

AIDS Surveillance Quarterly Update

June 30, 2001



City of Philadelphia,
Department of Public Health

John F. Street, Mayor
Walter Tsou, Health
Commissioner

AIDS ACTIVITIES COORDINATING OFFICE

EPIDEMIOLOGY UNIT

123 S. Broad Street, 23rd Fl
Philadelphia, PA 19109

Patricia Bass Director
AACO

Joseph Cronauer Director
AACO

Kathleen A. Brady, MD
HIV Epidemiologist

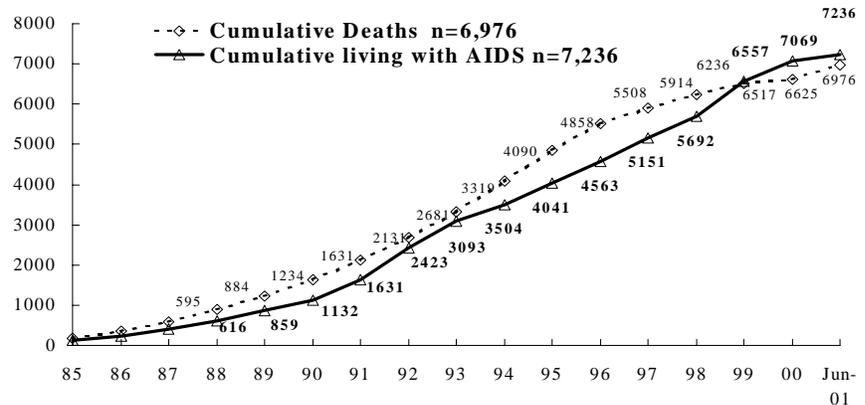
James McAnaney
Program Manager AIDS

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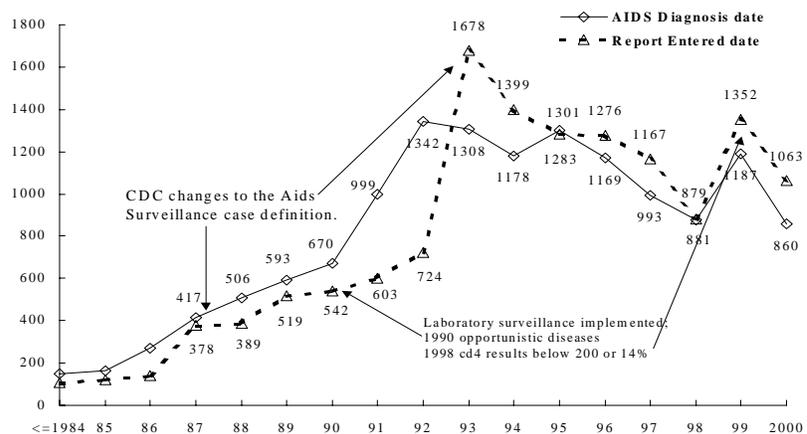
- 1 AIDS by date of diagnosis versus date entered
- 11 Map of Living AIDS Cases
- 14 AIDS by zip code

Cases Reported through June 30, 2001

Cumulative AIDS Deaths and Living with AIDS Philadelphia, PA



Philadelphia cases by date of AIDS diagnosis vs. date of case report. Data complete through June 2001, n=14,212.



The above graph shows Philadelphia AIDS cases by both date of diagnosis and date of report through June 30, 2001. AIDS case reports declined in 2000 to below 1999 levels but remain above the nadir seen in 1998. AIDS incidence appears to have reached a plateau in Philadelphia. The downward trends seen from 1996-1998 due to advancements in disease treatments have reversed in other parts of the country as well. Analysis of AIDS cases by date of diagnosis will give a clearer picture of the true trend in AIDS incidence. Due to delays in reporting of AIDS cases (75% of cases are reported within 6 months of diagnosis), analysis of trends by date of diagnosis will not be possible until late 2001.

