
	Maori	1	10	12	7	4	4	1	0	0	39
		11.1	3.9	3.1	3.3	2.4	3.7	1.5	0.0	0.0	3.1
	Pacific Peoples	0	1	8	3	1	0	2	0	0	15
		0.0	2.4	7.5	3.4	1.9	0.0	10.0	0.0	-	3.9
	Other	0	1	3	3	0	0	2	2	0	11
		0.0	2.4	1.7	1.5	0.0	0.0	2.9	1.5	-	1.2
	Unknown	0	0	1	0	0	0	0	0	0	1
		0.0	0.0	4.3	0.0	0.0	0.0	0.0	0.0	-	0.7
<b>Total</b>		<b>1</b>	<b>17</b>	<b>35</b>	<b>20</b>	<b>12</b>	<b>9</b>	<b>9</b>	<b>5</b>	<b>0</b>	<b>108</b>
		<b>1.9</b>	<b>1.9</b>	<b>1.6</b>	<b>1.3</b>	<b>1.0</b>	<b>1.0</b>	<b>1.5</b>	<b>0.4</b>	<b>0.0</b>	<b>1.3</b>
<b>Females</b>	European/Pakeha	1	7	8	3	1	0	1	0	0	21
		0.9	0.3	0.4	0.3	0.2	0.0	0.3	0.0	0.0	0.3
	Maori	2	22	20	13	1	2	1	1	0	62
		1.8	2.2	2.3	3.2	0.4	1.2	1.2	1.2	0.0	2.1
	Pacific Peoples	0	4	2	0	4	0	0	0	0	10
		0.0	3.0	1.1	0.0	10.3	0.0	0.0	0.0	-	1.9
	Other	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	-	0.1
	Unknown	0	0	0	0	0	0	0	1	0	1
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.1	0.0	0.8
<b>Total</b>		<b>3</b>	<b>33</b>	<b>31</b>	<b>16</b>	<b>6</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>0</b>	<b>95</b>
		<b>1.3</b>	<b>1.0</b>	<b>0.9</b>	<b>0.9</b>	<b>0.5</b>	<b>0.2</b>	<b>0.4</b>	<b>0.2</b>	<b>0.0</b>	<b>0.8</b>

<sup>1</sup> Rate = (total number of cases / total number of visits) \* 100, expressed as a percentage

## Genital Herpes (First presentation)

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

Quarter 4

<u>Total Clinic Visits<sup>1</sup></u>			<u>2008 Total</u>		<u>2009 Total</u>	
<u>2008</u>	<u>2009</u>	<u>Clinic</u>	<u>No.</u>	<u>Rate<sup>2</sup></u>	<u>No.</u>	<u>Rate<sup>2</sup></u>
574	577	Whangarei	10	1.7%	5	0.9%
133	128	Dargaville	2	1.5%	0	0.0%
75	63	Kaikohe	0	0.0%	1	1.6%
5372	4458	Auckland	41	0.8%	36	0.8%
<b>6154</b>	<b>5226</b>	<b>North</b>	<b>53</b>	<b>0.9%</b>	<b>42</b>	<b>0.8%</b>
2361	2226	Hamilton	24	1.0%	16	0.7%
2222	2405	Tauranga	23	1.0%	28	1.2%
273	312	Rotorua	0	0.0%	0	0.0%
500	437	Whakatane	2	0.4%	2	0.5%
249	0	Taupo	1	0.4%	0	0.0%
587	530	New Plymouth	3	0.5%	13	2.5%
0	338	Gisborne	0	0.0%	0	0.0%
<b>6192</b>	<b>6248</b>	<b>Midland</b>	<b>53</b>	<b>0.9%</b>	<b>59</b>	<b>0.9%</b>
275	292	Napier	10	3.6%	9	3.1%
146	163	Hastings	4	2.7%	2	1.2%
218	274	Wanganui	5	2.3%	4	1.5%
1016	2122	Palmerston North/Levin/Dannevirke	11	1.1%	9	0.4%
1580	1741	Wellington	15	0.9%	11	0.6%
203	189	Lower Hutt	2	1.0%	1	0.5%
80	41	Porirua	2	2.5%	0	0.0%
537	669	Nelson	11	2.0%	10	1.5%
214	115	Wairau (Blenheim)	5	2.3%	2	1.7%
<b>4269</b>	<b>5606</b>	<b>Central</b>	<b>65</b>	<b>1.5%</b>	<b>48</b>	<b>0.9%</b>
77	103	Greymouth	0	0.0%	0	0.0%
120	118	Westport/Buller	1	0.8%	2	1.7%
3292	2039	Christchurch	21	0.6%	22	1.1%
15	13	Ashburton	0	0.0%	0	0.0%
149	87	Timaru	1	0.7%	1	1.1%
674	634	Dunedin	15	2.2%	8	1.3%
634	417	Invercargill/Gore/Wyndham	8	1.3%	13	3.1%
<b>4961</b>	<b>3411</b>	<b>South</b>	<b>46</b>	<b>0.9%</b>	<b>46</b>	<b>1.3%</b>
<b>21576</b>	<b>20491</b>	<b>Total</b>	<b>217</b>	<b>1.0%</b>	<b>195</b>	<b>1.0%</b>

