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

January to March 2006

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by

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

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#### This report is also available at www.surv.esr.cri.nz Ad Hoc STI requests may be emailed to survqueries@esr.cri.nz

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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 14 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 <u>www.surv.esr.cri.nz</u>.

All results and analyses are based on data submitted prior to the 9<sup>th</sup> June 2006. 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.

#### STI Rates

Quarterly clinic-specific disease rates were calculated by dividing the total number of confirmed and probable 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 STI rates are not annualised.

#### Data completeness

#### <u>SHCs</u>

Twenty-seven SHCs participate in STI surveillance. All twenty-seven clinics provided STI data by the date required for all three months of the first quarter (January to March) 2006. One SHC was closed during January.

#### **FPCs**

Thirty-six FPCs participate in STI surveillance. All thirty-six clinics provided STI data for the first quarter (January to March) 2006. 1/36 (2.8%) of FPCs were not able to provide data by the date required for all three months in this quarter. FPCs include some outreach clinics based in schools or tertiary institutions, which may have been closed during school holidays.

#### SYHCs

Fourteen SYHCs participate in STI surveillance. All of these clinics provided STI data for the first quarter (January to March) 2006. 1/14 (7.1%) of SYHCs were not able to provide data by the date required for all three months of the quarter. It should be noted that some SYHCs based in schools or tertiary institutions may have been closed during holiday periods.

#### Overview

#### Sexual Health Clinics (SHCs)

During the current quarter, SHCs reported 21,645 visits. A total of 1,229 confirmed cases of chlamydia, 221 confirmed cases of gonorrhoea, 191 cases of genital herpes, 965 cases of genital warts, 18 cases of syphilis and 219 cases of NSU in males were reported. STI rates and comparisons with the equivalent quarter in 2005 are shown in Table 1.

#### Family Planning Clinics (FPCs)

During the current quarter, FPCs reported 44,768 visits. A total of 703 confirmed cases of chlamydia, 52 confirmed cases of gonorrhoea, 29 cases of genital herpes, 129 cases of genital warts, 1 case of syphilis, and 4 cases of NSU in males were reported. STI rates and comparisons with the equivalent quarter in 2005 are shown in Table 1.

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

During the current quarter, SYHCs reported 37,745 visits. A total of 130 confirmed cases of chlamydia, 13 confirmed cases of gonorrhoea, 8 cases of genital herpes, 26 cases of genital warts, and 1 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 2005 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.

Table 1. Number and rate of STIs reported by SHCs, FPCs and SYHCs in January to March 2006, compared to the equivalent quarter of 2005.

Clinical		January to 2005		January to 2006		Rate <sup>2</sup> change <sup>3</sup>
setting	STI	Total <sup>1</sup> number of	<b>Rate<sup>2</sup></b> (%)	Total <sup>1</sup> number of	<b>Rate<sup>2</sup></b> (%)	between quarters
		cases		cases		
SHCs	Chlamydia	1,188	5.8	1,417	6.5	
	Gonorrhoea	188	0.9	244	1.1	
	Genital herpes	179	0.9	191	0.9	_
	Genital warts	954	4.7	965	4.5	▼
	Syphilis	3	0.0	18	0.1	
	NSU (Males Only)	187	2.3	219	2.4	
	· · · · · ·					
FPCs	Chlamydia	526	1.2	858	1.9	
	Gonorrhoea	49	0.1	66	0.1	—
	Genital herpes	38	0.1	29	0.1	_
	Genital warts	123	0.3	129	0.3	_
	Syphilis	1	0.0	1	0.0	—
	NSU (Males Only)	4	0.2	4	0.2	—
SYHCs	Chlamydia	100	0.4	133	0.4	—
	Gonorrhoea	3	0.0	13	0.0	—
	Genital herpes	8	0.0	8	0.0	
	Genital warts	20	0.1	26	0.1	_
	Syphilis	0	0.0	0	0.0	_
	NSU (Males Only)	5	0.1	1	0.0	▼

<sup>&</sup>lt;sup>1</sup>Chlamydia and gonorrhoea totals includes confirmed and probable cases.

<sup>&</sup>lt;sup>2</sup>Rate=(total number of cases/total number of clinic visits) x 100.

<sup>&</sup>lt;sup>3</sup> —, no change in rate; ▲, rate increase; ▼, rate decrease. Comparison of crude rates not tested for significance.

## **All Clinic Data**

#### Table 1.1: Summary - Disease Rate by Clinic Type

#### Quarter 1 2006

	To	otal Clinic		a	<u>Genital</u>		a 1994
<u>Clinic Type, by area</u>		Visits <sup>1</sup>	<u>Chlamydia<sup>2</sup></u>	Gonorrhoea <sup>2</sup>	<u>Herpes^</u>	Warts^	<u>Syphilis*</u>
North							
Sexual Health Clinics	No.	6,070	276	77	55	272	7
	Rate <sup>3</sup>	, i i i i i i i i i i i i i i i i i i i	4.5%	1.3%	0.9%	4.5%	0.1%
Family Planning Clinics	No.	19,000	394	27	12	45	0
	Rate <sup>3</sup>		2.1%	0.1%	0.1%	0.2%	0.0%
Student & Youth Health	No.	8,889	20	0	1	7	0
	Rate <sup>3</sup>		0.2%	0.0%	0.0%	0.1%	0.0%
Subtotal North		33,959	690	104	68	324	7
Midland							
Sexual Health Clinics	No.	6,336	583	76	59	265	5
	Rate <sup>3</sup>		9.2%	1.2%	0.9%	4.2%	0.1%
Family Planning Clinics	No.	5,080	111	6	1	13	0
	Rate <sup>3</sup>		2.2%	0.1%	0.0%	0.3%	0.0%
Student & Youth Health	No.	9,710	19	0	1	3	
	Rate <sup>3</sup>		0.2%	0.0%	0.0%	0.0%	0.0%
Subtotal Midland		21,126	713	82	61	281	5
Central							
Sexual Health Clinics	No.	5,130	310	48	39	225	6
	Rate <sup>3</sup>		6.0%	0.9%	0.8%	4.4%	0.1%
Family Planning Clinics	No.	9,077	195	15	10	30	1
	Rate <sup>3</sup>		2.1%	0.2%	0.1%	0.3%	0.0%
Student & Youth Health	No.	11,529	54	5	4	11	0
	Rate <sup>3</sup>		0.5%	0.0%	0.0%	0.1%	0.0%
Subtotal Central		25,736	559	68	53	266	7
South							
Sexual Health Clinics	No.	4,109	248	43	38	203	0
	Rate <sup>3</sup>		6.0%	1.0%	0.9%	4.9%	0.0%
Family Planning Clinics	No.	11,611	158	18	6	41	0
	Rate <sup>3</sup>		1.4%	0.2%	0.1%	0.4%	0.0%
Student & Youth Health	No.	7,617	40	8	2	5	0
	Rate <sup>3</sup>		0.5%	0.1%	0.0%	0.1%	0.0%
Subtotal South		23,337	446	69	46	249	0
All							
Sexual Health Clinics	No.	21,645	1,417	244	191	965	18
	Rate.	,	6.5%	1.1%	0.9%	4.5%	0.1%
Family Planning Clinics	No.	44,768	858	66	29	129	1
5 6	Rate.	,	1.9%	0.1%	0.1%	0.3%	0.0%
Student & Youth Health	No.	37,745	133	13	8	26	0
	Rate.		0.4%	0.0%	0.0%	0.1%	0.0%
Total	No.	104,158	2,408	323	228	1,120	19
	Rate.		2.3%	0.3%	0.2%	1.1%	0.0%

<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

^ First presentation at that clinic.

