

**RACE/ETHNICITY AMONG PERSONS WITH HIV/AIDS
IN ONTARIO, 1981-2004**

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1. INTRODUCTION

Canada is a multicultural country, receiving about 250,000 new immigrants and refugees each year in recent years. According to the 2001 Census, 13.4% of persons were born outside Canada; the figure for Ontario was 19.1%, a 20% increase compared to 1996.

Although Caucasians continue to comprise the majority of persons diagnosed with HIV and AIDS in Canada, racial/ethnic differences in HIV and AIDS prevalence have been observed in men who have sex with men (MSM) and injecting drug users (IDUs). However, few studies have explored these patterns in detail. To understand the patterns of race/ethnicity among persons affected by HIV epidemic, we used available surveillance data to examine the trends in HIV diagnoses and AIDS cases in Ontario.

2. METHODS

In Ontario, essentially all HIV diagnostic testing is performed at the Central Public Health Laboratory and its six regional HIV laboratories. HIV testing is provided free of charge to the patient and may be prescribed by any physician or at an anonymous test centre.

Information on first-time HIV-positive cases' age, sex, the location of prescribing physician and risk factors related to HIV infection is included in the HIV test requisition sent to the HIV Laboratory with the serum specimen. We assigned mutually exclusive exposure categories to cases based on risk factor information and on epidemiologic considerations concerning the most likely route of HIV infection when more than one possible route of infection was identified.

Data on race/ethnicity are not routinely collected on the HIV test requisition. HIV infection is a notifiable disease and must be reported to the public health unit in the district in which the infection was diagnosed. Race/ethnicity information is included on the standard reporting form and is collected at most public health units during the course of case management. We obtained data from the Toronto Public Health Unit (1985 to April 2004) and the Ottawa Public Health Unit (1985 to August 2004).

AIDS cases in Ontario are reported to public health units; reports are transferred on a regular basis to the Public Health Division, Ontario Ministry of Health and Long-Term care. AIDS cases were reported informally beginning in 1982 and expanded into the official surveillance system (the Ontario AIDS Surveillance Program [OASP]) when AIDS became reportable in August 1983.

Race/ethnicity data is routinely collected for AIDS cases; we examined cases of AIDS diagnosed from 1981 to 2004 and reported to September 2005 provided to us by the Public Health Division. About 70% of AIDS cases include information on race/ethnicity.

We analyzed the number and proportion of reported AIDS cases in Ontario by race/ethnicity by year of AIDS diagnosis, exposure category and health region from 1981 to 2004, as well as the number and proportion of HIV diagnoses by race/ethnicity by year of HIV diagnosis and exposure category in Toronto and Ottawa Public Health Unit from 1981 to 2004.

3. RESULTS

Table 1.1 presents the number and proportion of AIDS cases in Ontario by year of diagnosis and race/ethnicity. 7,811 AIDS cases were reported in Ontario from 1981 to 2004; for 2,298 cases

(29.4%) race/ethnicity was unknown. Among the cases with race/ethnicity information, overall, White persons comprised 80.6%, Blacks 9.7%, Latin American 2.9%, Asian 2.6%, South Asian 1.2% and Aboriginal 1.1%. The trends in race/ethnicity over time are discussed in Table 1.3 below.

Table 1.2 presents the cumulative AIDS cases by race/ethnicity and sex. Among female cases, 48.3% were White and 38.5% Black.

Table 1.3 shows the trends in AIDS cases by race/ethnicity. The proportion of AIDS cases among Black persons increased considerably, from 0.0% in 1981-84 to 25.4% in 2000-04, while the proportion of cases among Whites decreased over time. The proportion of other race/ethnic groups (e.g. Asian, South Asian, Latin American and Aboriginal) also increased over time.

Tables 1.3a and 1.3b show similar analyses to Table 1.3 for males and females, respectively. Similar trends were observed when stratified by sex.

Table 1.4 (shown over three pages) presents the trends in AIDS cases by exposure category, race/ethnicity and period of AIDS diagnosis. For MSM, the proportion of White cases decreased from 95.7% in 1981-84 to 72.5% in 2000-04, while the proportion of Black, Asia and Latin American increased. For IDUs, the proportion of Aboriginal cases increased while proportion of White cases decreased. For the heterosexual exposure category, the proportion of Whites decreased and the proportion of Blacks, Asian and South Asian cases increased. Not surprisingly, Black cases comprised the vast majority (85%) of HIV-endemic cases in all periods.

Table 1.5 shows the distribution of AIDS cases by race/ethnicity and health region. Overall, Whites comprised the majority (67%-91%) of AIDS cases in all health regions. Blacks constituted the second highest proportion of cases in all health regions except the Northern region, in which Aboriginal people comprised 9.7% of AIDS cases.

Table 1.5a and **Table 1.5b** present similar analyses to Table 1.5 but stratified by sex. A similar distribution to that in Table 1.5 was found among males, whereas a different pattern was observed in females. In Toronto, 44.5% of AIDS cases among females were Black and 41.6% were White. In Ottawa, 64.2% cases were Black and 34.3% were White. In the other regions, the highest proportion of cases were White, with second highest proportion of Black women in the Eastern, other, Central East, other and Central West regions and second highest proportion of Aboriginal cases in the Northern and Southwest region.

Table 1.6 (shown over three pages) presents AIDS cases by exposure category, race/ethnicity and health region. Clearly, Black cases dominated in HIV-endemic category and White cases dominated in other major exposure categories (e.g. MSM, IDU and heterosexual category) in all health regions.

Table 1.7 presents cumulative AIDS cases by age group and race/ethnicity. The age group most affected by AIDS were those 25-44 years old in all racial/ethnic group.

Table 2.1 presents the number and proportion of reported HIV cases in Toronto by year of diagnosis and race/ethnicity. 9,461 HIV-infected cases were reported to the Toronto Public Health Unit from 1980 to April 2004. Overall, among 5,536 (58.5%) cases with race/ethnicity information, White persons comprised 70.0% of HIV cases, Blacks 17.1%, Latin American 4.1%, Asian 2.7%, South Asian 2.1% and Aboriginal persons 1.2%.

Table 2.2a shows the trends in race/ethnicity in Toronto. Overall, the proportion of reported HIV cases among Black persons increased dramatically, from 5.3% in 1985-89 to 31.9% in 2000-04,

while the proportion of Whites decreased from 88.2% to 48.3% in the same period. The proportion of other race/ethnic groups also increased over time.

Table 2.2b shows the same analysis as Table 2.2a for males and females respectively. Similar trends were observed when stratified by sex.

Table 2.3a shows cumulative HIV cases in Toronto by exposure category and race/ethnicity. Overall, among Blacks, 56.4% were from HIV-endemic counties, 21.4% MSM and 15.6% others infected heterosexually. The highest proportion (81.9%) of reported HIV cases among White persons were MSM, followed by those infected heterosexually (6.6%), and IDU (4.1%). For Aboriginal persons, 50.8% were MSM and 21.5% were IDUs.

Table 2.3b is the same as Table 2.3a but stratified by sex. A similar distribution was found among males. Among Black females, 74.2% were those from HIV-endemic counties and 18.8% were others infected heterosexually. 54.3% of reported HIV cases among White females in Toronto were those infected heterosexually, followed by IDU (36.2%). For Aboriginal females, 53.3% were IDUs.

Table 2.4 (shown over two pages) presents the trends in reported HIV cases in Toronto by exposure category, race/ethnicity and period of HIV diagnosis. Similar to AIDS in Ontario, the proportion of White cases among MSM decreased from 90.1% in 1985-89 to 71.2% in 2000-04, while the proportion of Blacks, Asia and Latin American increased. The number of IDUs diagnosed with HIV in Toronto decreased in 2000-04, with a slight increase in the proportion of Aboriginal people. Black persons predominated among HIV-endemic cases and the number of cases increased overtime. For the heterosexual category, the proportion of White persons decreased, from 73.0% in 1985-89 to 39.1% in 2000-04 and the proportion of Asian, South Asian and Latin American cases increased.

Table 3.1 shows the number and proportion of reported HIV cases in Ottawa by year of diagnosis and race/ethnicity. 1,463 new HIV diagnoses were reported to the Ottawa Public Health Unit from 1980 to August 2004. Overall, among 928 (63%) cases with race/ethnicity information, White persons comprised 60.7% of reported HIV cases, Blacks 32.3%, Aboriginal persons 2.2% and Latin American 1.9%.

Table 3.2a shows the trends in race/ethnicity in Ottawa. Overall, the proportion of reported HIV cases among Black persons increased from 15.7% in 1985-89 to 47.2% in 2000-04, while the proportion of White cases decreased from 77.9% to 42.1% in the same period. The proportion of other race/ethnic groups also increased over time.

Table 3.2b shows the same analysis as Table 3.2a for males and females respectively. Similar trends were observed when stratified by sex.

Table 3.3a shows cumulative reported HIV cases in Ottawa by exposure category and race/ethnicity. Overall, the highest proportion of reported HIV cases among White persons was MSM with 59.4%, followed by IDUs (24.2%) and others infected heterosexually (8.3%). Among Blacks, 81.3% were from HIV-endemic counties, 7.7% were MSM and 5.0% were others infected heterosexually. For Aboriginal persons, 50.0% were IDUs and 25.0% were MSM.

Table 3.3b is the same as Table 3.3a but stratified by sex. Among Black females, 88.7% were from HIV-endemic counties. 57.4% of reported HIV cases among White females were IDU, followed by others infected heterosexually (35.3%). Among Aboriginal females, 57.1% were IDU.

Table 3.4 (shown over two pages) presents the trends in reported HIV cases in Ottawa by exposure category, race/ethnicity and period of HIV diagnosis. The trends in reported HIV in Ottawa were similar to in Toronto for most exposure categories. For the heterosexual category, the proportion of White cases decreased, from 75.0% in 1985-89 to 34.8% in 2000-04 and the proportion of Blacks increased from 8.3% to 34.8%. The proportion of other race/ethnic groups also increased.

4. CONCLUSIONS

From the available surveillance data, we observed that persons from non-White race/ethnicity communities comprise an increasing proportion of HIV diagnoses, reflected both in HIV data from Toronto and Ottawa and in AIDS cases in Ontario as whole, as well in for most exposure categories examined individually. The results highlight the need for epidemiologic, social and behavioral research to better understand the reasons behind these observed trends and to assess the best way to address them. Effective, culturally sensitive HIV prevention strategies are needed to target the populations most affected by the HIV/AIDS epidemic.

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Staff of Toronto and Ottawa Public Health Units, for providing HIV reported data.

