

# **Quarterly Report on Sexually Transmitted Infections**

**Quarter 3 2000**



**Report by**

**The National Disease Surveillance Centre**

NDSC would like to thank all those who provided data for this report, particularly the STI Clinics and the Departments of Public Health

## Introduction

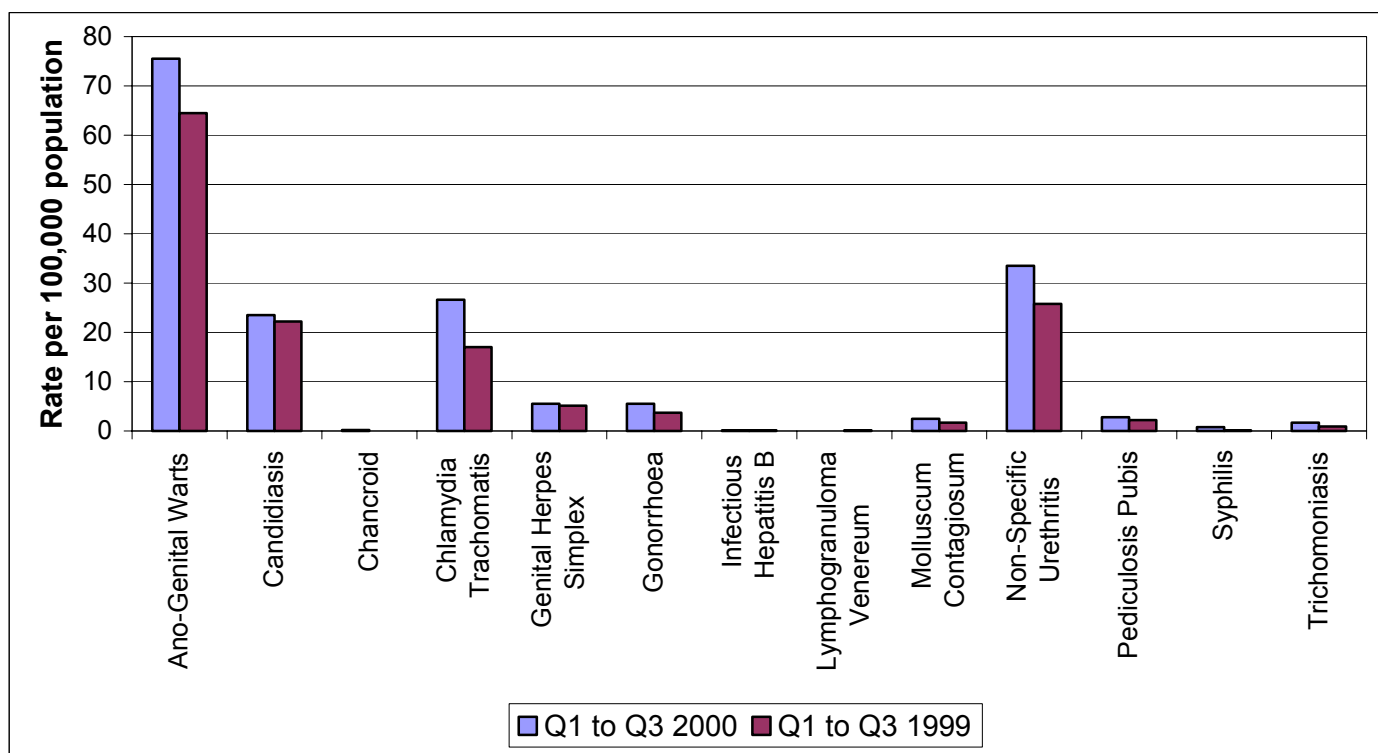
Fourteen sexually transmitted infections (STIs) are currently notifiable in Ireland: ano-genital warts, candidiasis, chancroid, chlamydia trachomatis, genital herpes simplex, gonorrhoea, granuloma inguinale, infectious hepatitis B, lymphogranuloma venereum, molluscum contagiosum, non-specific urethritis, pediculosis pubis, syphilis and trichomoniasis. Aggregate data is collected quarterly from STI clinics including age group, sex and diagnosis. The number of STIs notified by quarter, health board, age group and sex for quarter 3 (Q3) 2000 are presented in this report. Rates per 100,000 population are based on the 1996 population census (appendix A).