Table 1. National, State, and Local Cumulative AIDS Cases and Mortality as of 06/30/01

	Cases	Deaths	Percent Deaths
UNITED STATES	753,907	438,795	58.2
PENNSYLVANIA	25,256	13,298	52.7
NEW JERSEY	42,275	26,593	62.9
PHILA. PMSA	19,522	10,126	51.9
PHILA. COUNTY	14,212	6,976	49.1

Table 2. Philadelphia Primary Metropolitan Statistical Area (PMSA) AIDS Cases by County and Date Reported

County	1981 to 06/30/00		Latest 12 months		Total		Current quarter
	Number	%	Number	%	Number	%	Number
PHILADELPHIA (PA)	13037	72.1	1175	82.3	14212	72.8	292
BUCKS (PA)	582	3.2	25	1.8	607	3.1	13
CHESTER (PA)	375	2.1	6	0.4	381	2.0	0
DELAWARE (PA)	1008	5.6	54	3.8	1062	5.4	12
MONTGOMERY (PA)	641	3.5	39	2.6	680	3.5	19
BURLINGTON (NJ)	575	3.2	28	2.0	603	3.1	7
CAMDEN (NJ)	1428	7.9	77	5.4	1505	7.7	34
GLOUCESTER (NJ)	296	1.6	20	1.4	316	1.6	8
SALEM (NJ)	152	0.8	4	0.3	156	0.8	1
PMSA TOTAL	18094	100	1428	100	19522	100	386

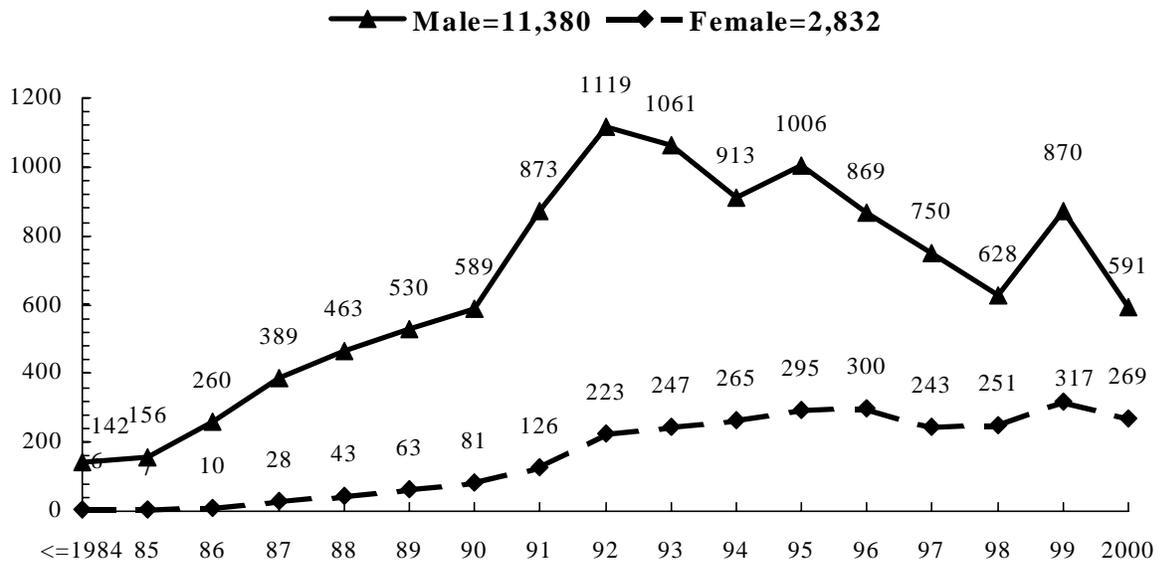
Table 3. Philadelphia AIDS Cases by Age, Date of Report and Date of Diagnosis

Age	Reports in the Latest 12 months		Total Reports 1981 to 06/30/01		Diagnosed in Latest 12 months	
	Number	%	Number	%	Number	%
Less than 13	14	1.2	210	1.5	3	0.5
13 - 19	8	0.7	67	0.5	3	0.5
20 - 29	157	13.4	2387	16.8	71	11.8
30 - 39	419	35.6	6001	42.2	219	36.5
40 - 49	381	32.4	3894	27.4	196	32.7
50 or older	196	16.7	1653	11.6	79	13.2
Unknown	0	0	0	0	29	4.8
Total	1175	100	14212	100	600	100

