

REPORT ON HIV/AIDS IN ONTARIO

1997-1998

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INTRODUCTION

The present report provides an update to the "Report on the HIV/AIDS epidemic in Ontario, 1981-1996" ¹ distributed by the Public Health Branch in July 1998. The methods used here are the same as those in the original report and the reader is referred to the original report for methodologic details. Note that Table numbers do not correspond between the two documents.

For the present report, data from calendar years 1997 and 1998 were compiled and analyzed in five principal sections: (1) HIV diagnostic data, (2) reported AIDS cases, (3) AIDS-related mortality, (4) data from the Pediatric HIV Network on HIV-infected women delivering in Ontario and (5) results of modeling the course of the HIV epidemics in Ontario.

RESULTS

1. HIV DIAGNOSES

Table 1.1 shows the number of first time HIV diagnoses by year of diagnosis and sex to the end of 1998. Overall, 19,459 HIV infections were diagnosed. The proportion comprised by women was 10% overall but increased from 2% in 1985 when testing began to 20% in 1997 and 1998. Of the 19,459 HIV-infected persons diagnosed, we estimate that approximately 6,100 have died (see Section 5 below).

Table 1.2 presents HIV diagnoses by exposure category and sex. Overall, the majority of cases with known exposure category were MSM, who comprised 73% of all diagnoses (MSM and MSM-IDU taken together accounted for 75% of diagnoses). 9,923 (51%) HIV diagnoses did not have risk factor information indicated on the test requisition.

Table 1.3 shows the number of HIV diagnoses by exposure category and sex after “reassigning” exposure to cases without risk information in accordance with results of the 1996 callback study¹. The numbers reflect our current best estimate of the cumulative number of persons ever diagnosed with HIV in each exposure category. To obtain the current number of HIV-infected persons, deaths would have to be subtracted and those not yet diagnosed added.

Table 1.4 shows the distribution of HIV diagnoses by year of diagnosis and exposure category. The proportion of HIV diagnoses comprised by cases among MSM has declined dramatically, from 88% in 1985-86 to 54% in 1997-98. The proportion in other groups increased, including those from HIV-endemic countries, high-risk (HR) heterosexual and low risk (LR) heterosexual. As expected, cases among those infected by blood products and transfusion have steadily decreased since 1985 and together comprised only about 2% of diagnoses in 1998. Among perinatal cases, the proportion appears to have increased dramatically, from less than 1% before 1990 to 2% to 6% since 1993. Note that these represent infants with maternal HIV antibodies, some of whom are not infected.

Table 1.5 shows the distribution of HIV diagnoses by year of diagnosis and exposure category after “reassigning” exposure to cases without risk information according to the results of the 1996 callback study.

Table 1.6 presents the HIV diagnoses by age group at time of diagnosis and sex. This table shows that, overall, persons 25 to 44 years of age accounted for 83% of diagnoses. Women were somewhat younger than men: for adults (15+ years of age), those under 30 years of age comprised 42% of HIV diagnoses among women compared to 29% for men.

Table 1.7 shows HIV diagnoses by age group at time of diagnosis and exposure category. MSM were primarily aged 25 to 44 years; 78% were within this age group. IDUs were somewhat younger, with 84% 20 to 39 years of age. Those infected through blood transfusion were, however, considerably older: 51% were aged 25 to 44 years and 30% of infections occurred among persons 50 and older.

In **Table 1.8**, we present the mean age at time of HIV diagnosis by year of diagnosis and selected exposure categories for males. Age increased moderately for most exposure categories; for MSM, the mean age at diagnosis was 33 to 35 years from 1985 to 1995 but, since 1996, was 35 to 37 years with the highest mean age (37.4 years) in 1998. IDUs also appeared to increase in age at HIV diagnosis but with a somewhat different pattern; age was stable from 28 to 31 years until 1993 and increased since, with mean age in 1998 being 38.9 years, the highest ever. Among those from HIV-endemic countries, the age was higher earlier on and appeared to decrease since then, such that it was higher than MSM earlier in the epidemic but lower than MSM in recent years.

For females (seen in **Table 1.9**), age among IDUs was stable at age 26 to 30 years until 1994. Since 1995, the mean age varied from 32 to 36 years and was highest in 1998 at 35.9 years. Among those infected through heterosexual contact (i.e. HIV-endemic, HR and LR heterosexual), age appeared to increase though the numbers are too small, especially in later years, to draw specific conclusions.

Table 1.10 presents the distribution of HIV diagnoses from 1985 to 1998 by exposure category and health region. MSM constituted the vast majority of HIV diagnoses in Metro Toronto with 82%, but less than 50% in three regions, namely the Northern, Eastern, other and Central East, other regions.

Table 1.11 presents the distribution of HIV diagnoses by exposure category and health region after “reassigning” exposure to cases without risk information according to the results of the 1996 callback study.

Table 1.12 presents the assignment of HIV diagnoses according to combinations of risk factors.

Note that almost 10% of MSM also indicated sex with women.

Table 1.13 shows HIV positivity rates among persons undergoing testing from 1992 to 1998 by exposure category and year. The highest rates in adults were seen in MSM and MSM-IDU, with 4.2% and 4.7%, respectively. 2.1% of persons identified as being from HIV-endemic countries were seropositive. Though 15% of specimens tested under the prenatal category were positive, this is somewhat difficult to interpret since it is not known the criteria according to which children are being tested. The positivity rate was below 1% for all other categories.

Table 1.14 presents the number and rate per 100,000 by sex for each of the 37 health units in Ontario for 1985 to 1998. The rates were highest in Metro Toronto, driven in part by the very high rates in the former City of Toronto, followed by Ottawa-Carleton and Middlesex-London.

Table 1.15 shows HIV positivity rates by exposure category and health region for the period 1992 to 1998. The highest rates were observed among MSM-IDU in most regions. Among MSM, the positivity rate was highest in Metro Toronto whereas, among IDUs, the rate was highest in Ottawa-Carleton.

Table 1.16 shows the HIV positivity rates by exposure category, health region and sex for the period 1992 to 1998. Among women, positivity rates were highest among those from HIV-endemic countries at 1.7%. Interestingly, the rate of HIV positivity among female IDUs was 0.9%, compared to 1.4% among men.

Tables 1.17 through 1.20 present HIV positivity rates by exposure category, health region and sex for the years 1997 and 1998.

Table 1.21 shows the number of tests by year and sex for Ontario from 1992 to 1998. Overall, the number of tests increased from 222,000 to 287,000. The number of tests increased in both men and women; however, in men it increased 8% over the seven-year interval compared to 55% in women. In the latest year, women constituted 59% of persons testing for HIV in Ontario at the HIV Laboratory. **Table 1.22** shows similar data but presents the population testing rates by year of test and sex.

Table 1.23 shows the number of HIV tests carried out by exposure category and year of test. Exposure category information was missing for 63% of tests; the proportion of tests without risk factor was highest in 1992 with 71%, improved to 57% in 1993 but gradually increased since then (66% in 1998).

Table 1.24 shows the number of HIV tests by age group and exposure category.

Tables 1.25 and 1.26 present HIV testing numbers with proportions and testing rates, respectively by year of test and health region. Testing rates were highest and similar in Metro Toronto and Ottawa-Carleton; rates in the other five health regions were 35% to 55% of those in Toronto or Ottawa.

2. AIDS

To March 11, 1999, 6,502 AIDS cases were reported in Ontario; 6,127 among males and 375 among females. As shown in **Table 2.1**, the proportion comprised by females increased steadily over the course of the epidemic, comprising 18% of cases diagnosed in 1998, the latest year. Also note that the number of AIDS cases diagnosed and reported in 1998 is considerably lower than for previous years.

Table 2.2 presents AIDS cases by exposure category and sex; 73% of cases were diagnosed among MSM and 3.6% among IDUs. Those classified as heterosexual comprised 8% of AIDS diagnoses to date.

Table 2.3 shows AIDS cases by exposure category and year of AIDS diagnosis. The proportion of AIDS cases comprised by MSM has steadily decreased, from 80% to 85% in the first few years (1981 to 1988) to 50% of new AIDS cases in 1998. Conversely, cases among persons from HIV-endemic countries have increased from 2% to 3% of cases from 1981 to 1994 but increased steadily from 5% in 1995 to 17% in 1998.

Tables 2.4 through 2.6 presents AIDS cases and AIDS incidence rates by age group and sex for 1981-1998, 1997 and 1998 respectively. AIDS incidence rates overall were about 18 times higher in men than in women. In men, the highest AIDS incidence rates were observed among those 30-34 years of age whereas peak incidence was 25-29 years in women.

Table 2.7 presents AIDS cases by age group at time of diagnosis and exposure category. 83% of AIDS cases occurred among persons aged 25 to 44 years. Persons with AIDS from transfusion were considerably older than in other exposure categories.

In **Table 2.8**, we present the mean age at AIDS diagnosis for males from 1981 to 1998. Age at AIDS diagnosis increased in the last two years (i.e. 1997 and 1998) among MSM. **Table 2.9** presents similar data among females. Mean age increased in the last two years among women with HIV-endemic or heterosexual exposure.

The proportion of AIDS cases by exposure category and health region is shown in **Table 2.10**. As with HIV, MSM comprised the majority (80%) of AIDS cases in Metro Toronto but a lower proportion in the other health regions.

Tables 2.11 and 2.12 show similar data to Table 2.10 but for 1997 and 1998, respectively. Interestingly, MSM comprised about 50% to 60% of cases in 1998 in all health regions except Northern and Central East, other.

Table 2.13 shows AIDS cases by single and multiple sources of exposure in contrast to mutually exclusive categories classified by an algorithm using a hierarchy of likelihood. Interestingly, approximately 15% of MSM cases were among bisexual men.

Table 2.14 presents the number and percent of AIDS cases by year of diagnosis and health region. All health regions reported fewer AIDS cases after 1995.

Table 2.15 shows AIDS cases and cumulative rates per 100,000 for the 37 health units in Ontario. As expected, rates were highest in Metro Toronto at 162 per 100,000. The next highest rate was observed in Ottawa-Carleton at 71 followed by London at 54, Windsor at 52 and Hamilton at 37. **Table 2.16** shows similar data but by health region rather than public health unit.

3. AIDS-RELATED MORTALITY

AIDS-related deaths to December 20, 1997 were provided by Vital Statistics, Office of the Registrar General.

Table 3.1 presents AIDS-related deaths by year of death and sex. AIDS-related mortality rates declined dramatically among both sexes after 1995, although data for 1997 is not complete.

Table 3.2 presents the number of AIDS-related deaths and mortality rates by age group at time of death and sex. Rates were highest for both sexes among persons aged 30 to 44 years.

Table 3.3 presents mortality rates by health region, sex and year of death. Rates declined among all health regions in later years, especially among males in Metro Toronto. The number of deaths among females in many regions was small, making trends unstable.

Table 3.4 presents AIDS-related deaths by year of death, sex and country of birth (HIV-endemic versus non-HIV-endemic) and **Table 3.5** shows the number and proportion of AIDS-related deaths by year of death and HIV-endemic region of origin. Deaths among persons born in sub-Saharan Africa declined from 1996 to 1997 whereas among persons born in the Caribbean the proportion of deaths in Ontario increased.

4. MOTHER-INFANT TRANSMISSION

Data for this section has been provided by the Ontario HIV Pediatric Network.

To 1998, 281 mother-infant pairs have been identified (**Table 4.1**). Of these, 107 or 42% of the infants have been confirmed HIV-infected. Twenty of the 28 infants for which HIV infection status was pending or unknown were born in 1998. The number of mother-infant pairs appeared to decrease in 1997 compared to earlier and later years.

Table 4.2 shows the distribution of mother-infant pairs by location of institution and exposure category of the mother. The vast majority of cases were from Toronto or Ottawa, with 61% and 27%, respectively. Overall, women from HIV-endemic countries represented 44% of mother-infant pairs of those with known exposure, followed by heterosexual transmission and IDUs. The distribution of exposure categories was similar across regions.

Table 4.3 shows the distribution of mother-infant pairs by location of institution and exposure category of the mother for HIV-infected infants. 62% of infected infants were born to mothers with HIV-endemic exposure compared to 26% with heterosexual exposure. The majority (60%) of infected infants were reported by Toronto.

Table 4.4 shows the number of HIV-infected infants by period of birth and exposure category of the mother. Since 1990, the majority of infected infants were born to mothers from HIV-endemic countries, comprising 72% of cases in the latest period. Infants born to IDU mothers appear to have increased in recent years but the absolute numbers are still small. Infants born to mothers infected through heterosexual transmission other than those from HIV-endemic countries represented 26% overall of infected infants.

Table 4.5 shows the modeled rates of HIV infection in women of childbearing age and of HIV transmission from HIV-infected mothers to infants. HIV prevalence has increased steadily since the late 1970s and especially in the 1990s.

5. HIV MODEL

Table 5.1 shows modeled estimates of the Ontario epidemic from 1978 to 1998. Cumulatively, 24,140 persons were estimated to have been infected with HIV during this period; 13,314 infected persons were diagnosed and living with HIV as of end 1998. HIV prevalence has increased in recent years, with an increase of 6.6% from 1996 to 1997 and 6.2% from 1997 to 1998. The incidence of AIDS and AIDS-related mortality, however, decreased during the same period.

DISCUSSION

In the current review, we examined several sources of data to better understand the course of the HIV epidemics in Ontario since our previous report on data to December 1996. To December 1998, 19,459 HIV infections were diagnosed in Ontario and 6,502 AIDS cases have been reported. The annual number of HIV diagnoses has remained relatively constant for the last three years at about 1,000 new diagnoses per year. However, the proportion constituted by women among new diagnoses in this three-year period continued to rise, from 2% in 1985 to 20% in the past three years.

The incidence of AIDS has declined markedly in the last six years, from a peak of 717 in 1992 to 128 cases in 1998. Since the interval from diagnosis to reporting is often extended and the cut-off for reports of AIDS cases was earlier than in previous analyses, some of the decrease could be artefactual. However, given the extent of the decrease, it is likely to be genuine, reflecting the impact of newer, more effective antiretroviral therapies, including protease inhibitors, available since 1995 and the availability of viral load testing to monitor the effect of drug regimens since late 1996.

We observed that the proportion of AIDS cases among MSM in the outlying areas was considerably higher for AIDS than it was for HIV. This may suggest that MSM travel to the larger health centres to get tested; alternatively, they may undergo testing at a lower rate as those in urban centres.

As with AIDS incidence, AIDS-related mortality has decreased dramatically since 1995 although the decrease began later than for AIDS cases. Unfortunately, AIDS-related mortality data for 1998 is not yet available and the data for 1997 must be considered preliminary. Not only are cases included only to December 20, 1997 but Coroner cases, which take up to six months to be processed, have not yet been included in this database. Thus, we cannot speculate as to the final number of deaths for 1997.

The number of infected mothers identified in Ontario decreased in 1997. We do not have a clear understanding of this; the possibility of under-reporting is currently being investigated. The majority of HIV-infected women who delivered in Ontario in recent years were from HIV-endemic countries in sub-Saharan Africa and the Caribbean. It will be interesting to observe during the next few years the impact of the newly announced program in Ontario to offer HIV prenatal testing to all pregnant women in Ontario announced in December 1998 and implemented in January 1999.

The latest HIV model for Ontario revealed a cumulative total of 24,140 persons infected and 17,870 persons living with HIV as of December 1998. HIV prevalence is now increasing more rapidly than before due to improved prognosis related to more effective therapy with no apparent appreciable decrease in HIV incidence. HIV prevalence increased approximately 6% in 1997 and in 1998. HIV incidence has likely not decreased but declining AIDS incidence and death rates largely related to more effective treatment regimes mean people are living longer with HIV and AIDS. Though not shown in this report, we estimate that over 4,000 HIV-infected persons have not been diagnosed as of December 1998.