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

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

		Confirmed		Probable	
	Uncomplicated, lower anogenital	PID/epididymitis	Other site		Total <sup>3</sup>
	No.1 %²	No.1 %²	No.1 %²	No.1 %²	No.1
Sexual Health Clinics	1163 81.7%	44 3.1%	29 2.0%	188 13.2%	1424
Family Planning Clinics	691 80.5%	12 1.4%	0 0.0%	155 18.1 %	858
Student & Youth Health Clinics	107 80.5%	22 16.5%	1 0.8%	3 2.3%	133
Total	1961 81.2%	78 3.2%	30 1.2%	346 14.3%	2415

Summary - Gonorrhoea Site of Infection Table 1.3:

					Con	firmed								
	Uncomplicated infection		PID/		E xtra-genital infection			Probab k		Total³				
	Urog	enital	Ano	rectal	epididymitis		Pha	ynx	Other site					
	No.1	%²	No.1	%²	No.1	%²	No.1	%²	No.1	%²	No.1	%²	No.1	
Sexual Health Clinics	200	79.4%	12	48%	10	4D%	6	2.4%	1	0.4%	23	9.1%	252	
Family Planning Clinics	50	75.8%	1	15%	1	1.5%	D	0.0%	D	0.0%	14	21.2%	66	
Student & Youth Health Clinics	12	92.3%	D	00%	1	7.7%	0	0.0%	D	0.0%	D	00%	13	
Total	262	79.2%	13	3.9%	12	3.6%	6	1.8%	1	0.3%	37	112%	331	

 $<sup>^{1}</sup>$  No. = no. cases with diagnosis  $^{2}$  % = no. cases with diagnosis/total no. confirmed or probable cases by disease

<sup>3</sup> Total = total no. confirmed or probable cases by disease; note that the cases may have been confirmed by disease at more than one site.

## Sexual Health Clinic (SHC) Data

#### Chlamydia

#### Table 2.1: Chlamydia - Disease rates by SHC

							Quu	
<u>Total Cli</u>	nic Visi	ts <sup>1</sup>	2	<u>2005</u>			<u>2006</u>	
			<u>No.</u>	Total		<u>No.</u>	<u>Total</u>	
2005	<u>2006</u>	<u>Clinic</u>	Confirmed	No. <sup>2</sup>	Rate <sup>3</sup>	Confirmed	No. <sup>2</sup>	Rate <sup>3</sup>
351	390	Whangarei	25	25	7.1%	19	20	5.1%
0	104	Dargaville	0	0	0.0%	3	3	2.9%
62	77	Kaikohe	7	7	11.3%	8	8	10.4%
5219	5499	Auckland	221	239	4.6%	229	245	4.5%
5632	6070	North	253	271	4.8%	259	276	4.5%
2073	2174	Hamilton	149	158	7.6%	203	214	9.8%
2118	1945	Tauranga	139	140	6.6%	131	132	6.8%
321	334	Rotorua	16	17	5.3%	25	29	8.7%
248	294	Whakatane	32	32	12.9%	39	44	15.0%
218	216	Taupo	7	21	9.6%	19	28	13.0%
569	577	New Plymouth	55	76	13.4%	73	90	15.6%
711	796	Gisborne	45	45	6.3%	46	46	5.8%
6258	6336	Midland	443	489	7.8%	536	583	9.2%
327	331	Napier	29	29	8.9%	41	41	12.4%
83	156	Hastings	11	11	13.3%	19	19	12.2%
271	235	Wanganui	20	21	7.7%	14	17	7.2%
940	959	Palmerston North/Levin/Dannevirke	49	72	7.7%	70	101	10.5%
2272	2398	Wellington	30	53	2.3%	56	78	3.3%
222	268	Lower Hutt	8	8	3.6%	8	9	3.4%
154	166	Porirua	9	14	9.1%	5	9	5.4%
305	480	Nelson	15	16	5.2%	21	29	6.0%
128	137	Wairau (Blenheim)	10	12	9.4%	7	7	5.1%
4702	5130	Central	181	236	5.0%	241	310	6.0%
109	128	Greymouth	4	8	7.3%	1	6	4.7%
0	81	Westport/Buller	0	0	0.0%	3	5	6.2%
2168	2370	Christchurch	65	93	4.3%	86	115	4.9%
44	43	Ashburton	2	2	4.5%	1	2	4.7%
185	141	Timaru	3	3	1.6%	11	11	7.8%
733	816	Dunedin	35	36	4.9%	40	42	5.1%
539	530	Invercargill/Gore	44	50	9.3%	51	67	12.6%
3778	4109	South	153	192	5.1%	193	248	6.0%
20370	21645	Total	1030	1188	5.8%	1229	1417	6.5%

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

<sup>2</sup> Total No. = no. confirmed cases + no. probable cases.

<sup>3</sup> Rate = (total no. cases / total no. 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

Ouarter 1

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

Quarter 1 2006

		Age group (years)									
		<u>&lt;15</u>	<u>15-19</u>	<u>20-24</u>	<u>25-29</u>	<u>30-34</u>	<u>35-39</u>	<u>40-44</u>	<u>&gt;44</u>	<u>Unk</u>	<u>Total</u>
Males	European/Pakeha	0	84	156	95	38	20	9	11	0	413
	-	0.0	14.9	9.2	7.6	3.9	2.9	1.8	1.2	0.0	6.3
	Maori	2	54	72	22	10	12	5	1	0	178
		15.4	22.0	22.3	10.2	5.9	13.8	10.6	2.0	0.0	15.5
	Pacific Peoples	0	9	18	10	2	5	2	0	0	46
		0.0	30.0	20.9	14.9	4.1	19.2	9.1	0.0	-	15.8
	Other	0	5	16	15	6	3	1	1	0	47
		0.0	10.9	8.6	7.8	5.4	2.5	1.3	0.9	0.0	5.6
	Unknown	0	4	4	1	0	0	1	0	0	10
		0.0	30.8	11.4	5.0	0.0	0.0	7.1	0.0	-	7.1
	Total	<u>2</u>	<u>156</u>	<u>266</u>	<u>143</u>	<u>56</u>	<u>40</u>	<u>18</u>	<u>13</u>	<u>0</u>	<u>694</u> <u>7.7</u>
		12.5	<u>17.4</u>	<u>11.5</u>	<u>8.2</u>	<u>4.2</u>	<u>4.3</u>	2.7	<u>1.2</u>	<u>0.0</u>	7.7
Females	European/Pakeha	8	164	111	49	12	7	2	5	0	358
	*	6.9	6.3	5.1	3.7	1.5	1.4	0.6	1.1	0.0	4.3
	Maori	10	168	63	33	14	2	2	2	0	294
		13.7	14.8	9.8	7.2	5.3	1.5	2.2	2.7	0.0	10.2
	Pacific Peoples	0	11	16	4	3	3	0	0	0	37
		0.0	10.7	13.0	5.6	6.4	11.5	0.0	0.0	-	9.2
	Other	1	12	10	5	2	0	0	0	0	30
		14.3	7.7	3.9	2.3	1.4	0.0	0.0	0.0	-	3.1
	Unknown	0	3	1	0	0	0	0	0	0	4
		0.0	33.3	5.9	0.0	0.0	0.0	0.0	0.0	0.0	6.1
	Total	<u>19</u>	<u>358</u>	<u>201</u>	<u>91</u>	<u>31</u>	<u>12</u>	<u>4</u>	<u>7</u>	<u>0</u>	<u>723</u>
		<u>9.1</u>	<u>8.9</u>	<u>6.3</u>	<u>4.4</u>	<u>2.5</u>	<u>1.6</u>	<u>0.8</u>	<u>1.2</u>	<u>0.0</u>	5.7

<sup>1</sup> For Chlamydia and Gonorrhoea, cases = no. confirmed cases + no. probable cases

<sup>2</sup> Rate = (total number of cases / total number of visits) x 100, expressed as a percentage