Table 1.1 Number and proportion¹ of AIDS cases by year of AIDS diagnosis and race/ethnicity, Ontario, 1981 to 2004

Year of AIDS diagnosis	White		Black		Asian		South Asian		Arab/West Asian		Latin American		Aboriginal		Other		Unk.	Total
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%		
1981	0	--	0	--	0	--	0	--	0	--	0	--	0	--	0	--	2	2
1982	5	100%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	2	7
1983	14	100%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	6	20
1984	35	92.1%	0	0.0%	2	5.3%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	1	2.6%	22	60
1985	102	92.7%	3	2.7%	0	0.0%	0	0.0%	0	0.0%	5	4.5%	0	0.0%	0	0.0%	74	184
1986	156	87.2%	8	4.5%	1	0.56%	1	0.56%	1	0.56%	8	4.5%	0	0.0%	4	2.2%	137	316
1987	270	91.8%	11	3.7%	4	1.4%	1	0.34%	0	0.0%	5	1.7%	1	0.34%	2	0.68%	172	466
1988	296	89.2%	15	4.5%	7	2.1%	4	1.2%	0	0.0%	7	2.1%	2	0.60%	1	0.30%	155	487
1989	349	87.3%	19	4.8%	6	1.5%	4	1.0%	0	0.0%	11	2.8%	6	1.5%	5	1.3%	169	569
1990	387	84.3%	28	6.1%	14	3.1%	6	1.3%	1	0.22%	14	3.1%	5	1.1%	4	0.87%	199	658
1991	348	87.2%	25	6.3%	7	1.8%	3	0.75%	3	0.75%	9	2.3%	1	0.25%	3	0.75%	185	584
1992	458	85.9%	37	6.9%	13	2.4%	4	0.75%	0	0.0%	12	2.3%	5	0.94%	4	0.75%	180	713
1993	446	81.5%	47	8.6%	13	2.4%	4	0.73%	0	0.0%	21	3.8%	4	0.73%	12	2.2%	168	715
1994	377	81.8%	46	10.0%	12	2.6%	2	0.43%	0	0.0%	10	2.2%	4	0.87%	10	2.2%	163	624
1995	360	78.9%	45	9.9%	15	3.3%	9	2.0%	4	0.88%	12	2.6%	4	0.88%	7	1.5%	139	595
1996	238	76.5%	43	13.8%	8	2.6%	3	0.96%	3	0.96%	6	1.9%	3	0.96%	7	2.3%	99	410
1997	144	73.5%	29	14.8%	6	3.1%	2	1.0%	2	1.0%	8	4.1%	1	0.51%	4	2.0%	53	249
1998	114	68.7%	30	18.1%	6	3.6%	1	0.60%	1	0.60%	6	3.6%	5	3.0%	3	1.8%	44	210
1999	90	63.8%	31	22.0%	2	1.4%	3	2.1%	0	0.0%	9	6.4%	5	3.5%	1	0.71%	51	192
2000	62	65.3%	17	17.9%	4	4.2%	2	2.1%	1	1.1%	5	5.3%	3	3.2%	1	1.1%	47	142
2001	61	51.7%	29	24.6%	10	8.5%	7	5.9%	0	0.0%	4	3.4%	3	2.5%	4	3.4%	52	170
2002	40	44.9%	27	30.3%	6	6.7%	3	3.4%	1	1.1%	5	5.6%	3	3.4%	4	4.5%	47	136
2003	50	52.6%	25	26.3%	6	6.3%	3	3.2%	3	3.2%	4	4.2%	3	3.2%	1	1.1%	63	158
2004	40	53.3%	22	29.3%	3	4.0%	3	4.0%	0	0.0%	1	1.3%	3	4.0%	3	4.0%	69	144
Total	4,442	80.6%	537	9.7%	145	2.6%	65	1.2%	20	0.4%	162	2.9%	61	1.1%	81	1.5%	2,298	7,811

1. Row percent of cases with known race/ethnicity

Data source: HIV Laboratory, Laboratories Division, Ontario Ministry of Health and Long-Term Care
 Analyzed by: Ontario HIV Epidemiologic Monitoring Unit

Table 1.2 Number and proportion¹ of AIDS cases by race/ethnic group and sex, Ontario, 1981 to 2004

Race/ethnic group	Males		Females		Total	
	No.	%	No.	%	No.	%
White	4,240	83.2%	202	48.3%	4,442	80.6%
Black	376	7.4%	161	38.5%	537	9.7%
Asian	136	2.7%	9	2.2%	145	2.6%
South Asian	57	1.1%	8	1.9%	65	1.2%
Arab/West Asian	17	0.33%	3	0.72%	20	0.36%
Latin American	150	2.9%	12	2.9%	162	2.9%
Aboriginal	50	0.98%	11	2.6%	61	1.1%
Other	69	1.4%	12	2.9%	81	1.5%
Unknown	2,113		185		2,298	
Total	7,208		603		7,811	

1. Column percent of cases with known race/ethnicity

Data source: HIV Laboratory, Laboratories Division, Ontario Ministry of Health and Long-Term Care
 Analyzed by: Ontario HIV Epidemiologic Monitoring Unit

Table 1.3 Number and proportion¹ of AIDS cases by race/ethnicity and period of AIDS diagnosis, Ontario, 1981 to 2004

Race/ethnic group	1981-1984		1985-1989		1990-1994		1995-1999		2000-2004		Total	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
White	54	94.7%	1,173	89.2%	2,016	84.0%	946	74.5%	253	53.6%	4,442	80.6%
Black	0	0.0%	56	4.3%	183	7.6%	178	14.0%	120	25.4%	537	9.7%
Asian	2	3.5%	18	1.4%	59	2.5%	37	2.9%	29	6.1%	145	2.6%
South Asian	0	0.0%	10	0.76%	19	0.79%	18	1.4%	18	3.8%	65	1.2%
Arab/West Asian	0	0.0%	1	0.08%	4	0.17%	10	0.79%	5	1.1%	20	0.36%
Latin American	0	0.0%	36	2.7%	66	2.8%	41	3.2%	19	4.0%	162	2.9%
Aboriginal	0	0.0%	9	0.68%	19	0.79%	18	1.4%	15	3.2%	61	1.1%
Other	1	1.8%	12	0.91%	33	1.4%	22	1.7%	13	2.8%	81	1.5%
Unknown	32		707		895		386		278		2,298	
Total	89		2,022		3,294		1,656		750		7,811	

1. Column percent of cases with known race/ethnicity

Data source: HIV Laboratory, Laboratories Division, Ontario Ministry of Health and Long-Term Care
 Analyzed by: Ontario HIV Epidemiologic Monitoring Unit

Table 1.3a Number and proportion¹ of AIDS cases among males by race/ethnicity and period of AIDS diagnosis Ontario, 1981 to 2004

Race/ethnic group	1981-1984		1985-1989		1990-1994		1995-1999		2000-2004		Total	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
White	54	94.7%	1,149	90.0%	1,938	85.5%	874	78.7%	225	58.6%	4,240	83.2%
Black	0	0.0%	45	3.5%	142	6.3%	115	10.4%	74	19.3%	376	7.4%
Asian	2	3.5%	18	1.4%	57	2.5%	34	3.1%	25	6.5%	136	2.7%
South Asian	0	0.0%	9	0.70%	16	0.71%	18	1.6%	14	3.6%	57	1.1%
Arab/West Asian	0	0.0%	1	0.08%	4	0.18%	8	0.72%	4	1.0%	17	0.33%
Latin American	0	0.0%	36	2.8%	61	2.7%	35	3.2%	18	4.7%	150	2.9%
Aboriginal	0	0.0%	8	0.63%	19	0.84%	10	0.90%	13	3.4%	50	0.98%
Other	1	1.8%	11	0.86%	30	1.3%	16	1.4%	11	2.9%	69	1.4%
Unknown	31		668		829		354		231		2,113	
Total	88		1,945		3,096		1,464		615		7,208	

1. Column percent of cases with known race/ethnicity

Data source: HIV Laboratory, Laboratories Division, Ontario Ministry of Health and Long-Term Care
 Analyzed by: Ontario HIV Epidemiologic Monitoring Unit

Table 1.3b Number and proportion¹ of AIDS cases among females by race/ethnicity and period of AIDS diagnosis Ontario, 1981 to 2004

Race/ethnic group	1981-1984		1985-1989		1990-1994		1995-1999		2000-2004		Total	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
White	0	--	24	63.2%	78	59.1%	72	45.0%	28	31.8%	202	48.3%
Black	0	--	11	28.9%	41	31.1%	63	39.4%	46	52.3%	161	38.5%
Asian	0	--	0	0.0%	2	1.5%	3	1.9%	4	4.5%	9	2.2%
South Asian	0	--	1	2.6%	3	2.3%	0	0.0%	4	4.5%	8	1.9%
Arab/West Asian	0	--	0	0.0%	0	0.0%	2	1.3%	1	1.1%	3	0.72%
Latin American	0	--	0	0.0%	5	3.8%	6	3.8%	1	1.1%	12	2.9%
Aboriginal	0	--	1	2.6%	0	0.0%	8	5.0%	2	2.3%	11	2.6%
Other	0	--	1	2.6%	3	2.3%	6	3.8%	2	2.3%	12	2.9%
Unknown	1		39		66		32		47		185	
Total	1		77		198		192		135		603	

1. Column percent of cases with known race/ethnicity

Data source: HIV Laboratory, Laboratories Division, Ontario Ministry of Health and Long-Term Care
 Analyzed by: Ontario HIV Epidemiologic Monitoring Unit

Table 1.4-1 Number and proportion¹ of AIDS cases by exposure category, race/ethnicity, and period of AIDS diagnosis, Ontario, 1981 to 2004

Race/ethnic group	1981-1984		1985-1989		1990-1994		1995-1999		2000-2004		Total	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
MSM												
White	44	95.7%	1,023	91.6%	1,635	88.7%	672	87.4%	140	72.5%	3,514	88.6%
Black	0	0.0%	25	2.2%	74	4.0%	27	3.5%	15	7.8%	141	3.6%
Asian	2	4.3%	15	1.3%	48	2.6%	23	3.0%	13	6.7%	101	2.5%
South Asian	0	0.0%	5	0.45%	11	0.60%	6	0.78%	3	1.6%	25	0.63%
Arab/West Asian	0	0.0%	0	0.0%	3	0.16%	1	0.13%	1	0.52%	5	0.13%
Latin American	0	0.0%	34	3.0%	39	2.1%	29	3.8%	12	6.2%	114	2.9%
Aboriginal	0	0.0%	7	0.63%	13	0.71%	3	0.39%	5	2.6%	28	0.71%
Other	0	0.0%	8	0.72%	20	1.1%	8	1.0%	4	2.1%	40	1.0%
Unknown	25		511		547		222		115		1,420	
Total	71		1,628		2,390		991		308		5,388	
MSM-IDU												
White	5	100%	45	86.5%	94	91.3%	44	89.8%	8	80.0%	196	89.5%
Black	0	0.0%	3	5.8%	3	2.9%	3	6.1%	0	0.0%	9	4.1%
Asian	0	0.0%	1	1.9%	0	0.0%	0	0.0%	0	0.0%	1	0.46%
South Asian	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Arab/West Asian	0	0.0%	0	0.0%		0.0%	0	0.0%	0	0.0%	0	0.0%
Latin American	0	0.0%	1	1.9%	2	1.9%	0	0.0%	2	20.0%	5	2.3%
Aboriginal	0	0.0%	1	1.9%	3	2.9%	2	4.1%	0	0.0%	6	2.7%
Other	0	0.0%	1	1.9%	1	0.97%	0	0.0%	0	0.0%	2	0.91%
Unknown	2		24		40		21		8		95	
Total	7		76		143		70		18		314	
IDU												
White	0	--	16	88.9%	74	85.1%	71	81.6%	31	70.5%	192	81.4%
Black	0	--	0	0.0%	5	5.7%	7	8.0%	1	2.3%	13	5.5%
Asian	0	--	0	0.0%	0	0.0%	0	0.0%	1	2.3%	1	0.42%
South Asian	0	--	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Arab/West Asian	0	--	0	0.0%	0	0.0%	1	1.1%	0	0.0%	1	0.42%
Latin American	0	--	0	0.0%	5	5.7%	1	1.1%	1	2.3%	7	3.0%
Aboriginal	0	--	1	5.6%	3	3.4%	6	6.9%	8	18.2%	18	7.6%
Other	0	--	1	5.6%	0	0.0%	1	1.1%	2	4.5%	4	1.7%
Unknown	0		25		52		31		18		126	
Total	0		43		139		118		62		362	
Hetero												
White	2	100%	31	86.1%	125	78.6%	107	74.3%	54	58.7%	319	73.7%
Black	0	0.0%	2	5.6%	7	4.4%	5	3.5%	9	9.8%	23	5.3%
Asian	0	0.0%	0	0.0%	7	4.4%	8	5.6%	9	9.8%	24	5.5%
South Asian	0	0.0%	1	2.8%	3	1.9%	5	3.5%	10	10.9%	19	4.4%
Arab/West Asian	0	0.0%	1	2.8%	1	0.63%	4	2.8%	1	1.1%	7	1.6%
Latin American	0	0.0%	1	2.8%	12	7.5%	7	4.9%	3	3.3%	23	5.3%
Aboriginal	0	0.0%	0	0.0%	0	0.0%	5	3.5%	1	1.1%	6	1.4%
Other	0	0.0%	0	0.0%	4	2.5%	3	2.1%	5	5.4%	12	2.8%
Unknown	1		32		104		45		54		236	
Total	3		68		263		189		146		669	