The trends in HIV and AIDS for the different exposure categories is revealing. Though men who have sex with men continue to be most affected by the epidemic, both in terms of the absolute number of HIV-infected persons and HIV prevalence rates, several other groups are growing in both relative and absolute importance. Persons from HIV-endemic countries constitute a growing proportion of AIDS cases and mother-infant HIV transmissions. A report providing detailed models on HIV infection in this population is currently in preparation and will be released in November 1999 ². Briefly, the increases in HIV infection in persons from sub-Saharan Africa and the Caribbean has been largely apparent since 1990 and the increases are more dramatic for persons from Africa compared to the Caribbean. Our analyses also revealed that MSM from HIV-endemic countries represent an important group at risk for HIV who have been minimally studied to date. This explains why the male-female ratio is higher than expected for a heterosexually infected population, especially among persons from the Caribbean.

With respect to IDUs, high rates of HIV infection as reflected in the diagnostic database are apparent in Ottawa, Thunder Bay and Sudbury. Data from two studies carried out in Ottawa ³ and eight needle exchange programs throughout Ontario ⁴ re-affirm this observation. Based on various data sources, there appears to have been an explosive HIV epidemic among IDUs in Ottawa in the mid 1990's and possibly also in several northern communities.

Persons infected by heterosexual contact other than those from HIV-endemic countries represent a minority of persons infected to date but this group appears to be growing rapidly. This is evident in the HIV diagnostic database. This group is particularly difficult to monitor as it is constituted mostly by women infected by HIV-infected sexual partners who are bisexual, IDUs and persons from HIV-endemic countries. Further research is required to elucidate the extent, evolution and characteristics of this evolving situation.

In summary, the epidemiology of HIV infection in Ontario is changing and databases such as those analyzed in this report must be followed on a regular basis to continue to monitor the situation.

REFERENCES

1. Remis RS, Major C, Bangura H, Wallace E, Vermeulen M. Report on the HIV/AIDS epidemic in Ontario, 1981-1996. Ontario Ministry of Health, July 1998.
2. Remis RS, Whittingham EP. The HIV/AIDS epidemic among persons from HIV-endemic countries in Ontario, 1981-98: A situation report (in preparation).
3. Leonard L. Personal communication. October 4, 1999.
4. Millson P, Myers T, Calzavara L, et al. Prevalence of HIV and other bloodborne viruses and associated risk behaviours in Ontario injection drug users (IDU). [Technical report] 37 pp. HIV Social, Behavioural and Epidemiological Studies Unit, Faculty of Medicine, University of Toronto, February 1999.

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Table 1.1 Number of first-time HIV diagnoses by year of diagnosis and sex, Ontario, 1985 to 1998

Year of diagnosis	Males		Females		Sex unknown	Total
	Number	Number	% female*	Number	Number	Number
1985	326	6	1.8	3	335	
1986	1,286	28	2.1	51	1,365	
1987	1,465	37	2.5	49	1,551	
1988	1,335	90	6.3	30	1,455	
1989	1,544	113	6.8	54	1,711	
1990	1,832	166	8.3	95	2,093	
1991	1,551	163	9.5	126	1,840	
1992	1,545	164	9.6	120	1,829	
1993	1,259	175	12.2	71	1,505	
1994	1,067	221	17.2	62	1,350	
1995	1,084	222	17.0	61	1,367	
1996	833	186	18.3	62	1,081	
1997	712	190	21.1	74	976	
1998	744	183	19.7	74	1,001	
Total	16,583	1,944	10.5	932	19,459	

* Percent of cases with known sex

Source of data: HIV Laboratory, CPHL

Table 1.2 Number and proportion* of first-time HIV diagnoses by exposure category and sex, Ontario, 1985 to 1998

Exposure category	Males		Females		Sex unknown	Total	
	Number	%	Number	%	Number	Number	%
MSM	6,941	80.9	--	--	0	6,941	72.8
MSM-IDU	215	2.5	--	--	0	215	2.3
IDU	510	5.9	184	20.6	25	719	7.5
Blood product	245	2.9	29	3.2	20	294	3.1
Transfusion	97	1.1	68	7.6	5	170	1.8
HIV-endemic	129	1.5	78	8.7	10	217	2.3
HR hetero	44	0.5	251	28.1	0	295	3.1
LR hetero	306	3.6	187	20.9	0	493	5.2
Perinatal**	91	1.1	97	10.9	4	192	2.0
Unknown	8,005		1,050		868	9,923	
Total	16,583	100.0	1,944	100.0	932	19,459	100.0

* Column percent of cases with known source of exposure

** Includes infants with maternal HIV antibodies who are not infected

Source of data: HIV Laboratory, CPHL

Table 1.3 Number and proportion* of first-time HIV diagnoses by exposure category and sex with unknown exposure category and sex reassigned, Ontario, 1985 to 1998**

Exposure category	Males		Females		Total	
	Number	%	Number	%	Number	%
MSM	12,504	73.2	--	--	12,504	64.4
MSM-IDU	934	5.5	--	--	934	4.8
IDU	1,281	7.5	462	19.7	1,743	9.0
Blood product	299	1.8	35	1.5	334	1.7
Transfusion	256	1.5	179	7.6	435	2.2
HIV-endemic	839	4.9	507	21.6	1,346	6.9
Heterosexual***	736	4.3	921	39.2	1,657	8.5
Perinatal	231	1.4	246	10.5	477	2.5
Total	17,080	100.0	2,350	100.0	19,430	100.0

* Column percent

** Cases with unknown exposure category reassigned according to call-back data and those with unknown sex reassigned according to the distribution of those with known sex (Total differs from Total unadjusted)

*** HR and LR heterosexual combined

Source of data: HIV Laboratory, CPHL

Table 1.4 Number and proportion* of first-time HIV diagnoses by year of diagnosis and exposure category, Ontario, 1985 to 1998

Year	MSM		MSM-IDU		IDU		Blood product		Transfusion		HIV-endemic		HR hetero		LR hetero		Perinatal		Unk	Total
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	No.
1985	166	88.3	5	2.7	1	0.5	10	5.3	5	2.7	0	0.0	1	0.5	0	0.0	0	0.0	147	335
1986	471	88.4	11	2.1	9	1.7	28	5.3	8	1.5	4	0.8	2	0.4	0	0.0	0	0.0	832	1,365
1987	854	86.4	19	1.9	16	1.6	48	4.9	31	3.1	9	0.9	3	0.3	6	0.6	2	0.2	563	1,551
1988	780	79.9	21	2.2	42	4.3	50	5.1	34	3.5	18	1.8	18	1.8	5	0.5	8	0.8	479	1,455
1989	895	82.0	24	2.2	60	5.5	35	3.2	20	1.8	16	1.5	24	2.2	11	1.0	7	0.6	619	1,711
1990	828	78.5	17	1.6	71	6.7	48	4.6	7	0.7	23	2.2	35	3.3	6	0.6	20	1.9	1,038	2,093
1991	427	80.9	6	1.1	36	6.8	16	3.0	1	0.2	14	2.7	15	2.8	5	0.9	8	1.5	1,312	1,840
1992	567	71.9	20	2.5	87	11.0	15	1.9	9	1.1	24	3.0	24	3.0	36	4.6	7	0.9	1,040	1,829
1993	456	64.2	26	3.7	59	8.3	16	2.3	13	1.8	19	2.7	40	5.6	65	9.2	16	2.3	795	1,505
1994	346	56.6	18	2.9	87	14.2	6	1.0	12	2.0	14	2.3	30	4.9	65	10.6	33	5.4	739	1,350
1995	359	57.6	20	3.2	74	11.9	9	1.4	9	1.4	19	3.1	28	4.5	80	12.8	25	4.0	744	1,367
1996	309	55.8	11	2.0	68	12.3	6	1.1	7	1.3	25	4.5	25	4.5	70	12.6	33	6.0	527	1,081
1997	246	54.5	8	1.8	55	12.2	5	1.1	7	1.6	13	2.9	33	7.3	73	16.2	11	2.4	525	976
1998	237	54.1	9	2.1	54	12.3	2	0.5	7	1.6	19	4.3	17	3.9	71	16.2	22	5.0	563	1,001
Total	6,941	72.8	215	2.3	719	7.5	294	3.1	170	1.8	217	2.3	295	3.1	493	5.2	192	2.0	9,923	19,459

* Row percent of cases with known exposure category

Source of data: HIV Laboratory, CPHL

Table 1.5 Number and proportion* of first-time HIV diagnoses by year of diagnosis and exposure category with unknown exposure category reassigned, Ontario, 1985 to 1998**

Year	MSM		MSM-IDU		IDU		Blood product		Transfusion		HIV-endemic		Heterosexual		Perinatal		Total
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.
1985	248	74.0	16	4.8	16	4.8	11	3.3	9	2.7	17	5.1	14	4.2	4	1.2	335
1986	934	68.6	71	5.2	96	7.0	33	2.4	31	2.3	99	7.3	74	5.4	24	1.8	1,362
1987	1,168	75.4	60	3.9	75	4.8	51	3.3	46	3.0	73	4.7	58	3.7	18	1.2	1,549
1988	1,047	72.0	56	3.8	92	6.3	53	3.6	47	3.2	73	5.0	65	4.5	22	1.5	1,455
1989	1,240	72.5	69	4.0	125	7.3	39	2.3	37	2.2	87	5.1	89	5.2	25	1.5	1,711
1990	1,406	67.3	92	4.4	180	8.6	54	2.6	35	1.7	141	6.8	131	6.3	50	2.4	2,089
1991	1,158	63.0	101	5.5	174	9.5	24	1.3	36	2.0	164	8.9	134	7.3	46	2.5	1,837
1992	1,146	62.8	95	5.2	196	10.7	21	1.2	37	2.0	143	7.8	151	8.3	37	2.0	1,826
1993	899	59.8	83	5.5	143	9.5	21	1.4	35	2.3	110	7.3	174	11.6	39	2.6	1,504
1994	758	56.3	71	5.3	165	12.2	10	0.7	32	2.4	98	7.3	159	11.8	54	4.0	1,347
1995	773	56.6	74	5.4	152	11.1	14	1.0	29	2.1	104	7.6	173	12.7	47	3.4	1,366
1996	603	55.9	49	4.5	123	11.4	9	0.8	21	1.9	85	7.9	141	13.1	48	4.4	1,079
1997	538	55.2	46	4.7	110	11.3	8	0.8	21	2.2	73	7.5	152	15.6	26	2.7	974
1998	551	55.2	50	5.0	113	11.3	5	0.5	22	2.2	83	8.3	137	13.7	38	3.8	999
Total	12,469	64.2	933	4.8	1,760	9.1	353	1.8	438	2.3	1,350	6.9	1,652	8.5	478	2.5	19,433

* Row percent

** Cases of unknown exposure category reassigned according to call-back study results (see text)

Source of data: HIV Laboratory, CPHL

Table 1.6 Number and proportion* of first-time HIV diagnoses by age at diagnosis and sex, Ontario, 1985 to 1998

Age group	Males		Females		Sex unknown		Total	
	Number	%	Number	%	Number	%	Number	%
<1	129	0.9	113	6.2	6	1.1	248	1.4
1-14	103	0.7	53	2.9	6	1.1	162	0.9
15-19	156	1.0	63	3.4	3	0.5	222	1.3
20-24	1,176	7.9	238	13.0	39	7.1	1,453	8.4
25-29	2,984	20.0	395	21.5	105	19.1	3,484	20.1
30-34	3,508	23.5	403	22.0	124	22.5	4,035	23.3
35-39	2,819	18.9	244	13.3	109	19.8	3,172	18.3
40-44	1,892	12.7	124	6.8	75	13.6	2,091	12.1
45-49	1,036	6.9	85	4.6	35	6.4	1,156	6.7
50-54	565	3.8	38	2.1	17	3.1	620	3.6
55-59	304	2.0	32	1.7	13	2.4	349	2.0
60+	266	1.8	45	2.5	18	3.3	329	1.9
Unknown	1,645		111		382		2,138	
Total	16,583	100.0	1,944	100.0	932	100.0	19,459	100.0

* Column percent of cases with known age at HIV diagnosis

Source of data: HIV Laboratory, CPHL

Table 1.7 Number and proportion* of first-time HIV diagnoses by age at diagnosis and exposure category, Ontario, 1985 to 1998

Age group	MSM		MSM-IDU		IDU		Blood product		Transfusion		HIV-endemic		HR hetero		LR hetero		Perinatal		Unk	Total
	No.	%	No	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	No.
<1	2	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.5	0	0.0	0	0.0	148	80.9	97	248
1-14	1	0.0	0	0.0	0	0.0	54	20.2	6	4.1	1	0.5	0	0.0	1	0.2	35	19.1	64	162
15-19	53	0.8	5	2.5	14	2.1	30	11.2	4	2.7	6	3.1	12	4.3	15	3.1	0	0.0	83	222
20-24	525	8.3	40	20.1	82	12.1	38	14.2	8	5.5	22	11.3	40	14.5	51	10.7	0	0.0	647	1,453
25-29	1,360	21.4	52	26.1	156	23.0	34	12.7	20	13.7	40	20.5	52	18.8	87	18.2	0	0.0	1,683	3,484
30-34	1,610	25.3	52	26.1	174	25.7	33	12.4	19	13.0	58	29.7	75	27.2	132	27.7	0	0.0	1,882	4,035
35-39	1,193	18.8	26	13.1	160	23.6	17	6.4	17	11.6	26	13.3	29	10.5	65	13.6	0	0.0	1,639	3,172
40-44	803	12.6	12	6.0	54	8.0	8	3.0	18	12.3	14	7.2	27	9.8	58	12.2	0	0.0	1,097	2,091
45-49	425	6.7	8	4.0	23	3.4	17	6.4	10	6.8	12	6.2	17	6.2	33	6.9	0	0.0	611	1,156
50-54	205	3.2	2	1.0	11	1.6	9	3.4	8	5.5	10	5.1	11	4.0	14	2.9	0	0.0	350	629
55-59	101	1.6	1	0.5	3	0.4	14	5.2	12	8.2	3	1.5	6	2.2	15	3.1	0	0.0	194	349
60+	80	1.3	1	0.5	1	0.1	13	4.9	24	16.4	2	1.0	7	2.5	6	1.3	0	0.0	195	329
Unk	583		16		41		27		24		22		19		16		9		1,381	2,138
Total	6,941	100.0	215	100.0	719	100.0	294	100.0	170	100.0	217	100.0	295	100.0	493	100.0	192	100.0	9,923	19,459

* Column percent of cases with known age at diagnosis

Source of data: HIV Laboratory, CPHL

Table 1.8 Mean age at first-time HIV diagnosis by year of diagnosis and exposure category*, males, Ontario, 1985 to 1998