#### Gonorrhoea

#### Table 2.3: Gonorrhoea - Disease rates by SHC

Total Clin	ic Visits	1	2	2005			<u>2006</u>	
			No.	<u>Total</u>		<u>No.</u>	<u>Total</u>	
<u>2005</u>	<u>2006</u>	Clinic	<b>Confirmed</b>	No. <sup>2</sup>	Rate <sup>3</sup>	<b>Confirmed</b>	No. <sup>2</sup>	Rate <sup>3</sup>
351	390	Whangarei	0	0	0.0%	2	3	0.8%
0	104	Dargaville	0	0	0.0%	0	0	0.0%
62	77	Kaikohe	0	0	0.0%	0	0	0.0%
5219	5499	Auckland	89	96	1.8%	65	74	1.3%
5632	6070	North	89	96	1.7%	67	77	1.3%
2073	2174	Hamilton	22	23	1.1%	30	30	1.4%
2118	1945	Tauranga	7	7	0.3%	18	19	1.0%
321	334	Rotorua	5	5	1.6%	4	4	1.2%
248	294	Whakatane	2	3	1.2%	9	9	3.1%
218	216	Taupo	0	3	1.4%	3	4	1.9%
569	577	New Plymouth	1	2	0.4%	1	1	0.2%
711	796	Gisborne	8	8	1.1%	9	9	1.1%
6258	6336	Midland	45	51	0.8%	74	76	1.2%
327	331	Napier	3	3	0.9%	15	15	4.5%
83	156	Hastings	4	4	4.8%	4	4	2.6%
271	235	Wanganui	0	0	0.0%	2	2	0.9%
940	959	Palmerston North/Levin/Dannevirke	3	5	0.5%	8	10	1.0%
2272	2398	Wellington	8	8	0.4%	8	8	0.3%
222	268	Lower Hutt	2	2	0.9%	2	2	0.7%
154	166	Porirua	2	2	1.3%	2	2	1.2%
305	480	Nelson	0	0	0.0%	4	5	1.0%
128	137	Wairau (Blenheim)	0	0	0.0%	0	0	0.0%
4702	5130	Central	22	24	0.5%	45	48	0.9%
109	128	Greymouth	0	0	0.0%	0	2	1.6%
0	81	Westport/Buller	0	0	0.0%	0	0	0.0%
2168	2370	Christchurch	14	14	0.6%	17	21	0.9%
44	43	Ashburton	0	0	0.0%	0	0	0.0%
185	141	Timaru	2	2	1.1%	0	0	0.0%
733	816	Dunedin	1	1	0.1%	2	3	0.4%
539	530	Invercargill/Gore	0	0	0.0%	16	17	3.2%
3778	4109	South	17	17	0.4%	35	43	1.0%
20370	21645	Total	173	188	0.9%	221	244	1.1%

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

<sup>2</sup> Total No. = no. confirmed cases + no. probable cases.

<sup>3</sup> Rate = (total no. cases / total no. 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

Quarter 1

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

Quarter 1 2006

		Age group (years)									
		<15	<u>15-19</u>	<u>20-24</u>	25-29	<u>30-34</u>	<u>35-39</u>	<u>40-44</u>	>44	Unk	Total
Males	European/Pakeha	0	19	18	18	6	4	4	6	0	75
	*	0.0	3.4	1.1	1.4	0.6	0.6	0.8	0.6	0.0	1.1
	Maori	0	19	11	7	6	0	2	0	0	45
		0.0	7.8	3.4	3.3	3.5	0.0	4.3	0.0	0.0	3.9
	Pacific Peoples	0	1	5	6	0	1	1	0	0	14
		0.0	3.3	5.8	9.0	0.0	3.8	4.5	0.0	-	4.8
	Other	0	4	2	2	1	1	0	0	0	10
		0.0	8.7	1.1	1.0	0.9	0.8	0.0	0.0	0.0	1.2
	Unknown	0	1	0	0	0	0	0	0	0	1
		0.0	14.3	0.0	0.0	0.0	0.0	0.0	0.0	-	1.8
	Total	<u>0</u>	<u>44</u>	<u>36</u>	<u>33</u>	<u>13</u>	<u>6</u>	<u>7</u>	<u>6</u>	<u>0</u>	<u>145</u>
		<u>0.0</u>	<u>4.9</u>	<u>1.6</u>	<u>1.9</u>	<u>1.0</u>	<u>0.7</u>	<u>1.1</u>	<u>0.5</u>	<u>0.0</u>	<u>1.6</u>
Females	European/Pakeha	3	12	12	4	2	1	0	2	0	36
	1	2.6	0.5	0.6	0.3	0.3	0.2	0.0	0.4	0.0	0.4
	Maori	2	30	8	6	4	1	0	0	0	51
		2.7	2.6	1.2	1.3	1.5	0.8	0.0	0.0	0.0	1.8
	Pacific Peoples	0	3	2	1	1	0	0	0	0	7
	-	0.0	4.0	2.3	1.9	3.3	0.0	0.0	0.0	-	2.4
	Other	0	2	1	0	0	0	0	0	0	3
		0.0	1.7	0.5	0.0	0.0	0.0	0.0	0.0	-	0.4
	Unknown	0	2	0	0	0	0	0	0	0	2
		0.0	22.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0
	Total	<u>5</u>	<u>49</u>	<u>23</u>	<u>11</u>	<u>7</u>	<u>2</u>	<u>0</u>	<u>2</u>	<u>0</u>	<u>99</u>
		<u>2.4</u>	<u>1.2</u>	<u>0.7</u>	<u>0.6</u>	<u>0.6</u>	<u>0.3</u>	<u>0.0</u>	<u>0.3</u>	<u>0.0</u>	<u>0.8</u>

<sup>1</sup> For Chlamydia and Gonorrhoea, cases = no. confirmed cases + no. probable cases

<sup>2</sup> Rate = (total number of cases / total number of visits) x 100, expressed as a percentage

#### **Genital Herpes (First presentation)**

#### Table 2.5: Genital Herpes - Disease rates by SHC

#### Quarter 1 **Total Clinic Visits<sup>1</sup>** <u>2005</u> <u>2006</u> Total Total 2005 2006 Clinic <u>No.</u> <u>No.</u> Rate<sup>2</sup> Rate<sup>2</sup> 351 390 Whangarei 9 2.3% 11% 4 0 104 Dargaville 0 0.0% 0 0.0% 62 77 Kaikohe 0 0.0% 0 0.0% Auckland 5219 5499 0.8% 37 0.7% 46 6070 North 41 0.7% 55 0.9% 5632 25 2073 2174 Hamilton 24 1.2% 1.1% 2118 1945 Tauranga 20 0.9% 22 1.1% 321 334 Rotorua 2 0.6% 3 0.9% 248 294 Whakatane 1 1 0.4% 0.3% 218 216 0 0.0% 0.5% Taupo 1 New Plymouth 569 577 9 1.6% 6 1.0% 711 796 Gisborne 2 0.3% 1 0.1% 6258 6336 Midland 58 0.9% 59 0.9% 327 331 7 2.1% 2 0.6% Napier 83 156 Hastings 2 2.4% 5 3.2% 271 235 Wanganui 2 0.7% 3 1.3% 940 959 Palmerston North/Levin/Dannevirke 7 8 0.7% 0.8% 2272 2398 Wellington 14 0.6% 16 0.7% 222 268 Lower Hutt 2 0.9% 1 0.4% 154 0.6% 0 166 Porirua 1 0.0% 305 480 Nelson 6 2.0% 2 0.4% 128 137 Wairau (Blenheim) 0.0% 2 1.5% 0 4702 5130 Central 41 0.9% 39 0.8% 109 1 0.9% 1 0.8% 128 Greymouth 81 Westport/Buller 0 0.0% 0 0.0% 0 2168 2370 Christchurch 22 1.0% 23 1.0% 44 43 Ashburton 0 0.0% 0 0.0% 185 141 Timaru 4 2.8% 3 1.6% 733 9 1.1% 816 Dunedin 6 0.8% 539 530 Invercargill/Gore 7 1.3% 1 0.2% 3778 38 0.9% 4109 South 39 1.0% 20370 21645 Total 179 0.9% 191 0.9%

<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 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.