Table 4. Philadelphia AIDS Cases by Gender, Date of Report and Date of Diagnosis

Gender	Reports in the Latest 12 months		Total Reports 1981 to 06/30/01		Diagnosed in Latest 12 months	
	Number	%	Number	%	Number	%
MALE	841	71.6	11380	80.1	427	71
FEMALE	334	28.4	2832	19.9	173	29
TOTAL	1175	100	14212	100	600	100

**Philadelphia cases by gender and date of AIDS diagnosis.
Data is current through June 2001, n=14,212.**



Gender

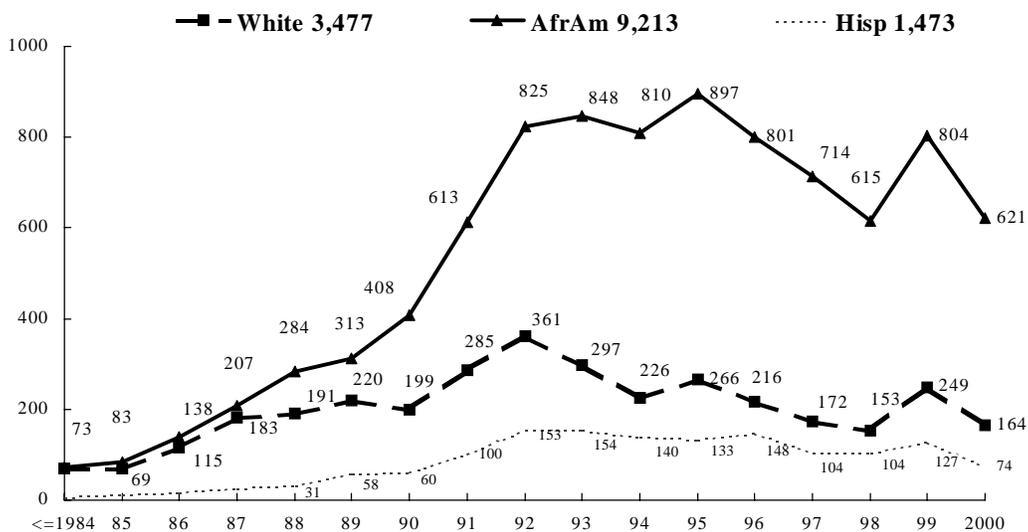
The quarterly update has traditionally analyzed data by date of report only. Analysis of data by date of AIDS diagnosis allows for more accurate trend interpretation. Analysis of trends by date of diagnosis requires caution in interpreting recent data due to delays in reporting, which averages 6-9 months after AIDS diagnosis. Trend analysis by date of report is sensitive to changes in the AIDS case definition by the Centers for Disease Control, as in 1987 and 1993, and changes in surveillance methods. In this report, data are presented by both date of AIDS diagnosis and by date of AIDS report.

Table 5. Philadelphia AIDS Cases by Race/Ethnicity, Date of Report and Date of Diagnosis

Race/Ethnicity	Reports in the Latest 12 months		Total Reports 1981 to 06/30/01		Diagnosed in Latest 12 months	
	Number	%	Number	%	Number	%
White	231	19.7	3477	24.5	103	17.2
Black	827	70.4	9213	64.8	441	73.5
Latino	112	9.5	1473	10.4	55	9.1
Asian/PI	5	0.4	44	0.3	1	0.2
Native American	0	0	5	0	0	0
Total	1175	100	14212	100	600	100

**Philadelphia cases by race and date of AIDS diagnosis.
Data is complete through June 2001, n=14,212.**

Not shown are the Asian (n=44) and Native American (n=5)



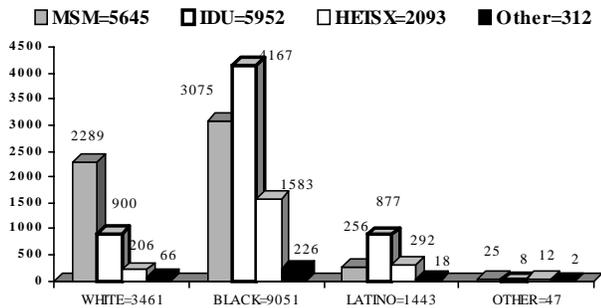
Race

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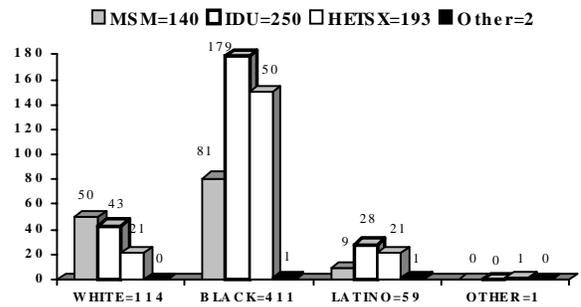
Philadelphia Adult AIDS Cases by Risk Factor within Race: n = 14,002