Year	MSM		MSM-IDU		IDU		Blood product		Transfusion		HIV-endemic		HR hetero		LR hetero	
	Mean	n	Mean	n	Mean	n	Mean	n	Mean	n	Mean	n	Mean	n	Mean	n
1985	33.1	105	25.8	5	28.0	1	25.7	6	34.5	4	--	0	--	0	--	0
1986	34.1	427	27.0	11	25.3	6	21.4	25	57.5	2	42.0	2	--	0	--	0
1987	33.8	758	30.1	19	30.6	10	24.7	40	50.1	21	41.3	9	--	0	28.0	3
1988	33.8	709	27.4	17	30.5	23	20.3	45	30.2	15	32.8	10	--	0	27.5	2
1989	34.6	791	28.7	21	29.9	41	28.6	25	39.7	9	35.9	9	39.0	1	39.3	4
1990	34.5	778	29.2	13	30.4	45	33.9	41	35.0	3	37.3	7	--	0	34.3	3
1991	34.8	382	25.8	6	30.5	21	28.3	13	--	0	32.6	7	50.0	1	30.0	1
1992	34.8	541	31.2	17	31.2	63	27.1	8	40.0	4	34.8	13	37.5	2	32.0	26
1993	35.4	433	31.5	26	30.8	39	39.0	9	36.1	8	38.2	13	37.6	5	35.9	45
1994	34.5	335	32.5	17	35.0	63	43.3	3	47.3	7	28.6	7	38.1	8	35.3	41
1995	34.4	350	34.7	20	33.7	50	56.3	4	42.8	5	38.3	8	38.0	5	34.1	50
1996	35.8	292	34.9	11	33.8	41	24.6	5	43.0	2	29.2	14	29.3	6	35.8	44
1997	35.4	234	30.3	8	37.3	36	40.7	3	32.0	2	36.5	10	32.6	8	37.1	34
1998	37.4	223	34.5	8	38.9	39	37.5	2	38.0	1	34.8	9	35.0	6	37.1	44

* Selected exposure categories only

Source of data: HIV Laboratory, CPHL

Table 1.9 Mean age at first-time HIV diagnosis by year of diagnosis and exposure category*, females, Ontario, 1985 to 1998

Year	IDU		Blood product		Transfusion		HIV-endemic		HR hetero		LR hetero	
	Mean	n	Mean	n	Mean	n	Mean	n	Mean	n	Mean	n
1985	--	0	27.5	2	38.0	1	--	0	--	0	--	0
1986	29.0	3	19.0	1	26.0	1	--	0	25.0	2	--	0
1987	27.5	2	23.0	1	64.0	5	--	0	22.5	2	32.0	2
1988	26.4	14	--	0	45.1	12	35.7	3	31.4	15	32.3	3
1989	27.8	10	29.5	2	43.8	9	32.3	3	33.0	22	30.2	6
1990	26.2	18	34.5	2	36.5	4	29.8	13	32.0	32	32.5	2
1991	28.6	8	45.3	3	--	0	30.3	6	27.5	10	37.3	3
1992	30.8	14	26.3	3	39.0	4	31.1	8	32.7	22	36.4	8
1993	29.3	17	40.0	5	28.8	4	17.3	3	35.1	30	26.9	18
1994	29.0	22	38.5	2	42.3	4	31.2	5	33.8	22	34.3	20
1995	34.3	19	48.0	5	33.7	3	30.0	9	35.9	23	33.2	30
1996	32.1	21	--	0	52.0	3	28.7	10	35.2	19	29.2	25
1997	33.3	19	--	0	25.0	4	25.0	1	33.8	25	32.1	37
1998	35.9	11	--	0	33.2	6	32.3	9	32.0	10	33.1	26

* Selected exposure categories only

Source of data: HIV Laboratory, CPHL

Table 1.10 Number and proportion* of first-time HIV diagnoses by exposure category and health region, Ontario, 1985 to 1998

Exposure category	Northern		Ottawa-Carleton		Eastern, other		Metro Toronto		Central East, other		Central West		Southwest		Out of province, unknown		Total	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
MSM	68	34.3	594	55.1	116	45.1	5,335	81.7	167	48.8	226	56.1	361	61.8	74	52.9	6,941	72.8
MSM-IDU	3	1.5	32	3.0	7	2.7	136	2.1	11	3.2	10	2.5	15	2.6	1	0.71	215	2.3
IDU	63	31.8	174	16.1	74	28.8	261	4.0	42	12.3	54	13.4	25	4.3	26	18.6	719	7.5
Blood product	18	9.1	24	2.2	24	9.3	123	1.9	10	2.9	21	5.2	68	11.6	6	4.3	294	3.1
Transfusion	2	1.0	26	2.4	7	2.7	72	1.1	22	6.4	16	4.0	20	3.4	5	3.6	170	1.8
HIV-endemic	6	3.0	78	7.2	3	1.2	101	1.5	7	2.0	9	2.2	10	1.7	3	2.1	217	2.3
HR hetero	15	7.6	41	3.8	11	4.3	136	2.1	26	7.6	23	5.7	38	6.5	5	3.6	295	3.1
LR hetero	16	8.1	81	7.5	10	3.9	251	3.8	51	14.9	29	7.2	37	6.3	18	12.9	493	5.2
Perinatal	7	3.5	28	2.6	5	1.9	119	1.8	6	1.8	15	3.7	10	1.7	2	1.4	192	2.0
Unknown	147		968		213		6,293		449		646		865		342		9,923	
Total	345	100.0	2,046	100.0	470	100.0	12,827	100.0	791	100.0	1,049	100.0	1,449	100.0	482	100.0	19,459	100.0

* Column percent of cases with known source of exposure

Source of data: HIV Laboratory, CPHL

Table 1.11 Number and proportion* of first-time HIV diagnoses by exposure category and health region with unknowns in exposure category and region reassigned, Ontario, 1985 to 1998**

Exposure category	Northern		Ottawa-Carleton		Eastern, other		Metro Toronto		Central East, other		Central West		Southwest		Total	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
MSM	155	43.8	1,162	55.5	241	50.0	9,022	68.7	428	52.8	601	55.9	863	58.2	12,472	64.2
MSM-IDU	14	4.0	105	5.0	23	4.8	613	4.7	45	5.6	58	5.4	80	5.4	938	4.8
IDU	79	22.3	281	13.4	98	20.3	956	7.3	91	11.2	125	11.6	120	8.1	1,750	9.0
Blood product	19	5.4	30	1.4	25	5.2	163	1.2	13	1.6	25	2.3	73	4.9	348	1.8
Transfusion	6	1.7	54	2.6	13	2.7	251	1.9	35	4.3	34	3.2	44	3.0	437	2.2
HIV-endemic	24	6.8	194	9.3	29	6.0	856	6.5	60	7.4	86	8.0	113	7.6	1,362	7.0
Heterosexual	45	12.7	211	10.1	41	8.5	963	7.3	118	14.6	111	10.3	153	10.3	1,642	8.5
Perinatal	12	3.4	58	2.8	12	2.5	311	2.4	20	2.5	35	3.3	36	2.4	484	2.5
Total	354	100.0	2,095	100.0	482	100.0	13,135	100.0	810	100.0	1,075	100.0	1,482	100.0	19,433	100.0
Rate per 100,000	39.0		28.2		6.2		533.4		31.1		50.8		99.8		175.1	

* Column percent

** Cases with unknown exposure category reassigned according to call-back study results and those with unknown region reassigned according to the distribution of those with known region, thus Total number of cases differs from Total unadjusted due to rounding error

Source of data: HIV Laboratory, CPHL; Statistics Canada (1996 census)

Table 1.12 Single and multiple sources of exposure among first-time HIV diagnoses, Ontario, 1985 to 1998

	Number	%*
Men who have sex with men (MSM)	6,285	64.1
MSM/IDU	157	1.6
MSM/IDU/HIV-endemic	4	0.0
MSM/IDU/HIV-endemic/bisexual	0	0.0
MSM/IDU/bisexual	48	0.5
MSM/IDU/transfusion	5	0.1
MSM/blood product	13	0.1
MSM/HIV-endemic	17	0.2
MSM/HIV-endemic/bisexual	6	0.1
MSM/bisexual	450	4.6
MSM/transfusion	24	0.2
MSM and others	147	1.5
SUB-TOTAL	7,156	73.0
IDU	432	4.4
IDU/HIV-endemic	4	0.0
IDU/HIV-endemic/heterosexual	4	0.0
IDU/heterosexual	233	2.4
IDU and others	39	0.4
SUB-TOTAL	712	7.3
Blood product	219	2.2
Blood product/transfusion	52	0.5
Blood product and others	5	0.1
SUB-TOTAL	276	2.8
HIV-endemic	135	1.4
HIV-endemic/heterosexual	67	0.7
HIV-endemic and others	23	0.2
SUB-TOTAL	225	2.3
Heterosexual	1,039	10.6
Heterosexual/transfusion	29	0.3
SUB-TOTAL	1,068	10.9
Transfusion	143	1.5
Transfusion/perinatal	1	0.0
SUB-TOTAL	144	1.5
Perinatal	209	2.1
Occupational	11	0.1
Unknown	9,658	
GRAND TOTAL	19,459	

* Percent of cases with known source of exposure

Source of data: HIV Laboratory, CPHL

Table 1.13 Number of HIV-positive tests (p), number tested (n)* and first-time HIV-positivity rates (%) by exposure category and year of HIV diagnosis, Ontario, 1992 to 1998

Exposure category	Year of HIV diagnosis																							
	1992			1993			1994			1995			1996			1997			1998			Total		
	p	n	%	p	n	%	p	n	%	p	n	%	p	n	%	p	n	%	p	n	%	p	n	%
MSM	567	8800	6.4	456	8951	5.1	346	8586	4.0	359	9163	3.9	309	8997	3.4	246	8361	2.9	237	7805	3.0	2520	60663	4.2
MSM-IDU	20	277	7.2	26	385	6.8	18	383	4.7	20	366	5.5	11	375	2.9	8	308	2.6	9	274	3.3	112	2368	4.7
IDU	87	5447	1.6	59	5915	1.0	87	5218	1.7	74	5708	1.3	68	5910	1.2	55	5483	1.0	54	5596	1.0	484	39277	1.2
Blood product	15	3963	0.4	16	10452	0.2	6	10084	0.1	9	5613	0.2	6	3721	0.2	5	1814	0.3	2	1516	0.1	59	37163	0.2
Transfusion	9	1750	0.5	13	14721	0.1	12	17062	0.1	9	8550	0.1	7	5086	0.1	7	2622	0.3	7	2778	0.3	64	52569	0.1
HIV-endemic	24	1056	2.3	19	922	2.1	14	846	1.7	19	915	2.1	25	904	2.8	13	738	1.8	19	855	2.2	133	6236	2.1
HR hetero	24	6372	0.4	40	7604	0.5	30	7015	0.4	28	8308	0.3	25	9400	0.3	33	7488	0.4	17	6661	0.3	197	52848	0.4
LR hetero	36	35294	0.1	65	54102	0.1	65	53431	0.1	80	63550	0.1	70	72585	0.1	73	69198	0.1	71	70948	0.1	460	419108	0.1
Perinatal	7	95	7.4	16	133	12.0	33	188	17.6	25	194	12.9	33	208	15.9	11	71	15.5	22	67	32.8	147	956	15.4
Unknown	1040	157327	0.7	795	160695	0.5	739	148819	0.5	744	152510	0.5	527	173717	0.3	525	173286	0.3	563	190472	0.3	4933	1156826	0.4
Total	1829	220381	0.8	1505	263880	0.6	1350	251632	0.5	1367	254877	0.5	1081	280903	0.4	976	269369	0.4	1001	286972	0.3	9109	1828014	0.5

* Includes persons who undergo more than one test within the same year

Source of data: HIV Laboratory, CPHL

Table 1.14 Number of first-time HIV diagnoses and cumulative incidence rate per 100,000 by health unit and sex, Ontario, 1985 to 1998

Health unit	Males		Females		Unknown	Total	
	Number	Rate	Number	Rate	Number	Number	Rate
NORTHERN							
Algoma	24	36.9	7	10.6	4	35	26.6
Muskoka	26	56.0	2	4.3	1	29	31.2
North Bay	36	84.2	6	13.5	1	43	49.4
Northwestern	20	43.2	5	11.1	4	29	31.8
Porcupine	7	14.4	4	8.5	1	12	12.5
Sudbury	23	78.5	23	22.0	8	54	54.0
Thunder Bay	21	69.8	21	25.8	2	44	49.1
Timiskaming	4	20.8	1	5.1	0	5	12.9
OTTAWA-CARLETON	1,603	439.4	362	95.7	81	2,046	275.4
EASTERN, OTHER							
Eastern Ontario	16	94.6	16	16.6	7	39	58.9
Hastings-Prince Edward	38	51.8	3	4.0	0	41	27.5
Kingston-Frontenac	196	218.2	28	30.8	26	250	138.3
Leeds-Grenville	40	50.5	7	8.6	0	47	29.3
Renfrew	15	30.3	4	8.0	0	19	19.1
METRO TORONTO							
<i>East York*</i>	--	--	--	--	--	--	--
<i>Etobicoke</i>	137	83.6	46	26.9	32	215	64.2
<i>North York</i>	619	209.6	122	38.9	31	772	126.8
<i>Scarborough</i>	328	118.5	64	22.0	17	409	72.1
<i>Toronto City</i>	10,125	2,982.2	706	202.0	551	11,382	1,651.8
<i>York City</i>	33	45.2	12	15.3	4	49	32.4
<i>Metro Toronto**</i>	11,242	940.7	950	75.0	635	12,827	520.9
CENTRAL EAST, OTHER							
Durham	112	47.7	21	8.8	7	140	29.6
Haliburton	20	23.7	5	5.9	1	26	15.4
Peel	344	78.3	80	18.1	14	438	49.7
Peterborough	31	50.4	4	6.1	0	35	27.6
Simcoe	29	17.2	6	3.5	4	39	11.5
York Region	88	28.9	23	7.5	2	113	18.5
CENTRAL WEST							
Brant	26	42.9	5	8.0	0	31	25.1
Haldimand	11	20.8	0	--	1	12	11.3
Halton	107	61.7	11	6.2	1	119	34.0
Hamilton-Wentworth	393	166.3	58	23.7	27	478	99.3
Niagara	151	74.4	27	12.8	15	193	46.5
Waterloo	89	42.9	13	6.2	2	104	24.9
Wellington-Dufferin	91	81.5	18	16.1	3	112	50.1
SOUTHWEST							
Bruce-Grey-Owen Sound	25	31.9	1	1.3	0	26	16.5
Elgin-St Thomas	11	27.4	4	9.7	1	16	19.7
Huron	9	29.3	2	6.5	1	12	19.4
Kent-Chatham	21	37.9	1	1.8	0	22	19.5
Lambton	18	27.4	0	--	1	19	14.3
Middlesex-London	809	410.4	123	59.6	32	964	238.9
Oxford	10	20.3	4	7.9	0	14	14.0
Perth	20	54.5	2	5.3	0	22	29.7
Windsor-Essex	304	170.7	32	17.5	18	354	98.0
TOTAL	16,583	303.2	1,944	34.5	932	19,459	175.3

* HIV diagnoses unavailable

** Sex-specific populations for each former health unit of Metro Toronto calculated by imputing 1996 census population for Metro Toronto according to the sex-specific distribution among the six cities based on 1991 census

Sources of data: HIV Laboratory, CPHL; Statistics Canada (1996 census)

Table 1.15 Number of HIV-positive tests (p), number tested (n)* and first-time HIV-positivity rates (%) by exposure category and health region, Ontario, 1992 to 1998