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

## Quarter 1 2006

						Age gro	up (years	)			
		<15	<u>15-19</u>	<u>20-24</u>	<u>25-29</u>	<u>30-34</u>	<u>35-39</u>	<u>40-44</u>	<u>&gt;44</u>	Unk	<u>Total</u>
Males	European/Pakeha	0	3	18	19	14	9	1	2	0	66
1.11100	European Funena	0.0	0.5	1.1	1.5	1.4	1.3	0.2	0.2	0.0	1.0
	Maori	0	4	1	1	1	0	0	0	0	7
		0.0	1.6	0.3	0.5	0.6	0.0	0.0	0.0	0.0	0.6
	Pacific Peoples	0	0	0	0	0	0	1	0	0	1
		0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	-	1.0
	Other	0	0	3	4	0	2	0	0	0	9
		0.0	0.0	1.6	2.1	0.0	1.7	0.0	0.0	0.0	1.1
	Unknown	0	0	0	0	0	1	1	0	0	2
		0.0	0.0	0.0	0.0	0.0	25.0	20.0	0.0	-	7.1
	Total	<u>0</u>	<u>7</u>	<u>22</u>	<u>24</u>	<u>15</u>	<u>12</u>	<u>3</u>	<u>2</u>	<u>0</u>	<u>85</u>
		0.0	<u>0.8</u>	<u>1.0</u>	<u>1.4</u>	<u>1.2</u>	<u>1.3</u>	<u>0.5</u>	<u>0.2</u>	<u>0.0</u>	<u>1.0</u>
Females	European/Pakeha	0	18	32	12	5	8	4	4	0	83
	1	0.0	0.7	1.5	0.9	0.6	1.6	1.2	0.9	0.0	1.0
	Maori	0	5	5	3	0	0	1	1	0	15
		0.0	0.4	0.8	0.7	0.0	0.0	1.1	1.4	0.0	0.5
	Pacific Peoples	0	0	1	0	0	0	0	0	0	1
		0.0	0.0	2.3	0.0	0.0	0.0	0.0	0.0	-	0.6
	Other	0	0	3	1	0	1	0	1	0	6
		0.0	0.0	2.0	0.8	0.0	1.7	0.0	2.9	-	1.0
	Unknown	0	0	0	0	1	0	0	0	0	1
		0.0	0.0	0.0	0.0	9.1	0.0	0.0	0.0	-	2.9
	Total	<u>0</u>	<u>23</u>	<u>41</u>	<u>16</u>	<u>6</u>	<u>9</u>	<u>5</u>	<u>6</u>	<u>0</u>	<u>106</u>
		0.0	<u>0.6</u>	<u>1.4</u>	<u>0.8</u>	<u>0.5</u>	<u>1.3</u>	<u>1.1</u>	<u>1.1</u>	<u>0.0</u>	<u>0.9</u>

<sup>1</sup> For Chlamydia and Gonorrhoea, cases = no. confirmed cases + no. probable cases <sup>2</sup> Rate = (total number of cases / total number of visits) x 100, expressed as a percentage

## **Genital Warts (First presentation)**

#### Table 2.7: Genital Warts - Disease rates by SHC

					Qua	rter 1
<u>Total Cli</u>	nic Visi	<u>ts<sup>1</sup></u>	<u>2005</u> Total		<u>2006</u> Total	
2005	<u>2006</u>	<u>Clinic</u>	<u>No.</u>	Rate <sup>2</sup>	<u>No.</u>	Rate <sup>2</sup>
351	390	Whangarei	16	4.6%	12	3.1%
0	104	Dargaville	0	0.0%	1	1.0%
62	77	Kaikohe	0	0.0%	0	0.0%
5219	5499	Auckland	246	4.7%	259	4.7%
5632	6070	North	262	4.7%	272	4.5%
2073	2174	Hamilton	114	5.5%	107	4.9%
2118	1945	Tauranga	66	3.1%	82	4.2%
321	334	Rotorua	24	7.5%	24	7.2%
248	294	Whakatane	14	5.6%	16	5.4%
218	216	Taupo	2	0.9%	0	0.0%
569	577	New Plymouth	27	4.7%	36	6.2%
711	796	Gisborne	1	0.1%	0	0.0%
6258	6336	Midland	248	4.0%	265	4.2%
327	331	Napier	28	8.6%	16	4.8%
83	156	Hastings	8	9.6%	10	6.4%
271	235	Wanganui	20	7.4%	19	8.1%
940	959	Palmerston North/Levin/Dannevirke	51	5.4%	37	3.9%
2272	2398	Wellington	81	3.6%	77	3.2%
222	268	Lower Hutt	10	4.5%	11	4.1%
154	166	Porirua	9	5.8%	11	6.6%
305	480	Nelson	22	7.2%	30	6.3%
128	137	Wairau (Blenheim)	21	16.4%	14	10.2%
4702	5130	Central	250	5.3%	225	4.4%
109	128	Greymouth	5	4.6%	11	8.6%
0	81	Westport/Buller	0	0.0%	2	2.5%
2168	2370	Christchurch	101	4.7%	91	3.8%
44	43	Ashburton	2	4.5%	3	7.0%
185	141	Timaru	3	1.6%	10	7.1%
733	816	Dunedin	48	6.5%	40	4.9%
539	530	Invercargill/Gore	35	6.5%	46	8.7%
3778	4109	South	194	5.1%	203	4.9%
20370	21645	Total	954	4.7%	965	4.5%

<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 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<sup>1</sup> and Rates<sup>2</sup> by Age, Sex and Ethnicity at SHCs

## Quarter 1 2006

						Age grou	up (years	)			
		<u>&lt;15</u>	<u>15-19</u>	<u>20-24</u>	<u>25-29</u>	<u>30-34</u>	<u>35-39</u>	<u>40-44</u>	<u>&gt;44</u>	Unk	<u>Total</u>
Males	European/Pakeha	0	42	123	74	54	27	16	20	0	356
	1	0.0	7.5	7.3	6.0	5.6	4.0	3.2	2.1	0.0	5.4
	Maori	0	25	18	7	8	6	2	0	0	66
		0.0	10.2	5.6	3.3	4.7	6.9	4.3	0.0	0.0	5.7
	Pacific Peoples	0	4	8	0	1	2	0	0	0	15
		0.0	13.3	9.3	0.0	2.0	7.7	0.0	0.0	-	5.1
	Other	0	3	7	4	5	4	0	0	0	23
		0.0	6.5	3.7	2.1	4.5	3.4	0.0	0.0	0.0	2.7
	Unknown	0	1	3	2	1	0	1	0	0	8
		0.0	7.7	8.6	10.0	3.8	0.0	7.1	0.0	-	5.7
	Total	<u>0</u>	<u>75</u>	<u>159</u>	<u>87</u>	<u>69</u>	<u>39</u>	<u>19</u>	<u>20</u>	<u>0</u>	<u>468</u> <u>5.2</u>
		0.0	<u>8.4</u>	<u>6.9</u>	<u>5.0</u>	<u>5.2</u>	4.2	<u>2.9</u>	<u>1.8</u>	<u>0.0</u>	5.2
Females	European/Pakeha	5	155	100	45	24	13	5	8	0	355
	· · · · · · · · · ·	4.3	6.0	4.6	3.4	3.0	2.6	1.5	1.8	0.0	4.3
	Maori	3	52	19	8	8	2	1	1	0	94
		4.1	4.6	3.0	1.8	3.0	1.5	1.1	1.4	0.0	3.3
	Pacific Peoples	0	2	6	5	2	1	1	1	0	18
	*	0.0	1.9	4.9	6.9	4.3	3.8	6.7	14.3	-	4.5
	Other	0	6	7	8	3	3	0	0	0	27
		0.0	3.8	2.7	3.8	2.1	3.1	0.0	0.0	-	2.8
	Unknown	1	1	0	0	0	1	0	0	0	3
		50.0	5.6	0.0	0.0	0.0	16.7	0.0	0.0	0.0	3.0
	Total	<u>9</u>	<u>216</u>	<u>132</u>	<u>66</u>	<u>37</u>	<u>20</u>	<u>7</u>	<u>10</u>	<u>0</u>	<u>497</u>
		<u>4.3</u>	<u>5.4</u>	<u>4.1</u>	<u>3.2</u>	<u>2.9</u>	<u>2.6</u>	<u>1.4</u>	<u>1.7</u>	<u>0.0</u>	<u>3.9</u>