## Notified STIs for Quarter 3 2000

In Q3 2000, 2092 cases of STIs were notified in Ireland, compared to 1541 during the same quarter in 1999 (table 1), representing a 35.8% increase in STI notifications. No cases of granuloma inguinale and lymphogranuloma venereum were notified during Q3 2000. Notified cases of ano-genital warts, candidiasis, chancroid, chlamydia trachomatis, genital herpes simplex, gonorrhoea, infectious hepatitis B, molluscum contagiosum, non-specific urethritis, pediculosis pubis, syphilis and trichomoniasis all increased between Q1 and Q3 2000 compared to the first 9 months of 1999. The cumulative rate per 100,000 population for all notifiable STIs increased from 143.4 per 100,000 in the first 9 months of 1999 to 178.2 per 100,000 for the same period in 2000 (figure 1).

**Table 1:** Notified cases of sexually transmitted infections for Q3 2000 and Q3 1999 and cumulative notified cases for Q1 to Q3 2000 and Q1 to Q3 1999

Sexually Transmitted Infection	Q3 2000	Q3 1999	Increase/Decrease	% Increase/Decrease	Q1 to Q3 2000	Q1 to Q3 1999	Increase/Decrease	% Increase/Decrease
Ano-Genital Warts	832	671	161	24.0	2737	2338	399	17.1
Candidiasis	272	273	-1	-0.4	851	805	46	5.7
Chancroid	5	0	5		8	0	8	
Chlamydia Trachomatis	310	152	158	103.9	965	616	349	56.7
Genital Herpes Simplex	74	38	36	94.7	199	185	14	7.6
Gonorrhoea	96	59	37	62.7	200	135	65	48.1
Granuloma Inguinale	0	1	-1	-100.0	0	1	-1	-100.0
Infectious Hepatitis B <sup>1</sup>	5	0	5		5	2	3	150.0
Lymphogranuloma Venereum	0	2	-2	-100.0	0	2	-2	-100.0
Molluscum Contagiosum	21	10	11	110.0	91	62	29	46.8
Non-Specific Urethritis	404	304	100	32.9	1214	936	278	29.7
Pediculosis Pubis	25	21	4	19.0	100	81	19	23.5
Syphilis	21	1	20	2000.0	30	4	26	650.0
Trichomoniasis	27	9	18	200.0	60	34	26	76.5
<b>Total</b>	<b>2092</b>	<b>1541</b>	<b>551</b>	<b>35.8</b>	<b>6460</b>	<b>5201</b>	<b>1259</b>	<b>24.2</b>



<sup>1</sup>Cases of infectious hepatitis B that are sexually transmitted may also be reported through the weekly infectious disease report by NDSC

**Figure 1:** Notified sexually transmitted infections per 100,000 population for Q1 to Q3 2000 and Q1 to Q3 1999.

### Notified STIs by Health Board for Quarter 3 2000

Notified cases of STIs by health board are presented in table 2. It is important to note that STI surveillance is mainly clinic based. At the time these notifications were made there were no STI clinics in the MHB and NEHB. For Q3 2000, 56.3% of all STI notifications were in the ERHA, 0% in the MHB, 13.6% in the MWHB, 0.05% in the NEHB, 3.4% in the NWHB, 8.0% in the SEHB, 9.8% in the SHB and 8.8% in the WHB.

### Notified STIs by Age (years) for Quarter 3 2000

Notified cases of STIs by age group (years) are presented in table 3. Twenty-six per cent (543) of all notifiable were in the 20 to 29 year age group. The data represented in table 3 should be interpreted with caution, as the age group data for 57.6% of the cases notified during Q3 2000 were unknown.