Exposure category	Region																										
	Northern			Ottawa-Carleton			Eastern, other			Metro Toronto			Central East, other			Central West			Southwest			Unknown,out of province			Total		
TOTAL**	p	n	%	p	n	%	p	n	%	p	n	%	p	n	%	p	n	%	p	n	%	p	n	%	p	n	%
MSM	31	1638	1.9	232	8899	2.6	52	1748	3.0	1898	34579	5.5	65	2877	2.3	100	3895	2.6	109	4142	2.6	33	2885	1.1	2520	60663	4.2
MSM-IDU	3	143	2.1	23	372	6.2	4	168	2.4	60	825	7.3	7	183	3.8	6	292	2.1	8	219	3.7	1	166	0.6	112	2368	4.7
IDU	53	3630	1.5	148	5018	2.9	54	4613	1.2	139	9730	1.4	29	4086	0.7	35	5403	0.6	13	3726	0.3	13	3071	0.4	484	39277	1.2
Blood product	4	3539	0.1	5	5057	0.1	2	3042	0.1	32	9283	0.3	5	5895	0.1	6	4849	0.1	3	3753	0.1	2	1745	0.1	59	37163	0.2
Transfusion	1	5096	0.0	12	5067	0.2	2	4834	0.0	28	10600	0.3	10	9926	0.1	5	8676	0.1	3	6639	0.0	3	1731	0.2	64	52569	0.1
HIV-endemic	5	252	2.0	41	1759	2.3	3	328	0.9	67	2186	3.1	5	516	1.0	5	548	0.9	5	425	1.2	2	222	0.9	133	6236	2.1
HR hetero	14	5570	0.3	31	5392	0.6	8	3990	0.2	88	13248	0.7	18	7828	0.2	19	8287	0.2	15	5869	0.3	4	2664	0.2	197	52848	0.4
LR hetero	15	28993	0.1	78	67654	0.1	10	28938	0.0	233	114706	0.2	45	64817	0.1	25	50522	0.0	37	46262	0.1	17	17216	0.1	460	419108	0.1
Perinatal	7	47	14.9	22	143	15.4	5	38	13.2	89	513	17.3	4	59	6.8	12	101	11.9	6	45	13.3	2	10	20.0	147	956	15.4
Unknown	92	52499	0.2	593	106144	0.6	136	70770	0.2	2922	477824	0.6	251	163608	0.2	356	128893	0.3	479	110997	0.4	104	46091	0.2	4933	1156826	0.4
Total	225	101407	0.2	1185	205505	0.6	276	118469	0.2	5556	673494	0.8	439	259795	0.2	569	211466	0.3	678	182077	0.4	181	75801	0.2	9109	1828014	0.5

* Includes persons who undergo more than one test within the same year

** Total includes 524 HIV-positive tests (p) and 80 154 tests (n) of unknown sex, which represent 5.8% and 4.4% of the totals, respectively

Source of data: HIV Laboratory, CPHL

Table 1.16 Number of HIV-positive tests (p), number tested (n)* and first-time HIV-positivity rates (%) by exposure category, sex and health region, Ontario, 1992 to 1998

Exposure category	Region																										
	Northern			Ottawa-Carleton			Eastern, other			Metro Toronto			Central East, other		Central West		Southwest		Unknown, out of province		Total						
MALES	p	n	%	p	n	%	p	n	%	p	n	%	p	n	%	p	n	%	p	n	%	p	n	%			
MSM	31	1638	1.9	232	8899	2.6	52	1748	3.0	1898	34579	5.5	65	2877	2.3	100	3895	2.6	109	4142	2.6	33	2885	1.1	2520	60663	4.2
MSM-IDU	3	143	2.1	23	372	6.2	4	168	2.4	60	825	7.3	7	183	3.8	6	292	2.1	8	219	3.7	1	166	0.6	112	2368	4.7
IDU	35	2285	1.5	102	3107	3.3	45	3375	1.3	96	5844	1.6	17	2523	0.7	28	3564	0.8	10	2270	0.4	7	1905	0.4	340	24873	1.4
Blood product	1	1242	0.1	3	1767	0.2	1	1134	0.1	22	4073	0.5	1	2014	0.0	3	1722	0.2	2	1493	0.1	1	832	0.1	34	14277	0.2
Transfusion	0	1647	0.0	4	1771	0.2	1	1628	0.1	12	3840	0.3	7	3303	0.2	3	2858	0.1	3	2083	0.1	1	582	0.2	31	17712	0.2
HIV-endemic	1	145	0.7	22	826	2.7	3	183	1.6	42	1184	3.5	3	284	1.1	4	278	1.4	2	199	1.0	1	97	1.0	78	3196	2.4
HR hetero	4	1209	0.3	9	1050	0.9	1	839	0.1	18	2607	0.7	4	1327	0.3	5	1887	0.3	1	1143	0.1	0	563	0.0	42	10625	0.4
LR hetero	10	12001	0.1	39	28766	0.1	8	13018	0.1	153	50864	0.3	35	27154	0.1	15	21714	0.1	21	18765	0.1	10	6624	0.2	291	178906	0.2
Perinatal	3	22	13.6	10	68	14.7	3	25	12.0	43	267	16.1	3	35	8.6	2	44	4.5	1	18	5.6	1	7	14.3	66	486	13.6
Unknown	60	19811	0.3	415	42552	1.0	94	27257	0.3	2233	216035	1.0	192	62918	0.3	272	54709	0.5	386	43187	0.9	78	16840	0.5	3730	483309	0.8
Total	148	40143	0.4	859	89178	1.0	212	49375	0.4	4577	320118	1.4	334	102618	0.3	438	90963	0.5	543	73519	0.7	133	30501	0.4	7244	796415	0.9
FEMALES	p	n	%	p	n	%	p	n	%	p	n	%	p	n	%	p	n	%	p	n	%	p	n	%			
IDU	15	1240	1.2	41	1788	2.3	6	1080	0.6	37	3516	1.1	9	1435	0.6	7	1716	0.4	3	1341	0.2	6	1118	0.5	124	13234	0.9
Blood product	1	2152	0.0	1	3176	0.0	0	1785	0.0	9	4876	0.2	3	3612	0.1	1	2989	0.0	0	2094	0.0	1	863	0.1	16	21547	0.1
Transfusion	1	3250	0.0	7	3166	0.2	1	3065	0.0	14	6315	0.2	3	6270	0.0	2	5606	0.0	0	4340	0.0	1	1096	0.1	29	33108	0.1
HIV-endemic	4	101	4.0	15	905	1.7	0	131	0.0	21	904	2.3	2	204	1.0	1	252	0.4	3	209	1.4	1	118	0.8	47	2824	1.7
HR hetero	10	4361	0.2	22	4342	0.5	7	3151	0.2	70	10641	0.7	14	6501	0.2	14	6400	0.2	14	4726	0.3	4	2101	0.2	155	42223	0.4
LR hetero	5	16992	0.0	39	38888	0.1	2	15920	0.0	80	63842	0.1	10	37663	0.0	10	28808	0.0	16	27497	0.1	7	10592	0.1	169	240202	0.1
Perinatal	3	23	13.0	11	66	16.7	2	12	16.7	45	234	19.2	0	19	0.0	10	56	17.9	5	25	20.0	1	3	33.3	77	438	17.6
Unknown	20	28991	0.1	135	58470	0.2	23	38967	0.1	375	228392	0.2	46	90239	0.1	49	67192	0.1	58	61890	0.1	18	23728	0.1	724	597869	0.1
Total	59	57110	0.1	271	110801	0.2	41	64111	0.1	651	318720	0.2	87	145943	0.1	94	113019	0.1	99	102122	0.1	39	39619	0.1	1341	951445	0.1

* Includes persons who undergo more than one test within the same year

Source of data: HIV Laboratory, CPH

Table 1.17 Number of HIV-positive tests (p), number tested (n)* and first-time HIV-positivity rates (%) by exposure category and health region, Ontario, 1997

Exposure category	Region																										
	Northern			Ottawa-Carleton			Eastern, other			Metro Toronto			Central East, other			Central West			Southwest			Unknown, out of province			Total		
TOTAL**	p	n	%	p	n	%	p	n	%	p	n	%	p	n	%	p	n	%	p	n	%	p	n	%	p	n	%
MSM	5	251	2.0	19	1397	1.4	3	238	1.3	184	4489	4.1	10	429	2.3	14	576	2.4	9	503	1.8	2	478	0.4	246	8361	3
MSM-IDU	0	16	0.0	1	60	1.7	1	23	4.3	4	90	4.4	1	23	4.3	1	51	2.0	0	24	0.0	0	21	0.0	8	308	2
IDU	3	504	0.6	24	759	3.2	3	642	0.5	12	1274	0.9	4	530	0.8	3	728	0.4	2	490	0.4	4	556	0.7	55	5483	1
Blood product	0	229	0.0	0	203	0.0	0	155	0.0	3	474	0.6	1	257	0.4	1	201	0.5	0	143	0.0	0	152	0.0	5	1814	0
Transfusion	0	233	0.0	3	205	1.5	0	217	0.0	2	624	0.3	1	472	0.2	0	355	0.0	0	365	0.0	1	151	0.7	7	2622	0
HIV-endemic	0	30	0.0	3	200	1.5	1	32	3.1	7	247	2.8	0	69	0.0	1	67	1.5	1	62	1.6	0	31	0.0	13	738	1
HR hetero	2	847	0.2	6	801	0.7	1	566	0.2	14	1771	0.8	0	1067	0.0	6	1190	0.5	2	814	0.2	2	432	0.5	33	7488	0
LR hetero	1	4900	0.0	16	11349	0.1	0	4814	0.0	29	17713	0.2	6	10672	0.1	6	8152	0.1	9	8215	0.1	6	3383	0.2	73	69198	0
Perinatal	2	7	28.6	1	13	7.7	0	3	0.0	5	25	20.0	0	7	0.0	0	9	0.0	2	4	50.0	1	3	33.3	11	71	15
Unknown	20	8147	0.2	70	15156	0.5	11	10077	0.1	292	70743	0.4	22	24329	0.1	49	18767	0.3	48	17237	0.3	13	8830	0.1	525	173286	0
Total	33	15164	0.2	143	30143	0.5	20	16767	0.1	552	97450	34.6	45	37855	0.1	81	30096	0.3	73	27857	0.3	29	14037	0.21	976	269369	25

* Includes persons who undergo more than one test within the same year

** Total includes 74 HIV-positive tests (p) and 13,499 tests (n) of unknown sex, which represent 7.4% and 4.7% of the totals, respectively

Source of data: HIV Laboratory, CPHL

Table 1.18 Number of HIV-positive tests (p), number tested (n)* and first-time HIV-positivity rates (%) by sex, exposure category and health region, Ontario, 1997

Exposure category	Region																										
	Northern			Ottawa-Carleton			Eastern, other			Metro Toronto			Central East, other			Central West			Southwest			Unknown, out of province			Total		
MALES	p	n	%	p	n	%	p	n	%	p	n	%	p	n	%	p	n	%	p	n	%	p	n	%	p	n	%
MSM	5	251	2.0	19	1397	1.4	3	238	1.3	184	4489	4.1	10	429	2.3	14	576	2.4	9	503	1.8	2	478	0.4	246	8361	3.0
MSM-IDU	0	16	0.0	1	60	1.7	1	23	4.3	4	90	4.4	1	23	4.3	1	51	2.0	0	24	0.0	0	21	0.0	8	308	2.6
IDU	3	312	1.0	15	481	3.1	2	437	0.5	7	762	0.9	3	309	1.0	1	481	0.2	2	277	0.7	3	335	0.9	36	3394	1.1
Blood product	0	86	0.0	0	76	0.0	0	63	0.0	3	213	1.4	0	97	0.0	0	80	0.0	0	56	0.0	0	90	0.0	3	761	0.4
Transfusion	0	80	0.0	0	81	0.0	0	75	0.0	1	240	0.4	1	194	0.5	0	141	0.0	0	121	0.0	0	54	0.0	2	986	0.2
HIV-endemic	0	14	0.0	2	93	2.2	1	13	7.7	5	128	3.9	0	35	0.0	1	41	2.4	1	24	4.2	0	15	0.0	10	363	2.8
HR hetero	0	195	0.0	1	175	0.6	0	142	0.0	4	392	1.0	0	212	0.0	2	295	0.7	1	176	0.6	0	98	0.0	8	1685	0.5
LR hetero	1	1881	0.1	7	4698	0.1	0	2019	0.0	15	7546	0.2	3	4281	0.1	3	3343	0.1	3	3179	0.1	3	1212	0.2	35	28159	0.1
Perinatal	1	5	20.0	1	10	10.0	0	2	0.0	2	12	16.7	0	3	0.0	0	4	0.0	0	0	0.0	0	1	0.0	4	37	10.8
Unknown	11	2920	0.4	48	5739	0.8	9	3462	0.3	193	30774	0.6	14	8762	0.2	35	7701	0.5	39	6173	0.6	11	3162	0.3	360	68693	0.5
Total	21	5760	0.4	94	12810	0.7	16	6474	0.2	418	44646	0.9	32	14345	0.2	57	12713	0.4	55	10533	0.5	19	5466	0.3	712	112747	0.6
FEMALES	p	n	%	p	n	%	p	n	%	p	n	%	p	n	%	p	n	%	p	n	%	p	n	%	p	n	%
IDU	0	182	0.0	9	271	3.3	1	191	0.5	5	460	1.1	1	204	0.5	2	226	0.9	0	192	0.00	1	218	0.5	19	1944	1.0
Blood product	0	135	0.0	0	127	0.0	0	85	0.0	0	240	0.0	0	146	0.0	0	114	0.0	0	81	0.0	0	56	0.0	0	984	0.0
Transfusion	0	148	0.0	2	121	1.7	0	135	0.0	1	355	0.3	0	269	0.0	0	208	0.0	0	236	0.0	1	94	1.1	4	1566	0.3
HIV-endemic	0	15	0.0	1	107	0.9	0	17	0.0	0	96	0.0	0	34	0.0	0	23	0.0	0	34	0.0	0	15	0.0	1	341	0.3
HR hetero	2	652	0.3	5	626	0.8	1	424	0.2	10	1379	0.7	0	855	0.0	4	895	0.4	1	638	0.2	2	334	0.6	25	5803	0.4
LR hetero	0	3019	0.0	9	6651	0.1	0	2795	0.0	14	10167	0.1	3	6391	0.0	3	4809	0.1	6	5036	0.1	3	2171	0.1	38	41039	0.1
Perinatal	1	2	50.0	0	1	0.0	0	1	0.0	3	12	25.0	0	4	0.0	0	5	0.0	2	3	66.7	1	2	50.0	7	30	23.3
Unknown	4	4661	0.1	19	9011	0.2	0	6075	0.0	50	34764	0.1	5	14115	0.0	9	10068	0.1	7	9911	0.1	2	5113	0.0	96	93718	0.1
Total	7	8814	0.1	45	16915	0.3	2	9723	0.0	83	47473	0.2	9	22018	0.0	18	16348	0.1	16	16131	0.1	10	8003	0.1	190	145425	0.1

* Includes persons who undergo more than one test within the same year

Source of data: HIV Laboratory, CPHL

Table 1.19 Number of HIV-positive tests (p), number tested (n)* and first-time HIV-positivity rates (%) by exposure category and health region, Ontario, 1998

