Clinic Surveillance of Sexually Transmitted Infections in New Zealand

January to March 2007

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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 16 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.

All results and analyses are based on data submitted prior to the 5^{th} June 2007. 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, 26 clinics provided STI data by the date required for all three months in the first quarter (January to March) 2007.

FPCs

Thirty-six FPCs participate in STI surveillance. Of these, 34 clinics provided data for the first quarter (January to March) 2007. 5/34 (14.7%) 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

Sixteen SYHCs participate in STI surveillance. All 16 clinics provided STI data for the first quarter (January to March) 2007. 1/16 (6.3%) of SYHCs were not able to provide data by the date required for all three months in this 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 22 253 visits. A total of 1 153 cases of chlamydia, 229 cases of gonorrhoea, 179 cases of genital herpes, 1 001 cases of genital warts, 22 cases of syphilis and 206 cases of NSU in males were reported. STI rates and comparisons with the equivalent quarter in 2006 are shown in Table 1.

Family Planning Clinics (FPCs)

During the current quarter, FPCs reported 46 567 visits. A total of 892 cases of chlamydia, 58 cases of gonorrhoea, 39 cases of genital herpes, 157 cases of genital warts, one case of syphilis and four cases of NSU in males were reported. STI rates and comparisons with the equivalent quarter in 2006 are shown in Table 1.

Student & Youth Health Clinics (SYHCs)

During the current quarter, SYHCs reported 48 173 visits. A total of 224 cases of chlamydia, 21 cases of gonorrhoea, 25 cases of genital herpes, 38 cases of genital warts and 4 cases of NSU in males were reported. There were no cases of syphilis reported in this quarter. STI rates and comparisons with the equivalent quarter in 2006 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 January to March 2007, compared to the equivalent quarter of 2006.

Clinical		January t		January 1		Clinic Visit Rate ¹
setting	STI	Number of Cases	Clinic Visit Rate ¹ (%)	Number of Cases	Clinic Visit Rate ¹ (%)	change ² between quarters
SHCs	Chlamydia	1 225	5.7%	1 153	5.2%	▼
	Gonorrhoea	222	1.0%	229	1.0%	_
	Genital herpes	191	0.9%	179	0.8%	▼
	Genital warts	964	4.5%	1 001	4.5%	_
	Syphilis	18	0.1%	22	0.1%	_
	NSU (Males Only)	219	2.4%	206	2.2%	▼
FPCs	Chlamydia	703	1.6%	892	1.9%	A
	Gonorrhoea	52	0.1%	58	0.1%	_
	Genital herpes	29	0.1%	39	0.1%	_
	Genital warts	129	0.3%	157	0.3%	_
	Syphilis	1	0.0%	1	0.0%	_
	NSU (Males Only)	4	0.2%	4	0.2%	_
SYHCs	Chlamydia	130	0.3%	224	0.5%	A
	Gonorrhoea	13	0.0%	21	0.0%	_
	Genital herpes	8	0.0%	25	0.1%	A
	Genital warts	26	0.1%	38	0.1%	_
	Syphilis	0	0.0%	0	0.0%	_
	NSU (Males Only)	0	0.0%	4	0.0%	_

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

² —, 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

Rate	Clinic Type, by area	<u>To</u>	otal Clinic Visits¹	<u>Chlamydia</u>	Gonorrhoea	Genital Herpes ²	Genital Warts ²	Syphilis ⁴
Rate	North							
Family Planning Clinics No. 20,086 406 22 10 68 Rate 2.0% 0.1% 0.0% 0.3% 0.0% 0	Sexual Health Clinics	No.	7,401	276	76	53	332	18
Rate		Rate ³		3.7%	1.0%	0.7%	4.5%	0.2%
Student & Youth Health No. 7,858 17 3 1 3 3 3 3 3 3 3 3	Family Planning Clinics		20,086					1
Subtotal North Rate² 0.2% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 1.3 1 1 4 4 0.0% 0		Rate ³		2.0%		0.0%	0.3%	0.0%
Subtotal North 35,345 699 101 64 403 1 Midland Sexual Health Clinics No. 5,903 474 75 46 260 Family Planning Clinics No. 5,903 474 75 46 260 Family Planning Clinics No. 5,433 131 3 0 10 Student & Youth Health No. 5,433 131 3 0 10 Student & Youth Health No. 9,785 26 1 4 1 Subtotal Midland 21,121 631 79 50 271 Central Rate ³ 4.873 198 40 31 199 Sexual Health Clinics No. 4,873 198 40 31 199 Family Planning Clinics No. 4,873 198 40 31 199 Student & Youth Health No. 14,412 104 11 7 8 Subtotal Central 28,	Student & Youth Health		7,858	· ·				0
Midland Sexual Health Clinics No. 5,903 474 75 46 260 Family Planning Clinics No. 5,433 131 3 0 10 Student & Youth Health No. 9,785 26 1 4 1 Subtotal Midland 21,121 631 79 50 271 Central Sexual Health Clinics No. 4,873 198 40 31 199 Family Planning Clinics No. 9,472 178 9 18 26 Family Planning Clinics No. 9,472 178 9 18 26 Student & Youth Health No. 14,412 104 11 7 8 Student & Youth Health No. 14,412 104 11 7 8 Subtotal Central 28,757 480 60 56 233 Sexual Health Clinics No. 4,076 205 38 49 210		Rate ³						0.0%
Sexual Health Clinics No. 5,903 474 75 46 260 Family Planning Clinics No. 5,433 131 3 0 10 Student & Youth Health No. 5,433 131 3 0 0.0% 0.2% 0.0% Student & Youth Health No. 9,785 26 1 4 1 1 4 1 1 4 1 1 4 1 1 4 1 1 4 1 1 4 1 1 4 1 1 4 1 1 4 1 1 4 1 1 4 1 1 4 1 1 4 1 1 4 1 1 4 1 1 4 1 1 4 1 1 2 2 7 1 8 4 0 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0%	Subtotal North		35,345	699	101	64	403	19
Family Planning Clinics	Midland							
Family Planning Clinics No. 5,433 131 3 0 10 Student & Youth Health No. 9,785 26 1 4 1 Rate³ 0.3% 0.0% 0.0% 0.0% 0.0% Subtotal Midland 21,121 631 79 50 271 Central Sexual Health Clinics No. 4,873 198 40 31 199 Family Planning Clinics No. 4,873 198 40 31 199 Family Planning Clinics No. 9,472 178 9 18 26 Rate³ 1,9% 0,1% 0,2% 0,3% 0,0% Student & Youth Health No. 14,412 104 11 7 8 South Rate³ 0,7% 0,1% 0,0% 0,1% 0,0% Sexual Health Clinics No. 4,076 205 38 49 210 Family Planning Clinics No. 11,576	Sexual Health Clinics	No.	5,903	474	75	46	260	0
Student & Youth Health No. 9,785 26		Rate ³		8.0%	1.3%	0.8%	4.4%	0.0%
Student & Youth Health No. P,785 26 1 4 1 Subtotal Midland 21,121 631 79 50 271 Central Sexual Health Clinics No. 4,873 198 40 31 199 Rate3 4.1% 0.8% 0.6% 4.1% 0.0% Family Planning Clinics No. 9,472 178 9 18 26 Rate3 1.9% 0.1% 0.2% 0.3% 0.0% Student & Youth Health No. 14,412 104 11 7 8 Rate3 0.7% 0.1% 0.0% 0.1% 0.0% Subtotal Central 28,757 480 60 56 233 South Sexual Health Clinics No. 4,076 205 38 49 210 200 Family Planning Clinics No. 11,576 177 24 11 53 22% 0.0% Student & Youth Health No. 16,118 77 6 13 26 26	Family Planning Clinics		5,433	131		0		0
Subtotal Midland Rate³ 0.3% 0.0% 271 0.0% 0.0% 0.0% 271 0.0%								0.0%
Subtotal Midland 21,121 631 79 50 271 Central Sexual Health Clinics No. 4,873 198 40 31 199 Family Planning Clinics No. 9,472 178 9 18 26 Family Planning Clinics Rate³ 1,99% 0.1% 0.2% 0.3% 0.09 Student & Youth Health No. 14,412 104 11 7 8 Rate³ 0.7% 0.1% 0.0% 0.1% 0.0% Subtotal Central 28,757 480 60 56 233 South Sexual Health Clinics No. 4,076 205 38 49 210 Family Planning Clinics No. 11,576 177 24 11 53 Rate³ 1.5% 0.2% 0.1% 0.5% 0.0% Student & Youth Health No. 16,118 77 6 13 26 Rate³ 0.5% 0.0% 0.1% 0.2% 0.0% Subtotal South	Student & Youth Health		9,785	-	*			0
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Sexual Health Clinics No. 4,873 198 40 31 199 Rate³ 4.1% 0.8% 0.6% 4.1% 0.0% Family Planning Clinics No. 9,472 178 9 18 26 Rate³ 1.9% 0.1% 0.2% 0.3% 0.0% Student & Youth Health No. 14,412 104 11 7 8 Rate³ 0.7% 0.1% 0.0% 0.1% 0.0% Subtotal Central 28,757 480 60 56 233 South Sexual Health Clinics No. 4,076 205 38 49 210 Rate³ 5.0% 0.9% 1.2% 5.2% 0.0% Family Planning Clinics No. 11,576 177 24 11 53 Student & Youth Health No. 16,118 77 6 13 26 Rate³ 0.5% 0.0% 0.1% 0.2% 0.0% Subtotal South 31,770	Subtotal Midland		21,121	631	79	50	271	0
Family Planning Clinics No. 9,472 178 9 18 26 Rate ³ 1.9% 0.1% 0.2% 0.3% 0.09	Central							
Family Planning Clinics No. 9,472 178 9 18 26 Rate³ 1,9% 0,1% 0,2% 0,3% 0,0% Student & Youth Health No. 14,412 104 11 7 8 Rate³ 0,7% 0,1% 0,0% 0,1% 0,0% Subtotal Central 28,757 480 60 56 233 South Sexual Health Clinics No. 4,076 205 38 49 210 Rate³ 5,0% 0,9% 1,2% 5,2% 0,0% Family Planning Clinics No. 11,576 177 24 11 53 Rate³ 1,5% 0,2% 0,1% 0,5% 0,0% Student & Youth Health No. 16,118 77 6 13 26 Rate³ 0,5% 0,0% 0,1% 0,2% 0,0% Subtotal South 31,770 459 68 73 289 All Sexual Health Clinics No. 22,253 1,153 229 179 1,001 Rate. 5,2% 1,0% 0,8% 4,5% 0,1 Family Planning Clinics No. 46,567 892 58 39 157 Rate. 1,9% 0,1% 0,1% 0,3% 0,0 Student & Youth Health No. 48,173 224 21 25 38 Rate. 0,5% 0,0% 0,1% 0,1% 0,3% 0,0 Rate. 0,5% 0,0% 0,1% 0,1% 0,3% 0,0 Student & Youth Health No. 48,173 224 21 25 38 Rate. 0,5% 0,0% 0,0% 0,1% 0,1% 0,1% 0,1% Rate. 0,5% 0,0% 0,0% 0,1% 0,1% 0,1% 0,0% Total No. 116,993 2,269 308 243 1,196	Sexual Health Clinics	No.	4,873	198	40	31	199	2
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Student & Youth Health No. 14,412 104 11 7 8 10.0% 11 7 8 10.0% 11 1 1 1 1 1 1 1 1 1	Family Planning Clinics	No.	9,472	178	9	18	26	0
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Rate. 1.9% 0.1% 0.1% 0.3% 0.0 Student & Youth Health No. 48,173 224 21 25 38 Rate. 0.5% 0.0% 0.1% 0.1% 0.0 Total No. 116,993 2,269 308 243 1,196 2	Family Planning Clinics		46,567					1
Rate. 0.5% 0.0% 0.1% 0.1% 0.0 Total No. 116,993 2,269 308 243 1,196	, ,					0.1%		0.0%
Total No. 116,993 2,269 308 243 1,196	Student & Youth Health	No.	48,173	224	21	25	38	0
		Rate.		0.5%	0.0%	0.1%	0.1%	0.0%
Rate. 1.9% 0.3% 0.2% 1.0% 0.0	Total		116,993					23
		Rate.		1.9%	0.3%	0.2%	1.0%	0.0%