1. Column percent of cases with known race/ethnicity

Data source: HIV Laboratory, Laboratories Division, Ontario Ministry of Health and Long-Term Care
 Analyzed by: Ontario HIV Epidemiologic Monitoring Unit

Table 1.4-2 Number and proportion¹ of AIDS cases by exposure category, race/ethnicity, and period of AIDS diagnosis, Ontario, 1981 to 2004

Race/ethnic group	1981-1984		1985-1989		1990-1994		1995-1999		2000-2004		Total	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
HIV-endemic												
White	0	0.0%	2	8.0%	2	2.1%	4	2.8%	3	2.8%	11	3.0%
Black	0	0.0%	20	80.0%	83	87.4%	118	83.1%	92	86.8%	313	84.8%
Asian	0	0.0%	0	0.0%	0	0.0%	1	0.70%	3	2.8%	4	1.1%
South Asian	0	0.0%	2	8.0%	5	5.3%	5	3.5%	4	3.8%	16	4.3%
Arab/West Asian	0	0.0%	0	0.0%	0	0.0%	3	2.1%	2	1.9%	5	1.4%
Latin American	0	0.0%	0	0.0%	1	1.1%	2	1.4%	1	0.94%	4	1.1%
Aboriginal	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Other	1	100%	1	4.0%	4	4.2%	9	6.3%	1	0.94%	16	4.3%
Unknown	2		18		15		17		46		98	
Total	3		43		110		159		152		467	
Transfusion												
White	0	--	21	80.8%	21	91.3%	12	70.6%	2	40.0%	56	78.9%
Black	0	--	1	3.8%	0	0.0%	1	5.9%	0	0.0%	2	2.8%
Asian	0	--	2	7.7%	1	4.3%	2	11.8%	2	40.0%	7	9.9%
South Asian	0	--	2	7.7%	0	0.0%	0	0.0%	0	0.0%	2	2.8%
Arab/West Asian	0	--	0	0.0%	0	0.0%	0	0.0%	1	20.0%	1	1.4%
Latin American	0	--	0	0.0%	1	4.3%	1	5.9%	0	0.0%	2	2.8%
Aboriginal	0	--	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Other	0	--	0	0.0%	0	0.0%	1	5.9%	0	0.0%	1	1.4%
Unknown	0		45		21		5		2		73	
Total	0		71		44		22		7		144	
Clotting factor												
White	1	100%	18	94.7%	27	90.0%	5	62.5%	2	100%	53	88.3%
Black	0	0.0%	0	0.0%	1	3.3%	3	37.5%	0	0.0%	4	6.7%
Asian	0	0.0%	0	0.0%	1	3.3%	0	0.0%	0	0.0%	1	1.7%
South Asian	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Arab/West Asian	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Latin American	0	0.0%	0	0.0%	1	3.3%	0	0.0%	0	0.0%	1	1.7%
Aboriginal	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Other	0	0.0%	1	5.3%	0	0.0%	0	0.0%	0	0.0%	1	1.7%
Unknown	0		16		31		11		0		58	
Total	1		35		61		19		2		118	
Other/Occupation												
White	0	--	1	100%	2	66.7%	2	100%	0	0.0%	5	71.4%
Black	0	--	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Asian	0	--	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
South Asian	0	--	0	0.0%	0	0.0%	0	0.0%	1	100%	1	14.3%
Arab/West Asian	0	--	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Latin American	0	--	0	0.0%	1	33.3%	0	0.0%	0	0.0%	1	14.3%
Aboriginal	0	--	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Other	0	--	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Unknown	0		0		0		0		0		0	
Total	0		1		3		2		1		7	

1. Column percent of cases with known race/ethnicity

Data source: HIV Laboratory, Laboratories Division, Ontario Ministry of Health and Long-Term Care
 Analyzed by: Ontario HIV Epidemiologic Monitoring Unit

Table 1.4-3 Number and proportion¹ of AIDS cases by exposure category, race/ethnicity, and period of AIDS diagnosis, Ontario, 1981 to 2004

Race/ethnic group	1981-1984		1985-1989		1990-1994		1995-1999		2000-2004		Total	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Perinatal												
White	0	--	2	40.0%	4	22.2%	5	31.3%	1	33.3%	12	28.6%
Black	0	--	3	60.0%	10	55.6%	10	62.5%	2	66.7%	25	59.5%
Asian	0	--	0	0.0%	1	5.6%	0	0.0%	0	0.0%	1	2.4%
South Asian	0	--	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Arab/West Asian	0	--	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Latin American	0	--	0	0.0%	2	11.1%	1	6.3%	0	0.0%	3	7.1%
Aboriginal	0	--	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Other	0	--	0	0.0%	1	5.6%	0	0.0%	0	0.0%	1	2.4%
Unknown	0		2		4		3		4		13	
Total	0		7		22		19		7		55	
NIR												
White	2	100%	14	87.5%	32	84.2%	24	66.7%	12	75.0%	84	77.8%
Black	0	0.0%	2	12.5%	0	0.0%	4	11.1%	1	6.3%	7	6.5%
Asian	0	0.0%	0	0.0%	1	2.6%	3	8.3%	1	6.3%	5	4.6%
South Asian	0	0.0%	0	0.0%	0	0.0%	2	5.6%	0	0.0%	2	1.9%
Arab/West Asian	0	0.0%	0	0.0%	0	0.0%	1	2.8%	0	0.0%	1	0.93%
Latin American	0	0.0%	0	0.0%	2	5.3%	0	0.0%	0	0.0%	2	1.9%
Aboriginal	0	0.0%	0	0.0%	0	0.0%	2	5.6%	1	6.3%	3	2.8%
Other	0	0.0%	0	0.0%	3	7.9%	0	0.0%	1	6.3%	4	3.7%
Unknown	2		34		81		31		31		179	
Total	4		50		119		67		47		287	
Overall												
White	54	94.7%	1,173	89.2%	2,016	84.0%	946	74.5%	253	53.6%	4,442	80.6%
Black	0	0.0%	56	4.3%	183	7.6%	178	14.0%	120	25.4%	537	9.7%
Asian	2	3.5%	18	1.4%	59	2.5%	37	2.9%	29	6.1%	145	2.6%
South Asian	0	0.0%	10	0.76%	19	0.79%	18	1.4%	18	3.8%	65	1.2%
Arab/West Asian	0	0.0%	1	0.08%	4	0.17%	10	0.79%	5	1.1%	20	0.36%
Latin American	0	0.0%	36	2.7%	66	2.8%	41	3.2%	19	4.0%	162	2.9%
Aboriginal	0	0.0%	9	0.68%	19	0.79%	18	1.4%	15	3.2%	61	1.1%
Other	1	1.8%	12	0.91%	33	1.4%	22	1.7%	13	2.8%	81	1.5%
Unknown	32		707		895		386		278		2,298	
Total	89		2,022		3,294		1,656		750		7,811	

1. Column percent of cases with known race/ethnicity

Data source: HIV Laboratory, Laboratories Division, Ontario Ministry of Health and Long-Term Care
 Analyzed by: Ontario HIV Epidemiologic Monitoring Unit

Table 1.5 Number and proportion¹ of AIDS cases by race/ethnicity and health region, Ontario, 1981 to 2004

Race/ethnic group	Northern		Ottawa		Eastern, other		Toronto		Central East, other		Central West		Southwest		Total	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
White	108	87.1%	447	78.3%	83	91.2%	3,230	80.9%	175	67.0%	224	82.1%	175	86.6%	4,442	80.6%
Black	2	1.6%	97	17.0%	4	4.4%	366	9.2%	34	13.0%	24	8.8%	10	5.0%	537	9.7%
Asian	1	0.8%	4	0.70%	0	0.0%	114	2.9%	19	7.3%	3	1.1%	4	2.0%	145	2.6%
South Asian	0	0.0%	1	0.18%	0	0.0%	57	1.4%	5	1.9%	1	0.37%	1	0.50%	65	1.2%
Arab/West Asian	0	0.0%	3	0.53%	0	0.0%	10	0.25%	5	1.9%	1	0.37%	1	0.50%	20	0.36%
Latin American	0	0.0%	9	1.6%	0	0.0%	138	3.5%	6	2.3%	6	2.2%	3	1.5%	162	2.9%
Aboriginal	12	9.7%	7	1.2%	3	3.3%	28	0.70%	1	0.38%	5	1.8%	5	2.5%	61	1.1%
Other	1	0.81%	3	0.53%	1	1.1%	48	1.2%	16	6.1%	9	3.3%	3	1.5%	81	1.5%
Unknown	96		54		136		742		447		409		414		2,298	
Total	220		625		227		4,733		708		682		616		7,811	

1. Column percent of cases with known race/ethnicity

Data source: HIV Laboratory, Laboratories Division, Ontario Ministry of Health and Long-Term Care
 Analyzed by: Ontario HIV Epidemiologic Monitoring Unit

Table 1.5a Number and proportion¹ of AIDS cases among males by race/ethnicity and health region, Ontario, 1981 to 2004