Exposure category	Region												Total														
	Northern			Ottawa-Carleton			Eastern, other			Metro Toronto				Central East, other			Central West			Southwest			Unknown, out of province				
TOTAL**	p	n	%	p	n	%	p	n	%	p	n	%	p	n	%	p	n	%	p	n	%	p	n	%	p	n	%
MSM	3	243	1.2	37	1212	3.1	6	293	2.0	170	4478	3.8	4	435	0.9	4	552	0.7	13	564	2.3	0	28	0.0	237	7805	3
MSM-IDU	0	24	0.0	4	47	8.5	0	25	0.0	4	73	5.5	0	32	0.0	1	41	2.4	0	31	0.0	0	1	0.0	9	274	3
IDU	9	638	1.4	16	694	2.3	6	796	0.8	13	1392	0.9	2	648	0.3	7	798	0.9	1	589	0.2	0	41	0.0	54	5596	1
Blood product	0	178	0.0	0	142	0.0	0	94	0.0	2	527	0.4	0	247	0.0	0	197	0.0	0	124	0.0	0	7	0.0	2	1516	0
Transfusion	1	310	0.3	2	142	1.4	0	203	0.0	4	876	0.5	0	545	0.0	0	401	0.0	0	283	0.0	0	18	0.0	7	2778	0
HIV-endemic	0	42	0.0	4	173	2.3	1	59	1.7	13	332	3.9	1	107	0.9	0	88	0.0	0	48	0.0	0	6	0.0	19	855	2
HR hetero	3	860	0.3	1	636	0.2	4	546	0.7	1	1615	0.1	5	1061	0.5	1	1122	0.1	1	755	0.1	1	66	1.5	17	6661	0
LR hetero	5	6112	0.1	5	10157	0.0	1	5610	0.0	44	19305	0.2	8	11827	0.1	3	8372	0.0	5	8922	0.1	0	643	0.0	71	70948	0
Perinatal	2	11	18.2	4	6	66.7	2	7	28.6	11	28	39.3	0	5	0.0	2	8	25.0	1	2	50.0	0	0	0.0	22	67	32
Unknown	19	9468	0.2	104	16913	0.6	20	12711	0.2	302	78797	0.4	36	30632	0.1	48	20630	0.2	34	19453	0.2	0	1868	0.0	563	190472	0
Total	42	17886	0.2	177	30122	0.6	40	20344	0.2	564	107423	0.5	56	45539	0.1	66	32209	0.2	55	30771	0.2	1	2678	0.0	1001	286972	0

* Includes persons who undergo more than one test within the same year

** Total includes 74 HIV-positive tests (p) and 13,499 tests (n) of unknown sex, which represent 7.4% and 4.7% of the totals, respectively

Source of data: HIV Laboratory, CPHL

Table 1.20 Number of HIV-positive tests (p), number tested (n)* and first-time HIV-positivity rates (%) by sex, exposure category and health region, Ontario, 1998

Exposure category	Region																													
	Northern			Ottawa-Carleton			Eastern, other			Metro Toronto			Central East, other			Central West			Southwest			Unknown, out of province			Total					
MALES	p	n	%	p	n	%	p	n	%	p	n	%	p	n	%	p	n	%	p	n	%	p	n	%	p	n	%	p	n	%
MSM	3	243	1.2	37	1212	3.1	6	293	2.0	170	4478	3.8	4	435	0.9	4	552	0.7	13	564	2.3	0	28	0.0	237	7805	3.0			
MSM-IDU	0	24	0.0	4	47	8.5	0	25	0.0	4	73	5.5	0	32	0.0	1	41	2.4	0	31	0.0	0	1	0.0	9	274	3.3			
IDU	7	393	1.8	13	436	3.0	6	586	1.0	7	823	0.9	2	409	0.5	6	474	1.3	0	352	0.0	0	25	0.0	41	3498	1.2			
Blood product	0	50	0.0	0	56	0.0	0	32	0.0	2	261	0.8	0	89	0.0	0	76	0.0	0	36	0.0	0	1	0.0	2	601	0.3			
Transfusion	0	115	0.0	1	46	2.2	0	72	0.0	0	344	0.0	0	161	0.0	0	137	0.0	0	93	0.0	0	6	0.0	1	974	0.1			
HIV-endemic	0	25	0.0	2	78	2.6	1	26	3.8	6	162	3.7	0	60	0.0	0	44	0.0	0	21	0.0	0	3	0.0	9	419	2.1			
HR hetero	2	199	1.0	1	136	0.7	1	121	0.8	0	344	0.0	2	201	1.0	0	310	0.0	0	176	0.0	0	12	0.0	6	1499	0.4			
LR hetero	5	2217	0.2	2	4090	0.0	1	2366	0.0	26	8135	0.3	5	4525	0.1	2	3347	0.1	3	3346	0.1	0	246	0.0	44	28272	0.2			
Perinatal	0	3	0.0	2	3	66.7	2	7	28.6	6	16	37.5	0	5	0.0	1	3	33.3	1	1	100.0	0	0	0.0	12	38	31.6			
Unknown	11	2969	0.4	76	5914	1.3	10	4093	0.2	194	30947	0.6	27	9844	0.3	35	8075	0.4	30	6086	0.5	0	557	0.0	383	68485	0.6			
Total	28	6238	0.4	138	12018	1.1	27	7621	0.4	415	45583	0.9	40	15761	0.3	49	13059	0.4	47	10706	0.4	0	879	0.0	744	111865	0.7			
FEMALES	p	n	%	p	n	%	p	n	%	p	n	%	p	n	%	p	n	%	p	n	%	p	n	%	p	n	%	p	n	%
IDU	2	230	0.9	2	239	0.8	0	203	0.0	5	513	1.0	0	225	0.0	1	309	0.3	1	221	0.5	0	13	0.0	11	1953	0.6			
Blood product	0	123	0.0	0	84	0.0	0	58	0.0	0	249	0.0	0	150	0.0	0	120	0.0	0	83	0.0	0	6	0.0	0	873	0.0			
Transfusion	1	186	0.5	1	89	1.1	0	127	0.0	4	492	0.8	0	362	0.0	0	255	0.0	0	180	0.0	0	12	0.0	6	1703	0.4			
HIV-endemic	0	16	0.0	1	92	1.1	0	28	0.0	7	150	4.7	1	43	2.3	0	41	0.0	0	25	0.0	0	3	0.0	9	398	2.3			
HR hetero	1	661	0.2	0	500	0.0	3	425	0.7	1	1271	0.1	3	860	0.3	1	812	0.1	1	579	0.2	1	54	1.9	11	5162	0.2			
LR hetero	0	3895	0.0	3	6067	0.0	0	3244	0.0	18	11170	0.2	3	7302	0.0	1	5025	0.0	2	5576	0.0	0	397	0.0	27	42676	0.1			
Perinatal	1	7	14.3	2	3	66.7	0	0	0.0	5	11	45.5	0	0	0.0	1	5	20.0	0	1	0.0	0	0	0.0	9	27	33.3			
Unknown	4	5832	0.1	24	10342	0.2	3	7999	0.0	59	41279	0.1	9	18715	0.0	8	11299	0.1	3	12125	0.0	0	1225	0.0	110	108816	0.1			
Total	9	10950	0.1	33	17416	0.2	6	12084	0.0	99	55135	0.2	16	27657	0.1	12	17866	0.1	7	18790	0.0	1	1710	0.1	183	161608	0.1			

* Includes persons who undergo more than one test within the same year

Source of data: HIV Laboratory, CPHL

Table 1.21 Number of HIV tests by year of test and sex, Ontario, 1992 to 1998

Year of diagnosis	Males	Females		Sex unknown	Total
	Number	Number	% female*	Number	Number
1992	102,368	104,845	50.6	13,168	220,381
1993	120,662	132,468	52.3	10,750	263,880
1994	112,627	127,618	53.1	11,387	251,632
1995	114,982	130,666	53.2	9,229	254,877
1996	121,164	148,815	55.1	10,924	280,903
1997	112,747	145,425	56.3	11,197	269,369
1998	111,865	161,608	59.1	13,499	286,972
Total	796,415	951,445	54.4	80,154	1,828,014

* Percent of cases with known sex

Source of data: HIV Laboratory, CPHL

Table 1.22 Number of HIV tests (adjusted)* by year of test and testing rate per 1,000, Ontario, 1992 to 1998

Year of diagnosis	Males		Females		Total	
	Number	Rate	Number	Rate	Number	Rate
1992	108,873	20.9	111,508	20.9	220,381	20.9
1993	125,786	23.8	138,094	25.5	263,880	24.7
1994	117,965	22.1	133,667	24.4	251,632	23.2
1995	119,302	22.1	135,575	24.4	254,877	23.2
1996	126,067	23.1	154,836	27.5	280,903	25.3
1997	117,637	21.2	151,732	26.6	269,369	23.9
1998	117,387	20.9	169,585	29.3	286,972	25.2
Total	833,017	22.0	994,997	25.6	1,828,014	23.8

* Cases with unknown sex reassigned according to the sex distribution that year

Source of data: HIV Laboratory, CPHL; Statistics Canada (population estimates)

Table 1.23 Number and proportion* of HIV tests by exposure category and year of test, Ontario, 1992 to 1998

Exposure category	1992		1993		1994		1995		1996		1997		1998		Total	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
MSM	8,800	14.0	8,951	8.7	8,586	8.4	9,163	9.0	8,997	8.4	8,361	8.7	7,805	8.1	60,663	9.0
MSM-IDU	277	0.4	385	0.4	383	0.4	366	0.4	375	0.4	308	0.3	274	0.3	2,368	0.4
IDU	5,447	8.6	5,915	5.7	5,218	5.1	5,708	5.6	5,910	5.5	5,483	5.7	5,596	5.8	39,277	5.9
Blood product	3,963	6.3	10,452	10.1	10,084	9.8	5,613	5.5	3,721	3.5	1,814	1.9	1,516	1.6	37,163	5.5
Transfusion	1,750	2.8	14,721	14.3	17,062	16.6	8,550	8.4	5,086	4.7	2,622	2.7	2,778	2.9	52,569	7.8
HIV-endemic	1,056	1.7	922	0.9	846	0.8	915	0.9	904	0.8	738	0.8	855	0.9	6,236	0.9
HR hetero	6,372	10.1	7,604	7.4	7,015	6.8	8,308	8.1	9,400	8.8	7,488	7.8	6,661	6.9	52,848	7.9
LR hetero	35,294	56.0	54,102	52.4	53,431	52.0	63,550	62.1	72,585	67.7	69,198	72.0	70,948	73.5	419,108	62.4
Perinatal	95	0.2	133	0.1	188	0.2	194	0.2	208	0.2	71	0.1	67	0.1	956	0.1
Unknown	157,327		160,695		148,819		152,510		173,717		173,286		190,472		1,156,826	
Total	220,381	100.0	263,880	100.0	251,632	100.0	254,877	100.0	280,903	100.0	269,369	100.0	286,972	100.0	1,828,014	100.0

* Column percent of cases with known source of exposure

Source of data: HIV Laboratory, CPHL

Table 1.24 Number and proportion* of HIV tests by age group and exposure category, Ontario, 1992 to 1998

Age group	MSM		MSM-IDU		IDU		Blood product		Transfusion		HIV-endemic		HR hetero		LR hetero		Perinatal		Unk	Total
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	No.
<1	24	0.0	1	0.0	24	0.1	59	0.2	26	0.1	23	0.4	24	0.0	178	0.0	371	40.5	2,612	3,342
1-14	191	0.3	1	0.0	212	0.6	3,237	9.1	3,552	7.0	117	2.0	501	1.0	2,052	0.5	544	59.5	19,693	30,100
15-19	2,047	3.5	121	5.3	2,316	6.1	1,423	4.0	1,913	3.8	303	5.1	7,918	15.4	52,133	12.7	0	0.0	83,261	151,435
20-24	7,296	12.5	269	11.7	4,667	12.3	1,391	3.9	1,928	3.8	903	15.3	10,670	20.8	105,132	25.6	0	0.0	174,014	306,270
25-29	11,759	20.1	520	22.6	7,100	18.7	1,970	5.5	2,577	5.1	1,305	22.1	9,234	18.0	82,093	20.0	0	0.0	195,000	311,558
30-34	12,993	22.2	550	24.0	8,888	23.3	3,147	8.9	4,195	8.2	1,063	18.0	8,170	15.9	62,660	15.3	0	0.0	190,895	292,561
35-39	8,738	15.0	394	17.2	7,418	19.5	3,870	10.9	5,637	11.1	814	13.8	6,132	11.9	42,971	10.5	0	0.0	143,432	219,406
40-44	5,935	10.2	239	10.4	4,624	12.1	4,013	11.3	5,362	10.5	500	8.4	4,017	7.8	27,516	6.7	0	0.0	97,092	149,298
45-49	4,201	7.2	114	5.0	1,826	4.8	3,222	9.1	4,754	9.3	361	6.1	2,330	4.5	17,330	4.2	0	0.0	66,980	101,118
50-54	2,454	4.2	57	2.5	574	1.5	2,477	7.0	3,934	7.7	238	4.0	1,212	2.4	8,901	2.2	0	0.0	42,026	61,873
55-59	1,352	2.3	21	0.9	184	0.5	2,423	6.8	3,642	7.1	114	1.9	498	1.0	4,406	1.1	0	0.0	27,142	39,782
60+	1,428	2.4	9	0.4	234	0.6	8,288	23.3	13,478	26.4	177	3.0	658	1.3	4,896	1.2	0	0.0	57,019	86,187
Unk	2,245		72		1,210		1,643		1,571		318		1,484		8,840		41		57,660	75,084
Total	60,663	100.0	2,368	100.0	39,277	100.0	37,163	100.0	52,569	100.0	6,236	100.0	52,848	100.0	419,108	100.0	956	100.0	1,156,826	1,828,014

* Column percent of cases with known age

Source of data: HIV Laboratory, CPHL

Table 1.25 Number and proportion* of HIV tests by year of test and health region, Ontario, 1992 to 1998

Year	Northern		Ottawa-Carleton		Eastern, other		Metro Toronto		Central East, other		Central West		Southwest		Unknown, out of province	Total
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	No.
1992	11,286	5.4	25,284	12.1	11,583	5.5	84,930	40.6	29,426	14.1	25,264	12.1	21,270	10.2	11,338	220,381
1993	14,217	5.7	28,678	11.4	15,678	6.3	95,522	38.1	36,757	14.7	32,338	12.9	27,626	11.0	13,064	263,880
1994	13,390	5.5	28,929	11.9	15,135	6.2	95,794	39.5	36,415	15.0	30,990	12.8	21,891	9.0	9,088	251,632
1995	14,047	5.8	31,044	12.8	18,855	7.7	90,651	37.2	33,722	13.9	29,650	12.2	25,451	10.5	11,457	254,877
1996	15,417	5.8	31,305	11.7	20,107	7.5	101,724	38.1	40,081	15.0	30,919	11.6	27,211	10.2	14,139	280,903
1997	15,164	5.9	30,143	11.8	16,767	6.6	97,450	38.2	37,855	14.8	30,096	11.8	27,857	10.9	14,037	269,369
1998	17,886	6.3	30,122	10.6	20,344	7.2	107,423	37.8	45,539	16.0	32,209	11.3	30,771	10.8	2,678	286,972
Total	101,407	5.8	205,505	11.7	118,469	6.8	673,494	38.4	259,795	14.8	211,466	12.1	182,077	10.4	75,801	1,828,014

* Row percent of cases with known region of residence

Source of data: HIV Laboratory, CPHL

Table 1.26 Number of HIV tests and rate per 1,000 by year of test and health region, Ontario, 1992 to 1998

Year	Northern		Ottawa-Carleton		Eastern, other		Metro Toronto		Central East, other		Central West		Southwest		Total*	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
1992	11,286	12.4	25,284	35.5	11,583	15.3	84,930	36.1	29,426	12.5	25,264	12.4	21,270	14.7	209,043	19.8
1993	14,217	15.6	28,678	39.6	15,678	20.5	95,522	40.4	36,757	15.2	32,338	15.8	27,626	19.0	250,816	23.5
1994	13,390	14.7	28,929	39.6	15,135	19.6	95,794	40.0	36,415	14.7	30,990	15.0	21,891	14.9	242,544	22.4
1995	14,047	15.5	31,044	42.1	18,855	24.3	90,651	37.3	33,722	13.3	29,650	14.2	25,451	17.3	243,420	22.2
1996	15,417	17.0	31,305	42.1	20,107	25.7	101,724	41.3	40,081	15.4	30,919	14.6	27,211	18.3	266,764	24.0
1997	15,164	16.8	30,143	40.2	16,767	21.4	97,450	39.1	37,855	14.1	30,096	14.0	27,857	18.6	255,332	22.7
1998	17,886	19.8	30,122	39.8	20,344	25.8	107,423	42.6	45,539	16.5	32,209	14.8	30,771	20.4	284,294	24.9
Total	101,407		205,505		118,469		673,494		259,795		211,466		182,077		1,752,213	