**Table 2:** Notified sexually transmitted infections by health board  
Q3 2000

Sexually Transmitted Infection	Health Board								
	ERHA	MHB	MWHB	NEHB	NWHB	SEHB	SHB	WHB	Total
Ano-Genital Warts	442	0	92	0	39	79	91	89	<b>832</b>
Candidiasis	136	0	43	0	10	14	11	58	<b>272</b>
Chancroid	5	0	0	0	0	0	0	0	<b>5</b>
Chlamydia Trachomatis	189	0	27	0	8	34	30	22	<b>310</b>
Genital Herpes Simplex	46	0	7	1	2	5	9	4	<b>74</b>
Gonorrhoea	61	0	10	0	0	11	10	4	<b>96</b>
Granuloma Inguinale	0	0	0	0	0	0	0	0	<b>0</b>
Infectious Hepatitis B <sup>1</sup>	2	0	3	0	0	0	0	0	<b>5</b>
Lymphogranuloma Venereum	0	0	0	0	0	0	0	0	<b>0</b>
Molluscum Contagiosum	9	0	3	0	0	1	7	1	<b>21</b>
Non-Specific Urethritis	238	0	95	0	7	20	37	7	<b>404</b>
Pediculosis Pubis	14	0	3	0	1	2	5	0	<b>25</b>
Syphilis	16	0	1	0	0	1	3	0	<b>21</b>
Trichomoniasis	20	0	1	0	3	0	3	0	<b>27</b>
<b>Total</b>	<b>1178</b>	<b>0</b>	<b>285</b>	<b>1</b>	<b>70</b>	<b>167</b>	<b>206</b>	<b>185</b>	<b>2092</b>

**Table 3:** Notified sexually transmitted infections by age  
Q3 2000

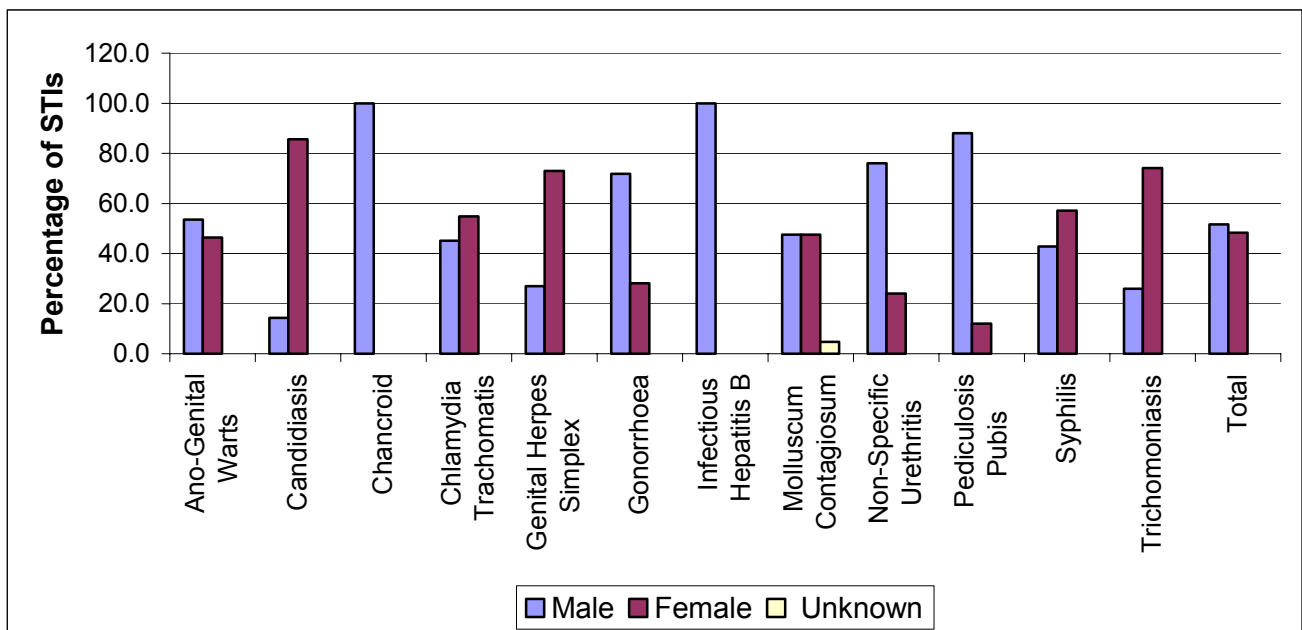
Sexually Transmitted Infection	Age (Years)					
	0-19	20-29	30-39	40+	Unknown	Total
Ano-Genital Warts	71	255	48	16	442	<b>832</b>
Candidiasis	21	57	20	14	160	<b>272</b>
Chancroid	0	0	0	0	5	<b>5</b>
Chlamydia Trachomatis	28	81	8	2	191	<b>310</b>
Genital Herpes Simplex	5	14	5	3	47	<b>74</b>
Gonorrhoea	4	18	7	6	61	<b>96</b>
Granuloma Inguinale	0	0	0	0	0	<b>0</b>
Infectious Hepatitis B <sup>1</sup>	0	2	0	1	2	<b>5</b>
Lymphogranuloma Venereum	0	0	0	0	0	<b>0</b>
Molluscum Contagiosum	2	8	2	0	9	<b>21</b>
Non-Specific Urethritis	16	98	36	16	238	<b>404</b>
Pediculosis Pubis	3	6	2	0	14	<b>25</b>
Syphilis	1	3	1	0	16	<b>21</b>
Trichomoniasis	2	1	1	3	20	<b>27</b>
<b>Total</b>	<b>153</b>	<b>543</b>	<b>130</b>	<b>61</b>	<b>1205</b>	<b>2092</b>