<sup>1</sup> For Chlamydia and Gonorrhoea, cases = no. confirmed cases + no. probable cases

<sup>2</sup> Rate = (total number of cases / total number of visits) x 100, expressed as a percentage

## Syphilis

#### Table 2.9: Syphilis - Disease rates by SHC

#### Quarter 1

<u>Total Cli</u>	nic Visi	<u>ts<sup>1</sup></u>	<u>2005</u>		<u>2006</u>	
2005	2006		<u>Total</u>		<u>Total</u>	
<u>2005</u>	<u>2006</u>	<u>Clinic</u>	<u>No.</u>	Rate <sup>2</sup>	<u>No.</u>	Rate <sup>2</sup>
351	390	Whangarei	0	0.0%	0	0.0%
0	104	Dargaville	0	0.0%	0	0.0%
62	77	Kaikohe	0	0.0%	0	0.0%
5219	5499	Auckland	0	0.0%	7	0.1%
5632	6070	North	0	0.0%	7	0.1%
2073	2174	Hamilton	3	0.1%	5	0.2%
2118	1945	Tauranga	0	0.0%	0	0.0%
321	334	Rotorua	0	0.0%	0	0.0%
248	294	Whakatane	0	0.0%	0	0.0%
218	216	Taupo	0	0.0%	0	0.0%
569	577	New Plymouth	0	0.0%	0	0.0%
711	796	Gisborne	0	0.0%	0	0.0%
6258	6336	Midland	3	0.0%	5	0.1%
327	331	Napier	0	0.0%	0	0.0%
83	156	Hastings	0	0.0%	0	0.0%
271	235	Wanganui	0	0.0%	0	0.0%
940	959	Palmerston North/Levin/Dannevirke	0	0.0%	2	0.2%
2272	2398	Wellington	0	0.0%	3	0.1%
222	268	Lower Hutt	0	0.0%	0	0.0%
154	166	Porirua	0	0.0%	1	0.6%
305	480	Nelson	0	0.0%	0	0.0%
128	137	Wairau (Blenheim)	0	0.0%	0	0.0%
4702	5130	Central	0	0.0%	6	0.1%
109	128	Greymouth	0	0.0%	0	0.0%
0	81	Westport/Buller	0	0.0%	0	0.0%
2168	2370	Christchurch	0	0.0%	0	0.0%
44	43	Ashburton	0	0.0%	0	0.0%
185	141	Timaru	0	0.0%	0	0.0%
733	816	Dunedin	0	0.0%	0	0.0%
539	530	Invercargill/Gore	0	0.0%	0	0.0%
3778	4109	South	0	0.0%	0	0.0%
20370	21645	Total	3	0.0%	18	0.1%

<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 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<sup>1</sup> and Rates<sup>2</sup> by Age, Sex and Ethnicity at SHCs

## Quarter 1 2006

						Age gro	up (years	)			
		<u>&lt;15</u>	<u>15-19</u>	<u>20-24</u>	<u>25-29</u>	<u>30-34</u>	<u>35-39</u>	<u>40-44</u>	>44	Unk	<u>Total</u>
	E (D.1.1	0	0			0	0	0	1	0	2
Males	European/Pakeha	0	0	1	1	0	0	0	1	0	3
	Maori	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.3	0.0	0.1
	IVIAOII	0.0	0.0	0.0	1.5	1.9	4.2	0.0	0.0	0.0	0.9
	Pacific Peoples	0.0	0.0	0.0	1.5	0	-4.2	0.0	0.0	0.0	1
	r aenne r copies	0.0	0.0	0.0	5.6	0.0	0.0	0.0	0.0	-	1.0
	Other	0.0	0.0	1	0	1	0.0	1	0.0	0	3
	o unor	0.0	0.0	0.5	0.0	0.9	0.0	1.3	0.0	0.0	0.4
	Total	<u>0</u>	<u>0</u>	<u>2</u>	<u>3</u>	<u>2</u>	1	<u>1</u>	1	<u>0</u>	<u>10</u>
		0.0	0.0	0.2	0.4	0.4	0.2	0.3	0.2	0.0	0.3
Females	European/Pakeha	0	0	1	0	0	0	0	0	0	1
remates	European/Fakena	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Maori	0.0	0.0	0.1	0.0	0.0	0.0	1	0.0	0.0	1
	WIGOIT	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	0.1
	Pacific Peoples	0.0	1	0.0	1	0.0	0.0	0	0.0	0.0	2
	i denne i copies	0.0	3.6	0.0	5.0	0.0	0.0	0.0	0.0	-	1.7
	Other	0	1	1	0	0	1	0	1	0	4
		0.0	0.6	0.4	0.0	0.0	1.0	0.0	1.9	-	0.4
	Total	<u>0</u>	<u>2</u>	<u>2</u>	<u>1</u>	<u>0</u>	1	<u>1</u>	<u>1</u>	<u>0</u>	<u>8</u>
		0.0	<u>0.1</u>	0.2	<u>0.1</u>	<u>0.0</u>	<u>0.3</u>	<u>0.5</u>	0.4	<u>0.0</u>	0.1

<sup>&</sup>lt;sup>2</sup> Rate = (total number of cases / total number of visits) x 100, expressed as a percentage

#### NSU (Males Only)

#### Table 2.11: NSU (Males Only) - Disease rates by SHC

#### Quarter 1

<u>Total Cli</u>	nic Visit	ts for males <sup>1</sup>	<u>2005</u>		<u>2006</u>	
2005	2006	Clinic	<u>Total</u>	D-4-2	<u>Total</u>	D - 4 - 2
<u>2005</u>	<u>2006</u>	Clinic	<u>No.</u>	Rate <sup>2</sup>	<u>No.</u>	Rate <sup>2</sup>
120	113	Whangarei	0	0.0%	0	0.0%
0	5	Dargaville	0	0.0%	0	0.0%
0	4	Kaikohe	0	0.0%	0	0.0%
2662	2762	Auckland	100	3.8%	109	3.9%
2782	2884	North	100	3.6%	109	3.8%
680	825	Hamilton	7	1.0%	17	2.1%
413	386	Tauranga	12	2.9%	11	2.8%
107	159	Rotorua	2	1.9%	3	1.9%
38	59	Whakatane	0	0.0%	6	10.2%
51	54	Taupo	0	0.0%	2	3.7%
273	249	New Plymouth	14	5.1%	12	4.8%
50	65	Gisborne	0	0.0%	0	0.0%
1612	1797	Midland	35	2.2%	51	2.8%
83	65	Napier	0	0.0%	0	0.0%
22	35	Hastings	0	0.0%	0	0.0%
83	81	Wanganui	2	2.4%	1	1.2%
396	400	Palmerston North/Levin/Dannevirke	22	5.6%	26	6.5%
1040	1166	Wellington	2	0.2%	0	0.0%
90	131	Lower Hutt	1	1.1%	0	0.0%
65	60	Porirua	0	0.0%	0	0.0%
164	242	Nelson	3	1.8%	9	3.7%
66	72	Wairau (Blenheim)	0	0.0%	0	0.0%
2009	2252	Central	30	1.5%	36	1.6%
29	56	Greymouth	0	0.0%	0	0.0%
0	28	Westport/Buller	0	0.0%	0	0.0%
1193	1337	Christchurch	12	1.0%	14	1.0%
23	15	Ashburton	0	0.0%	0	0.0%
67	75	Timaru	1	1.5%	0	0.0%
250	285	Dunedin	0	0.0%	1	0.4%
231	280	Invercargill/Gore	9	3.9%	8	2.9%
1793	2076	South	22	1.2%	23	1.1%
8196	9009	Total	187	2.3%	219	2.4%