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

<sup>2</sup> 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 2.6: Genital Herpes - Cases and Clinic Visit Rates<sup>1</sup> by Age, Sex and Ethnicity at SHCs**

Quarter 4 2009

		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	10	20	13	13	3	1	4	0	<b>64</b>
		0.0	1.9	1.4	1.3	1.6	0.5	0.2	0.4	0.0	<b>1.1</b>
	Maori	0	2	3	1	0	3	0	1	0	<b>10</b>
		0.0	0.8	0.8	0.5	0.0	2.8	0.0	2.1	0.0	<b>0.8</b>
	Pacific Peoples	0	0	2	0	0	1	1	0	0	<b>4</b>
		0.0	0.0	1.9	0.0	0.0	2.9	5.0	0.0	-	<b>1.0</b>
	Other	0	1	2	2	5	0	1	3	0	<b>14</b>
		0.0	2.4	1.2	1.0	3.2	0.0	1.4	2.2	-	<b>1.6</b>
	Unknown	0	0	1	0	0	0	0	0	0	<b>1</b>
		0.0	0.0	4.3	0.0	0.0	0.0	0.0	0.0	-	<b>0.7</b>
<b>Total</b>		<b>0</b>	<b>13</b>	<b>28</b>	<b>16</b>	<b>18</b>	<b>7</b>	<b>3</b>	<b>8</b>	<b>0</b>	<b>93</b>
		<b>0.0</b>	<b>1.5</b>	<b>1.3</b>	<b>1.0</b>	<b>1.5</b>	<b>0.8</b>	<b>0.5</b>	<b>0.7</b>	<b>0.0</b>	<b>1.1</b>
<b>Females</b>	European/Pakeha	0	21	27	10	5	4	3	6	0	<b>76</b>
		0.0	1.0	1.3	0.9	0.8	0.7	0.9	1.1	0.0	<b>1.0</b>
	Maori	1	4	3	4	1	4	0	0	0	<b>17</b>
		0.9	0.4	0.4	1.0	0.4	2.3	0.0	0.0	0.0	<b>0.6</b>
	Pacific Peoples	0	1	0	0	0	0	0	0	0	<b>1</b>
		0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	-	<b>0.2</b>
	Other	0	1	4	0	1	0	2	0	0	<b>8</b>
		0.0	0.9	2.2	0.0	0.7	0.0	4.3	0.0	-	<b>0.9</b>
	<b>Total</b>	<b>1</b>	<b>27</b>	<b>34</b>	<b>14</b>	<b>7</b>	<b>8</b>	<b>5</b>	<b>6</b>	<b>0</b>	<b>102</b>
		<b>0.4</b>	<b>0.8</b>	<b>1.0</b>	<b>0.8</b>	<b>0.7</b>	<b>0.9</b>	<b>1.0</b>	<b>0.8</b>	<b>0.0</b>	<b>0.9</b>

<sup>1</sup> Rate = (total number of cases / total number of visits) \* 100, expressed as a percentage

