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NATIONAL HIV/STI PREVENTION & CONTROL PROGRAM
FACTS AND FIGURES
HIV/AIDS EPIDEMIC UPDATE
January to December 2006

- Λ One thousand one hundred and eighty six (1,186) persons with AIDS or advanced HIV (659 males and 527 females) were reported between January and December 2006 compared to 1,344 in 2005. That is, more than 3 new cases of AIDS were diagnosed each day in 2006.
- Λ The total number of reported AIDS cases in Jamaica between January 1982 and December 2006 is 11,739.
- Λ Four hundred and thirty-two (432) reported deaths (262 males and 170 females) were due to AIDS in 2006 compared to 514 in 2005. That is, on average, 8 persons died from AIDS every week in 2006.
- Λ The total number of reported AIDS deaths in Jamaica between January 1982 and December 2006 is 6,673.
- Λ In 2006, a total of 73 new pediatric AIDS cases (children 0 to 9 years old) were reported compared to 78 pediatric AIDS cases in 2005.
- Λ Thirteen (13) pediatric AIDS deaths were reported in 2006, compared to 19 Pediatric AIDS deaths in 2005.
- Λ It is estimated that the transmission of HIV from an HIV infected mother-to-child in 2006 was 10 % compared to 25% in 2002 (prior to the introduction of antiretroviral medication for prevention of mother-to-child transmission).
- Λ Approximately 70% of all AIDS cases reported in 2006 are in the 20-49 year old age group and 85% of all reported AIDS cases are between 20 and 60 years old. This is similar to the breakdown for all AIDS cases reported since 1982, of which 74% are in the 20 – 49 year old age group, and 88% are in the 20 – 60 year old age group.
- Λ In 2005, HIV was the fourth leading cause of death for all men and women in Jamaica.
- Λ The most urbanized parishes continue to have the highest cumulative number of AIDS cases: Kingston & St. Andrew – 697.7 cases per 100,000 persons and St. James – 992.1 AIDS cases per 100,000 persons.

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- Λ Among reported AIDS cases on whom risk data are available (73% of cases), the main risk factors fuelling the epidemic are multiple sex partners, history of STDs, crack/cocaine use, and sex with sex workers. Twenty percent of reported AIDS cases had none of these known high risk behaviours.
 - Λ Among all reported AIDS cases on whom data about sexual practices are available (76% of cases), heterosexual practice is reported by more than 90% of persons.
 - Λ Among reported **male** AIDS cases on whom data about sexual practices are available (55% of cases), homosexual or bisexual activity is reported by 14% of men.
 - Λ The sexual practice of **41%** of reported male AIDS cases is **unknown**.
 - Λ In 2005, for every one thousand pregnant women in Jamaica, fifteen were infected with HIV. Overall, there has been no significant change in HIV infection among pregnant women over the last decade.
 - Λ In 2006, approximately four out of five HIV-infected pregnant women received antiretroviral medication to prevent mother-to-child-transmission of HIV.
 - Λ For every one thousand persons with a sexually transmitted infection in 2005, forty-six persons (46) were infected with HIV.
 - Λ Approximately one out of every two persons reported with AIDS had a history of a Sexually Transmitted Infection as a risk factor.
 - Λ 9 % of female sex workers are HIV infected.
- N.B. In July 2005, the AIDS case definition used for the Epidemiologic update was revised to include persons with advanced HIV (i.e. persons with CD4 counts < 350).