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

<sup>2</sup> Rate = (total no. cases / total no. 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<sup>1</sup> and Rates<sup>2</sup> by Age, Sex and Ethnicity at SHCs

Quarter 1 2006

		Age group (years)												
		<u>&lt;15</u>	<u>15-19</u>	<u>20-24</u>	<u>25-29</u>	<u>30-34</u>	<u>35-39</u>	<u>40-44</u>	<u>&gt;44</u>	<u>Unk</u>	<u>Total</u>			
Males	European/Pakeha	0	18	47	18	19	21	9	28	0	160			
		0.0	3.2	2.8	1.4	2.0	3.1	1.8	3.0	0.0	2.4			
	Maori	0	2	7	6	8	4	1	3	0	31			
		0.0	0.8	2.2	2.8	4.7	4.6	2.1	6.1	0.0	2.7			
	Pacific Peoples	0	1	4	5	3	0	0	0	0	13			
		0.0	3.3	4.7	7.5	6.1	0.0	0.0	0.0	-	4.5			
	Other	0	1	6	4	2	1	1	0	0	15			
		0.0	2.2	3.2	2.1	1.8	0.8	1.3	0.0	0.0	1.8			
	Total	0	<u>22</u>	<u>64</u>	<u>33</u>	32	<u>26</u>	<u>11</u>	<u>31</u>	0	<u>219</u>			
		0.0	2.5	2.8	1.9	2.5	2.9	1.7	2.8	<u>0.0</u>	2.5			

# Family Planning Clinic (FPC) Data Chlamydia

## Table 3.1: Chlamydia - Cases<sup>1</sup> and Rates<sup>2</sup> by Age, Sex and Ethnicity at FPCs

#### Quarter 1 2006

		Age group (years)												
		<u>&lt;15</u>	<u>15-19</u>	<u>20-24</u>	25-29	<u>30-34</u>	<u>35-39</u>	<u>40-44</u>	<u>&gt;44</u>	<u>Unk</u>	<u>Total</u>			
Males	European/Pakeha	0	36	50	12	3	3	1	0	0	105			
		0.0	8.4	9.9	7.9	2.6	2.6	1.3	0.0	0.0	6.9			
	Maori	1	10	12	3	2	0	0	0	0	28			
		10.0	20.8	27.3	27.3	50.0	0.0	0.0	0.0	0.0	21.4			
	Pacific Peoples	0	5	7	2	0	0	0	0	0	14			
		0.0	17.9	30.4	18.2	0.0	0.0	0.0	0.0	0.0	16.9			
	Other	0	12	9	4	2	0	1	0	0	28			
		0.0	15.4	10.3	17.4	10.0	0.0	4.8	0.0	0.0	10.7			
	Unknown	0	5	4	2	1	1	0	0	0	13			
		0.0	13.2	11.8	11.8	10.0	16.7	0.0	0.0	0.0	10.9			
	Total	<u>1</u>	<u>68</u>	<u>82</u>	<u>23</u>	<u>8</u>	<u>4</u>	<u>2</u>	<u>0</u>	0	<u>188</u>			
		<u>1.6</u>	<u>11.0</u>	<u>11.8</u>	<u>10.7</u>	<u>5.3</u>	<u>2.8</u>	<u>1.9</u>	<u>0.0</u>	<u>0.0</u>	<u>8.9</u>			
Females	European/Pakeha	6	189	154	32	10	4	3	1	0	399			
	-	1.3	1.8	1.7	0.9	0.4	0.2	0.3	0.1	0.0	1.3			
	Maori	5	65	39	5	0	1	0	0	0	115			
		3.4	4.2	4.2	1.4	0.0	0.8	0.0	0.0	0.0	3.4			
	Pacific Peoples	0	15	12	7	3	0	1	0	0	38			
		0.0	3.1	2.5	3.6	2.5	0.0	2.7	0.0	0.0	2.6			
	Other	1	46	39	5	7	5	0	0	0	103			
		0.9	2.5	2.3	0.7	1.2	1.3	0.0	0.0	0.0	1.8			
	Unknown	0	6	6	1	0	0	1	0	1	15			
		0.0	1.1	1.2	0.4	0.0	0.0	0.9	0.0	3.8	0.8			
	Total	<u>12</u> <u>1.5</u>	<u>321</u>	<u>250</u>	<u>50</u>	<u>20</u>	<u>10</u>	<u>5</u>	<u>1</u>	<u>1</u>	<u>670</u>			
		<u>1.5</u>	<u>2.2</u>	<u>2.0</u>	<u>1.0</u>	<u>0.6</u>	<u>0.4</u>	<u>0.3</u>	<u>0.1</u>	<u>1.8</u>	<u>1.6</u>			

<sup>1</sup> For Chlamydia and Gonorrhoea, cases = no. confirmed cases + no. probable cases

<sup>2</sup> Rate = (total number of cases / total number of visits) x 100, expressed as a percentage

#### Gonorrhoea

## Table 3.2: Gonorrhoea - Cases<sup>1</sup> and Rates<sup>2</sup> by Age, Sex and Ethnicity at FPCs

Quarter 1 2006

		Age group (years)											
		<u>&lt;15</u>	<u>15-19</u>	<u>20-24</u>	<u>25-29</u>	<u>30-34</u>	<u>35-39</u>	<u>40-44</u>	>44	<u>Unk</u>	Total		
Males	European/Pakeha	0	2	1	0	0	1	0	0	0	4		
	*	0.0	0.7	0.3	0.0	0.0	1.3	0.0	0.0	0.0	0.4		
	Maori	1	1	1	0	0	0	0	0	0	3		
		10.0	2.1	2.3	0.0	0.0	0.0	0.0	0.0	0.0	2.3		
	Pacific Peoples	0	0	2	0	0	0	0	0	0	2		
		0.0	0.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0	4.4		
	Other	0	0	1	1	0	0	0	0	0	2		
		0.0	0.0	2.7	10.0	0.0	0.0	0.0	0.0	-	1.9		
	Total	$\frac{1}{2.6}$	<u>3</u>	<u>5</u>	<u>1</u>	<u>0</u>	<u>1</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>11</u>		
		2.6	<u>0.8</u>	<u>1.1</u>	<u>0.8</u>	<u>0.0</u>	<u>1.1</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.8</u>		
Females	European/Pakeha	0	16	3	0	1	1	0	0	0	21		
	-	0.0	0.2	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1		
	Maori	1	10	4	0	1	0	1	0	0	17		
		0.7	0.6	0.4	0.0	0.5	0.0	1.3	0.0	0.0	0.5		
	Pacific Peoples	0	3	2	1	0	0	0	0	0	6		
		0.0	1.0	0.6	0.8	0.0	0.0	0.0	0.0	0.0	0.7		
	Other	1	8	1	0	0	0	0	0	0	10		
		0.9	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.2		
	Unknown	0	1	0	0	0	0	0	0	0	1		
		0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2		
	Total	<u>2</u>	<u>38</u>	<u>10</u>	<u>1</u>	<u>2</u>	<u>1</u>	<u>1</u>	<u>0</u>	<u>0</u>	<u>55</u> <u>0.1</u>		
		0.3	0.3	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.1		

<sup>1</sup> For Chlamydia and Gonorrhoea, cases = no. confirmed cases + no. probable cases

<sup>2</sup> Rate = (total number of cases / total number of visits) x 100, expressed as a percentage