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

² First presentation at that clinic.

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

⁴ Infectious syphilis (primary, secondary and early latent)

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

		Confirmed		
	Uncomplicated, lower anogenital	PID/epididymitis	Other site	Total ³
	No.¹ %²	No.1 %²	No.1 %²	No.¹
Sexual Health Clinics	1127 97.7%	20 1.7%	6 0.5%	1153
Family Planning Clinics	866 96.9%	26 2.9%	2 0.2%	894
Student & Youth Health Clinics	222 98.7%	3 1.3%	0 0.0%	225
Total	2215 97.5%	49 2.2%	8 0.4%	2272

Table 1.3: Summary - Gonorrhoea Site of Infection

			Confirmed		
		plicated ection	PID/	E xtra-genital infection	Total ³
	Urogenital	Anorectal	epididymitis	Phanynx Other site]
	No.1 %2	No.1 %²	No.1 %²	No.1 %2 No.1 %2	No.1
Sexual Health Clinics	213 93D%	7 3.1%	2 0.9%	5 2.2% 2 0.9%	229
Family Planning Clinics	55 932%	1 1.7%	3 5.1%	0 0.0% 0 0.0%	59
Student & Youth Health Clinics	18 81.8%	1 45%	1 45%	1 4.5% 1 4.5%	22
Total	286 92.3%	9 2.9%	6 1.9%	6 1.9% 3 1.0%	310

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

Sexual Health Clinic (SHC) Data

Chlamydia

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

Quarter 1

<u>Total Cli</u>	Total Clinic Visits ¹		<u>20</u> Total	<u>06</u>	<u>2007</u> Total		
2006	2007	Clinic	No.	Rate ²	<u>No.</u>	Rate ²	
390	540	Whangarei	19	4.9%	33	6.1%	
104	152	Dargaville	3	2.9%	3	2.0%	
77	88	Kaikohe	8	10.4%	8	9.1%	
5499	6621	Auckland	229	4.2%	232	3.5%	
6070	7401	North	259	4.3%	276	3.7%	
2174	2149	Hamilton	203	9.3%	168	7.8%	
1945	1639	Tauranga	131	6.7%	117	7.1%	
334	333	Rotorua	25	7.5%	23	6.9%	
294	249	Whakatane	39	13.3%	25	10.0%	
216	212	Taupo	19	8.8%	13	6.1%	
577	562	New Plymouth	73	12.7%	86	15.3%	
796	759	Gisborne	46	5.8%	42	5.5%	
6336	5903	Midland	536	8.5%	474	8.0%	
331	331	Napier	41	12.4%	33	10.0%	
156	226	Hastings	20	12.8%	30	13.3%	
235	258	Wanganui	9	3.8%	14	5.4%	
959	949	Palmerston North/Levin/Dannevirke	70	7.3%	55	5.8%	
2398	2137	Wellington	56	2.3%	42	2.0%	
268	194	Lower Hutt	8	3.0%	5	2.6%	
166	121	Porirua	5	3.0%	4	3.3%	
480	487	Nelson	21	4.4%	10	2.1%	
137	170	Wairau (Blenheim)	7	5.1%	5	2.9%	
5130	4873	Central	237	4.6%	198	4.1%	
128	122	Greymouth	1	0.8%	4	3.3%	
81	113	Westport/Buller	3	3.7%	4	3.5%	
2370	2257	Christchurch	86	3.6%	83	3.7%	
43	0	Ashburton	1	2.3%	0	0.0%	
141	204	Timaru	11	7.8%	25	12.3%	
816	818	Dunedin	40	4.9%	38	4.6%	
530	562	Invercargill/Gore	51	9.6%	51	9.1%	
4109	4076	South	193	4.7%	205	5.0%	
21645	22253	Total	1225	5.7%	1153	5.2%	