## Genital Warts (First presentation)

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

Quarter 4

<u>Total Clinic Visits<sup>1</sup></u>			<u>2008 Total</u>		<u>2009 Total</u>	
<u>2008</u>	<u>2009</u>	<u>Clinic</u>	<u>No.</u>	<u>Rate<sup>2</sup></u>	<u>No.</u>	<u>Rate<sup>2</sup></u>
574	577	Whangarei	17	3.0%	18	3.1%
133	128	Dargaville	3	2.3%	1	0.8%
75	63	Kaikohe	0	0.0%	0	0.0%
5372	4458	Auckland	212	3.9%	170	3.8%
<b>6154</b>	<b>5226</b>	<b>North</b>	<b>232</b>	<b>3.8%</b>	<b>189</b>	<b>3.6%</b>
2361	2226	Hamilton	112	4.7%	119	5.3%
2222	2405	Tauranga	70	3.2%	65	2.7%
273	312	Rotorua	31	11.4%	14	4.5%
500	437	Whakatane	5	1.0%	11	2.5%
249	0	Taupo	8	3.2%	0	0.0%
587	530	New Plymouth	41	7.0%	32	6.0%
0	338	Gisborne	0	0.0%	0	0.0%
<b>6192</b>	<b>6248</b>	<b>Midland</b>	<b>267</b>	<b>4.3%</b>	<b>241</b>	<b>3.9%</b>
275	292	Napier	12	4.4%	24	8.2%
146	163	Hastings	13	8.9%	13	8.0%
218	274	Wanganui	11	5.0%	4	1.5%
1016	2122	Palmerston North/Levin/Dannevirke	35	3.4%	32	1.5%
1580	1741	Wellington	70	4.4%	52	3.0%
203	189	Lower Hutt	15	7.4%	13	6.9%
80	41	Porirua	9	11.3%	6	14.6%
537	669	Nelson	20	3.7%	17	2.5%
214	115	Wairau (Blenheim)	17	7.9%	13	11.3%
<b>4269</b>	<b>5606</b>	<b>Central</b>	<b>202</b>	<b>4.7%</b>	<b>174</b>	<b>3.1%</b>
77	103	Greymouth	2	2.6%	7	6.8%
120	118	Westport/Buller	4	3.3%	4	3.4%
3292	2039	Christchurch	93	2.8%	52	2.6%
15	13	Ashburton	1	6.7%	1	7.7%
149	87	Timaru	7	4.7%	1	1.1%
674	634	Dunedin	30	4.5%	27	4.3%
634	417	Invercargill/Gore/Wyndham	42	6.6%	28	6.7%
<b>4961</b>	<b>3411</b>	<b>South</b>	<b>179</b>	<b>3.6%</b>	<b>120</b>	<b>3.5%</b>
<b>21576</b>	<b>20491</b>	<b>Total</b>	<b>880</b>	<b>4.1%</b>	<b>724</b>	<b>3.5%</b>

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

<sup>2</sup> 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 2.8: Genital Warts - Cases and Clinic Visit Rates<sup>1</sup> by Age, Sex and Ethnicity at SHCs**

Quarter 4 2009

		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	26	93	67	40	19	6	23	1	276
		3.1	4.9	6.5	6.5	5.1	3.2	1.4	2.3	16.7	4.7
	Maori	0	14	22	8	7	2	3	2	0	58
		0.0	5.4	5.7	3.7	4.3	1.9	4.5	4.2	0.0	4.6
	Pacific Peoples	0	3	3	3	3	1	1	0	0	14
		0.0	7.1	2.8	3.4	5.6	2.9	5.0	0.0	-	3.7
	Other	1	1	5	9	2	2	0	1	0	21
		16.7	2.4	2.9	4.4	1.3	2.0	0.0	0.7	-	2.4
	Unknown	0	1	1	0	0	0	0	3	0	5
		0.0	11.1	4.3	0.0	0.0	0.0	0.0	9.4	-	3.6
<b>Total</b>		<b>2</b>	<b>45</b>	<b>124</b>	<b>87</b>	<b>52</b>	<b>24</b>	<b>10</b>	<b>29</b>	<b>1</b>	<b>374</b>
		<b>3.8</b>	<b>5.1</b>	<b>5.8</b>	<b>5.5</b>	<b>4.4</b>	<b>2.8</b>	<b>1.6</b>	<b>2.4</b>	<b>11.1</b>	<b>4.4</b>
<b>Females</b>	European/Pakeha	3	81	79	41	12	7	8	7	0	238
		2.7	4.0	3.9	3.7	1.8	1.2	2.3	1.3	0.0	3.2
	Maori	5	31	23	4	9	4	0	3	0	79
		4.5	3.1	2.7	1.0	3.6	2.3	0.0	3.5	0.0	2.6
	Pacific Peoples	0	5	4	2	3	0	0	1	0	15
		0.0	3.8	2.2	2.7	7.7	0.0	0.0	2.2	-	2.9
	Other	0	1	2	3	0	2	0	0	0	8
		0.0	0.9	1.1	1.3	0.0	2.4	0.0	0.0	-	0.9
	Unknown	0	3	2	2	1	1	0	1	0	10
		0.0	13.6	6.7	9.5	4.8	16.7	0.0	7.1	0.0	8.0
<b>Total</b>		<b>8</b>	<b>121</b>	<b>110</b>	<b>52</b>	<b>25</b>	<b>14</b>	<b>8</b>	<b>12</b>	<b>0</b>	<b>350</b>
		<b>3.5</b>	<b>3.7</b>	<b>3.3</b>	<b>2.8</b>	<b>2.3</b>	<b>1.6</b>	<b>1.6</b>	<b>1.5</b>	<b>0.0</b>	<b>2.9</b>

<sup>1</sup> Rate = (total number of cases / total number of visits) \* 100, expressed as a percentage