* Cases with known region of residence only

Source of data: HIV Laboratory, CPHL

Table 2.1 Number of AIDS cases by year of diagnosis and sex, Ontario, 1981 to 1998

Year of diagnosis	Males		Females		Total
	Number	Number	% female*	Number	
1981	1	1	50.0	2	
1982	7	0	0.0	7	
1983	19	0	0.0	19	
1984	57	0	0.0	57	
1985	158	2	1.3	160	
1986	274	6	2.1	280	
1987	425	18	4.1	443	
1988	452	21	4.4	473	
1989	540	24	4.3	564	
1990	609	31	4.8	640	
1991	568	36	6.0	604	
1992	680	37	5.2	717	
1993	658	38	5.5	696	
1994	567	40	6.6	607	
1995	513	42	7.6	555	
1996	320	32	9.1	352	
1997	174	24	12.1	198	
1998	105	23	18.0	128	
Total	6,127	375	5.8	6,502	

* Row percent

Source of data: Ontario AIDS Surveillance Program (cases reported to March 11, 1999)

Table 2.2 Number and proportion* of AIDS cases by exposure category and sex, Ontario, 1981 to 1998

Exposure category	Males		Females		Total	
	No.	%	No.	%	No.	%
MSM	4,775	77.9	--	--	4,775	73.4
MSM-IDU	267	4.4	--	--	267	4.1
IDU	183	3.0	52	13.9	235	3.6
HIV-endemic	171	2.8	87	23.2	258	4.0
Heterosexual	362	5.9	158	42.1	520	8.0
Clotting factor	74	1.2	4	1.1	78	1.2
Transfusion	62	1.0	39	10.4	101	1.6
Perinatal	18	0.3	18	4.8	36	0.6
Occupational	1	0.0	1	0.3	2	0.0
NIR	214	3.5	16	4.3	230	3.5
Total	6,127	100.0	375	100.0	6,502	100.0

* Column percent

Source of data: Ontario AIDS Surveillance Program (cases reported to March 11, 1999)

Table 2.3 Number (and proportion)* of AIDS cases by exposure category and year of AIDS diagnosis, Ontario, 1981 to 1998

Exposure category	Year of AIDS diagnosis																Total
	<1984	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	
MSM	22 (78.6)	47 (82.5)	137 (85.6)	234 (83.6)	353 (79.7)	377 (79.7)	434 (77.0)	485 (75.6)	459 (76.0)	510 (71.1)	506 (72.7)	446 (73.5)	375 (67.6)	215 (61.1)	111 (56.1)	64 (50.0)	4,775 (73.4)
MSM-IDU	2 (7.1)	3 (5.3)	4 (2.5)	9 (3.2)	18 (4.1)	19 (4.0)	22 (3.9)	21 (3.3)	20 (3.3)	33 (4.6)	33 (4.7)	29 (4.8)	27 (4.9)	17 (4.8)	7 (3.5)	3 (2.3)	267 (4.1)
IDU	0	0	1 (0.6)	3 (1.1)	11 (2.5)	6 (1.3)	21 (3.7)	17 (2.7)	18 (3.0)	35 (4.9)	25 (3.6)	22 (3.6)	26 (4.7)	29 (8.2)	9 (4.5)	12 (9.4)	235 (3.6)
HIV-endemic	2 (7.1)	1 (1.8)	4 (2.5)	7 (2.5)	7 (1.6)	9 (1.9)	22 (3.9)	19 (3.0)	14 (2.3)	24 (3.3)	24 (3.4)	19 (3.1)	28 (5.0)	32 (9.1)	24 (12.1)	22 (17.2)	258 (4.0)
Heterosexual	0	3 (5.3)	2 (1.3)	4 (1.4)	18 (4.1)	33 (7.0)	37 (6.6)	56 (8.8)	39 (6.5)	61 (8.5)	69 (9.9)	56 (9.2)	60 (10.8)	35 (9.9)	28 (14.1)	19 (14.8)	520 (8.0)
Clotting factor	1 (3.6)	0	4 (2.5)	4 (1.4)	7 (1.6)	7 (1.5)	2 (0.4)	12 (1.9)	11 (1.8)	9 (1.3)	7 (1.0)	3 (0.5)	7 (1.3)	3 (0.9)	1 (0.5)	0	78 (1.2)
Transfusion	0	0	3 (1.9)	10 (3.6)	18 (4.1)	10 (2.1)	6 (1.1)	8 (1.3)	11 (1.8)	10 (1.4)	3 (0.4)	4 (0.7)	7 (1.3)	4 (1.1)	6 (3.0)	1 (0.8)	101 (1.6)
Perinatal	0	0	0	0	2 (0.5)	3 (0.6)	2 (0.4)	1 (0.2)	3 (0.5)	6 (0.8)	5 (0.7)	1 (0.2)	6 (1.1)	3 (0.9)	3 (1.5)	1 (0.8)	36 (0.6)
Occupational	0	0	0	0	0	1 (0.2)	1 (0.2)	0	0	0	0	0	0	0	0	0	2 (0.0)
NIR	1 (3.6)	3 (5.3)	5 (3.1)	9 (3.2)	9 (2.0)	8 (1.7)	17 (3.0)	21 (3.3)	29 (4.8)	29 (4.0)	24 (3.4)	27 (4.4)	19 (3.4)	14 (4.0)	9 (4.5)	6 (4.7)	230 (3.5)
Total	28	57	160	280	443	473	564	640	604	717	696	607	555	352	198	128	6,502

* Column percent

Source of data: Ontario AIDS Surveillance Program (cases reported to March 11, 1999)

Table 2.4 Number of AIDS cases and cumulative incidence rate per 100,000 by age at diagnosis and sex, Ontario, 1981 to 1998

Age group (years)	Males		Females		Total	
	Number	Rate	Number	Rate	Number	Rate
<15	35	3.0	26	2.4	61	2.7
15-19	34	9.2	7	2.0	41	5.7
20-24	376	99.4	29	7.9	405	54.2
25-29	1,005	243.9	85	20.5	1,090	131.9
30-34	1,369	273.5	85	17.2	1,454	146.2
35-39	1,221	251.9	48	9.8	1,269	130.4
40-44	914	214.7	28	6.4	942	108.9
45-49	558	142.5	19	4.8	577	73.0
50-54	277	91.7	10	3.3	287	47.2
55-59	178	72.0	11	4.3	189	37.7
60+	160	20.0	27	2.7	187	10.3
Total	6,127	112.0	375	6.7	6,502	58.6

Sources of data: Ontario AIDS Surveillance Program (cases reported to March 11, 1999); Statistics Canada (1996 census)

Table 2.5 Number of AIDS cases and incidence rate per 100,000 by age at diagnosis and sex, Ontario, 1997

Age group (years)	Males		Females		Total	
	Number	Rate	Number	Rate	Number	Rate
<15	4	0.35	0	0.0	4	0.18
15-19	1	0.27	0	0.0	1	0.14
20-24	9	2.4	1	0.27	10	1.3
25-29	22	5.3	6	1.4	28	3.4
30-34	43	8.6	7	1.4	50	5.0
35-39	26	5.4	3	0.61	29	3.0
40-44	22	5.2	2	0.45	24	2.8
45-49	16	4.1	3	0.75	19	2.4
50-54	9	3.0	0	0.0	9	1.5
55-59	12	4.9	0	0.0	12	2.4
60+	10	1.3	2	0.20	12	0.66
Total	174	3.2	24	0.43	198	1.8

Sources of data: Ontario AIDS Surveillance Program (cases reported to March 11, 1999); Statistics Canada (1996 census)

Table 2.6 Number of AIDS cases and incidence rate per 100,000 by age at diagnosis and sex, Ontario, 1998

Age group (years)	Males		Females		Total	
	Number	Rate	Number	Rate	Number	Rate
<15	0	0.0	1	0.09	1	0.04
15-19	0	0.0	2	0.57	2	0.28
20-24	6	1.6	1	0.27	7	0.94
25-29	9	2.2	3	0.72	12	1.5
30-34	20	4.0	3	0.61	23	2.3
35-39	21	4.3	4	0.82	25	2.6
40-44	14	3.3	3	0.68	17	2.0
45-49	21	5.4	3	0.75	24	3.0
50-54	9	3.0	1	0.33	10	1.6
55-59	3	1.2	1	0.39	4	0.80
60+	2	0.25	1	0.10	3	0.17
Total	105	1.9	23	0.41	128	1.2

Sources of data: Ontario AIDS Surveillance Program (cases reported to March 11, 1999); Statistics Canada (1996 census)

Table 2.7 Number (and proportion)* of AIDS cases by age at diagnosis and exposure category, Ontario, 1981 to 1998

Age group (years)	MSM	MSM-IDU	IDU	HIV-endemic	Hetero-sexual	Clotting factor	Transfusion	Perinatal	Occupational	NIR	Total
< 15	0	0	0	0	0	7 (9.0)	11 (10.9)	36 (100.0)	0	7 (3.0)	61 (0.9)
15-19	16 (0.3)	4 (1.5)	4 (1.7)	1 (0.4)	7 (1.3)	7 (9.0)	1 (1.0)	0	0	1 (0.4)	41 (0.6)
20-24	274 (5.7)	34 (12.7)	29 (12.3)	13 (5.0)	27 (5.2)	14 (17.9)	5 (5.0)	0	0	9 (3.9)	405 (6.2)
25-29	777 (16.3)	68 (25.5)	54 (23.0)	51 (19.8)	86 (16.5)	9 (11.5)	9 (8.9)	0	0	36 (15.7)	1,090 (16.8)
30-34	1,105 (23.1)	66 (24.7)	70 (29.8)	61 (23.6)	97 (18.7)	9 (11.5)	8 (7.9)	0	0	38 (16.5)	1,454 (22.4)
35-39	1,009 (21.1)	41 (15.4)	37 (15.7)	57 (22.1)	78 (15.0)	6 (7.7)	8 (7.9)	0	0	33 (14.3)	1,269 (29.5)
40-44	733 (15.4)	30 (11.2)	25 (10.6)	34 (13.2)	71 (13.7)	8 (10.3)	6 (5.9)	0	1 (50.0)	34 (14.8)	942 (14.5)
45-49	445 (9.3)	14 (5.2)	9 (3.8)	15 (5.8)	58 (11.1)	7 (9.0)	6 (5.9)	0	0	23 (10.0)	577 (8.9)
50-54	201 (4.2)	5 (1.9)	5 (2.1)	15 (5.8)	30 (5.8)	1 (1.3)	11 (10.9)	0	0	19 (8.3)	287 (4.4)
55-59	129 (2.7)	3 (1.1)	0	4 (1.6)	32 (6.2)	3 (3.8)	9 (8.9)	0	0	9 (3.9)	189 (2.9)
60+	86 (1.8)	2 (0.8)	2 (0.9)	7 (2.7)	34 (6.5)	7 (9.0)	27 (26.7)	0	1 (50.0)	21 (9.1)	187 (2.9)
Total	4,775	267	235	258	520	78	101	36	2	230	6,502

* Column percent

Source of data: Ontario AIDS Surveillance Program (cases reported to March 11, 1999)

Table 2.8 Mean age (years) at AIDS diagnosis by year of diagnosis and exposure category, males, Ontario, 1981 to 1998

Year	MSM		MSM-IDU		IDU		HIV-endemic		Heterosexual		Clotting factor		Transfusion	
	Mean	n	Mean	n	Mean	n	Mean	n	Mean	n	Mean	n	Mean	n
1981	42.0	1	--	0	--	0	--	0	--	0	--	0	--	0
1982	33.7	7	--	0	--	0	--	0	--	0	--	0	--	0
1983	36.4	14	37.0	2	--	0	52.0	1	--	0	24.0	1	--	0
1984	39.3	47	27.0	3	--	0	34.0	1	34.3	3	--	0	--	0
1985	36.8	137	32.8	4	29.0	1	32.5	2	49.5	2	37.8	4	59.3	3
1986	37.0	234	29.2	9	32.5	2	34.5	6	50.0	3	17.0	3	38.2	9
1987	37.8	353	34.6	18	36.1	10	41.3	4	40.8	14	31.2	6	59.1	10
1988	36.7	377	32.7	19	30.7	3	37.0	7	44.5	23	30.7	7	38.0	6
1989	36.2	434	32.5	22	29.1	19	37.6	16	41.5	26	26.5	2	27.0	3
1990	37.0	485	32.1	21	29.4	14	33.7	12	38.8	40	35.7	12	37.5	4
1991	37.0	459	32.4	20	34.3	13	37.1	8	40.7	25	42.3	10	33.2	5
1992	36.2	510	33.4	33	34.5	28	38.1	15	39.6	47	28.4	8	42.3	8
1993	36.6	506	33.0	33	33.0	20	38.2	18	41.0	47	35.9	7	30.5	2
1994	36.2	446	31.4	29	32.2	17	36.7	10	36.9	36	35.3	3	38.3	3
1995	35.3	375	34.1	27	35.7	19	40.5	22	42.5	41	28.4	7	58.0	2
1996	35.5	215	31.5	17	34.2	23	36.0	20	41.5	25	24.7	3	50.3	3
1997	38.6	111	33.3	7	33.9	7	39.2	16	42.6	17	10.0	1	46.3	3
1998	40.2	64	31.0	3	36.6	7	35.8	13	41.2	13	--	0	47.0	1
Total	36.6	4,775	32.6	267	33.3	183	37.5	171	40.7	362	32.4	74	43.6	62

Source of data: Ontario AIDS Surveillance Program (cases reported to March 11, 1999)

Table 2.9 Mean age (years) at AIDS diagnosis by year of diagnosis and exposure category, females, Ontario, 1981 to 1998

Year	IDU		HIV-endemic		Heterosexual		Clotting factor		Transfusion	
	Mean	n	Mean	n	Mean	n	Mean	n	Mean	n
1981	--	0	52.0	1	--	0	--	0	--	0
1982	--	0	--	0	---	0	--	0	--	0
1983	--	0	--	0	--	0	--	0	--	0
1984	--	0	--	0	--	0	--	0	--	0
1985	--	0	44.0	2	--	0	--	0	--	0
1986	17.0	1	29.0	1	50.0	1	56.0	1	12.0	1
1987	32.0	1	34.7	3	27.5	4	24.0	1	53.8	8
1988	29.3	3	31.5	2	30.4	10	--	0	65.3	4
1989	32.0	2	32.2	6	39.5	11	--	0	48.0	3
1990	33.3	3	32.4	7	38.1	16	--	0	38.3	4
1991	31.0	5	33.8	6	36.1	14	61.0	1	38.5	6
1992	29.1	7	32.1	9	33.9	14	75.0	1	50.5	2
1993	27.8	5	33.3	6	32.9	22	--	0	68.0	1
1994	27.4	5	35.8	9	36.4	20	--	0	51.0	1
1995	29.1	7	27.7	6	34.9	19	--	0	33.8	5
1996	33.5	6	32.4	12	34.7	10	--	0	24.0	1
1997	26.0	2	33.0	8	38.7	11	--	0	46.7	3
1998	27.8	5	40.7	9	41.7	6	--	0	--	0
Total	29.5	52	34.0	87	35.6	158	54.0	4	45.7	39