Race/ethnic group	Northern		Ottawa		Eastern, other		Toronto		Central East, other		Central West		Southwest		Total	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
White	95	88.8%	424	84.1%	72	96.0%	3,143	83.1%	146	68.5%	206	85.8%	154	88.5%	4,240	83.2%
Black	1	0.93%	54	10.7%	0	0.0%	273	7.2%	24	11.3%	15	6.3%	9	5.2%	376	7.4%
Asian	1	0.93%	4	0.79%	0	0.0%	107	2.8%	18	8.5%	3	1.3%	3	1.7%	136	2.7%
South Asian	0	0.0%	0	0.0%	0	0.0%	52	1.4%	4	1.9%	0	0.0%	1	0.57%	57	1.1%
Arab/West Asian	0	0.0%	3	0.60%	0	0.0%	8	0.21%	4	1.9%	1	0.42%	1	0.57%	17	0.33%
Latin American	0	0.0%	9	1.8%	0	0.0%	129	3.4%	5	2.3%	5	2.1%	2	1.1%	150	2.9%
Aboriginal	9	8.4%	7	1.4%	2	2.7%	27	0.71%	1	0.47%	2	0.83%	2	1.1%	50	0.98%
Other	1	0.93%	3	0.60%	1	1.3%	43	1.1%	11	5.2%	8	3.3%	2	1.1%	69	1.4%
Unknown	83		49		126		691		397		377		390		2,113	
Total	190		553		201		4,473		610		617		564		7,208	

1. Column percent of cases with known race/ethnicity

Data source: HIV Laboratory, Laboratories Division, Ontario Ministry of Health and Long-Term Care
 Analyzed by: Ontario HIV Epidemiologic Monitoring Unit

Table 1.5b Number and proportion¹ of AIDS cases among females by race/ethnicity and health region, Ontario, 1981 to 2004

Race/ethnic group	Northern		Ottawa		Eastern, other		Toronto		Central East, other		Central West		Southwest		Total	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
White	13	76.5%	23	34.3%	11	68.8%	87	41.6%	29	60.4%	18	54.5%	21	75.0%	202	48.3%
Black	1	5.9%	43	64.2%	4	25.0%	93	44.5%	10	20.8%	9	27.3%	1	3.6%	161	38.5%
Asian	0	0.0%	0	0.0%	0	0.0%	7	3.3%	1	2.1%	0	0.0%	1	3.6%	9	2.2%
South Asian	0	0.0%	1	1.5%	0	0.0%	5	2.4%	1	2.1%	1	3.0%	0	0.0%	8	1.9%
Arab/West Asian	0	0.0%	0	0.0%	0	0.0%	2	0.96%	1	2.1%	0	0.0%	0	0.0%	3	0.72%
Latin American	0	0.0%	0	0.0%	0	0.0%	9	4.3%	1	2.1%	1	3.0%	1	3.6%	12	2.9%
Aboriginal	3	17.6%	0	0.0%	1	6.3%	1	0.48%	0	0.0%	3	9.1%	3	10.7%	11	2.6%
Other	0	0.0%	0	0.0%	0	0.0%	5	2.4%	5	10.4%	1	3.0%	1	3.6%	12	2.9%
Unknown	13		5		10		51		50		32		24		185	
Total	30		72		26		260		98		65		52		603	

1. Column percent of cases with known race/ethnicity

Data source: HIV Laboratory, Laboratories Division, Ontario Ministry of Health and Long-Term Care
 Analyzed by: Ontario HIV Epidemiologic Monitoring Unit

Table 1.6-1 Number and proportion¹ of AIDS cases by exposure category, race/ethnicity, and health region, Ontario, 1981 to 2004

Race/ethnic group	Northern		Ottawa		Eastern, other		Toronto		Central East, other		Central West		Southwest		Total	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
MSM																
White	57	93.4%	324	93.6%	38	97.4%	2,765	87.9%	91	77.8%	142	94.0%	97	90.7%	3,514	88.6%
Black	0	0.0%	7	2.0%	0	0.0%	122	3.9%	9	7.7%	2	1.3%	1	0.93%	141	3.6%
Asian	0	0.0%	2	0.58%	0	0.0%	84	2.7%	11	9.4%	1	0.66%	3	2.8%	101	2.5%
South Asian	0	0.0%	0	0.0%	0	0.0%	24	0.76%	0	0.0%	0	0.0%	1	0.93%	25	0.63%
Arab/West Asian	0	0.0%	1	0.29%	0	0.0%	3	0.10%	0	0.0%	0	0.0%	1	0.93%	5	0.13%
Latin American	0	0.0%	7	2.0%	0	0.0%	100	3.2%	4	3.4%	2	1.3%	1	0.93%	114	2.9%
Aboriginal	3	4.9%	4	1.2%	1	2.6%	18	0.57%	0	0.0%	1	0.66%	1	0.93%	28	0.71%
Other	1	1.6%	1	0.29%	0	0.0%	31	0.99%	2	1.7%	3	2.0%	2	1.9%	40	1.0%
Unknown	47		33		59		496		235		269		281		1,420	
Total	108		379		98		3,643		352		420		388		5,388	
MSM-IDU																
White	8	80.0%	20	95.2%	5	100%	140	88.6%	4	100%	7	87.5%	12	92.3%	196	89.5%
Black	0	0.0%	0	0.0%	0	0.0%	7	4.4%	0	0.0%	1	12.5%	1	7.7%	9	4.1%
Asian	0	0.0%	0	0.0%	0	0.0%	1	0.6%	0	0.0%	0	0.0%	0	0.0%	1	0.46%
South Asian	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Arab/West Asian	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Latin American	0	0.0%	0	0.0%	0	0.0%	5	3.2%	0	0.0%	0	0.0%	0	0.0%	5	2.3%
Aboriginal	2	20.0%	1	4.8%	0	0.0%	3	1.9%	0	0.0%	0	0.0%	0	0.0%	6	2.7%
Other	0	0.0%	0	0.0%	0	0.0%	2	1.3%	0	0.0%	0	0.0%	0	0.0%	2	0.91%
Unknown	6		2		7		29		16		14		21		95	
Total	16		23		12		187		20		22		34		314	
IDU																
White	16	72.7%	41	85.4%	20	90.9%	71	77.2%	13	86.7%	16	80.0%	15	88.2%	192	81.4%
Black	0	0.0%	3	6.3%	0	0.0%	8	8.7%	1	6.7%	1	5.0%	0	0.0%	13	5.5%
Asian	1	4.5%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	1	0.42%
South Asian	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Arab/West Asian	0	0.0%	0	0.0%	0	0.0%	1	1.1%	0	0.0%	0	0.0%	0	0.0%	1	0.42%
Latin American	0	0.0%	1	2.1%	0	0.0%	5	5.4%	0	0.0%	1	5.0%	0	0.0%	7	3.0%
Aboriginal	5	22.7%	2	4.2%	1	4.5%	6	6.5%	1	6.7%	1	5.0%	2	11.8%	18	7.6%
Other	0	0.0%	1	2.1%	1	4.5%	1	1.1%	0	0.0%	1	5.0%	0	0.0%	4	1.7%
Unknown	8		8		13		37		19		25		16		126	
Total	30		56		35		129		34		45		33		362	
Hetero																
White	8	88.9%	31	83.8%	9	90.0%	166	69.5%	42	67.7%	31	79.5%	32	86.5%	319	73.7%
Black	0	0.0%	1	2.7%	0	0.0%	13	5.4%	4	6.5%	4	10.3%	1	2.7%	23	5.3%
Asian	0	0.0%	1	2.7%	0	0.0%	19	7.9%	3	4.8%	0	0.0%	1	2.7%	24	5.5%
South Asian	0	0.0%	0	0.0%	0	0.0%	17	7.1%	2	3.2%	0	0.0%	0	0.0%	19	4.4%
Arab/West Asian	0	0.0%	2	5.4%	0	0.0%	2	0.84%	2	3.2%	1	2.6%	0	0.0%	7	1.6%
Latin American	0	0.0%	1	2.7%	0	0.0%	18	7.5%	2	3.2%	1	2.6%	1	2.7%	23	5.3%
Aboriginal	1	11.1%	0	0.0%	1	10.0%	1	0.42%	0	0.0%	2	5.1%	1	2.7%	6	1.4%
Other	0	0.0%	1	2.7%	0	0.0%	3	1.3%	7	11.3%		0.0%	1	2.7%	12	2.8%
Unknown	17		3		6		56		73		45		36		236	
Total	26		40		16		295		135		84		73		669	

1. Column percent of cases with known race/ethnicity

Data source: HIV Laboratory, Laboratories Division, Ontario Ministry of Health and Long-Term Care
 Analyzed by: Ontario HIV Epidemiologic Monitoring Unit

Table 1.6-2 Number and proportion¹ of AIDS cases by exposure category, race/ethnicity, and health region, Ontario, 1981 to 2004

Race/ethnic group	Northern		Ottawa		Eastern, other		Toronto		Central East, other		Central West		Southwest		Total	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
HIV-endemic																
White	3	60.0%	1	1.3%	0	0.0%	4	1.7%	0	0.0%	3	13.6%	0	0.0%	11	3.0%
Black	2	40.0%	75	96.2%	4	100%	196	85.2%	14	58.3%	16	72.7%	6	100%	313	84.8%
Asian	0	0.0%	1	1.3%	0	0.0%	1	0.43%	2	8.3%	0	0.0%	0	0.0%	4	1.1%
South Asian	0	0.0%	1	1.3%	0	0.0%	12	5.2%	2	8.3%	1	4.5%	0	0.0%	16	4.3%
Arab/West Asian	0	0.0%	0	0.0%	0	0.0%	4	1.7%	1	4.2%	0	0.0%	0	0.0%	5	1.4%
Latin American	0	0.0%	0	0.0%	0	0.0%	3	1.3%	0	0.0%	1	4.5%	0	0.0%	4	1.1%
Aboriginal	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Other	0	0.0%	0	0.0%	0	0.0%	10	4.3%	5	20.8%	1	4.5%	0	0.0%	16	4.3%
Unknown	3		0	0	0		66		14		11		4		98	
Total	8		78		4		296		38		33		10		467	
Transfusion																
White	2	100%	7	87.5%	3	100%	28	77.8%	3	50.0%	10	83.3%	3	75.0%	56	78.9%
Black	0	0.0%	1	12.5%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	1	25.0%	2	2.8%
Asian	0	0.0%	0	0.0%	0	0.0%	6	16.7%	0	0.0%	1	8.3%	0	0.0%	7	9.9%
South Asian	0	0.0%	0	0.0%	0	0.0%	1	2.8%	1	16.7%	0	0.0%	0	0.0%	2	2.8%
Arab/West Asian	0	0.0%	0	0.0%	0	0.0%	0	0.0%	1	16.7%	0	0.0%	0	0.0%	1	1.4%
Latin American	0	0.0%	0	0.0%	0	0.0%	1	2.8%	0	0.0%	1	8.3%	0	0.0%	2	2.8%
Aboriginal	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Other	0	0.0%	0	0.0%	0	0.0%	0	0.0%	1	16.7%	0	0.0%	0	0.0%	1	1.4%
Unknown	5		2		8		13		33		5		7		73	
Total	7		10		11		49		39		17		11		144	
Clotting factor																
White	7	100%	9	90.0%	1	100%	18	78.3%	8	88.9%	6	100%	4	100%	53	88.3%
Black	0	0.0%	1	10.0%	0	0.0%	2	8.7%	1	11.1%	0	0.0%	0	0.0%	4	6.7%
Asian	0	0.0%	0	0.0%	0	0.0%	1	4.3%	0	0.0%	0	0.0%	0	0.0%	1	1.7%
South Asian	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Arab/West Asian	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Latin American	0	0.0%	0	0.0%	0	0.0%	1	4.3%	0	0.0%	0	0.0%	0	0.0%	1	1.7%
Aboriginal	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Other	0	0.0%	0	0.0%	0	0.0%	1	4.3%	0	0.0%	0	0.0%	0	0.0%	1	1.7%
Unknown	4		2		8		3		17		12		12		58	
Total	11		12		9		26		26		18		16		118	
Other/Occupation																
White	0	--	2	100%	0	--	2	50.0%	1	100%	0	--	0	--	5	71.4%
Black	0	--	0	0.0%	0	--	0	0.0%	0	0.0%	0	--	0	--	0	0.0%
Asian	0	--	0	0.0%	0	--	0	0.0%	0	0.0%	0	--	0	--	0	0.0%
South Asian	0	--	0	0.0%	0	--	1	25.0%	0	0.0%	0	--	0	--	1	14.3%
Arab/West Asian	0	--	0	0.0%	0	--	0	0.0%	0	0.0%	0	--	0	--	0	0.0%
Latin American	0	--	0	0.0%	0	--	1	25.0%	0	0.0%	0	--	0	--	1	14.3%
Aboriginal	0	--	0	0.0%	0	--	0	0.0%	0	0.0%	0	--	0	--	0	0.0%
Other	0	--	0	0.0%	0	--	0	0.0%	0	0.0%	0	--	0	--	0	0.0%
Unknown	0		0		0		0		0		0		0		0	
Total	0		2		0		4		1		0		0		7	