# Syphilis

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

Quarter 4

<u>Total Clinic Visits<sup>1</sup></u>			<u>2008 Total</u>		<u>2009 Total</u>	
<u>2008</u>	<u>2009</u>	<u>Clinic</u>	<u>No.</u>	<u>Rate<sup>2</sup></u>	<u>No.</u>	<u>Rate<sup>2</sup></u>
574	577	Whangarei	0	0.0%	0	0.0%
133	128	Dargaville	0	0.0%	0	0.0%
75	63	Kaikohe	0	0.0%	0	0.0%
5372	4458	Auckland	2	0.0%	4	0.1%
<b>6154</b>	<b>5226</b>	<b>North</b>	<b>2</b>	<b>0.0%</b>	<b>4</b>	<b>0.1%</b>
2361	2226	Hamilton	2	0.1%	2	0.1%
2222	2405	Tauranga	3	0.1%	0	0.0%
273	312	Rotorua	0	0.0%	0	0.0%
500	437	Whakatane	0	0.0%	0	0.0%
249	0	Taupo	0	0.0%	0	0.0%
587	530	New Plymouth	0	0.0%	1	0.2%
0	338	Gisborne	0	0.0%	0	0.0%
<b>6192</b>	<b>6248</b>	<b>Midland</b>	<b>5</b>	<b>0.1%</b>	<b>3</b>	<b>0.0%</b>
275	292	Napier	0	0.0%	0	0.0%
146	163	Hastings	0	0.0%	0	0.0%
218	274	Wanganui	1	0.5%	0	0.0%
1016	2122	Palmerston North/Levin/Dannevirke	4	0.4%	0	0.0%
1580	1741	Wellington	4	0.3%	7	0.4%
203	189	Lower Hutt	1	0.5%	3	1.6%
80	41	Porirua	0	0.0%	1	2.4%
537	669	Nelson	0	0.0%	0	0.0%
214	115	Wairau (Blenheim)	2	0.9%	0	0.0%
<b>4269</b>	<b>5606</b>	<b>Central</b>	<b>12</b>	<b>0.3%</b>	<b>11</b>	<b>0.2%</b>
77	103	Greymouth	0	0.0%	2	1.9%
120	118	Westport/Buller	0	0.0%	0	0.0%
3292	2039	Christchurch	4	0.1%	7	0.3%
15	13	Ashburton	0	0.0%	0	0.0%
149	87	Timaru	0	0.0%	0	0.0%
674	634	Dunedin	4	0.6%	0	0.0%
634	417	Invercargill/Gore/Wyndham	0	0.0%	0	0.0%
<b>4961</b>	<b>3411</b>	<b>South</b>	<b>8</b>	<b>0.2%</b>	<b>9</b>	<b>0.3%</b>
<b>21576</b>	<b>20491</b>	<b>Total</b>	<b>27</b>	<b>0.1%</b>	<b>27</b>	<b>0.1%</b>

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

<sup>2</sup> 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 2.10: Syphilis - Cases and Clinic Visit Rates<sup>1</sup> by Age, Sex and Ethnicity at SHCs**

Quarter 4 2009

		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	2	3	0	0	1	7	0	13
		0.0	0.0	0.1	0.3	0.0	0.0	0.2	0.7	0.0	0.2
	Maori	0	0	0	2	0	0	0	0	0	2
		0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.2
	Pacific Peoples	0	0	0	0	0	0	0	1	0	1
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	-	0.3
	Other	0	1	1	0	1	0	1	0	0	4
		0.0	2.4	0.6	0.0	0.6	0.0	1.4	0.0	-	0.5
	Unknown	0	1	0	0	0	0	0	0	0	1
		0.0	11.1	0.0	0.0	0.0	0.0	0.0	0.0	-	0.7
<b>Total</b>		<b>0</b>	<b>2</b>	<b>3</b>	<b>5</b>	<b>1</b>	<b>0</b>	<b>2</b>	<b>8</b>	<b>0</b>	<b>21</b>
		<b>0.0</b>	<b>0.2</b>	<b>0.1</b>	<b>0.3</b>	<b>0.1</b>	<b>0.0</b>	<b>0.3</b>	<b>0.7</b>	<b>0.0</b>	<b>0.2</b>
<b>Females</b>	European/Pakeha	0	0	1	0	2	0	0	0	0	3
		0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0
	Pacific Peoples	0	0	0	0	0	0	0	1	0	1
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	-	0.2
	Other	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
	Unknown	0	0	0	0	0	0	0	1	0	1
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.1	0.0	0.8
<b>Total</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>6</b>
		<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.1</b>	<b>0.2</b>	<b>0.0</b>	<b>0.0</b>	<b>0.3</b>	<b>0.0</b>	<b>0.1</b>

<sup>1</sup> Rate = (total number of cases / total number of visits) \* 100, expressed as a percentage