(Reported through June 30, 2001)

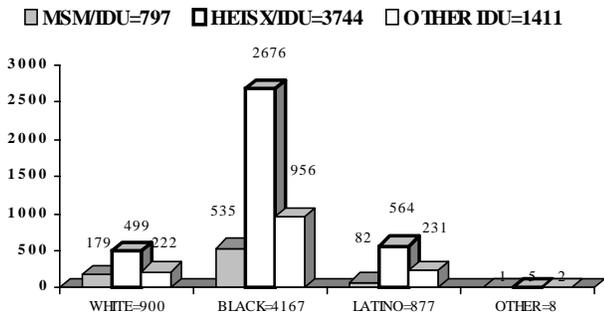
Cumulative



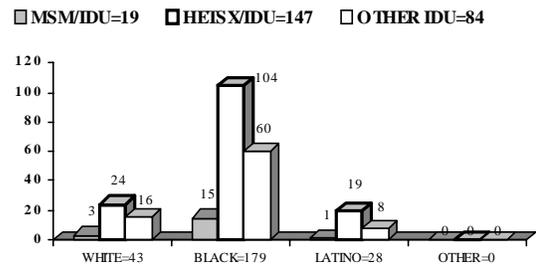
Year-to-Date



Cumulative (Breakdown of IDU)