1. Column percent of cases with known race/ethnicity

Data source: HIV Laboratory, Laboratories Division, Ontario Ministry of Health and Long-Term Care
 Analyzed by: Ontario HIV Epidemiologic Monitoring Unit

Table 1.6-3 Number and proportion¹ of AIDS cases by exposure category, race/ethnicity, and health region, Ontario, 1981 to 2004

Race/ethnic group	Northern		Ottawa		Eastern, other		Toronto		Central East, other		Central West		Southwest		Total	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Perinatal																
White	0	--	1	12.5%	0	--	7	26.9%	4	80.0%	0	0.0%	0	0.0%	12	28.6%
Black	0	--	7	87.5%	0	--	17	65.4%	1	20.0%	0	0.0%	0	0.0%	25	59.5%
Asian	0	--	0	0.0%	0	--	0	0.0%	0	0.0%	1	50.0%	0	0.0%	1	2.4%
South Asian	0	--	0	0.0%	0	--	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Arab/West Asian	0	--	0	0.0%	0	--	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Latin American	0	--	0	0.0%	0	--	2	7.7%	0	0.0%	0	0.0%	1	100%	3	7.1%
Aboriginal	0	--	0	0.0%	0	--	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Other	0	--	0	0.0%	0	--	0	0.0%	0	0.0%	1	50.0%	0	0.0%	1	2.4%
Unknown	1		2		1		4		2		2		1		13	
Total	1		10		1		30		7		4		2		55	
NIR																
White	7	87.5%	11	84.6%	7	100%	29	80.6%	9	50.0%	9	69.2%	12	92.3%	84	77.8%
Black	0	0.0%	2	15.4%	0	0.0%	1	2.8%	4	22.2%	0	0.0%	0	0.0%	7	6.5%
Asian	0	0.0%	0	0.0%	0	0.0%	2	5.6%	3	16.7%	0	0.0%	0	0.0%	5	4.6%
South Asian	0	0.0%	0	0.0%	0	0.0%	2	5.6%	0	0.0%	0	0.0%	0	0.0%	2	1.9%
Arab/West Asian	0	0.0%	0	0.0%	0	0.0%	0	0.0%	1	5.6%	0	0.0%	0	0.0%	1	0.93%
Latin American	0	0.0%	0	0.0%	0	0.0%	2	5.6%	0	0.0%	0	0.0%	0	0.0%	2	1.9%
Aboriginal	1	12.5%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	1	7.7%	1	7.7%	3	2.8%
Other	0	0.0%	0	0.0%	0	0.0%	0	0.0%	1	5.6%	3	23.1%	0	0.0%	4	3.7%
Unknown	5		2		34		38		38		26		36		179	
Total	13		15		41		74		56		39		49		287	
Overall																
White	108	87.1%	447	78.3%	83	91.2%	3,230	80.9%	175	67.0%	224	82.1%	175	86.6%	4,442	80.6%
Black	2	1.6%	97	17.0%	4	4.4%	366	9.2%	34	13.0%	24	8.8%	10	5.0%	537	9.7%
Asian	1	0.8%	4	0.70%	0	0.0%	114	2.9%	19	7.3%	3	1.1%	4	2.0%	145	2.6%
South Asian	0	0.0%	1	0.18%	0	0.0%	57	1.4%	5	1.9%	1	0.37%	1	0.50%	65	1.2%
Arab/West Asian	0	0.0%	3	0.53%	0	0.0%	10	0.25%	5	1.9%	1	0.37%	1	0.50%	20	0.36%
Latin American	0	0.0%	9	1.6%	0	0.0%	138	3.5%	6	2.3%	6	2.2%	3	1.5%	162	2.9%
Aboriginal	12	9.7%	7	1.2%	3	3.3%	28	0.70%	1	0.38%	5	1.8%	5	2.5%	61	1.1%
Other	1	0.81%	3	0.53%	1	1.1%	48	1.2%	16	6.1%	9	3.3%	3	1.5%	81	1.5%
Unknown	96		54		136		742		447		409		414		2,298	
Total	220		625		227		4,733		708		682		616		7,811	

1. Column percent of cases with known race/ethnicity

Data source: HIV Laboratory, Laboratories Division, Ontario Ministry of Health and Long-Term Care
 Analyzed by: Ontario HIV Epidemiologic Monitoring Unit

Table 1.7 Number and proportion¹ of AIDS cases by age at AIDS diagnosis and race/ethnicity, Ontario, 1981 to 2004

Age group (year)	White		Black		Asian		South Asian		Arab/West Asian		Latin American		Aboriginal		Other		Unk.	Total
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%		
<15	21	0.47%	27	5.0%	1	0.69%	0	0.0%	0	0.0%	3	1.9%	0	0.0%	3	3.7%	23	78
15-19	8	0.18%	2	0.37%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	11	21
20-24	136	3.1%	18	3.4%	4	2.8%	1	1.5%	1	5.0%	5	3.1%	4	6.6%	0	0.0%	97	266
25-29	515	11.6%	91	16.9%	20	13.8%	3	4.6%	3	15.0%	25	15.4%	12	19.7%	11	13.6%	352	1,032
30-34	955	21.5%	122	22.7%	30	20.7%	12	18.5%	4	20.0%	42	25.9%	17	27.9%	19	23.5%	499	1,700
35-39	1,002	22.6%	98	18.2%	34	23.4%	18	27.7%	5	25.0%	27	16.7%	13	21.3%	14	17.3%	430	1,641
40-44	765	17.2%	84	15.6%	35	24.1%	14	21.5%	2	10.0%	23	14.2%	6	9.8%	15	18.5%	362	1,306
45-49	480	10.8%	49	9.1%	8	5.5%	10	15.4%	3	15.0%	21	13.0%	2	3.3%	11	13.6%	222	806
50-54	267	6.0%	20	3.7%	10	6.9%	4	6.2%	1	5.0%	10	6.2%	2	3.3%	4	4.9%	116	434
55-59	142	3.2%	13	2.4%	1	0.69%	1	1.5%	0	0.0%	3	1.9%	4	6.6%	3	3.7%	94	261
60+	151	3.4%	13	2.4%	2	1.4%	2	3.1%	1	5.0%	3	1.9%	1	1.6%	1	1.2%	90	264
Unknown	0		0		0		0		0		0		0		0		2	2
Total	4,442		537		145		65		20		162		61		81		2,298	7,811

1. Column percent of cases with known age

Data source: HIV Laboratory, Laboratories Division, Ontario Ministry of Health and Long-Term Care
 Analyzed by: Ontario HIV Epidemiologic Monitoring Unit

Table 2.1 Number and proportion¹ of reported HIV cases by year of HIV diagnosis and race/ethnicity, Toronto, Ontario 1980 to 2004²

Year of diagnosis	White		Black		Asian		South Asian		Arab/West Asian		Latin American		Aboriginal		Other		Unk.	Total
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%		
1980	1	50.0%	1	50.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	1	3
1981	0	--	0	--	0	--	0	--	0	--	0	--	0	--	0	--	0	0
1982	1	100%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	1
1983	4	80.0%	1	20.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	4	9
1984	12	75.0%	2	12.5%	1	6.3%	1	6.3%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	8	24
1985	23	88.5%	2	7.7%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	1	3.8%	115	141
1986	54	90.0%	1	1.7%	1	1.7%	0	0.0%	0	0.0%	2	3.3%	0	0.0%	2	3.3%	299	359
1987	183	90.6%	6	3.0%	2	1.0%	6	3.0%	0	0.0%	1	0.50%	2	0.99%	2	1.0%	388	590
1988	270	89.1%	17	5.6%	3	1.0%	4	1.3%	0	0.0%	4	1.3%	2	0.66%	3	1.0%	242	545
1989	408	86.4%	30	6.4%	7	1.5%	5	1.1%	0	0.0%	14	3.0%	1	0.21%	7	1.5%	294	766
1990	457	87.2%	24	4.6%	8	1.5%	8	1.5%	1	0.19%	15	2.9%	4	0.76%	7	1.3%	280	804
1991	259	82.2%	32	10.2%	3	1.0%	4	1.3%	1	0.32%	4	1.3%	3	0.95%	9	2.9%	284	599
1992	257	71.6%	53	14.8%	8	2.2%	6	1.7%	0	0.0%	13	3.6%	11	3.1%	11	3.1%	270	629
1993	225	73.8%	46	15.1%	6	2.0%	6	2.0%	2	0.66%	7	2.3%	6	2.0%	7	2.3%	205	510
1994	239	72.6%	52	15.8%	6	1.8%	6	1.8%	0	0.0%	16	4.9%	4	1.2%	6	1.8%	142	471
1995	228	67.3%	70	20.6%	7	2.1%	5	1.5%	0	0.0%	19	5.6%	4	1.2%	6	1.8%	152	491
1996	210	62.7%	62	18.5%	11	3.3%	5	1.5%	1	0.30%	15	4.5%	9	2.7%	22	6.6%	94	429
1997	173	62.0%	59	21.1%	18	6.5%	7	2.5%	2	0.72%	11	3.9%	4	1.4%	5	1.8%	84	363
1998	157	59.0%	65	24.4%	5	1.9%	8	3.0%	1	0.38%	17	6.4%	4	1.5%	9	3.4%	72	338
1999	168	62.5%	62	23.0%	6	2.2%	8	3.0%	5	1.9%	11	4.1%	5	1.9%	4	1.5%	94	363
2000	117	54.9%	60	28.2%	4	1.9%	10	4.7%	4	1.9%	14	6.6%	0	0.0%	4	1.9%	170	383
2001	112	44.6%	85	33.9%	16	6.4%	11	4.4%	1	0.40%	15	6.0%	6	2.4%	5	2.0%	183	434
2002	174	48.7%	116	32.5%	27	7.6%	9	2.5%	3	0.84%	22	6.2%	1	0.28%	5	1.4%	190	547
2003	101	42.3%	87	36.4%	12	5.0%	4	1.7%	9	3.8%	19	7.9%	2	0.84%	5	2.1%	258	497
2004	41	60.3%	12	17.6%	1	1.5%	4	5.9%	0	0.0%	8	11.8%	0	0.0%	2	2.9%	97	165
Total	3,874	70.0%	944	17.1%	152	2.7%	117	2.1%	30	0.54%	227	4.1%	68	1.2%	122	2.2%	3,925	9,461