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

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

Table 2.2: Chlamydia - Cases and Clinic Visit Rates¹ by Age, Sex and Ethnicity at SHCs

		Age group (years)									
		<u><15</u>	<u>15-19</u>	<u>20-24</u>	<u>25-29</u>	<u>30-34</u>	35-39	<u>40-44</u>	<u>>44</u>	<u>Unk</u>	<u>Total</u>
Males	European/Pakeha	0	61	111	59	31	16	13	14	0	305
		0.0	9.6	6.8	4.9	3.0	2.1	2.9	1.6	0.0	4.6
	Maori	0	52	43	22	11	9	2	1	0	140
		0.0	17.8	13.0	9.0	6.7	7.1	3.3	1.4	-	10.7
	Pacific Peoples	0	7	16	8	4	3	0	0	0	38
		0.0	14.3	13.3	7.9	6.9	7.5	0.0	0.0	-	8.9
	Other	0	3	13	6	5	3	2	1	0	33
		0.0	5.3	7.7	2.9	3.1	2.6	2.0	0.7	-	3.5
	Unknown	0	2	1	2	1	1	1	0	0	8
		0.0	14.3	3.2	5.4	6.3	4.5	3.4	0.0	-	4.7
	Total	<u>0</u>	<u>125</u>	<u>184</u>	<u>97</u>	<u>52</u>	<u>32</u>	<u>18</u>	<u>16</u>	<u>0</u>	<u>524</u> <u>5.6</u>
		0.0	<u>11.9</u>	<u>8.1</u>	<u>5.4</u>	<u>3.7</u>	<u>3.0</u>	<u>2.7</u>	<u>1.4</u>	<u>0.0</u>	<u>5.6</u>
Females	European/Pakeha	3	169	83	37	11	6	2	3	0	314
		4.5	6.7	4.1	3.1	1.4	1.2	0.6	0.7	0.0	4.0
	Maori	15	139	48	24	8	1	1	0	0	236
		15.8	12.7	6.5	5.3	2.8	0.6	1.1	0.0	0.0	7.9
	Pacific Peoples	0	10	8	9	4	1	0	0	0	32
		0.0	6.6	5.1	9.3	6.8	2.9	0.0	0.0	-	5.8
	Other	0	11	12	9	4	1	2	2	0	41
		0.0	6.3	4.0	3.6	2.0	1.0	3.1	1.9	-	3.4
	Unknown	0	5	0	0	1	0	0	0	0	6
		0.0	15.6	0.0	0.0	12.5	0.0	0.0	0.0	-	5.1
	Total	<u>18</u>	<u>334</u>	<u>151</u>	<u>79</u>	<u>28</u>	<u>9</u>	<u>5</u>	<u>5</u>	<u>0</u>	<u>629</u>
		10.2	8.4	4.7	4.0	2.1	1.1	1.0	0.8	0.0	5.0

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

Gonorrhoea

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

Quarter 1

Total Cli	Total Clinic Visits¹		<u>20</u> 0	<u>06</u>	<u>2007</u>		
			<u>Total</u>	•	<u>Total</u>		
<u>2006</u>	<u>2007</u>	<u>Clinic</u>	<u>No.</u>	Rate ²	<u>No.</u>	Rate ²	
390	540	Whangarei	2	0.5%	2	0.4%	
104	152	Dargaville	0	0.0%	0	0.0%	
77	88	Kaikohe	0	0.0%	0	0.0%	
5499	6621	Auckland	65	1.2%	74	1.1%	
6070	7401	North	67	1.1%	76	1.0%	
2174	2149	Hamilton	30	1.4%	31	1.4%	
1945	1639	Tauranga	18	0.9%	20	1.2%	
334	333	Rotorua	4	1.2%	6	1.8%	
294	249	Whakatane	9	3.1%	1	0.4%	
216	212	Taupo	3	1.4%	0	0.0%	
577	562	New Plymouth	1	0.2%	8	1.4%	
796	759	Gisborne	9	1.1%	9	1.2%	
6336	5903	Midland	74	1.2%	75	1.3%	
331	331	Napier	15	4.5%	9	2.7%	
156	226	Hastings	5	3.2%	9	4.0%	
235	258	Wanganui	2	0.9%	2	0.8%	
959	949	Palmerston North/Levin/Dannevirke	8	0.8%	4	0.4%	
2398	2137	Wellington	8	0.3%	9	0.4%	
268	194	Lower Hutt	2	0.7%	4	2.1%	
166	121	Porirua	2	1.2%	0	0.0%	
480	487	Nelson	4	0.8%	3	0.6%	
137	170	Wairau (Blenheim)	0	0.0%	0	0.0%	
5130	4873	Central	46	0.9%	40	0.8%	
128	122	Greymouth	0	0.0%	0	0.0%	
81	113	Westport/Buller	0	0.0%	0	0.0%	
2370	2257	Christchurch	17	0.7%	20	0.9%	
43	0	Ashburton	0	0.0%	0	0.0%	
141	204	Timaru	0	0.0%	6	2.9%	
816	818	Dunedin	2	0.2%	5	0.6%	
530	562	Invercargill/Gore	16	3.0%	7	1.2%	
4109	4076	South	35	0.9%	38	0.9%	
21645	22253	Total	222	1.0%	229	1.0%	

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

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

Table 2.4: Gonorrhoea - Cases and Clinic Visit Rates¹ by Age, Sex and Ethnicity at SHCs

						Age grou	ıp (years))			
		< <u>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>>44</u>	<u>Unk</u>	Total
Males	European/Pakeha	0	11	19	5	7	2	3	10	0	57
		0.0	1.7	1.2	0.4	0.7	0.3	0.7	1.2	0.0	0.9
	Maori	0	14	8	9	11	5	1	2	0	50
		0.0	4.8	2.4	3.7	6.7	3.9	1.6	2.8	-	3.8
	Pacific Peoples	0	4	3	4	2	0	0	0	0	13
		0.0	8.2	2.5	4.0	3.4	0.0	0.0	0.0	-	3.0
	Other	0	1	0	2	4	0	0	1	0	8
		0.0	1.8	0.0	1.0	2.5	0.0	0.0	0.7	-	0.8
	Unknown	0	0	1	0	1	0	0	0	0	2
		0.0	0.0	3.7	0.0	6.7	0.0	0.0	0.0	0.0	1.2
	Total	<u>0</u>	<u>30</u>	<u>31</u>	<u>20</u>	<u>25</u>	<u>7</u>	<u>4</u>	<u>13</u>	<u>0</u>	<u>130</u>
		0.0	<u>2.9</u>	<u>1.4</u>	<u>1.1</u>	<u>1.8</u>	<u>0.7</u>	<u>0.6</u>	<u>1.2</u>	<u>0.0</u>	<u>1.4</u>
Females	European/Pakeha	1	21	9	3	3	0	0	0	0	37
		1.5	0.8	0.4	0.3	0.4	0.0	0.0	0.0	0.0	0.5
	Maori	1	28	12	7	1	0	1	0	0	50
		1.1	2.6	1.6	1.6	0.3	0.0	1.1	0.0	0.0	1.7
	Pacific Peoples	0	2	1	3	0	0	0	0	0	6
		0.0	1.3	0.6	3.1	0.0	0.0	0.0	0.0	-	1.1
	Other	0	0	2	1	1	0	0	0	0	4
		0.0	0.0	1.1	0.6	0.8	0.0	0.0	0.0	-	0.5
	Unknown	0	1	0	1	0	0	0	0	0	2
		0.0	12.5	0.0	9.1	0.0	0.0	0.0	0.0	-	4.5
	Total	<u>2</u> 1.2	<u>52</u>	<u>24</u>	<u>15</u>	<u>5</u>	<u>0</u>	<u>1</u>	<u>0</u>	<u>0</u>	99 0.8
		1.2	1.3	0.8	0.8	0.4	0.0	0.2	0.0	0.0	0.8