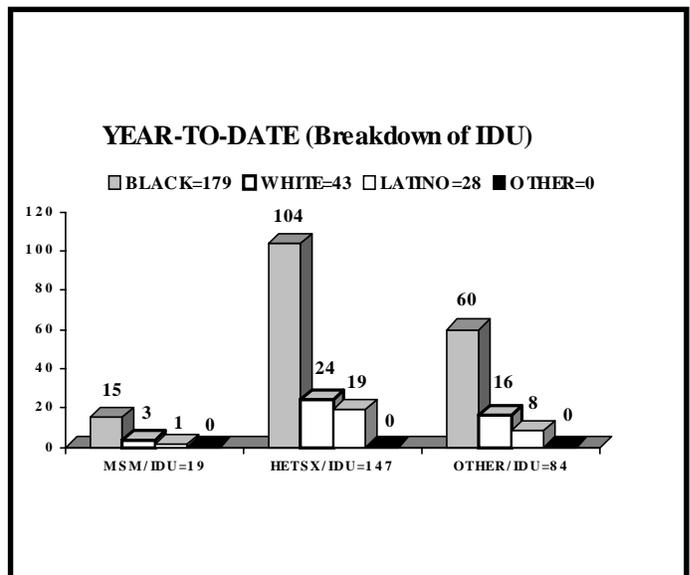
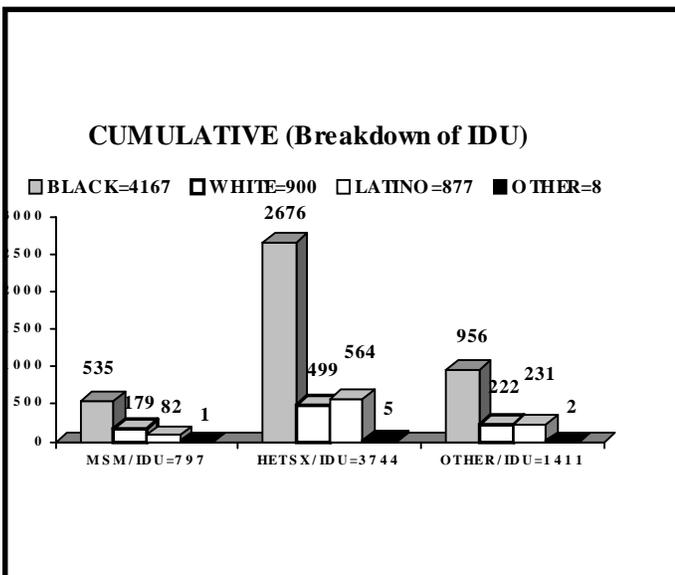
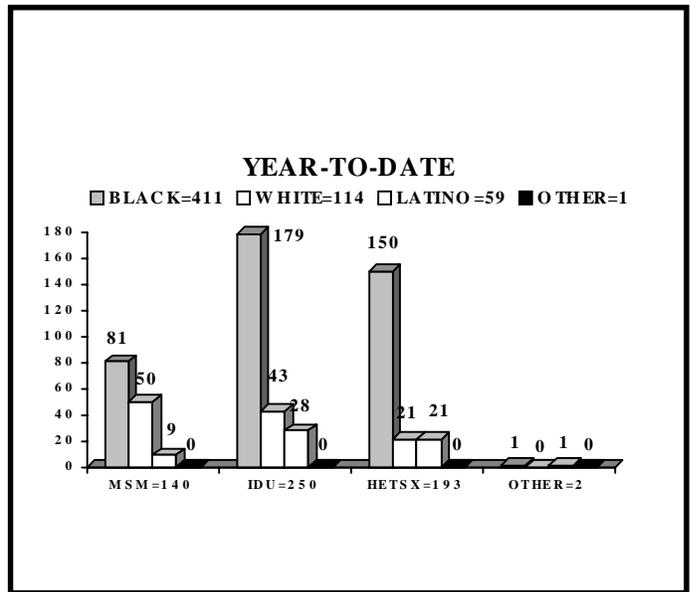
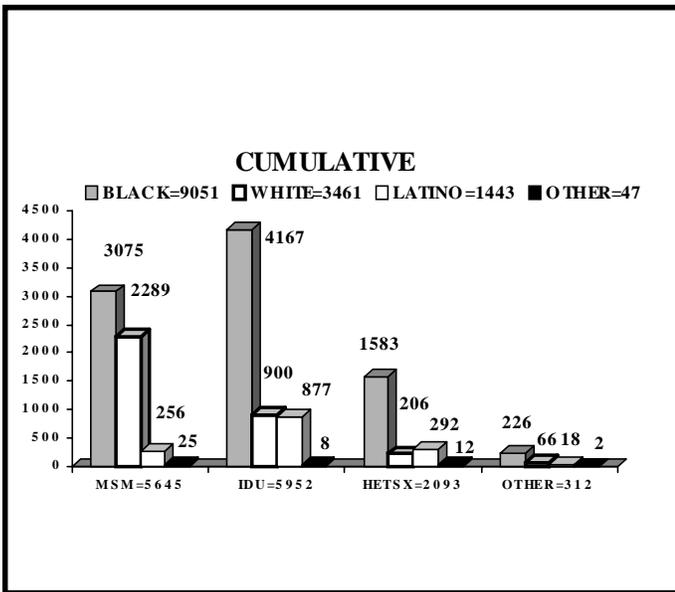


Year-to-Date (Breakdown of IDU)



Philadelphia Department of Public Health - AIDS Activities Coordinating Office - Epidemiology Unit

Philadelphia Adult AIDS Cases by Race within Risk Factor: n = 14,002 (Reported through June 30, 2001)