## NSU (Males Only)

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

Quarter 4

<u>Total Clinic Visits<sup>1</sup></u>			<u>2008 Total</u>		<u>2009 Total</u>	
<u>2008</u>	<u>2009</u>	<u>Clinic</u>	<u>No.</u>	<u>Rate<sup>2</sup></u>	<u>No.</u>	<u>Rate<sup>2</sup></u>
164	151	Whangarei	0	0.0%	0	0.0%
10	11	Dargaville	0	0.0%	0	0.0%
7	6	Kaikohe	0	0.0%	0	0.0%
2657	2103	Auckland	82	3.1%	87	4.1%
<b>2838</b>	<b>2271</b>	<b>North</b>	<b>82</b>	<b>2.9%</b>	<b>87</b>	<b>3.8%</b>
984	906	Hamilton	13	1.3%	10	1.1%
497	550	Tauranga	12	2.4%	21	3.8%
104	155	Rotorua	0	0.0%	0	0.0%
69	52	Whakatane	2	2.9%	1	1.9%
68	0	Taupo	0	0.0%	0	0.0%
243	221	New Plymouth	9	3.7%	13	5.9%
0	87	Gisborne	0	0.0%	0	0.0%
<b>1965</b>	<b>1971</b>	<b>Midland</b>	<b>36</b>	<b>1.8%</b>	<b>45</b>	<b>2.3%</b>
58	96	Napier	0	0.0%	0	0.0%
33	37	Hastings	0	0.0%	0	0.0%
80	106	Wanganui	3	3.8%	0	0.0%
448	907	Palmerston North/Levin/Dannevirke	14	3.1%	8	0.9%
817	957	Wellington	9	1.1%	10	1.0%
107	110	Lower Hutt	0	0.0%	2	1.8%
33	14	Porirua	0	0.0%	0	0.0%
262	296	Nelson	6	2.3%	0	0.0%
100	45	Wairau (Blenheim)	0	0.0%	0	0.0%
<b>1938</b>	<b>2568</b>	<b>Central</b>	<b>32</b>	<b>1.7%</b>	<b>20</b>	<b>0.8%</b>
30	56	Greymouth	0	0.0%	0	0.0%
20	41	Westport/Buller	0	0.0%	1	2.4%
1607	1129	Christchurch	12	0.7%	16	1.4%
6	6	Ashburton	0	0.0%	0	0.0%
72	39	Timaru	0	0.0%	0	0.0%
224	221	Dunedin	2	0.9%	0	0.0%
313	208	Invercargill/Gore/Wyndham	5	1.6%	3	1.4%
<b>2272</b>	<b>1700</b>	<b>South</b>	<b>19</b>	<b>0.8%</b>	<b>20</b>	<b>1.2%</b>
<b>9013</b>	<b>8510</b>	<b>Total</b>	<b>169</b>	<b>1.9%</b>	<b>172</b>	<b>2.0%</b>

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

<sup>2</sup> 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 2.12: NSU (Males only) - Cases and Clinic Visit Rates<sup>1</sup> by Age, Sex and Ethnicity at SHCs**

Quarter 4 2009

		Age group (years)								Unk	Total
		<15	15-19	20-24	25-29	30-34	35-39	40-44	>44		
Males	European/Pakeha	0	9	24	27	23	11	10	16	0	120
		0.0	1.7	1.7	2.6	2.9	1.8	2.3	1.6	0.0	2.1
	Maori	0	5	2	3	5	1	2	0	0	18
		0.0	1.9	0.5	1.4	3.0	0.9	3.0	0.0	0.0	1.4
	Pacific Peoples	0	1	5	1	1	3	1	0	0	12
		0.0	2.4	4.7	1.1	1.9	8.8	5.0	0.0	-	3.1
	Other	0	1	4	6	5	2	0	0	0	18
		0.0	2.4	2.3	2.9	3.2	2.0	0.0	0.0	-	2.0
	Unknown	0	0	0	1	1	0	1	1	0	4
		0.0	0.0	0.0	3.4	5.3	0.0	8.3	3.1	-	2.9
Total		0	16	35	38	35	17	14	17	0	172
		0.0	1.8	1.6	2.4	3.0	2.0	2.3	1.4	0.0	2.0

<sup>1</sup> Rate = (total number of cases / total number of visits) \* 100, expressed as a percentage