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

Genital Herpes (First presentation)

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

Quarter 1

					~	
Total Cli	nic Visi	ts¹	<u>2006</u>		<u>2007</u>	
			Total		Total	
2006	2007	<u>Clinic</u>	No.	Rate ²	No.	Rate ²
390	540	Whangarei	9	2.3%	8	1.5%
104	152	Dargaville	0	0.0%	0	0.0%
77	88	Kaikohe	0	0.0%	0	0.0%
5499	6621	Auckland	46	0.8%	45	0.7%
6070	7401	North	55	0.9%	53	0.7%
2174	2149	Hamilton	25	1.1%	22	1.0%
1945	1639	Tauranga	22	1.1%	15	0.9%
334	333	Rotorua	3	0.9%	3	0.9%
294	249	Whakatane	1	0.3%	1	0.4%
216	212	Taupo	1	0.5%	0	0.0%
577	562	New Plymouth	6	1.0%	5	0.9%
796	759	Gisborne	1	0.1%	0	0.0%
6336	5903	Midland	59	0.9%	46	0.8%
331	331	Napier	2	0.6%	3	0.9%
156	226	Hastings	5	3.2%	2	0.9%
235	258	Wanganui	3	1.3%	1	0.4%
959	949	Palmerston North/Levin/Dannevirke	8	0.8%	4	0.4%
2398	2137	Wellington	16	0.7%	14	0.7%
268	194	Lower Hutt	1	0.4%	3	1.5%
166	121	Porirua	0	0.0%	0	0.0%
480	487	Nelson	2	0.4%	4	0.8%
137	170	Wairau (Blenheim)	2	1.5%	0	0.0%
5130	4873	Central	39	0.8%	31	0.6%
128	122	Greymouth	1	0.8%	1	0.8%
81	113	Westport/Buller	0	0.0%	2	1.8%
2370	2257	Christchurch	23	1.0%	26	1.2%
43	0	Ashburton	0	0.0%	0	0.0%
141	204	Timaru	4	2.8%	7	3.4%
816	818	Dunedin	9	1.1%	7	0.9%
530	562	Invercargill/Gore	1	0.2%	6	1.1%
4109	4076	South	38	0.9%	49	1.2%
21645	22253	Total	191	0.9%	179	0.8%

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

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

Table 2.6: Genital Herpes - Cases and Clinic Visit Rates¹ by Age, Sex and Ethnicity at SHCs

						Age gro	up (years)			
		<u><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>>44</u>	<u>Unk</u>	Total
Males	European/Pakeha	0	7	11	12	14	9	5	2	0	60
		0.0	1.1	0.7	1.0	1.4	1.2	1.1	0.2	0.0	0.9
	Maori	0	1	4	1	0	2	0	1	0	9
		0.0	0.5	1.8	0.6	0.0	2.2	0.0	1.9	-	1.0
	Pacific Peoples	0	0	0	0	0	0	1	0	0	1
		0.0	0.0	0.0	0.0	0.0	0.0	14.3	0.0	-	0.9
	Other	0	0	1	0	0	0	1	1	0	3
		0.0	0.0	0.8	0.0	0.0	0.0	1.3	1.0	-	0.4
	Unknown	0	0	0	1	2	0	0	0	0	3
		0.0	0.0	0.0	1.7	9.5	0.0	0.0	0.0	0.0	1.2
	Total	<u>0</u>	<u>8</u>	<u>16</u>	<u>14</u>	<u>16</u>	<u>11</u>	<u>7</u>	<u>4</u>	<u>0</u>	<u>76</u>
		0.0	<u>0.9</u>	<u>0.8</u>	<u>0.9</u>	<u>1.2</u>	<u>1.1</u>	<u>1.1</u>	<u>0.4</u>	<u>0.0</u>	0.9
Females	European/Pakeha	0	23	21	8	12	6	3	7	0	80
		0.0	0.9	1.0	0.7	1.6	1.2	0.9	1.7	0.0	1.0
	Maori	0	7	4	2	0	0	0	0	0	13
		0.0	0.6	0.5	0.4	0.0	0.0	0.0	0.0	0.0	0.4
	Pacific Peoples	0	0	1	1	0	0	0	0	0	2
		0.0	0.0	1.0	1.5	0.0	0.0	0.0	0.0	-	0.5
	Other	0	0	1	1	3	2	0	0	0	7
		0.0	0.0	0.3	0.4	1.5	1.9	0.0	0.0	-	0.6
	Unknown	0	0	1	0	0	0	0	0	0	1
		0.0	0.0	6.7	0.0	0.0	0.0	0.0	0.0	-	1.9
	Total	<u>0</u>	<u>30</u>	<u>28</u>	<u>12</u>	<u>15</u>	<u>8</u>	<u>3</u>	<u>7</u>	<u>0</u>	103
		0.0	0.8	0.9	0.6	1.2	1.0	0.6	1.1	0.0	0.8

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

Genital Warts (First presentation)

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

Quarter 1

Total Cli	nic Visi	ts ¹	<u>2006</u>		<u>2007</u>	
			Total		Total	
2006	2007	<u>Clinic</u>	No.	Rate ²	No.	Rate ²
390	540	Whangarei	12	3.1%	32	5.9%
104	152	Dargaville	1	1.0%	1	0.7%
77	88	Kaikohe	0	0.0%	0	0.0%
5499	6621	Auckland	259	4.7%	299	4.5%
6070	7401	North	272	4.5%	332	4.5%
2174	2149	Hamilton	107	4.9%	113	5.3%
1945	1639	Tauranga	82	4.2%	76	4.6%
334	333	Rotorua	24	7.2%	21	6.3%
294	249	Whakatane	16	5.4%	21	8.4%
216	212	Taupo	0	0.0%	0	0.0%
577	562	New Plymouth	36	6.2%	29	5.2%
796	759	Gisborne	0	0.0%	0	0.0%
6336	5903	Midland	265	4.2%	260	4.4%
331	331	Napier	16	4.8%	16	4.8%
156	226	Hastings	10	6.4%	21	9.3%
235	258	Wanganui	18	7.7%	7	2.7%
959	949	Palmerston North/Levin/Dannevirke	37	3.9%	28	3.0%
2398	2137	Wellington	77	3.2%	68	3.2%
268	194	Lower Hutt	11	4.1%	8	4.1%
166	121	Porirua	11	6.6%	8	6.6%
480	487	Nelson	30	6.3%	23	4.7%
137	170	Wairau (Blenheim)	14	10.2%	20	11.8%
5130	4873	Central	224	4.4%	199	4.1%
128	122	Greymouth	11	8.6%	6	4.9%
81	113	Westport/Buller	2	2.5%	4	3.5%
2370	2257	Christchurch	91	3.8%	100	4.4%
43	0	Ashburton	3	7.0%	0	0.0%
141	204	Timaru	10	7.1%	5	2.5%
816	818	Dunedin	40	4.9%	40	4.9%
530	562	Invercargill/Gore	46	8.7%	55	9.8%
4109	4076	South	203	4.9%	210	5.2%
21645	22253	Total	964	4.5%	1001	4.5%

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

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

Table 2.8: Genital Warts - Cases and Clinic Visit Rates¹ by Age, Sex and Ethnicity at SHCs