#### Notified STIs by Sex for Quarter 3 2000

During Q3 2000, 48.4% (1012) of all cases of notified STIs were amongst females and 51.6% (1079) were amongst males (table 4). Figure 2 represents the percentage of male and female cases for each of the notifiable STIs, during Q3 2000. For ano-genital warts, chancroid, gonorrhoea, infectious hepatitis B, non-specific urethritis, and pediculosis pubis, the majority of cases were amongst males. For candidiasis, chlamydia trachomatis, genital herpes simplex, syphilis and trichomoniasis the majority of cases were amongst females.

**Table 4:** Notified sexually transmitted infections by sex, Q3 2000

Sexually Transmitted Infection	Sex			
	Male	Female	Unknown	Total
Ano-Genital Warts	446	386	0	<b>832</b>
Candidiasis	39	233	0	<b>272</b>
Chancroid	5	0	0	<b>5</b>
Chlamydia Trachomatis	140	170	0	<b>310</b>
Genital Herpes Simplex	20	54	0	<b>74</b>
Gonorrhoea	69	27	0	<b>96</b>
Granuloma Inguinale	0	0	0	<b>0</b>
Infectious Hepatitis B <sup>1</sup>	5	0	0	<b>5</b>
Lymphogranuloma Venereum	0	0	0	<b>0</b>
Molluscum Contagiosum	10	10	1	<b>21</b>
Non-Specific Urethritis	307	97	0	<b>404</b>
Pediculosis Pubis	22	3	0	<b>25</b>
Syphilis	9	12	0	<b>21</b>
Trichomoniasis	7	20	0	<b>27</b>
<b>Total</b>	<b>1079</b>	<b>1012</b>	<b>1</b>	<b>2092</b>



**Figure 2:** Percentage of notified STIs by sex, Q3 2000

## Appendix A

**Table 5:** Notified sexually transmitted infections per 100,000 population for Q3 2000 and Q3 1999 and cumulative rates for Q1 to Q3 2000 and Q1 to Q3 1999