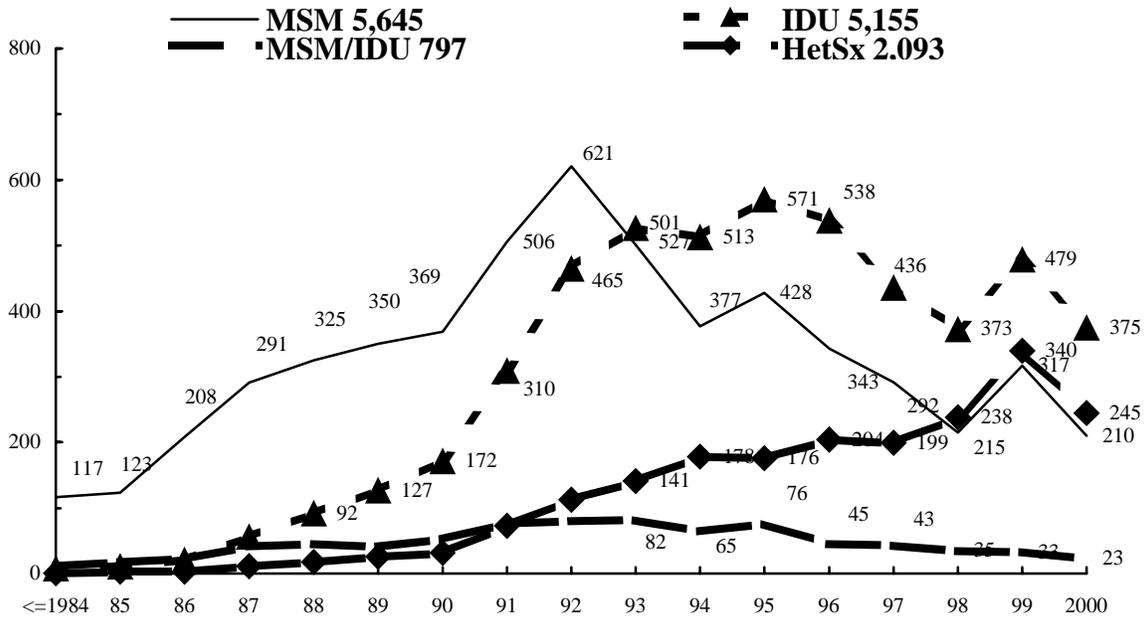
Philadelphia Department of Public Health - AIDS Activities Coordinating Office - Epidemiology Unit

Table 6. Philadelphia AIDS Cases by Mode, Date of Report and Date of Diagnosis

Mode	Reports in the Latest 12 months		Total Reports 1981 to 06/30/01		Diagnosed in Latest 12 months	
	Number	%	Number	%	Number	%
MSM	306	26.0	5645	39.7	138	23.0
MSM/IDU	41	3.5	797	5.6	17	2.8
Heterosx/IDU	351	29.9	3744	26.3	161	26.8
Other IDU	132	11.2	1411	9.9	76	12.7
Blood Products	0	0	92	0.6	0	0
No Identified Risk	3	0.3	220	1.6	3	0.5
Hetsx Contact	328	27.9	2093	14.8	202	33.7
M w HIV/other	14	1.2	210	1.5	3	0.5
Total	1175	100	14,212	100	600	100

Philadelphia cases by mode of HIV transmission and date of AIDS diagnosis.

Data complete through June 2001, n=14,212.



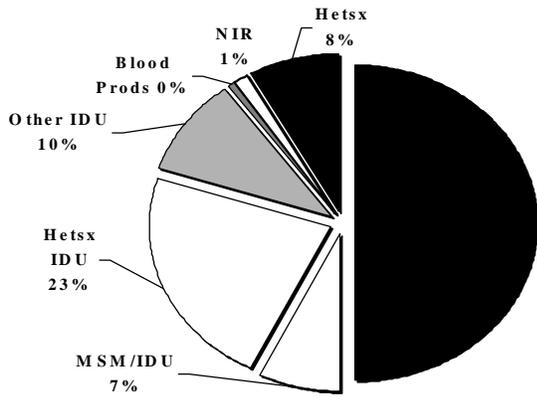
Mode of Transmission

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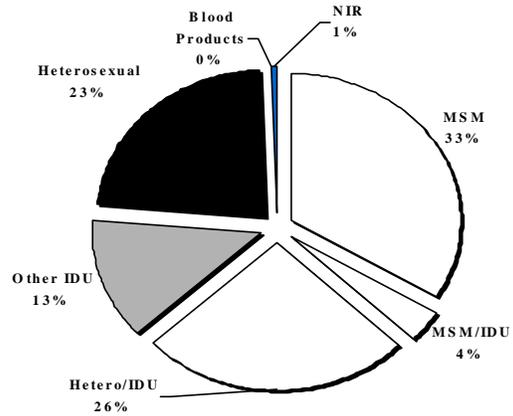
Philadelphia Adult Cases by Gender and Risk Factor