## Family Planning Clinic (FPC) Data

### Chlamydia

**Table 3.1: Chlamydia - Cases and Clinic Visit Rates<sup>1</sup> by Age, Sex and Ethnicity at FPCs**

Quarter 4 2009

		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	15	26	13	4	1	1	0	0	<b>60</b>
		0.0	3.6	4.8	5.5	3.1	0.9	1.1	0.0	-	<b>3.7</b>
	Maori	0	15	26	5	0	0	0	0	0	<b>46</b>
		0.0	11.6	17.6	15.2	0.0	0.0	0.0	0.0	-	<b>13.2</b>
	Pacific Peoples	0	1	6	4	0	0	0	0	0	<b>11</b>
		0.0	4.0	12.5	14.8	0.0	0.0	0.0	0.0	-	<b>9.3</b>
	Other	0	0	2	1	1	0	0	0	0	<b>4</b>
		0.0	0.0	5.1	4.8	8.3	0.0	0.0	0.0	-	<b>3.5</b>
	Unknown	0	1	1	1	0	0	0	0	0	<b>3</b>
		0.0	2.7	2.2	5.6	0.0	0.0	0.0	0.0	-	<b>1.8</b>
<b>Total</b>		<b>0</b>	<b>32</b>	<b>61</b>	<b>24</b>	<b>5</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>124</b>
		<b>0.0</b>	<b>5.1</b>	<b>7.4</b>	<b>7.2</b>	<b>2.7</b>	<b>0.7</b>	<b>0.9</b>	<b>0.0</b>	<b>0.0</b>	<b>5.3</b>
<b>Females</b>	European/Pakeha	2	135	147	31	11	5	2	0	0	<b>333</b>
		3.3	1.8	1.5	0.7	0.5	0.3	0.1	0.0	-	<b>1.1</b>
	Maori	2	93	91	18	5	3	1	0	0	<b>213</b>
		2.6	4.1	4.3	2.3	1.1	0.9	0.6	0.0	-	<b>3.4</b>
	Pacific Peoples	0	23	31	14	5	2	1	0	0	<b>76</b>
		0.0	3.9	4.0	4.6	2.5	1.6	1.3	0.0	-	<b>3.5</b>
	Other	0	4	11	7	3	3	0	0	0	<b>28</b>
		0.0	0.9	1.3	1.0	0.7	0.9	0.0	0.0	-	<b>0.9</b>
	Unknown	0	11	9	2	4	1	0	0	0	<b>27</b>
		0.0	1.7	1.3	0.4	1.1	0.4	0.0	0.0	0.0	<b>0.9</b>
<b>Total</b>		<b>4</b>	<b>266</b>	<b>289</b>	<b>72</b>	<b>28</b>	<b>14</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>677</b>
		<b>2.5</b>	<b>2.3</b>	<b>2.0</b>	<b>1.1</b>	<b>0.7</b>	<b>0.5</b>	<b>0.2</b>	<b>0.0</b>	<b>0.0</b>	<b>1.5</b>

<sup>1</sup> Rate = (total number of cases / total number of visits) \* 100, expressed as a percentage

## Gonorrhoea

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

Quarter 4 2009

		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	2	1	0	0	0	0	0	5
		0.0	0.5	0.4	0.4	0.0	0.0	0.0	0.0	-	0.3
	Maori	0	1	2	1	0	0	0	0	0	4
		0.0	0.8	1.4	3.0	0.0	0.0	0.0	0.0	-	1.1
	Pacific Peoples	0	0	1	0	0	0	0	0	0	1
		0.0	0.0	2.1	0.0	0.0	0.0	0.0	0.0	-	0.8
<b>Total</b>		<u>0</u>	<u>3</u>	<u>5</u>	<u>2</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>10</u>
		<u>0.0</u>	<u>0.5</u>	<u>0.7</u>	<u>0.7</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.5</u>
<b>Females</b>	European/Pakeha	0	3	2	1	1	0	0	0	0	7
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0
	Maori	0	6	12	1	1	0	0	0	0	20
		0.0	0.3	0.6	0.1	0.2	0.0	0.0	0.0	-	0.3
	Pacific Peoples	0	2	3	0	0	0	0	0	0	5
		0.0	0.3	0.4	0.0	0.0	0.0	0.0	0.0	-	0.2
<b>Total</b>		<u>0</u>	<u>13</u>	<u>17</u>	<u>2</u>	<u>2</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>34</u>
		<u>0.0</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>0.0</u>	<u>0.1</u>

<sup>1</sup> Rate = (total number of cases / total number of visits) \* 100, expressed as a percentage