Sexually Transmitted Infection	Q3 2000	Q3 1999	Increase/Decrease	Q1 to Q3 2000	Q1 to Q3 1999	Increase/Decrease
Ano-Genital Warts	22.9	18.5	4.4	75.5	64.5	11.0
Candidiasis	7.5	7.5	0.0	23.5	22.2	1.3
Chancroid	0.1	0.0	0.1	0.2	0.0	0.2
Chlamydia Trachomatis	8.5	4.2	4.3	26.6	17	9.6
Genital Herpes Simplex	2.0	1.0	1.0	5.5	5.1	0.4
Gonorrhoea	2.6	1.6	1.0	5.5	3.7	1.8
Granuloma Inguinale	0.0	0.0	0.0	0.0	0.0	0.0
Infectious Hepatitis B <sup>1</sup>	0.1	0.0	0.1	0.1	0.1	0.0
Lymphogranuloma Venereum	0.0	0.1	-0.1	0.0	0.1	-0.1
Molluscum Contagiosum	0.6	0.3	0.3	2.5	1.7	0.8
Non-Specific Urethritis	11.1	8.4	2.7	33.5	25.8	7.7
Pediculosis Pubis	0.7	0.6	0.1	2.8	2.2	0.6
Syphilis	0.6	0.0	0.6	0.8	0.1	0.7
Trichomoniasis	0.7	0.2	0.5	1.7	0.9	0.8
<b>Total</b>	<b>57.7</b>	<b>42.5</b>	<b>15.2</b>	<b>178.2</b>	<b>143.4</b>	<b>34.8</b>

**Table 6:** Notified sexually transmitted infections per 100,000 population by age group, Q3 2000

Sexually Transmitted Infection	Age (Years)					
	0-19	20-29	30-39	40+	Unknown	Total
Ano-Genital Warts	5.9	46.2	9.3	1.2	12.2	22.9
Candidiasis	1.8	10.3	3.9	1.0	4.4	7.5
Chancroid	0.0	0.0	0.0	0.0	0.1	0.1
Chlamydia Trachomatis	2.3	14.7	1.5	0.1	5.3	8.5
Genital Herpes Simplex	0.4	2.5	1.0	0.2	1.3	2.0
Gonorrhoea	0.3	3.3	1.4	0.4	1.7	2.6
Granuloma Inguinale	0.0	0.0	0.0	0.0	0.0	0.0
Infectious Hepatitis B <sup>1</sup>	0.0	0.4	0.0	0.1	0.1	0.1
Lymphogranuloma Venereum	0.0	0.0	0.0	0.0	0.0	0.0
Molluscum Contagiosum	0.2	1.4	0.4	0.0	0.2	0.6
Non-Specific Urethritis	1.3	17.7	7.0	1.2	6.6	11.1
Pediculosis Pubis	0.3	1.1	0.4	0.0	0.4	0.7
Syphilis	0.1	0.5	0.2	0.0	0.4	0.6
Trichomoniasis	0.2	0.2	0.2	0.2	0.6	0.7
<b>Total</b>	<b>12.8</b>	<b>98.3</b>	<b>25.2</b>	<b>4.5</b>	<b>33.2</b>	<b>57.7</b>

**Table 7:** Notified sexually transmitted infections per 100,000 population by sex  
Q3 2000

Sexually Transmitted Infection	Sex			
	Male	Female	Unknown	Total
Ano-Genital Warts	24.8	21.1	0.0	22.9
Candidiasis	2.2	12.8	0.0	7.5
Chancroid	0.3	0.0	0.0	0.1
Chlamydia Trachomatis	7.8	9.3	0.0	8.5
Genital Herpes Simplex	1.1	3.0	0.0	2.0
Gonorrhoea	3.8	1.5	0.0	2.6
Granuloma Inguinale	0.0	0.0	0.0	0.0
Infectious Hepatitis B <sup>1</sup>	0.3	0.0	0.0	0.1
Lymphogranuloma Venereum	0.0	0.0	0.0	0.0
Molluscum Contagiosum	0.6	0.5	0.0	0.6
Non-Specific Urethritis	17.1	5.3	0.0	11.1
Pediculosis Pubis	1.2	0.2	0.0	0.7
Syphilis	0.5	0.7	0.0	0.6
Trichomoniasis	0.4	1.1	0.0	0.7
<b>Total</b>	<b>59.9</b>	<b>55.4</b>	<b>0.0</b>	<b>57.7</b>

<sup>1</sup>Cases of infectious hepatitis B that are sexually transmitted may also be reported through the weekly infectious disease report by NDSC