		Age group (years)											
		<u><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>>44</u>	<u>Unk</u>	Total		
Males	European/Pakeha	0	45	103	71	54	35	12	24	0	344		
		0.0	7.1	6.3	5.8	5.3	4.6	2.7	2.8	0.0	5.2		
	Maori	0	13	19	16	6	1	2	0	0	57		
		0.0	4.5	5.7	6.5	3.6	0.8	3.3	0.0	-	4.4		
	Pacific Peoples	0	3	5	4	1	2	1	0	0	16		
		0.0	6.1	4.2	4.0	1.7	5.0	3.7	0.0	-	3.7		
	Other	0	1	9	8	6	4	1	0	0	29		
		0.0	1.8	5.3	3.8	3.8	3.5	1.0	0.0	-	3.0		
	Unknown	0	4	1	1	1	2	2	0	0	11		
		0.0	17.4	2.4	1.7	4.8	5.7	4.7	0.0	0.0	4.3		
	Total	<u>0</u>	<u>66</u>	<u>137</u>	<u>100</u>	<u>68</u>	<u>44</u>	<u>18</u>	<u>24</u>	<u>0</u>	<u>457</u>		
		0.0	<u>6.2</u>	<u>6.0</u>	<u>5.5</u>	<u>4.8</u>	<u>4.1</u>	2.7	2.1	<u>0.0</u>	4.8		
Females	European/Pakeha	1	167	115	43	24	17	3	4	0	374		
		1.5	6.6	5.7	3.6	3.1	3.5	0.9	1.0	0.0	4.8		
	Maori	3	56	28	10	9	2	1	0	0	109		
		3.2	5.1	3.8	2.2	3.1	1.3	1.1	0.0	0.0	3.6		
	Pacific Peoples	0	5	10	3	0	3	0	0	0	21		
		0.0	3.3	6.3	3.1	0.0	8.8	0.0	0.0	-	3.8		
	Other	0	5	13	9	3	1	0	0	0	31		
		0.0	2.9	4.4	3.6	1.5	1.0	0.0	0.0	-	2.6		
	Unknown	0	1	4	1	0	1	1	1	0	9		
		0.0	2.5	8.9	4.5	0.0	4.0	10.0	11.1	-	5.6		
	Total	4	<u>234</u>	<u>170</u>	<u>66</u>	<u>36</u>	<u>24</u>	<u>5</u>	<u>5</u>	0	544		
		$\frac{4}{2.3}$	5.9	5.2	3.3	2.7	3.0	0.9	0.8	0.0	544 4.3		

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

Syphilis

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

Quarter 1

Total Clin	ic Visits	1	<u>2006</u>		<u>2007</u>	
			<u>Total</u>		<u>Total</u>	
<u> 2006</u>	<u>2007</u>	<u>Clinic</u>	<u>No.</u>	Rate ²	<u>No.</u>	Rate ²
390	540	Whangarei	0	0.0%	0	0.0%
104	152	Dargaville	0	0.0%	0	0.0%
77	88	Kaikohe	0	0.0%	0	0.0%
5499	6621	Auckland	7	0.1%	18	0.3%
6070	7401	North	7	0.1%	18	0.2%
2174	2149	Hamilton	5	0.2%	0	0.0%
1945	1639	Tauranga	0	0.0%	0	0.0%
334	333	Rotorua	0	0.0%	0	0.0%
294	249	Whakatane	0	0.0%	0	0.0%
216	212	Taupo	0	0.0%	0	0.0%
577	562	New Plymouth	0	0.0%	0	0.0%
796	759	Gisborne	0	0.0%	0	0.0%
6336	5903	Midland	5	0.1%	0	0.0%
331	331	Napier	0	0.0%	0	0.0%
156	226	Hastings	0	0.0%	0	0.0%
235	258	Wanganui	0	0.0%	0	0.0%
959	949	Palmerston North/Levin/Dannevirke	2	0.2%	1	0.1%
2398	2137	Wellington	3	0.1%	1	0.0%
268	194	Lower Hutt	0	0.0%	0	0.0%
166	121	Porirua	1	0.6%	0	0.0%
480	487	Nelson	0	0.0%	0	0.0%
137	170	Wairau (Blenheim)	0	0.0%	0	0.0%
5130	4873	Central	6	0.1%	2	0.0%
128	122	Greymouth	0	0.0%	0	0.0%
81	113	Westport/Buller	0	0.0%	0	0.0%
2370	2257	Christchurch	0	0.0%	2	0.1%
43	0	Ashburton	0	0.0%	0	0.0%
141	204	Timaru	0	0.0%	0	0.0%
816	818	Dunedin	0	0.0%	0	0.0%
530	562	Invercargill/Gore	0	0.0%	0	0.0%
4109	4076	South	0	0.0%	2	0.0%
21645	22253	Total	18	0.1%	22	0.1%

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

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

Table 2.10: Syphilis - Cases and Clinic Visit Rates¹ by Age, Sex and Ethnicity at SHCs

		Age group (years)											
		< <u>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>>44</u>	<u>Unk</u>	Total		
Males	European/Pakeha	0	0	4	1	1	1	2	4	0	13		
		0.0	0.0	0.2	0.1	0.1	0.1	0.5	0.5	0.0	0.2		
	Pacific Peoples	0	0	1	0	0	0	0	0	0	1		
	-	0.0	0.0	3.1	0.0	0.0	0.0	0.0	0.0	-	0.9		
	Other	0	0	0	2	1	1	0	1	0	5		
		0.0	0.0	0.0	1.0	0.6	0.9	0.0	0.7	-	0.5		
	Unknown	0	0	0	0	0	0	1	0	0	1		
		0.0	0.0	0.0	0.0	0.0	0.0	7.1	0.0	0.0	1.2		
	Total	0	<u>0</u>	<u>5</u>	<u>3</u>	<u>2</u>	<u>2</u>	3	<u>5</u>	<u>0</u>	<u>20</u>		
		0.0	0.0	0.3	0.2	0.2	0.2	<u>0.5</u>	<u>0.5</u>	<u>0.0</u>	0.3		
Females	Pacific Peoples	0	0	1	1	0	0	0	0	0	2		
	-	0.0	0.0	0.8	1.5	0.0	0.0	0.0	0.0	-	0.5		
	Total	<u>0</u>	<u>0</u>	1	1	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>2</u>		
		0.0	0.0	0.8	1.5	0.0	0.0	0.0	0.0	0.0	0.5		

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

NSU (Males Only)

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

Quarter 1

Total Cli	nic Visit	s for males ¹	<u>2006</u>		<u>2007</u>	
			<u>Total</u>		<u>Total</u>	
2006	2007	Clinic	No.	Rate ²	No.	Rate ²
113	173	Whangarei	0	0.0%	0	0.0%
5	9	Dargaville	0	0.0%	0	0.0%
4	9	Kaikohe	0	0.0%	0	0.0%
2762	3306	Auckland	109	3.9%	92	2.8%
2884	3497	North	109	3.8%	92	2.6%
825	857	Hamilton	17	2.1%	17	2.0%
386	411	Tauranga	11	2.8%	16	3.9%
159	140	Rotorua	3	1.9%	0	0.0%
59	69	Whakatane	6	10.2%	1	1.4%
54	68	Taupo	2	3.7%	0	0.0%
249	242	New Plymouth	12	4.8%	19	7.9%
65	79	Gisborne	0	0.0%	0	0.0%
1797	1866	Midland	51	2.8%	53	2.8%
65	83	Napier	0	0.0%	0	0.0%
35	48	Hastings	0	0.0%	0	0.0%
81	80	Wanganui	1	1.2%	0	0.0%
400	411	Palmerston North/Levin/Dannevirke	26	6.5%	16	3.9%
1166	1101	Wellington	0	0.0%	0	0.0%
131	92	Lower Hutt	0	0.0%	0	0.0%
60	37	Porirua	0	0.0%	0	0.0%
242	231	Nelson	9	3.7%	11	4.8%
72	116	Wairau (Blenheim)	0	0.0%	0	0.0%
2252	2199	Central	36	1.6%	27	1.2%
56	37	Greymouth	0	0.0%	0	0.0%
28	39	Westport/Buller	0	0.0%	0	0.0%
1337	1203	Christchurch	14	1.0%	22	1.8%
15	0	Ashburton	0	0.0%	0	0.0%
75	120	Timaru	0	0.0%	0	0.0%
285	299	Dunedin	1	0.4%	4	1.3%
280	260	Invercargill/Gore	8	2.9%	8	3.1%
2076	1958	South	23	1.1%	34	1.7%
9009	9520	Total	219	2.4%	206	2.2%