## Genital Herpes (First presentation)

**Table 3.3: Genital Herpes - Cases and Clinic Visit Rates<sup>1</sup> by Age, Sex and Ethnicity at FPCs**

Quarter 4 2009

		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	1	3	2	2	0	1	0	0	<b>9</b>
		0.0	0.2	0.6	0.9	1.6	0.0	1.1	0.0	-	<b>0.6</b>
	Maori	0	0	2	0	0	0	0	0	0	<b>2</b>
		0.0	0.0	1.4	0.0	0.0	0.0	0.0	0.0	-	<b>0.6</b>
	Other	0	0	0	1	0	0	0	0	0	<b>1</b>
		0.0	0.0	0.0	4.8	0.0	0.0	0.0	0.0	-	<b>0.9</b>
	Unknown	0	0	0	0	0	1	0	0	0	<b>1</b>
		0.0	0.0	0.0	0.0	0.0	6.3	0.0	0.0	-	<b>0.6</b>
<b>Total</b>		<b>0</b>	<b>1</b>	<b>5</b>	<b>3</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>13</b>
		<b>0.0</b>	<b>0.2</b>	<b>0.6</b>	<b>1.0</b>	<b>1.1</b>	<b>0.7</b>	<b>0.9</b>	<b>0.0</b>	<b>0.0</b>	<b>0.6</b>
<b>Females</b>	European/Pakeha	0	10	7	6	1	1	4	1	0	<b>30</b>
		0.0	0.1	0.1	0.1	0.0	0.1	0.3	0.1	-	<b>0.1</b>
	Maori	0	5	3	1	1	0	0	0	0	<b>10</b>
		0.0	0.2	0.1	0.1	0.2	0.0	0.0	0.0	-	<b>0.2</b>
	Pacific Peoples	0	0	1	0	0	0	0	0	0	<b>1</b>
		0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	-	<b>0.0</b>
	Other	0	2	0	0	1	0	2	0	0	<b>5</b>
		0.0	0.4	0.0	0.0	0.2	0.0	0.8	0.0	-	<b>0.2</b>
Unknown		0	1	0	0	0	1	0	1	0	<b>3</b>
		0.0	0.2	0.0	0.0	0.0	0.4	0.0	0.4	0.0	<b>0.1</b>
<b>Total</b>		<b>0</b>	<b>18</b>	<b>11</b>	<b>7</b>	<b>3</b>	<b>2</b>	<b>6</b>	<b>2</b>	<b>0</b>	<b>49</b>
		<b>0.0</b>	<b>0.2</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.3</b>	<b>0.1</b>	<b>0.0</b>	<b>0.1</b>

<sup>1</sup> Rate = (total number of cases / total number of visits) \* 100, expressed as a percentage



## Genital Warts (First presentation)

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

Quarter 4 2009

		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	15	9	1	0	0	1	0	28
		0.0	0.5	2.8	3.8	0.8	0.0	0.0	1.1	-	1.7
	Maori	0	2	2	2	0	0	0	0	0	6
		0.0	1.6	1.4	6.1	0.0	0.0	0.0	0.0	-	1.7
	Pacific Peoples	0	0	1	0	0	0	0	0	0	1
		0.0	0.0	2.1	0.0	0.0	0.0	0.0	0.0	-	0.8
	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	-	0.9
<b>Total</b>		<u>0</u>	<u>4</u>	<u>19</u>	<u>11</u>	<u>1</u>	<u>0</u>	<u>0</u>	<u>1</u>	<u>0</u>	<u>36</u>
		<u>0.0</u>	<u>0.7</u>	<u>2.5</u>	<u>3.5</u>	<u>0.6</u>	<u>0.0</u>	<u>0.0</u>	<u>0.9</u>	<u>0.0</u>	<u>1.6</u>
<b>Females</b>	European/Pakeha	0	20	42	9	4	2	1	0	0	78
		0.0	0.3	0.4	0.2	0.2	0.1	0.1	0.0	-	0.3
	Maori	0	7	9	0	0	1	0	1	0	18
		0.0	0.3	0.4	0.0	0.0	0.3	0.0	0.6	-	0.3
	Pacific Peoples	0	1	1	1	0	0	0	0	0	3
		0.0	0.2	0.1	0.3	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	4	1	0	0	0	0	0	6
		0.0	0.2	0.6	0.2	0.0	0.0	0.0	0.0	0.0	0.2
<b>Total</b>		<u>0</u>	<u>29</u>	<u>57</u>	<u>11</u>	<u>4</u>	<u>3</u>	<u>1</u>	<u>1</u>	<u>0</u>	<u>106</u>
		<u>0.0</u>	<u>0.2</u>	<u>0.4</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>

<sup>1</sup> Rate = (total number of cases / total number of visits) \* 100, expressed as a percentage