Adult Males n=11,269

Cumulative n=11,269

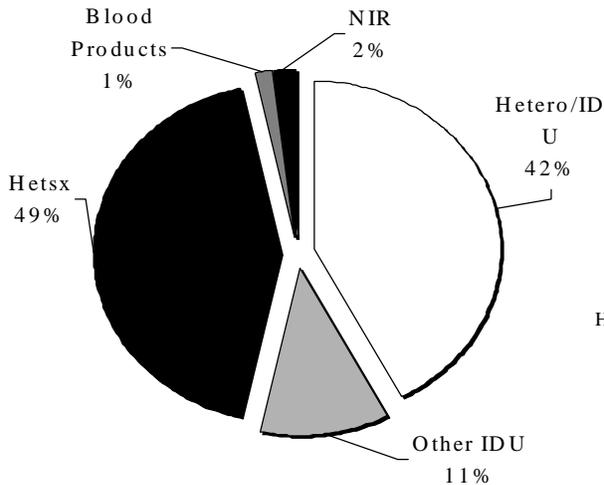


Diagnosed July 1, 2000 through June 30 2001, n=454



Adult Females n=2,733

Cumulative n=2,733



Diagnosed July 1, 2000 through June 31, 2001, n=178

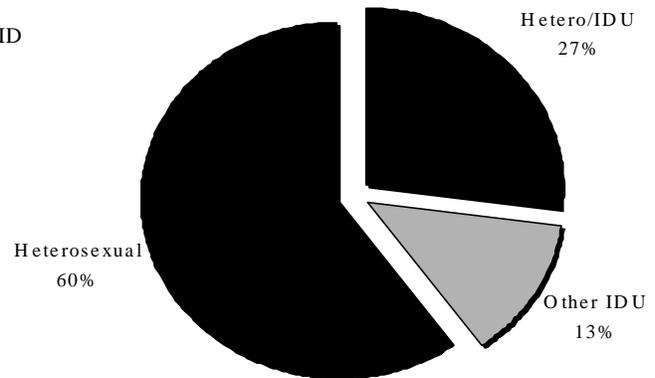


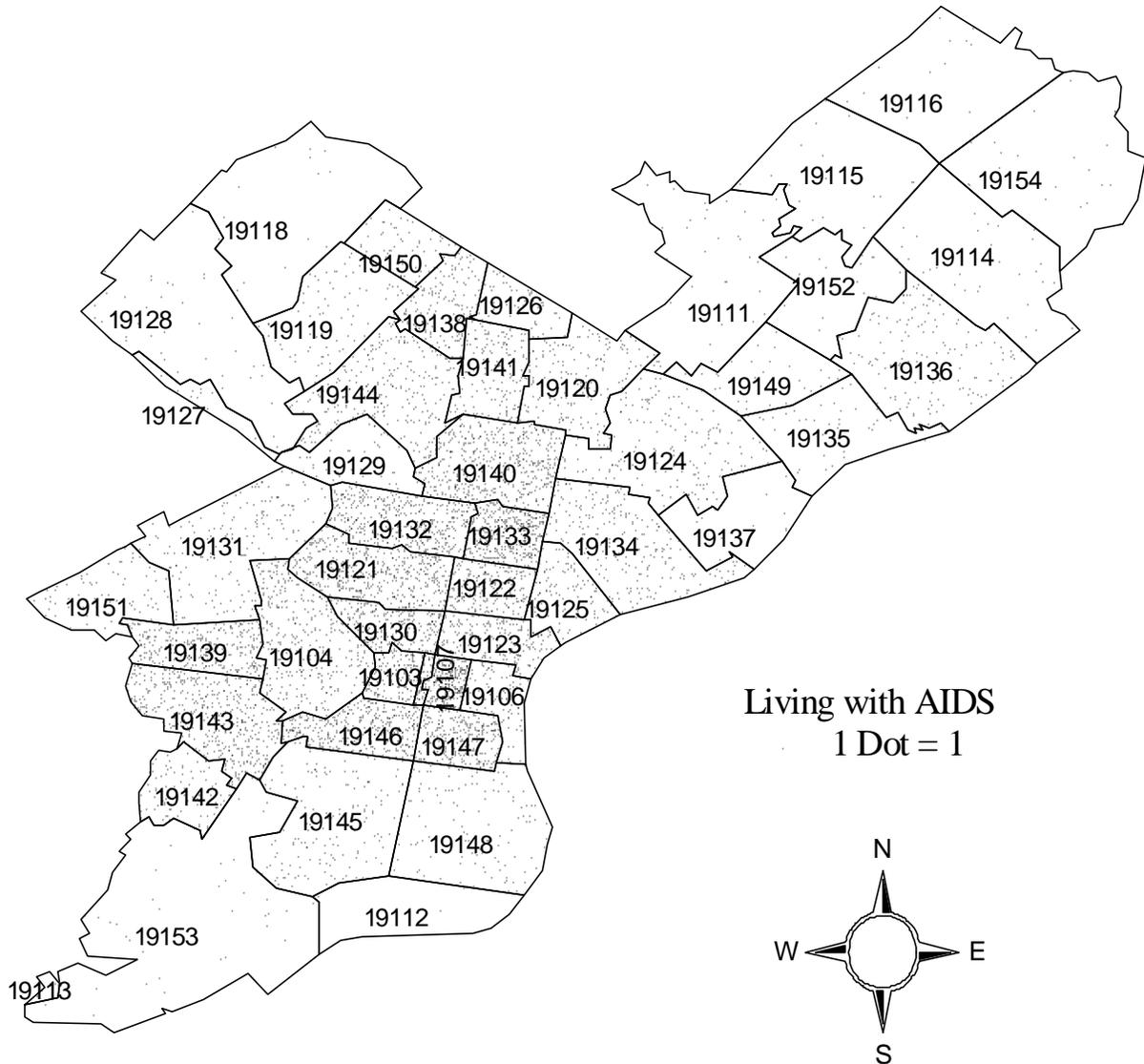
Table 7. PHILADELPHIA PEDIATRIC AIDS CASES (age less than 13 years)