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

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

Table 2.12: NSU (Males only) - Cases and Clinic Visit Rates¹ by Age, Sex and Ethnicity at SHCs

		Age group (years)												
		<u><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>>44</u>	<u>Unk</u>	Total			
Males	European/Pakeha	0	18	33	24	29	12	12	22	0	150			
Males	European/Fakena	0.0	2.8	2.0	2.0	2.8	1.6	2.7	2.6	0.0	2.3			
	Maori	0	2	7	8	3	1	1	0	0	22			
		0.0	0.7	2.1	3.3	1.8	0.8	1.6	0.0	-	1.7			
	Pacific Peoples	0	2	1	2	1	0	1	0	0	7			
		0.0	6.1	1.4	2.8	2.4	0.0	5.6	0.0	-	2.4			
	Other	0	1	3	3	3	5	1	2	0	18			
		0.0	1.8	1.8	1.4	1.9	4.4	1.0	1.4	-	1.9			
	Unknown	0	0	1	1	1	2	4	0	0	9			
		0.0	0.0	2.4	1.7	4.8	5.7	9.3	0.0	0.0	3.6			
	Total	<u>0</u>	<u>23</u>	<u>45</u>	<u>38</u>	<u>37</u>	<u>20</u>	<u>19</u>	<u>24</u>	<u>0</u>	<u>206</u>			
		0.0	2.2	2.0	2.1	2.6	1.9	2.9	2.1	0.0	2.2			

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

Family Planning Clinic (FPC) Data

Chlamydia

Table 3.1: Chlamydia - Cases and Clinic Visit Rates¹ by Age, Sex and Ethnicity at FPCs

						Age gro	up (years)			
		< <u>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>>44</u>	<u>Unk</u>	Total
Males	European/Pakeha	0	29	27	4	0	1	0	0	0	61
	-	0.0	6.2	5.2	2.1	0.0	0.8	0.0	0.0	0.0	3.8
	Maori	0	11	11	2	1	1	0	0	0	26
		0.0	13.4	18.0	10.0	6.3	33.3	0.0	0.0	-	13.3
	Pacific Peoples	0	3	3	0	1	0	0	0	0	7
		0.0	7.9	7.7	0.0	7.7	0.0	0.0	0.0	-	6.3
	Other	0	7	5	1	0	1	1	1	0	16
		0.0	8.8	6.0	2.9	0.0	3.7	4.8	4.0	-	5.4
	Unknown	0	1	3	1	1	0	0	0	0	6
		0.0	3.8	8.3	5.0	5.3	0.0	0.0	0.0	0.0	4.7
	Total	0	<u>51</u>	<u>49</u>	<u>8</u>	<u>3</u>	<u>3</u>	1	1	<u>0</u>	116 5.0
		0.0	<u>7.3</u>	<u>6.6</u>	<u>2.9</u>	<u>1.8</u>	<u>1.8</u>	<u>0.9</u>	<u>0.9</u>	<u>0.0</u>	<u>5.0</u>
Females	European/Pakeha	7	243	152	34	8	3	2	1	1	451
		1.6	2.2	1.6	0.9	0.4	0.2	0.2	0.1	7.7	1.5
	Maori	4	86	33	6	2	0	0	0	0	131
		3.3	5.3	3.4	1.6	0.8	0.0	0.0	0.0	0.0	3.6
	Pacific Peoples	0	24	22	11	1	4	0	0	0	62
		0.0	4.1	3.8	4.4	0.8	5.4	0.0	0.0	-	3.6
	Other	4	50	26	14	4	1	0	0	0	99
		4.0	2.5	1.5	1.6	0.7	0.2	0.0	0.0	0.0	1.6
	Unknown	0	19	9	5	0	0	0	0	0	33
		0.0	3.6	2.0	1.9	0.0	0.0	0.0	0.0	0.0	1.8
	Total	<u>15</u>	<u>422</u>	<u>242</u>	<u>70</u>	<u>15</u>	<u>8</u>	<u>2</u>	<u>1</u>	<u>1</u>	<u>776</u>
		<u>2.1</u>	<u>2.7</u>	<u>1.8</u>	<u>1.3</u>	<u>0.4</u>	<u>0.3</u>	<u>0.1</u>	<u>0.1</u>	<u>2.9</u>	<u>1.8</u>

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

Gonorrhoea

Table 3.2: Gonorrhoea - Cases and Clinic Visit Rates¹ 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>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>>44</u>	<u>Unk</u>	Total		
Males	European/Pakeha	0	3	1	0	0	0	0	0	0	4		
		0.0	0.6	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.3		
	Maori	0	3	1	0	0	0	0	0	0	4		
		0.0	4.8	2.4	0.0	0.0	0.0	0.0	0.0	-	2.8		
	Pacific Peoples	0	2	0	0	0	0	0	0	0	2		
		0.0	5.9	0.0	0.0	0.0	0.0	0.0	0.0	-	2.4		
	Other	0	1	0	0	0	0	0	0	0	1		
		0.0	3.6	0.0	0.0	0.0	0.0	0.0	0.0	-	0.9		
	Unknown	0	0	1	1	0	0	0	0	0	2		
		0.0	0.0	3.1	6.7	0.0	0.0	0.0	0.0	-	1.9		
	Total	<u>0</u>	<u>9</u>	<u>3</u>	<u>1</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>13</u>		
		0.0	<u>1.5</u>	<u>0.5</u>	<u>0.4</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.6</u>		
Females	European/Pakeha	1	17	6	3	0	0	0	0	0	27		
		0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1		
	Maori	0	5	3	0	0	0	0	0	0	8		
		0.0	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.4		
	Pacific Peoples	0	2	0	1	0	0	0	0	0	3		
		0.0	0.5	0.0	0.6	0.0	0.0	0.0	0.0	-	0.2		
	Other	0	2	1	0	1	0	0	0	0	4		
		0.0	0.1	0.1	0.0	0.3	0.0	0.0	0.0	0.0	0.1		
	Unknown	0	2	1	0	0	0	0	0	0	3		
		0.0	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.2		
	Total	<u>1</u>	<u>28</u>	<u>11</u>	<u>4</u>	<u>1</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>45</u>		
		0.2	0.2	<u>0.1</u>	<u>0.1</u>	<u>0.0</u>	<u>0.0</u>	0.0	<u>0.0</u>	<u>0.0</u>	0.1		

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

Genital Herpes (First presentation)

Table 3.3: Genital Herpes - Cases and Clinic Visit Rates¹ by Age, Sex and Ethnicity at FPCs

		Age group (years)												
		<u><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>>44</u>	<u>Unk</u>	Total			
Males	European/Pakeha	0	1	1	1	0	1	0	0	0	4			
		0.0	0.3	0.3	0.8	0.0	1.0	0.0	0.0	0.0	0.4			
	Total	0	1	1	1	0	1	0	0	0	4			
		0.0	0.3	0.3	0.8	0.0	1.0	0.0	0.0	0.0	0.4			
Females	European/Pakeha	0	9	10	2	1	1	0	4	0	27			
		0.0	0.1	0.1	0.1	0.0	0.1	0.0	0.3	0.0	0.1			
	Maori	0	1	0	0	0	0	0	0	0	1			
		0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1			
	Other	0	3	1	1	0	0	0	0	0	5			
		0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1			
	Unknown	0	1	1	0	0	0	0	0	0	2			
		0.0	0.5	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.3			
	Total	<u>0</u>	<u>14</u>	<u>12</u>	<u>3</u>	1	1	<u>0</u>	<u>4</u>	<u>0</u>	<u>35</u>			
		0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.2	0.0	0.1			

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

Genital Warts (First presentation)