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TABLE 1: SUMMARY OF AIDS CASES IN JAMAICA, 1982 to 2006

PERIOD	TOTAL	MALE (%)	FEMALE (%)
Cumulative 1982-2006	11739	6783 (57.8)	4956 (42.2)
Jan - Dec. 2000	903	515 (57.0)	388 (43.0)
Jan - Dec. 2001	939	511 (54.4)	428 (45.6)
Jan - Dec. 2002	989	580 (58.6)	409 (41.4)
Jan - Dec 2003	1070	611 (57.0)	459 (43.0)
Jan - Dec 2004	1112	603 (54.2)	509 (45.8)
Jan - Dec 2005	1344	696 (51.8)	648 (48.2)
Jan - Dec 2006	1186	659 (55.6)	527 (44.4)

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TABLE 2: Summary of AIDS Cases by Parish in Jamaica
 (by date of reporting)

PARISH	Jan - Dec 2006	1982 – Dec 2006 Cumulative Total	RATE PER 100,000 POPULATION
KINGSTON & ST. ANDREW	400	4616	697.7
ST. THOMAS	20	213	228.6
PORTLAND	17	238	291.4
ST. MARY	33	335	295.1
ST. ANN	75	711	413.4
TRELAWNY	41	298	396.8
ST. JAMES	178	1817	992.1
HANOVER	40	283	407.5
WESTMORELAND	91	591	410.4
ST. ELIZABETH	31	260	173.2
MANCHESTER	38	298	157.2
CLARENDON	50	440	179.7
ST. CATHERINE	171	1606	324.8
PARISH NOT KNOWN	0	22	0
OVERSEAS ADDRESS	1	11	0
TOTAL	1186	11739	439.0

TABLE 3: SUMMARY OF AIDS DEATHS, Jamaica

PERIOD	TOTAL	MALE (%)	FEMALE (%)
1983 - Dec 2006	6673	4015 (60.2)	2658 (39.8)
Jan -Dec. 2001	588	329 (56.0)	259 (44.0)
Jan -Dec. 2002	692	406 (58.7)	286 (41.3)
Jan - Dec 2003	650	381 (58.6)	269 (41.4)
Jan - Dec 2004	665	377 (56.6)	288 (43.3)
Jan – Dec 2005	514	310 (60.3)	204 (39.7)
Jan – Dec 2006	432	262 (60.6)	170 (39.4)

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TABLE 4: Summary of AIDS Death by Parish in Jamaica
(by date of reporting)

PARISH	January - Dec 2006	1982 – Dec 2006 Cumulative Total
KINGSTON & ST. ANDREW	152	2626
ST. THOMAS	2	95
PORTLAND	5	136
ST. MARY	14	237
ST. ANN	17	311
TRELAWNY	19	205
ST. JAMES	78	1084
HANOVER	13	191
WESTMORELAND	26	373
ST. ELIZABETH	14	173
MANCHESTER	13	193
CLARENDON	15	194
ST. CATHERINE	64	836
PARISH NOT KNOWN	0	5
OVERSEAS ADDRESS	0	14
TOTAL	432	6673

TABLE 5: SUMMARY OF PAEDIATRIC AIDS CASES (AGE 0 - 9 YEARS)

PERIOD	TOTAL	MALE (%)	FEMALE (%)
1986- Dec 2006	838	440 (52.5)	398 (47.5)
Jan - Dec. 2001	65	39 (45.7)	26 (54.3)
Jan - Dec. 2002	81	37 (65.4)	44 (34.5)
Jan – Dec 2003	67	36 (53.7)	31 (46.3)
Jan-Dec 2004	61	29 (47.5)	32 (42.5)
Jan – Dec 2005	78	42 (53.8)	36 (46.2)
Jan – Dec 2006	73	37 (50.7)	36 (49.3)

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**TABLE 6: Summary of Paediatric AIDS Cases by Parish in Jamaica (by date of reporting),
1986 – Dec 2006**

PARISH	Cumulative Total	RATE PER 100,000 POPULATION (2003 Est. STATIN 0 – 9 age group)
KINGSTON & ST. ANDREW	349	275.4
ST. THOMAS	25	123.0
PORTLAND	14	81.3
ST. MARY	27	112.3
ST. ANN	32	88.7
TRELAWNY	13	83.1
ST. JAMES	111	292.4
HANOVER	17	119.6
WESTMORELAND	27	89.1
ST. ELIZABETH	17	57.4
MANCHESTER	25	64.9
CLARENDON	50	91.7
ST. CATHERINE	128	127.1
PARISH NOT KNOWN	2	0
OVERSEAS ADDRESS	1	0
TOTAL	838	153.5