1 Row percent of cases with known race/ethnicity

2 Data incomplete for 2004 (data to April 2004)

Data source: Toronto Public Health Unit

Analyzed by: Ontario HIV Epidemiologic Monitoring Unit

Table 2.2a Number and proportion¹ of reported HIV cases by race/ethnicity and period of HIV diagnosis, Toronto, Ontario, 1980 to 2004²

Race/ethnic group	1980-1984		1985-1989		1990-1994		1995-1999		2000-2004		Total	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
White	18	75.0%	938	88.2%	1,437	78.4%	936	62.9%	545	48.3%	3,874	70.0%
Black	4	16.7%	56	5.3%	207	11.3%	318	21.4%	360	31.9%	945	17.1%
Asian	1	4.2%	13	1.2%	31	1.7%	47	3.2%	60	5.3%	152	2.7%
South Asian	1	4.2%	15	1.4%	30	1.6%	33	2.2%	38	3.4%	117	2.1%
Arab/West Asian	0	0.0%	0	0.0%	4	0.22%	9	0.60%	17	1.5%	30	0.54%
Latin American	0	0.0%	21	2.0%	55	3.0%	73	4.9%	78	6.9%	227	4.1%
Aboriginal	0	0.0%	5	0.47%	28	1.5%	26	1.7%	9	0.80%	68	1.2%
Other	0	0.0%	15	1.4%	40	2.2%	46	3.1%	21	1.9%	122	2.2%
Unknown	13		1,338		1,181		496		898		3,926	
Total	37	100%	2,401	100%	3,013	100%	1,984	100%	2,026	100%	9,461	100%

1 Column percent of cases with known race/ethnicity

2 Data incomplete for 2004 (data to April 2004)

Data source: Toronto Public Health Unit

Analyzed by: Ontario HIV Epidemiologic Monitoring Unit

Table 2.2b Number and proportion¹ of reported HIV cases by sex, race/ethnicity and period of HIV diagnosis, Toronto, Ontario, 1980 to 2004²

Race/ethnic group	1980-1984		1985-1989		1990-1994		1995-1999		2000-2004		Total	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Males												
White	18	75.0%	904	88.9%	1,342	81.2%	862	68.1%	507	59.8%	3,633	75.6%
Black	4	16.7%	47	4.6%	141	8.5%	197	15.6%	159	18.8%	548	11.4%
Asian	1	4.2%	13	1.3%	30	1.8%	40	3.2%	53	6.3%	137	2.9%
South Asian	1	4.2%	14	1.4%	29	1.8%	27	2.1%	28	3.3%	99	2.1%
Arab/West Asian	0	0.0%	0	0.0%	4	0.24%	8	0.63%	15	1.8%	27	0.56%
Latin American	0	0.0%	21	2.1%	48	2.9%	70	5.5%	68	8.0%	207	4.3%
Aboriginal	0	0.0%	4	0.39%	24	1.5%	20	1.6%	5	0.59%	53	1.1%
Other	0	0.0%	14	1.4%	34	2.1%	42	3.3%	13	1.5%	103	2.1%
Unknown	12		1,287		1,064		429		723		3,515	
Total	36	100%	2,304	100%	2,716	100%	1,695	100%	1,571	100%	8,322	100%
Females												
White	0	--	32	72.7%	93	52.5%	71	32.7%	34	12.5%	230	32.3%
Black	0	--	9	20.5%	65	36.7%	119	54.8%	199	72.9%	392	55.1%
Asian	0	--	0	0.0%	1	0.56%	7	3.2%	7	2.6%	15	2.1%
South Asian	0	--	1	2.3%	1	0.56%	6	2.8%	10	3.7%	18	2.5%
Arab/West Asian	0	--	0	0.0%	0	0.0%	1	0.46%	2	0.73%	3	0.42%
Latin American	0	--	0	0.0%	7	4.0%	3	1.4%	10	3.7%	20	2.8%
Aboriginal	0	--	1	2.3%	4	2.3%	6	2.8%	4	1.5%	15	2.1%
Other	0	--	1	2.3%	6	3.4%	4	1.8%	7	2.6%	18	2.5%
Unknown	0		36		81		60		165		342	
Total	0	--	80	100%	258	100%	277	100%	438	100%	1,053	100%

1 Column percent of cases with known race/ethnicity

2 Data incomplete for 2004 (data to April 2004)

Data source: Toronto Public Health Unit

Analyzed by: Ontario HIV Epidemiologic Monitoring Unit

Table 2.3a Number and proportion¹ of reported HIV cases by exposure category, and race/ethnicity Toronto, Ontario, 1980 to 2004²

Exposure category	White		Black		Asian		South Asian		Arab/West Asian		Latin America		Aboriginal		Other		Unk.	Total	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	No.	%
MSM	3,131	81.9%	200	21.4%	108	72.5%	58	53.7%	23	76.7%	169	76.1%	33	50.8%	74	61.7%	2,605	6,401	72.7%
MSM-IDU	155	4.1%	9	0.96%	1	0.67%	0	0.0%	0	0.0%	4	1.8%	7	10.8%	3	2.5%	122	301	3.4%
IDU	238	6.2%	15	1.6%	1	0.67%	7	6.5%	1	3.3%	5	2.3%	14	21.5%	2	1.7%	124	407	4.6%
HIV-endemic	18	0.47%	528	56.4%	6	4.0%	11	10.2%	4	13.3%	11	5.0%	1	1.5%	16	13.3%	189	784	8.9%
Hetero	252	6.6%	146	15.6%	29	19.5%	28	25.9%	1	3.3%	32	14.4%	8	12.3%	22	18.3%	287	805	9.1%
Transfusion	15	0.39%	11	1.2%	3	2.0%	1	0.93%	1	3.3%	1	0.5%	2	3.1%	0	0.0%	16	50	0.57%
Perinatal	12	0.31%	27	2.9%	1	0.67%	3	2.8%	0	0.0%	0	0.0%	0	0.0%	3	2.5%	12	58	0.66%
Other	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	1	1	0.0%
NIR	53		9		3		9		0		5		1		4		570	654	
Total	3,874	100%	945	100%	152	100%	117	100%	30	100%	227	100%	66	100%	124	100%	3,926	9,461	100%

1 Column percent of cases with known exposure category

2 Data incomplete in 2004 (data to April 2004)

Data source: Toronto Public Health Unit

Analyzed by: Ontario HIV Epidemiologic Monitoring Unit

**Table 2.3b Number and proportion¹ of reported HIV cases by sex, exposure category, and race/ethnicity
Toronto, Ontario, 1980 to 2004²**

Exposure category	White		Black		Asian		South Asian		Arab/West Asian		Latin America		Aboriginal		Other		Unk.	Total	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	No.	%
Males																			
MSM	3,131	87.0%	200	36.8%	108	79.4%	58	63.0%	23	85.2%	169	83.7%	33	63.5%	74	74.0%	2,605	6,401	81.8%
MSM-IDU	155	4.3%	9	1.7%	1	0.74%	0	0.0%	0	0.0%	4	2.0%	8	15.4%	2	2.0%	122	301	3.8%
IDU	158	4.4%	9	1.7%	1	0.74%	7	7.6%	1	3.7%	4	2.0%	6	11.5%	1	1.0%	90	277	3.5%
HIV-endemic	10	0.28%	236	43.5%	2	1.5%	8	8.7%	2	7.4%	5	2.5%	0	0.0%	7	7.0%	86	356	4.6%
Hetero	132	3.7%	72	13.3%	21	15.4%	16	17.4%	1	3.7%	20	9.9%	4	7.7%	14	14.0%	151	431	5.5%
Transfusion	10	0.28%	5	0.92%	3	2.2%	1	1.1%	0	0.0%	0	0.0%	1	1.9%	0	0.0%	8	28	0.36%
Perinatal	4	0.11%	12	2.2%	0	0.0%	2	2.2%	0	0.0%	0	0.0%	0	0.0%	2	2.0%	6	26	0.33%
Other	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	1	1	0.0%
NIR	33		5		1		7		0		5		1		3		446	501	
Total	3,633	100%	548	100%	137	100%	99	100%	27	100%	207	100%	53	100%	103	100%	3,515	8,322	100%
Females																			
IDU	80	36.2%	6	1.5%	0	0.0%	0	0.0%	0	0.0%	1	5.0%	8	53.3%	1	5.9%	31	127	13.1%
HIV-endemic	8	3.6%	288	74.2%	4	30.8%	3	18.8%	2	66.7%	6	30.0%	1	6.7%	8	47.1%	101	421	43.3%
Hetero	120	54.3%	73	18.8%	8	61.5%	12	75.0%	0	0.0%	12	60.0%	5	33.3%	7	41.2%	134	371	38.1%
Transfusion	5	2.3%	6	1.5%	0	0.0%	0	0.0%	1	33.3%	1	5.0%	1	6.7%	0	0.0%	8	22	2.3%
Perinatal	8	3.6%	15	3.9%	1	7.7%	1	6.3%	0	0.0%	0	0.0%	0	0.0%	1	5.9%	6	32	3.3%
Other	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0	0.0%
NIR	9		4		2		2		0		0		0		1		62	80	
Total	230	100%	392	100%	15	100%	18	100%	3	100%	20	100%	15	100%	18	100%	342	1,053	100%

1 Column percent of cases with known exposure category

2 Data incomplete in 2004 (data to April 2004)

Data source: Toronto Public Health Unit

Analyzed by: Ontario HIV Epidemiologic Monitoring Unit

Table 2.4-1 Number and proportion¹ of reported HIV cases by selected exposure category, race/ethnicity, and period of HIV diagnosis, Toronto, Ontario, 1980 to 2004²