## **Genital Herpes (First presentation)**

## Table 3.3: Genital Herpes - Cases<sup>1</sup> and Rates<sup>2</sup> by Age, Sex and Ethnicity at FPCs

#### Quarter 1 2006

		Age group (years)											
		<u>&lt;15</u>	<u>15-19</u>	<u>20-24</u>	<u>25-29</u>	<u>30-34</u>	<u>35-39</u>	<u>40-44</u>	<u>&gt;44</u>	<u>Unk</u>	<u>Total</u>		
Males	European/Pakeha	0	1	3	0	1	0	0	0	0	5		
	1	0.0	0.2	0.6	0.0	0.9	0.0	0.0	0.0	0.0	0.3		
	Maori	0	0	1	0	0	0	0	0	0	1		
		0.0	0.0	7.1	0.0	0.0	0.0	0.0	0.0	0.0	1.6		
	Pacific Peoples	0	0	0	0	0	0	1	0	0	1		
		0.0	0.0	0.0	0.0	0.0	0.0	50.0	0.0	0.0	4.0		
	Total	<u>0</u>	1	4	<u>0</u>	1	<u>0</u>	1	<u>0</u>	<u>0</u>	<u>7</u>		
		<u>0.0</u>	<u>0.2</u>	<u>0.8</u>	<u>0.0</u>	<u>0.8</u>	<u>0.0</u>	<u>1.2</u>	<u>0.0</u>	<u>0.0</u>	<u>0.4</u>		
Females	European/Pakeha	0	5	5	4	0	0	1	3	0	18		
		0.0	0.0	0.1	0.1	0.0	0.0	0.1	0.2	0.0	0.1		
	Maori	0	0	1	0	0	0	0	0	0	1		
		0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	-	0.1		
	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	0.0	0.0		
	Unknown	0	1	0	0	0	0	0	0	1	2		
		0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	5.6	0.1		
	Total	<u>0</u> 0.0	<u>6</u> 0.1	<u>7</u> 0.1	<u>4</u> 0.1	<u>0</u> 0.0	<u>0</u> 0.0	<u>1</u> 0.1	<u>3</u> 0.2	<u>1</u> 2.7	<u>22</u> 0.1		
			<u> </u>	<u></u>	<u></u>	<u></u>	<u></u>	<u></u>			~ ~ ~		

<sup>&</sup>lt;sup>2</sup> Rate = (total number of cases / total number of visits) x 100, expressed as a percentage

## **Genital Warts (First presentation)**

## Table 3.4: Genital Warts - Cases<sup>1</sup> and Rates<sup>2</sup> by Age, Sex and Ethnicity at FPCs

		Age group (years) <15 15-19 20-24 25-29 30-34 35-39 40-44 >44 Unk Total												
		<u>&lt;15</u>	<u>15-19</u>	<u>20-24</u>	<u>25-29</u>	<u>30-34</u>	<u>35-39</u>	<u>40-44</u>	<u>&gt;44</u>	<u>Unk</u>	<u>Total</u>			
		0	2	10	(	0	2	0	1	0	22			
Males	European/Pakeha	0	2	12	6	0	2	0	1	0	23			
	Maari	0.0	0.5	2.4	3.9	0.0	1.7 0	0.0	1.3 0	0.0	1.5			
	Maori	10.0	7.9	2.9	1 12.5	0.0	0.0	0.0	0.0	0.0	6			
	Oth an	10.0		2.9	0	0.0	0.0	0.0	0.0		5.7			
	Other	0.0	0.0	6.7	0.0	0.0	0.0	0.0	0.0	0	2 2.4			
	T-4-1									-				
	Total	$\frac{1}{24}$	<u>5</u>	<u>15</u>	<u>7</u>	0	<u>2</u>	0	11	0	<u>31</u> <u>1.8</u>			
		2.4	<u>1.0</u>	<u>2.6</u>	<u>4.3</u>	<u>0.0</u>	<u>1.6</u>	<u>0.0</u>	<u>1.1</u>	<u>0.0</u>	1.0			
Females	European/Pakeha	1	41	23	4	2	1	1	1	0	74			
1 01111105	Duropean/Faitena	0.2	0.4	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.2			
	Maori	0	3	1	2	0	0	0	0	0	6			
		0.0	0.2	0.1	0.5	0.0	0.0	0.0	0.0	0.0	0.2			
	Pacific Peoples	0	0	1	1	0	0	1	0	0	3			
		0.0	0.0	0.2	0.5	0.0	0.0	2.7	0.0	0.0	0.2			
	Other	0	7	4	0	0	0	0	0	0	11			
	other	0.0	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2			
	Unknown	0	2	1	1	0	0	0	0	0	4			
	2	0.0	0.4	0.2	0.4	0.0	0.0	0.0	0.0	0.0	0.2			
	Total	<u>1</u>	53	30	<u>8</u>	<u>2</u>	1	<u>2</u>	<u>1</u>	0				
		0.1	0.4	0.2	0.2	0.1	0.0	0.1	0.1	0.0	<u>98</u> 0.2			

Quarter 1 2006

<sup>&</sup>lt;sup>2</sup> Rate = (total number of cases / total number of visits) x 100, expressed as a percentage

# Student & Youth Health Clinic (SYHC) Data

#### Chlamydia

#### Table 4.1: Chlamydia - Cases<sup>1</sup> and Rates<sup>2</sup> by Age, Sex and Ethnicity at SYHCs

#### Quarter 1 2006

		Age group (years)												
		<u>&lt;15</u>	<u>15-19</u>	<u>20-24</u>	25-29	<u>30-34</u>	<u>35-39</u>	<u>40-44</u>	<u>&gt;44</u>	<u>Unk</u>	<u>Total</u>			
Males	European/Pakeha	0	7	10	2	0	0	0	1	0	20			
		0.0	1.0	0.6	0.4	0.0	0.0	0.0	0.4	-	0.6			
	Maori	0	1	2	1	0	0	0	0	0	4			
		0.0	3.8	2.5	4.0	0.0	0.0	0.0	0.0	-	1.7			
	Pacific Peoples	0	1	0	0	0	0	0	0	0	1			
		0.0	7.1	0.0	0.0	0.0	0.0	0.0	0.0	-	1.2			
	Other	0	0	2	0	0	0	0	0	0	2			
		0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	-	0.7			
	Unknown	0	0	1	0	0	0	0	0	0	1			
		0.0	0.0	9.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
	Total	<u>0</u>	<u>9</u>	<u>15</u>	3	0	0	<u>0</u>	1	<u>0</u>	<u>28</u> 0.4			
		<u>0.0</u>	<u>1.2</u>	<u>0.8</u>	<u>0.5</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.3</u>	<u>0.0</u>	<u>0.4</u>			
Females	European/Pakeha	1	29	27	3	0	0	3	0	0	63			
	-	1.9	0.9	0.5	0.3	0.0	0.0	1.2	0.0	0.0	0.6			
	Maori	0	12	8	1	1	0	0	0	0	22			
		0.0	2.9	1.3	0.4	0.8	0.0	0.0	0.0	-	1.3			
	Pacific Peoples	0	0	6	1	0	0	0	0	0	7			
		0.0	0.0	4.7	2.7	0.0	0.0	0.0	0.0	-	2.2			
	Other	0	0	7	2	0	0	0	0	0	9			
		0.0	0.0	0.5	0.3	0.0	0.0	0.0	0.0	-	0.3			
	Unknown	0	3	1	0	0	0	0	0	0	4			
		0.0	8.6	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
	Total	<u>1</u>	<u>44</u>	<u>49</u>	<u>7</u>	1	<u>0</u>	3	<u>0</u>	0	<u>105</u>			
		<u>1.2</u>	<u>1.1</u>	<u>0.7</u>	<u>0.4</u>	<u>0.1</u>	<u>0.0</u>	<u>0.7</u>	<u>0.0</u>	<u>0.0</u>	<u>0.4</u>			

<sup>&</sup>lt;sup>2</sup> Rate = (total number of cases / total number of visits) x 100, expressed as a percentage