Source of data: Ontario AIDS Surveillance Program (cases reported to March 11, 1999)

Table 2.10 Number and proportion* of AIDS cases by exposure category and health region, Ontario, 1981 to 1998

Exposure category	Northern		Ottawa-Carleton		Eastern, other		Metro Toronto		Central East, other		Central West		Southwest		Total	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
MSM	96	59.3	348	66.0	86	49.7	3,216	80.5	306	54.7	373	66.3	350	67.1	4,775	73.4
MSM-IDU	13	8.0	14	2.7	11	6.4	166	4.2	16	2.9	21	3.7	26	5.0	267	4.1
IDU	14	8.6	25	4.7	25	14.5	99	2.5	26	4.7	27	4.8	19	3.6	235	3.6
HIV-endemic	7	4.3	46	8.7	1	0.6	159	4.0	18	3.2	18	3.2	9	1.7	258	4.0
Heterosexual	12	7.4	40	7.6	13	7.5	236	5.9	101	18.1	64	11.4	54	10.3	520	8.0
Clotting factor	9	5.6	13	2.5	8	4.6	8	0.2	17	3.0	11	2.0	12	2.3	78	1.2
Transfusion	7	4.3	7	1.3	9	5.2	26	0.7	32	5.7	11	2.0	9	1.7	101	1.6
Perinatal	0	0.0	6	1.1	1	0.6	21	0.5	3	0.5	3	0.5	2	0.4	36	0.6
Occupational	0	0.0	1	0.2	0	0.0	1	0.0	0	0.0	0	0.0	0	0.0	2	0.0
NIR	4	2.5	27	5.1	19	11.0	64	1.6	40	7.2	35	6.2	41	7.9	230	3.5
Total	162	100.0	527	100.0	173	100.0	3,996	100.0	559	100.0	563	100.0	522	100.0	6,502	100.0

* Column percent

Source of data: Ontario AIDS Surveillance Program (cases reported to March 11, 1999)

Table 2.11 Number and proportion* of AIDS cases by exposure category and health region, Ontario, 1997

Exposure category	Northern		Ottawa-Carleton		Eastern, other		Metro Toronto		Central East, other		Central West		Southwest		Total	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
MSM	3	75.0	7	50.0	3	42.9	74	63.8	7	36.8	13	54.2	4	28.6	111	56.1
MSM-IDU	1	25.0	2	14.3	1	14.3	2	1.7	0	0.0	0	0.0	1	7.1	7	3.5
IDU	0	0.0	2	14.3	1	14.3	5	4.3	1	5.3	0	0.0	0	0.0	9	4.5
HIV-endemic	0	0.0	1	7.1	0	0.0	15	12.9	3	15.8	3	12.5	2	14.3	24	12.1
Heterosexual	0	0.0	1	7.1	0	0.0	12	10.3	4	21.1	5	20.8	6	42.9	28	14.1
Clotting factor	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	4.2	0	0.0	1	0.5
Transfusion	0	0.0	0	0.0	0	0.0	2	1.7	2	10.5	2	8.3	0	0.0	6	3.0
Perinatal	0	0.0	0	0.0	0	0.0	2	1.7	1	5.3	0	0.0	0	0.0	3	1.5
Occupational	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
NIR	0	0.0	1	7.1	2	28.6	4	3.4	1	5.3	0	0.0	1	7.1	9	4.5
Total	4	100.0	14	100.0	7	100.0	116	100.0	19	100.0	24	100.0	14	100.0	198	100.0

* Column percent

Source of data: Ontario AIDS Surveillance Program (cases reported to March 11, 1999)

Table 2.12 Number and proportion* of AIDS cases by exposure category and health region, Ontario, 1998

Exposure category	Northern		Ottawa-Carleton		Eastern, other		Metro Toronto		Central East, other		Central West		Southwest		Total	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
MSM	0	0.0	8	53.3	1	50.0	38	53.5	4	36.4	8	50.0	5	62.5	64	50.0
MSM-IDU	0	0.0	0	0.0	0	0.0	2	2.8	1	9.1	0	0.0	0	0.0	3	2.3
IDU	3	60.0	1	6.7	0	0.0	4	5.6	0	0.0	2	12.5	2	25.0	12	9.4
HIV-endemic	0	0.0	5	33.3	1	50.0	13	18.3	3	27.3	0	0.0	0	0.0	22	17.2
Heterosexual	2	40.0	1	6.7	0	0.0	10	14.1	2	18.2	3	18.8	1	12.5	19	14.8
Clotting factor	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Transfusion	0	0.0	0	0.0	0	0.0	1	1.4	0	0.0	0	0.0	0	0.0	1	0.8
Perinatal	0	0.0	0	0.0	0	0.0	1	1.4	0	0.0	0	0.0	0	0.0	1	0.8
Occupational	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
NIR	0	0.0	0	0.0	0	0.0	2	2.8	1	9.1	3	18.8	0	0.0	6	4.7
Total	5	100.0	15	100.0	2	100.0	71	100.0	11	100.0	16	100.0	8	100.0	128	100.0

* Column percent

Source of data: Ontario AIDS Surveillance Program (cases reported to March 11, 1999)

Table 2.13 Single and multiple sources of exposure among Ontario AIDS cases, 1981 to 1998

	Number	%
MSM	3,828	58.9
MSM/IDU	173	2.7
MSM/IDU/bisexual	76	1.2
MSM/IDU/others	14	0.2
MSM/clotting factor	9	0.1
MSM/clotting factor/other	1	0.0
MSM/endemic	107	1.7
MSM/endemic/bisexual	61	0.9
MSM/bisexual	614	9.4
MSM/bisexual/transfusion	17	0.3
MSM/bisexual/transfusion/occupational	0	0.0
MSM/bisexual/occupational	5	0.1
MSM/transfusion	84	1.3
MSM/occupational	53	0.8
Sub-total	5,042	77.6
IDU	94	1.5
IDU/endemic/heterosexual other	21	0.3
IDU/heterosexual other	119	1.8
IDU and others	1	0.0
Sub-total	235	3.6
Clotting factor	79	1.2
Clotting factor/heterosexual other	16	0.3
Clotting factor/heterosexual other/transfusion	7	0.1
Clotting factor/heterosexual other/transfusion/occupational	0	0.0
Clotting factor/transfusion	8	0.1
Sub-total	110	1.7
Endemic	79	1.2
Endemic/heterosexual other	165	2.5
Endemic and others	14	0.2
Sub-total	258	4.0
Heterosexual other	435	6.7
Heterosexual other/transfusion	52	0.8
Heterosexual other/transfusion/occupational	4	0.1
Heterosexual other/occupational	7	0.1
Sub-total	498	7.7
Transfusion	92	1.4
Transfusion/occupational	1	0.0
Sub-total	93	1.4
Perinatal	36	0.6
Occupational	2	0.0
No identified risk (NIR)	228	3.5
Total	6,502	

Source of data: Ontario AIDS Surveillance Program (cases reported to March 11, 1999)

Table 2.14 Number and proportion* of AIDS cases by health region and year of diagnosis, Ontario, 1981 to 1998

Year of diagnosis	Northern		Ottawa-Carleton		Eastern, other		Metro Toronto		Central East, other		Central West		Southwest		Total	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
< 1984	2	1.2	3	0.6	1	0.6	15	0.4	0	0.0	4	0.7	3	0.6	28	0.4
1984	0	0.0	1	0.2	1	0.6	46	1.2	2	0.4	3	0.5	4	0.8	57	0.9
1985	1	0.6	15	2.8	4	2.3	104	2.6	11	2.0	10	1.8	15	2.9	160	2.5
1986	12	7.4	15	2.8	7	4.0	169	4.2	31	5.5	21	3.7	25	4.8	280	4.3
1987	13	8.0	39	7.4	11	6.4	270	6.8	45	8.1	32	5.7	33	6.3	443	6.8
1988	11	6.8	33	6.3	14	8.1	287	7.2	57	10.2	33	5.9	38	7.3	473	7.3
1989	13	8.0	61	11.6	15	8.7	342	8.6	42	7.5	43	7.6	48	9.2	564	8.7
1990	14	8.6	51	9.7	19	11.0	391	9.8	56	10.0	59	10.5	50	9.6	640	9.8
1991	15	9.3	75	14.2	14	8.1	335	8.4	51	9.1	52	9.2	62	11.9	604	9.3
1992	22	13.6	60	11.4	24	13.9	439	11.0	47	8.4	73	13.0	52	10.0	717	11.0
1993	16	9.9	45	8.5	12	6.9	437	10.9	69	12.3	64	11.4	53	10.2	696	10.7
1994	13	8.0	48	9.1	13	7.5	385	9.6	51	9.1	44	7.8	53	10.2	607	9.3
1995	17	10.5	29	5.5	22	12.7	363	9.1	38	6.8	49	8.7	37	7.1	555	8.5
1996	4	2.5	23	4.4	7	4.0	226	5.7	29	5.2	36	6.4	27	5.2	352	5.4
1997	4	2.5	14	2.7	7	4.0	116	2.9	19	3.4	24	4.3	14	2.7	198	3.0
1998	5	3.1	15	2.8	2	1.2	71	1.8	11	2.0	16	2.8	8	1.5	128	2.0
Total	162	100.0	527	100.0	173	100.0	3,996	100.0	559	100.0	563	100.0	522	100.0	6,502	100.0

* Column percent

Source of data: Ontario AIDS Surveillance Program (cases reported to March 11, 1999)

Table 2.15 Number of AIDS cases and cumulative incidence rate per 100,000 by health unit and sex, Ontario, 1981 to 1998

Health unit	Males		Females		Total	
	Number	Rate	Number	Rate	Number	Rate
NORTHERN						
Algoma	11	16.9	2	3.0	13	9.9
Muskoka	13	28.0	1	2.1	14	15.0
North Bay	22	51.4	1	2.3	23	26.4
Northwestern	4	8.6	2	4.4	6	6.6
Porcupine	7	14.4	3	6.3	10	10.4
Sudbury	58	56.2	1	0.96	59	28.4
Thunder Bay	25	30.6	4	4.9	29	17.8
Timiskaming	7	36.3	1	5.1	8	20.6
OTTAWA-CARLETON	481	131.8	46	12.2	527	70.9
EASTERN, OTHER						
Eastern Ontario	25	26.3	3	3.1	28	14.6
Hastings-Prince Edward	43	58.6	2	2.6	45	30.2
Kingston-Frontenac	54	60.1	6	6.6	60	33.2
Leeds-Grenville	25	31.6	2	2.5	27	16.8
Renfrew	10	20.2	3	6.0	13	13.1
METRO TORONTO						
<i>East York</i>	123	236.6	2	3.4	125	112.7
<i>Etobicoke</i>	139	84.9	12	7.0	151	45.1
<i>North York</i>	194	65.7	34	10.8	228	37.4
<i>Scarborough</i>	189	68.3	26	9.0	215	37.9
<i>Toronto City</i>	3,097	912.2	66	18.9	3,163	459.0
<i>York City</i>	99	135.7	15	19.1	114	75.3
<i>Metro Toronto*</i>	3,841	320.0	155	12.3	3,996	162.3
CENTRAL EAST, OTHER						
Durham	92	39.2	9	3.8	101	21.4
Haliburton	17	20.2	1	1.2	18	10.6
Peel	194	44.1	27	6.1	221	25.1
Peterborough	32	52.0	0	0.0	32	25.3
Simcoe	61	36.2	10	5.8	71	20.9
York Region	98	32.2	18	5.9	116	19.0
CENTRAL WEST						
Brant	29	47.9	2	3.2	31	25.1
Haldimand	14	26.4	2	3.8	16	15.1
Halton	87	50.2	5	2.8	92	26.3
Hamilton-Wentworth	168	71.1	12	4.9	180	37.4
Niagara	114	56.2	8	3.8	122	29.4
Waterloo	66	31.8	6	2.8	72	17.2
Wellington-Dufferin	46	41.2	4	3.6	50	22.3
SOUTHWEST						
Bruce-Grey-Owen Sound	24	30.6	2	2.5	26	16.5
Elgin-St Thomas	8	19.9	3	7.3	11	13.5
Huron	10	32.5	0	0.0	10	16.2
Kent-Chatham	17	30.7	0	0.0	17	15.1
Lambton	17	25.8	3	4.4	20	15.0
Middlesex-London	201	102.0	15	7.3	216	53.5
Oxford	16	32.4	1	2.0	17	17.0
Perth	16	43.6	1	2.7	17	22.9
Windsor-Essex	174	97.7	14	7.6	188	52.0
TOTAL	6,127	112.0	375	6.7	6,502	58.6

* Sex-specific populations for each former health unit of Metro Toronto calculated by imputing 1996 census population for Metro Toronto according to the sex-specific distribution among the six cities based on 1991 census

Table 2.16 Number of AIDS cases and cumulative incidence rate per 100,000 by health region and sex, Ontario, 1981 to 1998

Health region	Males		Females			Total	
	No.	Rate	No.	Rate	% female*	No.	Rate
Northern	147	32.4	15	3.3	9.3	162	17.8
Ottawa-Carleton	481	131.8	46	12.2	8.7	527	70.9
Eastern, other	157	40.6	16	4.1	9.2	173	22.2
Metro Toronto	3,841	321.4	155	12.2	3.9	3,996	162.3
Central East, other	494	38.2	65	5.0	11.6	559	21.5
Central West	524	50.1	39	3.6	6.9	563	26.6
Southwest	483	66.0	39	5.2	7.5	522	35.1

* Row percent

Sources of data: Ontario AIDS Surveillance Program (cases reported to March 11, 1999); Statistics Canada (1996 census)

Table 3.1 Number of AIDS-related deaths and mortality rate per 100,000 by year of death and sex, Ontario, 1987 to 1997

Year	Males		Females		Total	
	Number	Rate	Number	Rate	Number	Rate
1987	204	4.3	10	0.20	214	2.2
1988	245	5.0	8	0.16	253	2.6
1989	314	6.3	15	0.29	329	3.2
1990	359	7.0	15	0.29	374	3.6
1991	471	9.1	21	0.40	492	4.7
1992	554	10.6	27	0.50	581	5.5
1993	599	11.4	24	0.44	623	5.8
1994	563	10.5	40	0.73	603	5.6
1995	653	12.1	37	0.67	690	6.3
1996	446	8.2	29	0.52	475	4.3
1997	188	3.4	25	0.44	213	1.9
Total	4,596		251		4,847	

Sources of data: Vital Statistics, Registrar-General, Ontario (deaths reported to Dec 20, 1997); Statistics Canada (population estimates)

Table 3.2 Number of AIDS-related deaths, mortality rate per 100,000 and proportion by age at death and sex, Ontario, 1997

Age group	Males			Females			Total		
	No.	Rate	%	No.	Rate	%	No.	Rate	%
<15	1	0.09	0.5	1	0.1	4.0	2	0.09	0.9
15-19	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
20-24	2	0.53	1.1	1	0.27	4.0	3	0.40	1.4
25-29	12	2.9	6.4	3	0.72	12.0	15	1.8	7.0
30-34	37	7.4	19.7	5	1.0	20.0	42	4.2	19.7
35-39	36	7.4	19.1	4	0.82	16.0	40	4.1	18.8
40-44	38	8.9	20.2	7	1.6	28.0	45	5.2	21.1
45-49	25	6.4	13.3	3	0.75	12.0	28	3.5	13.1
50-54	17	5.6	9.0	0	0.0	0.0	17	2.8	8.0
55-59	5	2.0	2.7	0	0.0	0.0	5	1.0	2.3
60+	15	1.9	8.0	1	0.10	4.0	16	0.88	7.5
Total	188		100.0	25		100.0	213		100.0