Race/ethnic group	1980-1984		1985-1989		1990-1994		1995-1999		2000-2004		Total	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
MSM												
White	14	82.4%	803	90.1%	1,137	87.1%	728	76.5%	449	71.2%	3,131	82.5%
Black	2	11.8%	32	3.6%	53	4.1%	69	7.2%	44	7.0%	200	5.3%
Asian	1	5.9%	12	1.3%	20	1.5%	31	3.3%	44	7.0%	108	2.8%
South Asian	0	0.0%	9	1.0%	20	1.5%	17	1.8%	12	1.9%	58	1.5%
Arab/West Asian	0	0.0%	0	0.0%	3	0.23%	6	0.63%	14	2.2%	23	0.61%
Latin American	0	0.0%	20	2.2%	38	2.9%	51	5.4%	60	9.5%	169	4.5%
Aboriginal	0	0.0%	3	0.34%	13	1.0%	13	1.4%	4	0.63%	33	0.87%
Other	0	0.0%	12	1.3%	21	1.6%	37	3.9%	4	0.63%	74	1.9%
Unknown	9		1,063		732		299		502		2,605	
Total	26		1,954		2,037		1,251		1,133		6,401	
MSM-IDU												
White	1	100%	46	86.8%	63	85.1%	30	83.3%	15	100%	155	86.6%
Black	0	0.0%	4	7.5%	3	4.1%	2	5.6%	0	0.0%	9	5.0%
Asian	0	0.0%	0	0.0%	0	0.0%	1	2.8%	0	0.0%	1	0.56%
South Asian	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Arab/West Asian	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Latin American	0	0.0%	1	1.9%	2	2.7%	1	2.8%	0	0.0%	4	2.2%
Aboriginal	0	0.0%	1	1.9%	5	6.8%	2	5.6%	0	0.0%	8	4.5%
Other	0	0.0%	1	1.9%	1	1.4%	0	0.0%		0.0%	2	1.1%
Unknown	0		49		46		13		14		122	
Total	1		102		120		49		29		301	
IDU												
White	1	33.3%	37	84.1%	118	86.1%	69	88.5%	13	61.9%	238	84.1%
Black	1	33.3%	4	9.1%	6	4.4%	1	1.3%	3	14.3%	15	5.3%
Asian	0	0.0%	0	0.0%	0	0.0%	1	1.3%	0	0.0%	1	0.35%
South Asian	1	33.3%	1	2.3%	1	0.73%	3	3.8%	1	4.8%	7	2.5%
Arab/West Asian	0	0.0%	0	0.0%	1	0.73%	0	0.0%	0	0.0%	1	0.35%
Latin American	0	0.0%	0	0.0%	4	2.9%	0	0.0%	1	4.8%	5	1.8%
Aboriginal	0	0.0%	1	2.3%	6	4.4%	4	5.1%	3	14.3%	14	4.9%
Other	0	0.0%	1	2.3%	1	0.73%	0	0.0%	0	0.0%	2	0.71%
Unknown	0		27		45		22		30		124	
Total	3		71		182		100		51		407	

1 Column percent of cases with known race/ethnicity

2 Data incomplete in 2004 (data to April 2004)

Data source: Toronto Public Health Unit

Analyzed by: Ontario HIV Epidemiologic Monitoring Unit

Table 2.4-2 Number and proportion¹ of reported HIV cases by selected exposure category, race/ethnicity, and period of HIV diagnosis, Toronto, Ontario, 1980 to 2004²

Race/ethnic group	1980-1984		1985-1989		1990-1994		1995-1999		2000-2004		Total	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
HIV-endemic												
White	1	100%	4	36.4%	7	7.5%	2	1.0%	4	1.3%	18	3.0%
Black	0	0.0%	6	54.5%	80	86.0%	176	92.1%	266	89.0%	528	88.7%
Asian	0	0.0%	0	0.0%	0	0.0%	2	1.0%	4	1.3%	6	1.0%
South Asian	0	0.0%	0	0.0%	1	1.1%	3	1.6%	7	2.3%	11	1.8%
Arab/West Asian	0	0.0%	0	0.0%	0	0.0%	1	0.52%	3	1.0%	4	0.67%
Latin American	0	0.0%	0	0.0%	2	2.2%	3	1.6%	6	2.0%	11	1.8%
Aboriginal	0	0.0%	0	0.0%	0	0.0%	1	0.52%	0	0.0%	1	0.17%
Other	0	0.0%	1	9.1%	3	3.2%	3	1.6%	9	3.0%	16	2.7%
Unknown	0		6		19		31		133		189	
Total	1		17		112		222		432		784	
Hetero												
White	0		27	73.0%	83	50.6%	88	49.2%	54	39.1%	252	48.6%
Black	0		7	18.9%	49	29.9%	51	28.5%	39	28.3%	146	28.2%
Asian	0		0	0.0%	9	5.5%	9	5.0%	11	8.0%	29	5.6%
South Asian	0		2	5.4%	4	2.4%	8	4.5%	14	10.1%	28	5.4%
Arab/West Asian	0		0	0.0%	0	0.0%	1	0.56%	0	0.0%	1	0.19%
Latin American	0		0	0.0%	7	4.3%	14	7.8%	11	8.0%	32	6.2%
Aboriginal	0		0	0.0%	3	1.8%	4	2.2%	2	1.4%	9	1.7%
Other	0		1	2.7%	9	5.5%	4	2.2%	7	5.1%	21	4.1%
Unknown	0		41		86		65		95		287	
Total	0		78		250		244		233		805	

1 Column percent of cases with known race/ethnicity

2 Data incomplete in 2004 (data to April 2004)

Data source: Toronto Public Health Unit

Analyzed by: Ontario HIV Epidemiologic Monitoring Unit

Table 3.1 Number and proportion¹ of reported HIV cases among by year of HIV diagnosis and race/ethnicity, Ottawa, Ontario 1983 to 2004³

Year of diagnosis	White		Black		Asian		South Asian		Arab/West Asian		Latin American		Aboriginal		Other		Unk.	Total
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%		
1983	1	100%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	1
1984	0	--	0	--	0	--	0	--	0	--	0	--	0	--	0	--	0	0
1985	24	96.0%	1	4.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	7	32
1986	22	95.7%	1	4.3%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	16	39
1987	26	68.4%	7	18.4%	1	2.6%	0	0.0%	2	5.3%	1	2.6%	1	2.6%	0	0.0%	17	55
1988	28	68.3%	9	22.0%	0	0.0%	0	0.0%	1	2.4%	2	4.9%	0	0.0%	1	2.4%	17	58
1989	34	75.6%	9	20.0%	0	0.0%	1	2.2%	1	2.2%	0	0.0%	0	0.0%	0	0.0%	11	56
1990	47	77.0%	10	16.4%	0	0.0%	0	0.0%	0	0.0%	1	1.6%	1	1.6%	2	3.3%	23	84
1991	33	70.2%	10	21.3%	1	2.1%	0	0.0%	2	4.3%	1	2.1%	0	0.0%	0	0.0%	17	64
1992	57	75.0%	17	22.4%	1	1.3%	1	1.3%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	16	92
1993	59	77.6%	16	21.1%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	1	1.3%	12	88
1994	49	77.8%	11	17.5%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	1	1.6%	2	3.2%	18	81
1995	28	53.8%	22	42.3%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	2	3.8%	0	0.0%	43	95
1996	8	26.7%	19	63.3%	0	0.0%	1	3.3%	0	0.0%	1	3.3%	1	3.3%	0	0.0%	50	80
1997	8	32.0%	15	60.0%	0	0.0%	0	0.0%	0	0.0%	2	8.0%	0	0.0%	0	0.0%	54	79
1998	16	48.5%	15	45.5%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	1	3.0%	1	3.0%	54	87
1999	17	42.5%	19	47.5%	0	0.0%	0	0.0%	0	0.0%	1	2.5%	3	7.5%	0	0.0%	42	82
2000	9	26.5%	22	64.7%	1	2.9%	0	0.0%	0	0.0%	0	0.0%	2	5.9%	0	0.0%	39	73
2001	13	28.3%	26	56.5%	1	2.2%	0	0.0%	0	0.0%	3	6.5%	2	4.3%	1	2.2%	35	81
2002	37	48.7%	33	43.4%	1	1.3%	0	0.0%	0	0.0%	3	3.9%	1	1.3%	1	1.3%	18	94
2003	37	53.6%	24	34.8%	1	1.4%	2	2.9%	0	0.0%	2	2.9%	3	4.3%	0	0.0%	16	85
2004	10	37.0%	14	51.9%	0	0.0%	0	0.0%	0	0.0%	1	3.7%	2	7.4%	0	0.0%	30	57
Total	563	60.7%	300	32.3%	7	0.8%	5	0.5%	6	0.65%	18	1.9%	20	2.2%	9	1.0%	535	1,463

1 Row percent of cases with known race/ethnicity

2 Data incomplete for 2004 (data to August 2004)

Data source: Ottawa Public Health Unit

Analyzed by: Ontario HIV Epidemiologic Monitoring Unit

Table 3.2a Number and proportion¹ of reported HIV cases by race/ethnicity and period of HIV diagnosis, Ottawa, Ontario, 1983 to 2004³

Race/ethnic group	1983-1984		1985-1989		1990-1994		1995-1999		2000-2004		Total	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
White	1	100%	134	77.9%	245	75.9%	77	42.8%	106	42.1%	563	60.7%
Black	0	0.0%	27	15.7%	64	19.8%	90	50.0%	119	47.2%	300	32.3%
Asian	0	0.0%	1	0.58%	2	0.62%	0	0.0%	4	1.6%	7	0.75%
South Asian	0	0.0%	1	0.58%	1	0.31%	1	0.56%	2	0.79%	5	0.54%
Arab/West Asian	0	0.0%	4	2.3%	2	0.62%	0	0.0%	0	0.0%	6	0.65%
Latin American	0	0.0%	3	1.7%	2	0.62%	4	2.2%	9	3.6%	18	1.9%
Aboriginal	0	0.0%	1	0.58%	2	0.62%	7	3.9%	10	4.0%	20	2.2%
Other	0	0.0%	1	0.58%	5	1.5%	1	0.56%	2	0.79%	9	0.97%
Unknown	0		68		86		243		138		535	
Total	1	100%	240	100%	409	100%	423	100%	390	100%	1,463	100%

1 Column percent of cases with known race/ethnicity

2 Data incomplete for 2004 (data to August 2004)

Data source: Ottawa Public Health Unit

Analyzed by: Ontario HIV Epidemiologic Monitoring Unit

Table 3.2b Number and proportion¹ of reported HIV cases by sex, race/ethnicity and period of HIV diagnosis, Ottawa, Ontario, 1983 to 2004²

Race/ethnic group	1983-1984		1985-1989		1990-1994		1995-1999		2000-2004		Total	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Males												
White	1	100%	128	82.1%	209	82.6%	59	51.8%	97	57.4%	494	71.3%
Black	0	0.0%	19	12.2%	34	13.4%	47	41.2%	49	29.0%	149	21.5%
Asian	0	0.0%	1	0.64%	1	0.40%	0	0.0%	4	2.4%	6	0.87%
South Asian	0	0.0%	1	0.64%	1	0.40%	1	0.9%	2	1.2%	5	0.72%
Arab/West Asian	0	0.0%	4	2.6%	1	0.40%	0	0.0%	0	0.0%	5	0.72%
Latin American	0	0.0%	2	1.3%	2	0.79%	3	2.6%	9	5.3%	16	2.3%
Aboriginal	0	0.0%	1	0.64%	2	0.79%	3	2.6%	7	4.1%	13	1.9%
Other	0	0.0%	0	0.0%	3	1.2%	1	0.88%	1	0.59%	5	0.72%
Unknown	0		64		75		198		115		452	
Total	1	100%	220	100%	328	100%	312	100%	284	100%	1,145	100%
Females												
White	0	--	6	37.5%	36	51.4%	18	27.3%	9	10.8%	69	29.4%
Black	0	--	8	50.0%	30	42.9%	43	65.2%	70	84.3%	151	64.3%
Asian	0	--	0	0.0%	1	1.4%	0	0.0%	0	0.0%	1	0.43%
South Asian	0	--	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Arab/West Asian	0	--	0	0.0%	1	1.4%	0	0.0%	0	0.0%	1	0.43%
Latin American	0	--	1	6.3%	0	0.0%	1	1.5%	0	0.0%	2	0.85%
Aboriginal	0	--	0	0.0%	0	0.0%	4	6.1%	3	3.6%	7	3.0%
Other	0	--	1	6.3%	2	2.9%	0	0.0%	1	1.2%	4	1.7%
Unknown	0		3		11		45		23		82	
Total	0	--	19	100%	81	100%	111	100%	106	100%	317	100%