# Student & Youth Health Clinic (SYHC) Data

## Chlamydia

**Table 4.1: Chlamydia - Cases and Clinic Visit Rates<sup>1</sup> by Age, Sex and Ethnicity at SYHCs**

Quarter 4 2009

		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	13	20	2	0	0	1	0	0	36
		0.0	1.1	0.6	0.2	0.0	0.0	0.9	0.0	-	0.6
	Maori	0	4	4	0	0	0	0	0	0	8
		0.0	3.3	0.9	0.0	0.0	0.0	0.0	0.0	-	0.9
	Pacific Peoples	0	1	0	1	0	0	0	0	0	2
		0.0	2.6	0.0	3.6	0.0	0.0	0.0	0.0	-	0.6
	Other	0	1	1	0	1	0	0	0	0	3
		0.0	0.2	0.1	0.0	0.3	0.0	0.0	0.0	-	0.1
	Unknown	0	1	1	0	1	0	0	0	0	3
		0.0	2.7	0.8	0.0	5.3	0.0	0.0	0.0	0.0	0.1
<b>Total</b>		<u>0</u>	<u>20</u>	<u>26</u>	<u>3</u>	<u>2</u>	<u>0</u>	<u>1</u>	<u>0</u>	<u>0</u>	<u>52</u>
		<u>0.0</u>	<u>1.1</u>	<u>0.4</u>	<u>0.2</u>	<u>0.2</u>	<u>0.0</u>	<u>0.3</u>	<u>0.0</u>	<u>0.0</u>	<u>0.3</u>
<b>Females</b>	European/Pakeha	0	34	51	3	0	0	0	0	0	88
		0.0	1.0	0.6	0.3	0.0	0.0	0.0	0.0	-	0.6
	Maori	2	31	12	0	0	0	0	0	0	45
		15.4	6.3	1.3	0.0	0.0	0.0	0.0	0.0	-	2.0
	Pacific Peoples	0	3	6	3	0	0	0	0	0	12
		0.0	2.6	1.9	2.2	0.0	0.0	0.0	0.0	-	1.7
	Other	0	4	6	0	0	0	0	0	0	10
		0.0	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2
	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
<b>Total</b>		<u>2</u>	<u>72</u>	<u>76</u>	<u>6</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>156</u>
		<u>1.2</u>	<u>1.5</u>	<u>0.6</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>0.5</u>

<sup>1</sup> Rate = (total number of cases / total number of visits) \* 100, expressed as a percentage

## Gonorrhoea

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

Quarter 4 2009

		Age group (years)								Unk	Total
		<15	15-19	20-24	25-29	30-34	35-39	40-44	>44		
Males	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
	<b>Total</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>
		<b>0.0</b>	<b>0.0</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>0.0</b>
Females	Maori	0	1	1	0	0	0	0	0	0	2
		0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.0	-	0.1
	<b>Total</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>
		<b>0.0</b>	<b>0.2</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 = (total number of cases / total number of visits) \* 100, expressed as a percentage

## Genital Herpes (First presentation)

**Table 4.3: Genital Herpes - Cases and Clinic Visit Rates<sup>1</sup> by Age, Sex and Ethnicity at SYHCs**

Quarter 4 2009

		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	0	0	0	2
		0.0	0.0	0.1	0.0	0.0	0.0	0.0	-	0.0
	Maori	0	0	1	0	0	0	0	0	1
		0.0	0.0	0.2	0.0	0.0	0.0	0.0	-	0.1
	Unknown	0	0	1	0	0	0	0	0	1
<b>Females</b>		0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0
	<b>Total</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>
		<b>0.0</b>	<b>0.0</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>
	European/Pakeha	0	4	3	0	0	0	0	0	7
		0.0	0.1	0.0	0.0	0.0	0.0	0.0	-	0.0
<b>Females</b>	Maori	0	1	2	0	1	0	0	0	4
		0.0	0.2	0.2	0.0	0.7	0.0	0.0	-	0.2
	<b>Total</b>	<b>0</b>	<b>5</b>	<b>5</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>11</b>
		<b>0.0</b>	<b>0.1</b>	<b>0.1</b>	<b>0.0</b>	<b>0.2</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.1</b>

<sup>1</sup> Rate = (total number of cases / total number of visits) \* 100, expressed as a percentage

## Genital Warts (first presentation)

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

Quarter 4 2009

		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	1	15	0	0	0	0	0	0	16
		0.0	0.1	0.4	0.0	0.0	0.0	0.0	0.0	-	0.2
	Maori	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	2	0	0	0	0	0	0	2
		0.0	0.0	0.1	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	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total</b>		<u>0</u>	<u>2</u>	<u>18</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>20</u>
		<u>0.0</u>	<u>0.1</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>0.1</u>
<b>Females</b>	European/Pakeha	0	7	14	3	0	0	0	0	0	24
		0.0	0.2	0.2	0.3	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	0.1	0.0	0.0	0.0	0.0	0.0	-	0.0
	Pacific Peoples	0	1	0	0	0	0	0	0	0	1
		0.0	0.9	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	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
<b>Total</b>		<u>0</u>	<u>8</u>	<u>17</u>	<u>3</u>	<u>0</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>0.1</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>

<sup>1</sup> Rate = (total number of cases / total number of visits) \* 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>	<p>First diagnosis for the person at your clinic, with either</p> <ol style="list-style-type: none"> <li>1. laboratory detection of herpes simplex virus (HSV) from a clinical specimen, <b>or</b></li> <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>	<p>First diagnosis for the person at your clinic, with <u>visible</u>* typical lesion(s) on internal or external genitalia, perineum, or perianal region.</p> <p>* Do not include persons for whom there is <u>only</u> demonstration of human papillomavirus (HPV) on cervical cytology or other laboratory method.</p>
<b>Syphilis</b>	<p>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.</p>
<b>Non-Specific Urethritis (NSU) (males only)</b>	<p>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.</p>
<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, <b>or</b> 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, <b>or</b> A clinically compatible illness in a person who is a contact of a confirmed case.</p>