#### Gonorrhoea

#### Gonorrhoea - Cases<sup>1</sup> and Rates<sup>2</sup> by Age, Sex and Ethnicity at SYHCs Table 4.2:

Quarter 1 2006

		Age group (years)											
		<u>&lt;15</u>	<u>15-19</u>	<u>20-24</u>	<u>25-29</u>	<u>30-34</u>	<u>35-39</u>	<u>40-44</u>	<u>&gt;44</u>	Unk	Total		
Males	European/Pakeha	0	0	2	1	0	0	0	0	0	3		
	1	0.0	0.0	0.2	0.3	0.0	0.0	0.0	0.0	-	0.1		
	Pacific Peoples	0	1	1	0	0	0	0	0	0	2		
	-	0.0	7.1	5.0	0.0	0.0	0.0	0.0	0.0	-	2.4		
	Total	<u>0</u>	<u>1</u>	<u>3</u>	<u>1</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>5</u>		
		<u>0.0</u>	<u>0.2</u>	<u>0.2</u>	<u>0.3</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.2</u>		
Females	European/Pakeha	0	1	2	0	0	0	0	0	0	3		
		0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1		
	Maori	0	1	2	0	0	0	0	0	0	3		
		0.0	0.3	0.4	0.0	0.0	0.0	0.0	0.0	-	0.2		
	Other	0	0	0	1	0	0	0	0	0	1		
		0.0	0.0	0.0	0.3	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	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
	Total	<u>0</u>	2	<u>5</u>	<u>1</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>8</u>		
		<u>0.0</u>	<u>0.1</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> For Chlamydia and Gonorrhoea, cases = no. confirmed cases + no. probable cases <sup>2</sup> Rate = (total number of cases / total number of visits) x 100, expressed as a percentage

## **Genital Herpes (First presentation)**

## Table 4.3: Genital Herpes - Cases<sup>1</sup> and Rates<sup>2</sup> by Age, Sex and Ethnicity at SYHCs

						Age gro	up (years	)			
		<u>&lt;15</u>	<u>15-19</u>	<u>20-24</u>	25-29	<u>30-34</u>	35-39	<u>40-44</u>	>44	Unk	<u>Total</u>
Males	European/Pakeha	0	1	1	0	0	0	0	0	0	2
	-	0.0	0.1	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	9.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Total	<u>0</u>	<u>1</u>	<u>2</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>3</u>
		0.0	<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>0.0</u>	<u>0.1</u>
Females	European/Pakeha	0	0	2	1	0	0	1	0	0	4
		0.0	0.0	0.1	0.1	0.0	0.0	0.5	0.0	0.0	0.1
	Maori	0	0	1	0	0	0	0	0	0	1
		0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	-	0.1
	Total	<u>0</u>	<u>0</u>	<u>3</u>	<u>1</u>	<u>0</u>	<u>0</u>	<u>1</u>	<u>0</u>	<u>0</u>	<u>5</u>
		0.0	<u>0.0</u>	<u>0.1</u>	<u>0.1</u>	<u>0.0</u>	<u>0.0</u>	<u>0.4</u>	<u>0.0</u>	<u>0.0</u>	<u>0.1</u>

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<sup>1</sup> For Chlamydia and Gonorrhoea, cases = no. confirmed cases + no. probable cases

<sup>2</sup> Rate = (total number of cases / total number of visits) x 100, expressed as a percentage

## **Genital Warts (first presentation)**

## Table 4.4: Genital Warts – Cases<sup>1</sup> and Rates<sup>2</sup> by Age, Sex and Ethnicity at SYHCs

						Age gro	up (years	)			
		<u>&lt;15</u>	<u>15-19</u>	<u>20-24</u>	<u>25-29</u>	<u>30-34</u>	<u>35-39</u>	<u>40-44</u>	<u>&gt;44</u>	<u>Unk</u>	<u>Total</u>
Males	European/Pakeha	0	1	6	2	0	0	0	0	0	9
Males	European/Pakena	0.0	0.1	0.4	0.4	0.0	0.0	0.0	0.0	-	0.3
	Other	0.0	0.1	1	0.4	0.0	0.0	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
		0.0	0.0	16.7	0.0	0.0	0.0	0.0	0.0	0.0	0.1
	Total	<u>0</u>	1	<u>8</u>	<u>2</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>11</u> <u>0.2</u>
		<u>0.0</u>	<u>0.1</u>	<u>0.4</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>0.2</u>
Females	European/Pakeha	0	4	5	2	0	0	0	0	0	11
remates	European/Fakena	0.0	0.1	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.1
	Other	0.0	0.1	1	0	0.0	0.0	0.0	0.0	0.0	1
		0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	-	0.1
	Unknown	0	1	2	0	0	0	0	0	0	3
		0.0	3.6	7.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1
	Total	<u>0</u>	<u>5</u>	<u>8</u>	<u>2</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>15</u>
		<u>0.0</u>	<u>0.1</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>

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<sup>&</sup>lt;sup>2</sup> Rate = (total number of cases / total number of visits) x 100, expressed as a percentage

## Appendix: STI Surveillance Case Definitions

Chlamydia	Confirmed       Laboratory detection of Chlamydia trachomatis in a clinical specimen. Cases should be classified as: <ol> <li>uncomplicated infection of the lower anogenital* tract * Includes urogenital and anorectal infection.</li> <li>PID (pelvic inflammatory disease) or epididymitis</li> <li>infection of another site (eg, eye or pharynx)</li> </ol>
	<ul> <li>Probable Cases must be <u>all</u> of the following:</li> <li>symptomatic, and</li> <li>a contact of a confirmed case, and</li> <li>non-laboratory confirmed (test negative or test not done).</li> </ul>
Gonorrhoea	Confirmed       Laboratory isolation of Neisseria gonorrhoeae from a clinical specimen. Cases should be classified as: <ol> <li>uncomplicated infection of one or both of the following:</li></ol>
	<ul> <li>Probable Cases must be <u>all</u> of the following:</li> <li>symptomatic, and</li> <li>a contact of a confirmed case, and</li> <li>non-laboratory confirmed (test negative or test not done).</li> </ul>
Anogenital Herpes	<ul> <li>First diagnosis for the person at your clinic, with either</li> <li>1. laboratory detection of herpes simplex virus (HSV) from a clinical specimen, or</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> </ul>
Anogenital Warts	<ul> <li>First diagnosis for the person at your clinic, with <u>visible</u>* typical lesion(s) on internal or external genitalia, perineum, or perianal region.</li> <li>* Do not include persons for whom there is <u>only</u> demonstration of human papillomavirus (HPV) on cervical cytology or other laboratory method.</li> </ul>
Syphilis	Infectious syphilis (primary, secondary, and early latent) as diagnosed or confirmed by a venereologist, and early congenital syphilis as diagnosed or confirmed by a paediatrician or venereologist.
Non-Specific Urethritis (NSU) (males only)	Urethral discharge in a sexually active male with laboratory exclusion of gonorrhoea and chlamydia, who does not meet the definition of a probable case of gonorrhoea or chlamydia.
Chancroid	ConfirmedIsolation of Haemophilus ducreyi from a clinical specimen.ProbableTypical 'shoal of fish' pattern on gram stain of a clinical specimen, where syphilis, granuloma inguinale (GI) and anogenital herpes have been excluded, or A clinically compatible illness in a patient who is a contact of a confirmed case.
Granuloma inguinale (GI)	ConfirmedDemonstration of intracytoplasmic Donovan bodies on Wright or Giemsa stained smears or biopsies of clinical specimens.ProbableA clinically compatible illness in a patient who is a contact of a confirmed case.
Lymphogranulom a venereum (LGV)	Confirmed       Laboratory detection of Chlamydia trachomatis serotype L <sub>1</sub> , L <sub>2</sub> or L <sub>3</sub> from a clinical specimen.         Probable       A clinically compatible illness with complement fixation titre of > 64 and other causes of ulcerations excluded,         or       A clinically compatible illness in a person who is a contact of a confirmed case.
	A comparise miless in a person who is a contact of a committed case.