Table 3.4: Genital Warts - Cases and Clinic Visit Rates¹ by Age, Sex and Ethnicity at FPCs

		Age group (years) <15											
		<u><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>>44</u>	<u>Unk</u>	Total		
Males	European/Pakeha	0	5	15	3	2	1	0	0	0	26		
		0.0	1.1	2.9	1.6	2.0	0.8	0.0	0.0	0.0	1.6		
	Maori	0	2	0	0	1	0	0	0	0	3		
		0.0	3.5	0.0	0.0	11.1	0.0	0.0	0.0	-	2.3		
	Pacific Peoples	0	0	2	0	1	0	0	0	0	3		
		0.0	0.0	7.4	0.0	14.3	0.0	0.0	0.0	-	3.9		
	Other	0	1	6	1	0	0	0	0	0	8		
		0.0	1.3	7.1	2.9	0.0	0.0	0.0	0.0	-	2.7		
	Unknown	0	0	1	0	0	0	0	0	0	1		
		0.0	0.0	5.9	0.0	0.0	0.0	0.0	0.0	-	1.8		
	Total	<u>0</u>	<u>8</u>	<u>24</u>	<u>4</u>	<u>4</u>	<u>1</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>41</u>		
		0.0	<u>1.2</u>	<u>3.5</u>	<u>1.6</u>	2.8	0.6	0.0	0.0	0.0	<u>1.9</u>		
Females	European/Pakeha	2	34	34	4	3	0	0	1	0	78		
		0.5	0.3	0.4	0.1	0.1	0.0	0.0	0.1	0.0	0.3		
	Maori	0	8	5	1	1	0	0	0	0	15		
		0.0	0.5	0.5	0.3	0.4	0.0	0.0	0.0	0.0	0.4		
	Pacific Peoples	0	2	1	0	0	0	0	0	0	3		
		0.0	0.5	0.3	0.0	0.0	0.0	0.0	0.0	-	0.2		
	Other	0	11	0	0	0	0	0	0	0	11		
		0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2		
	Unknown	0	2	5	0	1	1	0	0	0	9		
		0.0	0.4	1.1	0.0	0.6	0.7	0.0	0.0	0.0	0.5		
	Total	<u>2</u> 0.3	<u>57</u>	<u>45</u>	<u>5</u>	<u>5</u>	1	0	1	<u>0</u>	<u>116</u>		
		0.3	0.4	0.3	0.1	0.2	0.0	0.0	<u>0.1</u>	0.0	0.3		

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

Student & Youth Health Clinic (SYHC) Data

Chlamydia

Table 4.1: Chlamydia - Cases and Clinic Visit Rates¹ by Age, Sex and Ethnicity at SYHCs

		Age group (years) <15 15-19 20-24 25-29 30-34 35-39 40-44 >44 Unk Total											
		<u><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>>44</u>	<u>Unk</u>	Total		
Males	European/Pakeha	0	13	20	2	1	0	0	1	0	37		
		0.0	1.1	0.8	0.3	0.4	0.0	0.0	0.4	0.0	0.7		
	Maori	0	4	9	1	0	0	0	0	0	14		
		0.0	2.1	3.5	1.0	0.0	0.0	0.0	0.0	0.0	1.8		
	Pacific Peoples	0	1	1	0	0	0	0	0	0	2		
		0.0	4.8	2.9	0.0	0.0	0.0	0.0	0.0	-	1.9		
	Other	0	0	4	0	0	0	0	0	0	4		
		0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	-	0.2		
	Unknown	0	2	1	0	0	0	0	0	0	3		
		0.0	8.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1		
	Total	<u>0</u>	<u>20</u>	<u>35</u>	<u>3</u>	<u>1</u>	<u>0</u>	<u>0</u>	<u>1</u>	<u>0</u>	60 0.5		
		0.0	1.2	0.9	0.3	0.2	0.0	0.0	0.3	0.0	<u>0.5</u>		
Females	European/Pakeha	4	37	43	4	1	0	0	0	0	89		
	-	6.7	0.8	0.5	0.3	0.2	0.0	0.0	0.0	0.0	0.6		
	Maori	1	25	14	2	2	1	0	0	0	45		
		3.3	5.1	1.8	0.8	2.2	0.9	0.0	0.0	0.0	2.3		
	Pacific Peoples	0	4	2	1	0	0	0	0	0	7		
	-	0.0	3.0	1.1	2.1	0.0	0.0	0.0	0.0	-	1.6		
	Other	0	3	6	4	0	0	0	0	0	13		
		0.0	0.6	0.3	0.6	0.0	0.0	0.0	0.0	-	0.3		
	Unknown	0	3	6	0	1	0	0	0	0	10		
		0.0	5.6	3.9	0.0	11.1	0.0	0.0	0.0	0.0	0.1		
	Total	<u>5</u>	<u>72</u>	<u>71</u>	<u>11</u>	4	1	0	0	0	<u>164</u>		
		4.0	1.3	0.6	0.5	0.4	0.2	0.0	0.0	0.0	0.5		

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

Gonorrhoea

Table 4.2: Gonorrhoea - Cases and Clinic Visit Rates¹ by Age, Sex and Ethnicity at SYHCs

						Age gro	up (years)			
		< <u>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>>44</u>	<u>Unk</u>	Total
Males	European/Pakeha	0	3	1	2	0	0	0	0	0	6
	-	0.0	0.3	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.1
	Maori	0	1	0	0	0	0	0	0	0	1
		0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
	Total	<u>0</u>	<u>4</u>	1	<u>2</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>7</u>
		0.0	0.3	0.0	0.3	0.0	<u>0.0</u>	0.0	<u>0.0</u>	<u>0.0</u>	0.1
Females	European/Pakeha	1	3	4	0	0	0	0	0	0	8
		2.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1
	Maori	0	4	0	1	0	0	0	0	0	5
		0.0	1.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.3
	Unknown	0	0	1	0	0	0	0	0	0	1
		0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Total	<u>1</u>	<u>7</u>	<u>5</u>	<u>1</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>14</u>
		1.5	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1

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

Genital Herpes (First presentation)

Table 4.3: Genital Herpes - Cases and Clinic Visit Rates¹ by Age, Sex and Ethnicity at SYHCs

						Age gro	up (years)			
		<u><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>>44</u>	<u>Unk</u>	<u>Total</u>
Males	European/Pakeha	0	1	1	0	0	0	0	0	0	2
	<u>.</u>	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1
	Maori	0	1	0	0	0	0	0	0	0	1
		0.0	0.8	0.0	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	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.1
	Total	<u>0</u>	<u>2</u>	<u>2</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	4
		0.0	0.2	<u>0.1</u>	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Females	European/Pakeha	0	6	9	2	1	0	0	0	0	18
		0.0	0.1	0.1	0.1	0.2	0.0	0.0	0.0	0.0	0.1
	Maori	0	0	1	0	0	1	0	0	0	2
		0.0	0.0	0.2	0.0	0.0	2.0	0.0	0.0	0.0	0.2
	Unknown	0	0	0	1	0	0	0	0	0	1
		0.0	0.0	0.0	6.7	0.0	0.0	0.0	0.0	0.0	0.0
	Total	<u>0</u>	<u>6</u>	<u>10</u>	<u>3</u>	<u>1</u>	<u>1</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>21</u>
		0.0	0.1	0.1	0.2	0.1	0.2	0.0	0.0	0.0	0.1

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

Genital Warts (first presentation)

Table 4.4: Genital Warts – Cases and Clinic Visit Rates¹ by Age, Sex and Ethnicity at SYHCs