1 Column percent of cases with known race/ethnicity

2 Data incomplete for 2004 (data to August 2004)

Data source: Ottawa Public Health Unit

Analyzed by: Ontario HIV Epidemiologic Monitoring Unit

**Table 3.3a Number and proportion¹ of reported HIV cases by exposure category, and race/ethnicity
Ottawa, Ontario, 1983 to 2004²**

Exposure category	White		Black		Asian		South Asian		Arab/West Asian		Latin America		Aboriginal		Other		Unk.	Total	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	No.	%
MSM	329	59.4%	23	7.7%	4	57.1%	1	20.0%	0	0.0%	14	77.8%	5	25.0%	2	25.0%	233	611	44.2%
MSM-IDU	26	4.7%	2	0.67%	0	0.0%	1	20.0%	1	33.3%	0	0.0%	2	10.0%	1	12.5%	20	53	3.8%
IDU	134	24.2%	5	1.7%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	10	50.0%	1	12.5%	127	277	20.0%
HIV-endemic	6	1.1%	243	81.3%	0	0.0%	1	20.0%	1	33.3%	0	0.0%	0	0.0%	0	0.0%	14	265	19.2%
Hetero	46	8.3%	15	5.0%	3	42.9%	1	20.0%	1	33.3%	4	22.2%	3	15.0%	3	37.5%	65	141	10.2%
Transfusion	1	0.18%	0	0.0%	0	0.0%	1	20.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	5	7	0.51%
Clotting factor	9	1.6%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	1	10	0.72%
Perinatal	2	0.36%	11	3.7%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	1	12.5%	3	17	1.2%
Other	1	0.18%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	1	2	0.14%
NIR	9		1		0		0		3		0		0		1		66	80	
Total	563	100%	300	100%	7	100%	5	100%	6	100%	18	100%	20	100%	9	100%	535	1,463	100%

1 Column percent of cases with known exposure category

2 Data incomplete in 2004 (data to August 2004)

Data source: Ottawa Public Health Unit

Analyzed by: Ontario HIV Epidemiologic Monitoring Unit

**Table 3.3b Number and proportion¹ of reported HIV cases by sex, exposure category, and race/ethnicity
Ottawa, Ontario, 1983 to 2004²**

Exposure category	White		Black		Asian		South Asian		Arab/West Asian		Latin America		Aboriginal		Other		Unk.	Total	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	No.	%
Males																			
MSM	329	67.7%	23	15.4%	4	66.7%	1	20.0%	0	0.0%	14	87.5%	5	38.5%	2	40.0%	233	611	56.3%
MSM-IDU	26	5.3%	2	1.3%	0	0.0%	1	20.0%	1	50.0%	0	0.0%	2	15.4%	1	20.0%	20	53	4.9%
IDU	95	19.5%	5	3.4%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	6	46.2%	0	0.0%	100	206	19.0%
HIV-endemic	1	0.21%	110	73.8%	0	0.0%	1	20.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	10	122	11.2%
Hetero	22	4.5%	2	1.3%	2	33.3%	1	20.0%	1	50.0%	2	12.5%	0	0.0%	2	40.0%	34	66	6.1%
Transfusion	1	0.21%	0	0.0%	0	0.0%	1	20.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	5	7	0.65%
Perinatal	9	1.9%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	1	10	0.92%
Clotting factor	2	0.41%	7	4.7%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	9	0.83%
Other	1	0.21%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	1	0.09%
NIR	8		0		0		0		3		0		0		0		49	60	
Total	494	100%	149	100%	6	100%	5	100%	5	100%	16	100%	13	100%	5	100%	452	1,145	100%
Females																			
IDU	39	57.4%	0	0.0%	0	0.0%	0	--	0	0.0%	0	0.0%	4	57.1%	1	33.3%	27	71	23.8%
HIV-endemic	5	7.4%	133	88.7%	0	0.0%	0	--	1	100%	0	0.0%	0	0.0%	0	0.0%	4	143	48.0%
Hetero	24	35.3%	13	8.7%	1	100%	0	--	0	0.0%	2	100%	3	42.9%	1	33.3%	31	75	25.2%
Transfusion	0	0.0%	0	0.0%	0	0.0%	0	--	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0	0.0%
Perinatal	0	0.0%	0	0.0%	0	0.0%	0	--	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0	0.0%
Clotting factor	0	0.0%	4	2.7%	0	0.0%	0	--	0	0.0%	0	0.0%	0	0.0%	1	33.3%	3	8	2.7%
Other	0	0.0%	0	0.0%	0	0.0%	0	--	0	0.0%	0	0.0%	0	0.0%	0	0.0%	1	1	0.34%
NIR	1		1		0		0		0		0		0		1		16	19	
Total	69	100%	151	100%	1	100%	0	--	1	100%	2	100%	7	100%	4	100%	82	317	100%

1 Column percent of cases with known exposure category
2 Data incomplete in 2004 (data to August 2004)

Data source: Ottawa Public Health Unit
Analyzed by: Ontario HIV Epidemiologic Monitoring Unit

Table 3.4-1 Number and proportion¹ of reported HIV cases by selected exposure category, race/ethnicity, and period of HIV diagnosis, Ottawa, Ontario, 1983 to 2004²

Race/ethnic group	1980-1984		1985-1989		1990-1994		1995-1999		2000-2004		Total	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
MSM												
White	1	100%	94	89.5%	135	93.1%	31	79.5%	68	77.3%	329	87.0%
Black	0	0.0%	7	6.7%	4	2.8%	4	10.3%	8	9.1%	23	6.1%
Asian	0	0.0%	1	0.95%	1	0.69%	0	0.0%	2	2.3%	4	1.1%
South Asian	0	0.0%	0	0.0%	0	0.0%	0	0.0%	1	1.1%	1	0.26%
Arab/West Asian	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Latin American	0	0.0%	2	1.9%	2	1.4%	3	7.7%	7	8.0%	14	3.7%
Aboriginal	0	0.0%	1	0.95%	1	0.69%	1	2.6%	2	2.3%	5	1.3%
Other	0	0.0%	0	0.0%	2	1.4%	0	0.0%	0	0.0%	2	0.53%
Unknown	0		47		37		100		49		233	
Total	1		152		182		139		137		611	
MSM-IDU												
White	0	--	5	100%	14	87.5%	5	55.6%	2	66.7%	26	78.8%
Black	0	--	0	0.0%	0	0.0%	2	22.2%	0	0.0%	2	6.1%
Asian	0	--	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
South Asian	0	--	0	0.0%	0	0.0%	1	11.1%	0	0.0%	1	3.0%
Arab/West Asian	0	--	0	0.0%	1	6.3%	0	0.0%	0	0.0%	1	3.0%
Latin American	0	--	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Aboriginal	0	--	0	0.0%	0	0.0%	1	11.1%	1	33.3%	2	6.1%
Other	0	--	0	0.0%	1	6.3%	0	0.0%	0	0.0%	1	3.0%
Unknown	0		2		3		12		3		20	
Total	0		7		19		21		6		53	
IDU												
White	0	--	12	100%	70	97.2%	31	86.1%	21	70.0%	134	89.3%
Black	0	--	0	0.0%	1	1.4%	2	5.6%	2	6.7%	5	3.3%
Asian	0	--	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
South Asian	0	--	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Arab/West Asian	0	--	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Latin American	0	--	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Aboriginal	0	--	0	0.0%	1	1.4%	3	8.3%	6	20.0%	10	6.7%
Other	0	--	0	0.0%	0	0.0%	0	0.0%	1	3.3%	1	0.67%
Unknown	0		6		19		81		21		127	
Total	0		18		91		117		51		277	

1 Column percent of cases with known race/ethnicity

2 Data incomplete in 2004 (data to August 2004)

Data source: Ottawa Public Health Unit

Analyzed by: Ontario HIV Epidemiologic Monitoring Unit

Table 3.4-2 Number and proportion¹ of reported HIV cases by selected exposure category, race/ethnicity, and period of HIV diagnosis, Ottawa, Ontario, 1983 to 2004²

Race/ethnic group	1980-1984		1985-1989		1990-1994		1995-1999		2000-2004		Total	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
HIV-endemic												
White	0	--	1	4.8%	1	1.7%	1	1%	3	3.0%	6	2.4%
Black	0	--	19	90.5%	56	96.6%	70	99%	98	97.0%	243	96.8%
Asian	0	--	0	0.0%	0	0.0%	0	0%	0	0.0%	0	0.0%
South Asian	0	--	1	4.8%	0	0.0%	0	0%	0	0.0%	1	0.40%
Arab/West Asian	0	--	0	0.0%	1	1.7%	0	0%	0	0.0%	1	0.40%
Latin American	0	--	0	0.0%	0	0.0%	0	0%	0	0.0%	0	0.0%
Aboriginal	0	--	0	0.0%	0	0.0%	0	0%	0	0.0%	0	0.0%
Other	0	--	0	0.0%	0	0.0%	0	0%	0	0.0%	0	0.0%
Unknown	0		0		4		3		7		14	
Total	0		21		62		74		108		265	
Hetero												
White	0	--	9	75.0%	21	84.0%	8	50.0%	8	34.8%	46	60.5%
Black	0	--	1	8.3%	2	8.0%	4	25.0%	8	34.8%	15	19.7%
Asian	0	--	0	0.0%	1	4.0%	0	0.0%	2	8.7%	3	3.9%
South Asian	0	--	0	0.0%	0	0.0%	0	0.0%	1	4.3%	1	1.3%
Arab/West Asian	0	--	1	8.3%	0	0.0%	0	0.0%	0	0.0%	1	1.3%
Latin American	0	--	1	8.3%	0	0.0%	1	6.3%	2	8.7%	4	5.3%
Aboriginal	0	--	0	0.0%	0	0.0%	2	12.5%	1	4.3%	3	3.9%
Other	0	--	0	0.0%	1	4.0%	1	6.3%	1	4.3%	3	3.9%
Unknown	0		5		10		36		14		65	
Total	0		17		35		52		37		141	

1 Column percent of cases with known race/ethnicity

2 Data incomplete in 2004 (data to August 2004)

Data source: Ottawa Public Health Unit

Analyzed by: Ontario HIV Epidemiologic Monitoring Unit