Sources of data: Vital Statistics, Registrar-General, Ontario (deaths reported to Dec 20, 1997); Statistics Canada (population estimates)

Table 3.3 Number of AIDS-related deaths (n) and mortality rate per 100,000 (R) by health region, sex and year of death, Ontario, 1987 to 1997

Region Sex	1987		1988		1989		1990		1991		1992		1993		1994		1995		1996		1997	
	n	R	n	R	n	R	n	R	n	R	n	R	n	R	n	R	n	R	n	R	n	R
Northern																						
Males	6	1.4	3	0.6	10	2.2	6	1.3	12	2.7	5	1.1	24	5.3	17	3.7	13	2.9	14	3.1	10	2.2
Females	0	0.0	1	0.2	2	0.4	0	0.0	0	0.0	1	0.2	0	0.0	1	0.2	2	0.4	0	0.0	1	0.22
Total	6	0.6	4	0.4	12	1.3	6	0.6	12	1.3	6	0.6	24	2.6	18	2.0	15	1.7	14	1.5	11	1.2
Ottawa-Carleton																						
Males	20	6.3	9	2.8	19	5.7	30	8.9	40	11.	48	13.	43	12.	34	9.5	43	11.	23	6.3	15	4.1
Females	0	0.0	0	0.0	1	0.2	2	0.5	4	1.1	5	1.4	2	0.5	0	0.0	5	1.3	4	1.1	2	0.52
Total	20	3.1	9	1.4	20	3.0	32	4.6	44	6.3	53	7.4	45	6.2	34	4.7	48	6.5	27	3.6	17	2.3
Eastern, other																						
Males	10	2.9	5	1.4	6	1.7	10	2.8	10	2.7	14	3.7	15	3.9	13	3.4	21	5.4	22	5.7	7	1.8
Females	2	0.5	0	0.0	0	0.0	1	0.2	1	0.2	1	0.2	1	0.2	4	1.0	2	0.5	0	0.0	0	0.0
Total	12	1.7	5	0.7	6	0.8	11	1.5	11	1.5	15	2.0	16	2.1	17	2.2	23	3.0	22	2.8	7	0.89
Metro Toronto																						
Males	114	9.9	162	14.	197	17.	207	17.	276	24.	333	29.	359	31.	328	28.	398	33.	263	22.	100	8.3
Females	4	0.3	2	0.1	7	0.5	3	0.2	6	0.5	8	0.6	11	0.9	18	1.5	16	1.3	14	1.1	11	0.86
Total	118	5.0	164	7.0	204	8.6	210	8.8	282	12.	341	14.	370	15.	346	14.	414	17.	277	11.	111	4.5
CE, other																						
Males	14	1.5	17	1.7	26	2.4	32	2.9	37	3.2	47	4.0	54	4.5	63	5.1	52	4.1	35	2.7	21	1.6
Females	0	0.0	2	0.2	2	0.1	4	0.3	7	0.6	3	0.2	3	0.2	8	0.6	4	0.3	7	0.5	4	0.30
Total	14	0.7	19	0.9	28	1.3	36	1.6	44	1.9	50	2.1	57	2.4	71	2.9	56	2.2	42	1.6	25	0.93
Central West																						
Males	23	2.5	25	2.7	23	2.4	35	3.5	41	4.1	40	4.0	49	4.8	54	5.3	44	4.3	40	3.8	21	2.0
Females	0	0.0	1	0.1	2	0.2	3	0.3	2	0.2	5	0.4	3	0.2	4	0.3	2	0.1	3	0.2	4	0.37
Total	23	1.2	26	1.4	25	1.3	38	1.9	43	2.1	45	2.2	52	2.5	58	2.8	46	2.2	43	2.0	25	1.2
Southwest																						
Males	12	1.8	21	3.1	20	2.9	33	4.7	40	5.7	58	8.1	43	6.0	43	6.0	72	9.9	36	4.9	12	1.6
Females	2	0.2	2	0.2	1	0.1	2	0.2	1	0.1	2	0.2	3	0.4	5	0.6	6	0.8	1	0.1	3	0.40
Total	14	1.0	23	1.7	21	1.5	35	2.5	41	2.9	60	4.2	46	3.2	48	3.3	78	5.3	37	2.5	15	1.0

Sources of data: Vital Statistics, Registrar-General, Ontario (deaths reported to Dec 20, 1997); Statistics Canada (population estimates)

Table 3.4 Number of AIDS-related deaths and proportion* of AIDS deaths by year of death, sex and country of birth (HIV-endemic/non-HIV-endemic), Ontario, 1987 to 1997**

Year	Males				Females				Total			
	HIV-endemic		Non-HIV-endemic		HIV-endemic		Non-HIV-endemic		HIV-endemic		Non-HIV-endemic	
	n	%	n	%	n	%	n	%	n	%	n	%
1987	14	6.9	190	93.1	4	40.0	6	60.0	18	8.4	196	91.6
1988	7	2.9	236	97.1	1	12.5	7	87.5	8	3.2	243	96.8
1989	16	5.1	295	94.9	4	26.7	11	73.3	20	6.1	306	93.9
1990	13	3.7	343	96.3	4	28.6	10	71.4	17	4.6	353	95.4
1991	20	4.3	447	95.7	4	19.0	17	81.0	24	4.9	464	95.1
1992	29	5.2	524	94.8	5	18.5	22	81.5	34	5.9	546	94.1
1993	33	5.5	563	94.5	5	20.8	19	79.2	38	6.1	582	93.9
1994	40	7.1	521	92.9	4	10.0	36	90.0	44	7.3	557	92.7
1995	41	6.3	608	93.7	8	21.6	29	78.4	49	7.1	637	92.9
1996	33	7.4	412	92.6	9	32.1	19	67.9	42	8.9	431	91.1
1997	13	7.0	173	93.0	4	16.0	21	84.0	17	8.1	194	91.9
Total	259	5.7	4,312	94.3	52	20.9	197	79.1	311	6.5	4,509	93.5

* Sex-specific row percent of AIDS-related deaths that year

** Excludes 27 deaths (25 males and 2 females) for which country of birth was unknown

Source of data: Vital Statistics, Registrar-General, Ontario (deaths reported to Dec 20, 1997)

Table 3.5 Number and proportion* of AIDS-related deaths by year of death and country of birth (Caribbean, sub-Saharan Africa, non-HIV-endemic), Ontario, 1987 to 1997

Year	Caribbean		Sub-Saharan Africa		Non-HIV-endemic**		Total
	Number	%	Number	%	Number	%	Number
1987	15	7.0	3	1.4	196	91.6	214
1988	5	2.0	3	1.2	245	96.8	253
1989	12	3.6	8	2.4	309	93.9	329
1990	13	3.5	4	1.1	357	95.5	374
1991	22	4.5	2	0.4	468	95.1	492
1992	27	4.6	7	1.2	547	94.1	581
1993	24	3.9	14	2.2	585	93.9	623
1994	33	5.5	11	1.8	559	92.7	603
1995	33	4.8	16	2.3	641	92.9	690
1996	27	5.7	15	3.2	433	91.2	475
1997	15	7.0	2	0.9	196	92.0	213
Total	226	4.7	85	1.8	4,536	93.6	4,847

* Row percent

** Includes 27 deaths for which country of birth was unknown

Sources of data: Vital Statistics, Registrar-General, Ontario (deaths reported to Dec 20, 1997)

Table 4.1 Number and proportion of children born to HIV-infected mothers by year of birth and infection status of the child at latest follow-up, Ontario, 1984 to 1998

Year of birth	Confirmed infected		Confirmed not infected		Pending, unknown**	Total
	Number	%†	Number	%†	Number	Number
1984	5	83.3	1	16.7	0	6
1985	3	100.0	0	0.0	0	3
1986	7	70.0	3	30.0	0	10
1987	4	57.1	3	42.9	0	7
1988	5	55.6	4	44.4	0	9
1989	11	73.3	4	26.7	0	15
1990	9	42.9	12	57.1	0	21
1991	8	53.3	7	46.7	1	16
1992	12	63.2	7	36.8	0	19
1993	13	39.4	20	60.6	0	33
1994	11	33.3	22	66.7	2	35
1995	9	26.5	25	73.5	0	34
1996	7	25.0	21	75.0	1	29
1997	0	0.0	8	100.0	4	12
1998	3	25.0	9	75.0	20	32
Total	107	42.3	146	57.7	28	281

* Cases identified through the HIV Pediatric Network

** Cases of unknown infection status include those who have been lost to follow-up

† Proportion of cases of known infection status

Source of data: Dr. Susan King, HIV Pediatric Network

Table 4.2 Number and proportion* of children born to HIV-infected mothers by reporting institution and exposure category of mother, Ontario, 1984 to 1998

Location of institution	IDU		HIV-endemic		Heterosexual		Transfusion		Unknown	Total
	No.	%	No.	%	No.	%	No.	%	No.	No.
Toronto	29	18.1	76	47.5	53	33.1	2	1.3	12	172
Ottawa	20	27.0	30	40.5	22	29.7	2	2.7	3	77
London	0	0.0	3	25.0	8	66.7	1	8.3	2	14
Hamilton	0	0.0	6	50.0	6	50.0	0	0.0	0	12
Sudbury	0	0.0	0	0.0	3	100.0	0	0.0	0	3
Kingston	0	0.0	1	50.0	1	50.0	0	0.0	0	2
Windsor	0	0.0	0	0.0	1	100.0	0	0.0	0	1
Total	49	18.6	116	43.9	94	35.6	5	1.9	17	281

* Row percent of cases with known exposure category

Source of data: Dr. Susan King, HIV Pediatric Network

Table 4.3 Number and proportion* of infected children born to HIV-positive mothers by reporting institution and exposure category of mother, Ontario, 1984 to 1998

Location of institution	IDU		HIV-endemic		Heterosexual		Transfusion		Unknown	Total
	No.	%	No.	%	No.	%	No.	%	No.	No.
Toronto	6	10.0	39	65.0	13	21.7	2	3.3	4	64
Ottawa	2	7.7	17	65.4	6	23.1	1	3.8	3	29
London	0	0.0	2	28.6	4	57.1	1	14.3	0	7
Hamilton	0	0.0	3	60.0	2	40.0	0	0.0	0	5
Sudbury	0	0.0	0	0.0	0	0.0	0	0.0	0	0
Kingston	0	0.0	1	100.0	0	0.0	0	0.0	0	1
Windsor	0	0.0	0	0.0	1	100.0	0	0.0	0	1
Total	8	8.0	62	62.0	26	26.0	4	4.0	7	107

* Row percent of cases with known exposure category

Source of data: Dr. Susan King, HIV Pediatric Network

Table 4.4 Number and proportion* of HIV-infected children by period of birth and exposure category of mother, Ontario, 1984 to 1998

Period of birth	IDU		HIV-endemic		Heterosexual		Transfusion		Unknown	Total
	No.	%	No.	%	No.	%	No.	%	No.	No.
1984-87	1	5.9	12	70.6	3	17.6	1	5.9	2	19
1988-89	3	18.8	4	25.0	7	43.8	2	12.5	0	16
1990-91	0	0.0	9	60.0	5	33.3	1	6.7	2	17
1992-93	1	4.3	16	69.6	6	26.1	0	0.0	2	25
1994-98	3	10.3	21	72.4	5	17.2	0	0.0	1	30
Total	8	8.0	62	62.0	26	26.0	4	4.0	7	107

* Row percent of cases with known exposure category

Source of data: Dr. Susan King, HIV Pediatric Network

Table 4.5 Modeled HIV transmission from mother to infant, Ontario, 1984 to 1998

Year	Modeled HIV prevalence per 1000 among women of CBA*	Modeled number of HIV-infected women of CBA*	Modeled number of HIV-infected mothers	Modeled annual number of HIV-infected infants	Identified HIV-infected infants	Identified HIV-infected mothers
1978	0.01	15	0.9	0.2	-	-
1979	0.02	34	2.1	0.5	-	-
1980	0.03	57	3.5	0.8	-	-
1981	0.04	83	5.1	1.2	-	-
1982	0.06	114	6.9	1.7	-	-
1983	0.07	149	9.1	2.2	-	-
1984	0.09	190	11.7	2.8	5	6
1985	0.11	235	14.5	3.5	3	3
1986	0.13	286	17.6	4.2	7	10
1987	0.15	337	20.4	4.9	4	7
1988	0.17	397	23.9	5.7	5	9
1989	0.20	462	28.4	6.8	11	15
1990	0.22	541	33.3	8.0	9	21
1991	0.25	630	37.8	9.1	8	16
1992	0.30	747	44.5	10.7	12	19
1993	0.36	910	53.3	12.4	13	33
1994	0.43	1,083	62.9	13.5	11	35
1995	0.50	1,275	72.7	14.6	9	34
1996	0.58	1,488	82.7	16.3	7	29
1997	0.67	1,714	93.0	20.6	0	12
1998	0.75	1,943	103.2	19.8	3	32
Total			727.5	159.5	107	281

* Childbearing age

Table 5.1 Modeled estimates of incidence, cumulative incidence and prevalence of HIV infection, HIV diagnoses, AIDS incidence and AIDS-related mortality Ontario, 1978 to 1998

Year	HIV incidence	HIV cumulative incidence	HIV prevalence	HIV annual diagnoses	HIV cumulative incidence (diagnosed)	Living HIV-diagnosed persons	AIDS incidence	AIDS cumulative incidence	AIDS prevalence	AIDS annual mortality	AIDS cumulative mortality
1978	20	20	20	0	0	0	0	0	0	0	0
1979	70	90	90	0	0	0	0	0	0	0	0
1980	220	310	310	0	0	0	1	1	1	0	0
1981	530	840	839	0	0	0	3	4	3	1	1
1982	1,200	2,040	2,036	0	0	0	8	12	8	3	4
1983	1,900	3,940	3,926	0	0	0	26	38	24	10	14
1984	2,500	6,440	6,395	0	0	0	78	116	71	31	45
1985	2,000	8,440	8,315	335	334	334	208	324	199	80	125
1986	1,400	9,840	9,550	1,365	1,700	1,535	350	674	384	165	290
1987	1,000	10,840	10,300	1,551	3,251	2,836	560	1,234	694	250	540
1988	950	11,790	10,950	1,455	4,706	3,991	640	1,874	1,034	300	840
1989	1,000	12,790	11,560	1,711	6,417	5,312	750	2,624	1,394	390	1,230
1990	1,100	13,890	12,220	2,093	8,510	6,965	900	3,524	1,854	440	1,670
1991	1,200	15,090	12,840	1,840	10,350	8,225	900	4,424	2,174	580	2,250
1992	1,250	16,340	13,405	1,829	12,179	9,369	1,070	5,494	2,559	685	2,935
1993	1,300	17,640	13,970	1,505	13,684	10,139	1,090	6,584	2,914	735	3,670
1994	1,300	18,940	14,560	1,350	15,034	10,779	1,040	7,624	3,244	710	4,380
1995	1,300	20,240	15,050	1,367	16,401	11,336	1,050	8,674	3,484	810	5,190
1996	1,300	21,540	15,790	1,081	17,482	11,857	720	9,394	3,644	560	5,750
1997	1,300	22,840	16,830	976	18,458	12,573	330	9,724	3,714	260	6,010
1998	1,300	24,140	17,870	1,001	19,459	13,314	330	10,054	3,784	260	6,270