			Age group (years)										
		<u><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>>44</u>	<u>Unk</u>	Total		
Males	European/Pakeha	0	2	6	0	0	0	0	0	0	8		
		0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2		
	Maori	0	0	1	0	0	0	0	0	0	1		
		0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.2		
	Unknown	0	0	4	0	0	0	0	0	0	4		
		0.0	0.0	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.1		
	Total	<u>0</u>	<u>2</u>	<u>11</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>13</u>		
		0.0	0.2	<u>0.4</u>	0.0	0.0	0.0	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	0.1		
Females	European/Pakeha	0	6	11	2	0	0	0	0	0	19		
	•	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1		
	Maori	0	2	0	0	0	0	0	0	0	2		
		0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1		
	Pacific Peoples	0	0	1	0	0	0	0	0	0	1		
	·	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	-	0.4		
	Unknown	0	0	3	0	0	0	0	0	0	3		
		0.0	0.0	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
	Total	<u>0</u>	<u>8</u>	<u>15</u>	<u>2</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>25</u>		
		0.0	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.1		

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

Appendix: STI Surveillance Case Definitions

Confirmed Confirmed Cases should be classified as: 1. uncomplicated infection of the lower anogenital* tract									
Symptomatic, and a contact of a confirmed case, and non-laboratory confirmed (test negative or test not done). Confirmed Confirmed Cases should be classified as: I. uncomplicated infection of one or both of the following: a) urogenital tract b) anorectal area (proctitis) 2. PID (pelvic inflammatory disease) or epididymitis 3. extra-genital infection of one or both of the following: a) pharynx b) other site not listed	Chlamydia	Cases should be classified as: 1. uncomplicated infection of the lower anogenital* tract * Includes urogenital and anorectal infection. 2. PID (pelvic inflammatory disease) or epididymitis 3. infection of another site (eg, eye or pharynx)							
Cases should be classified as: 1. uncomplicated infection of one or both of the following: a) urogenital tract b) anorectal area (proctitis) 2. PID (pelvic inflammatory disease) or epididymitis 3. extra-genital infection of one or both of the following: a) pharynx b) other site not listed Probable Cases must be all of the following: • symptomatic, and • a contact of a confirmed case, and • non-laboratory confirmed (test negative or test not done). Anogenital Herpes First diagnosis for the person at your clinic, with either 1. laboratory detection of herpes simplex virus (HSV) from a clinical specimen, or 2. a clinically compatible illness in the lower anogenital and buttock area (syphilis should be considered as a cause of genital ulceration) *Do not include persons for whom there is only demonstration of human papillomavirus (HPV) on cervical cytology or other laboratory method. Syphilis Infectious syphilis (primary, secondary, and early latent) as diagnosed or confirmed by a venereologist, and early congenital syphilis as diagnosed or confirmed by a venereologist, and early congenital syphilis as diagnosed or confirmed by a paediatrician or venereologist. Non-Specific Urethritis (NSU) (males only) Chancroid Confirmed Infection of Haemophilus ducrey from a clinical specimen, Probable Confirmed Solution of Haemophilus ducrey from a clinical specimen, Probable Confirmed a clinical specimens. Probable Confirmed a clinical specimens. Probable Confirmed a clinical specimens. Probable Confirmed a confirmed tase. Confirmed a clinical specimen. Probable Lymphogranulom a venereum (LGV) Laboratory detection of Chlamydia trachomatis serotype L ₁ , L ₂ or L ₃ from a clinical specimen. A clinically compatible illness with complement fixation titre of > 64 and other causes of ulcerations excluded,		symptomatic, anda contact of a confirmed case, and							
Symptomatic, and a contact of a confirmed case, and non-laboratory confirmed (test negative or test not done). Anogenital Herpes	Gonorrhoea	Cases should be classified as: 1. uncomplicated infection of one or both of the following: a) urogenital tract b) anorectal area (proctitis) 2. PID (pelvic inflammatory disease) or epididymitis 3. extra-genital infection of one or both of the following: a) pharynx							
Laboratory detection of herpes simplex virus (HSV) from a clinical specimen, or 2. a clinically compatible illness in the lower anogenital and buttock area (syphilis should be considered as a cause of genital ulceration) Anogenital Warts		symptomatic, anda contact of a confirmed case, and							
external genitalia, perineum, or perianal region. * Do not include persons for whom there is only demonstration of human papillomavirus (HPV) on cervical cytology or other laboratory method. Syphilis Infectious syphilis (primary, secondary, and early latent) as diagnosed or confirmed by a venereologist, and early congenital syphilis as diagnosed or confirmed by a paediatrician or venereologist. Non-Specific 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 Confirmed Probable Isolation of Haemophilus ducreyi from a clinical specimen. Typical 'shoal of fish' pattern on gram stain of a clinical specimen, where syphilis, granuloma inguinale (GI) and anogenital herpes have been excluded, or A clinically compatible illness in a patient who is a contact of a confirmed case. Confirmed Inguinale (GI) A clinically compatible illness in a patient who is a contact of a confirmed case. Lymphogranulom a venereum (LGV) Probable Laboratory detection of Chlamydia trachomatis serotype L ₁ , L ₂ or L ₃ from a clinical specimen. A clinically compatible illness with complement fixation titre of > 64 and other causes of ulcerations excluded,		 laboratory detection of herpes simplex virus (HSV) from a clinical specimen, or a clinically compatible illness in the lower anogenital and buttock area 							
Venereologist, and early congenital syphilis as diagnosed or confirmed by a paediatrician or venereologist. Non-Specific 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 Confirmed Isolation of Haemophilus ducreyi from a clinical specimen.	_	external genitalia, perineum, or perianal region. * Do not include persons for whom there is only demonstration of human							
Urethritis (NSU) (males only)chlamydia, who does not meet the definition of a probable case of gonorrhoea or chlamydia.ChancroidConfirmed ProbableIsolation of Haemophilus ducreyi from a clinical specimen.Typical 'shoal of fish' pattern on gram stain of a clinical specimen, where syphilis, granuloma inguinale (GI) and anogenital herpes have been excluded, or A clinically compatible illness in a patient who is a contact of a confirmed case.Granuloma inguinale (GI)Demonstration of intracytoplasmic Donovan bodies on Wright or Giemsa stained smears or biopsies of clinical specimens. A clinically compatible illness in a patient who is a contact of a confirmed case.Lymphogranulom a venereum (LGV)Laboratory detection of Chlamydia trachomatis serotype L1, L2 or L3 from a clinical specimen. A clinically compatible illness with complement fixation titre of > 64 and other causes of ulcerations excluded,	Syphilis	venereologist, and early congenital syphilis as diagnosed or confirmed by a paediatrician or							
Probable Typical 'shoal of fish' pattern on gram stain of a clinical specimen, where syphilis, granuloma inguinale (GI) and anogenital herpes have been excluded, or A clinically compatible illness in a patient who is a contact of a confirmed case. Confirmed Demonstration of intracytoplasmic Donovan bodies on Wright or Giemsa stained smears or biopsies of clinical specimens. Probable A clinically compatible illness in a patient who is a contact of a confirmed case. Lymphogranulom a venereum (LGV) Probable Laboratory detection of Chlamydia trachomatis serotype L ₁ , L ₂ or L ₃ from a clinical specimen. A clinically compatible illness with complement fixation titre of > 64 and other causes of ulcerations excluded,	Urethritis (NSU)								
inguinale (GI) Probable or biopsies of clinical specimens. A clinically compatible illness in a patient who is a contact of a confirmed case. Lymphogranulom a venereum (LGV) Probable Confirmed Laboratory detection of Chlamydia trachomatis serotype L ₁ , L ₂ or L ₃ from a clinical specimen. A clinically compatible illness with complement fixation titre of > 64 and other causes of ulcerations excluded,	Chancroid	Probable Typical 'shoal of fish' pattern on gram stain of a clinical specimen, where syphilis, granuloma inguinale (GI) and anogenital herpes have been excluded, or							
a venereum (LGV) Probable specimen. A clinically compatible illness with complement fixation titre of > 64 and other causes of ulcerations excluded,		or biopsies of clinical specimens.							
A clinically compatible illness in a person who is a contact of a confirmed case.		specimen. Probable A clinically compatible illness with complement fixation titre of > 64 and other causes of ulcerations excluded, or							