TABLE 7: SUMMARY OF PAEDIATRIC AIDS DEATH

PERIOD	TOTAL	MALE (%)	FEMALE (%)
1986 - Dec 2006	393	199 (50.8)	193 (49.2)
Jan - Dec. 2001	27	14 (51.9)	13 (48.1)
Jan - Dec. 2002	45	22 (48.9)	23 (51.1)
Jan - Dec 2003	29	17 (58.6)	12 (41.4)
Jan - Dec 2004	34	17 (50.0)	17 (50.0)
Jan – Dec 2005	19	12 (63.2)	7 (36.8)
Jan – Dec 2006	13	11 (84.6)	2 (15.4)

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TABLE 8: Summary of AIDS Cases by 5-Year Age Groups 1986 – Dec 2006, Jamaica

Age Group	Male	Female	Total
00 to 4	306	267	573
05 to 9	134	131	265
10 to 14	16	13	29
15 to 19	28	110	138
20 to 24	269	395	664
25 to 29	704	784	1488
30 to 34	1108	863	1971
35 to 39	1176	769	1945
40 to 44	964	573	1537
45 to 49	725	392	1117
50 to 54	540	239	779
55 to 59	364	160	524
60 to 64	218	112	330
65 to 69	87	62	149
70 to 74	49	25	74
75 to 79	14	10	24
80 to 84	2	6	8
85 to 89	3	2	5
90 to 94	0	1	1
Unknown	76	42	118
Total	6783	4956	11739

TABLE 9: AIDS CASES BY SEXUAL PRACTICE (1982 – Dec '06 cumulative)¹

SEXUAL PRACTICE CATEGORY	MALE	FEMALE	TOTAL	(%)
Bisexual Male	300	N/A	300	(2.8)
Heterosexual	3242	4558	7800	(71.5)
Homosexual	222	N/A	222	(2.0)
Unknown*	2579	N/A	2579	(23.7)
Total¹	6343	4558	10,901	

N/A – not available/not applicable

* response not obtained

¹ children <10 years old excluded from the total (N= 10,901)

TABLE 10: REPORTED RISK BEHAVIOUR (1982 – Dec 2006 cumulative)

N= 8597

RISK	No. of Persons (%)
Sex with Sex workers	2104 (24.5)
Crack , Cocaine Use	715(8.3)
STD History	3966 (46.1)
IV Drug Use	92 (1.1)
Multiple Sexual Partners/contacts	~ 80%
No Known high risk behaviour	~ 20%

TABLE 11: HIV sero-prevalence rates in pregnant women by parish Jan – Dec 2005, Jamaica

Parish	Total tested	HIV positive	Percent (%)
Kingston & St. Andrew	1128	16	1.42
Manchester	322	6	1.86
St. Ann	290	5	1.72
St. Catherine	835	9	1.07
St. James	303	6	1.98
Westmoreland	240	5	2.08
Jamaica	3118	47	1.51

*Survey conducted between April and September 2005

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TABLE 12: HIV sero-prevalence rates in STI Clinic attendees, by parish Jan – Dec 2005, Jamaica

Parish	Total tested	HIV positive	Percent (%)
Kingston & St. Andrew	1361	74	5.44
Manchester	221	6	2.70
St. Ann	419	17	4.07
St. Catherine	600	22	3.66
St. James	520	30	5.77
Westmoreland	113	1	0.88
Jamaica	3234	150	4.64

*Survey conducted between April and September 2005

Jamaica HIV/AIDS Update prepared by: Monitoring & Evaluation Unit
 Reference: Ministry of Health, National HIV/STI Prevention and Control Program, Jamaica
 AIDS Report 2006, Kingston Jamaica,
 Released on August 1, 2006
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