	1981 to 06/30/00		Latest 12 months		Total		Current quarter
	Number	%	Number	%	Number	%	Number
Number of Cases	196	100	14	100	210	100	0
GENDER							
Male	105	53.6	6	42.9	111	52.9	0
Female	91	46.4	8	57.1	99	47.1	0
Total	196	100	14	100	210	100	0
RACE							
White	16	8.2	0	0	16	7.6	0
Black	149	76	13	92.9	162	77.1	0
Latino	29	14.8	1	7.1	30	14.3	0
Other	2	1	0	0	2	1	0
Unknown	0	0	0	0	0	0	0
Total	196	100	14	100	210	100	0
AGE							
Less than 1	80	40.8	10	71.4	90	42.9	0
1 to 3	72	36.7	3	21.4	75	35.7	0
4 to 6	22	11.2	1	7.1	23	11	0
7 to 9	17	8.7	0	0	17	8.1	0
10 to 12	5	2.6	0	0	5	2.4	0
Total	196	100	14	100	210	100	0
RISK FACTOR							
Ped Hemophil	0	0	0	0	0	0	0
Mother w/HIV HIV-Ri	186	94.9	14	100	200	95.2	0
Ped Trnsfus, Trplan	2	1	0	0	2	1	0
Ped Other Risk	0	0	0	0	0	0	0
Confirmed Other	0	0	0	0	0	0	0
Ped Other/Undtrmine	8	4.1	0	0	8	3.7	0
Total	196	100	14	100	210	100	0
Deaths	71	100	1	100	72	100	0

Table 8. Frequency of AIDS-Defining Diagnoses for Philadelphia Cases (by Report Date)

Diagnosis	Total		1981 to 06/30/00		Latest 12 months		Current quarter	
	Number	%	Number	%	Number	%	Number	%
Low CD4	7694	54.1	6822	52.3	872	74.2	219	75
Pneumocystis	3025	21.3	2906	22.3	119	10.1	35	12
Wasting	1616	11.4	1484	11.4	132	11.2	25	8.6
Candida (esoph)	1134	8	1104	8.5	30	2.6	11	3.8
Herpes (chronic)	746	5.2	696	5.3	50	4.3	20	6.8
Kaposi's sarcoma	526	3.7	516	4	10	0.9	5	1.7
Recurrent pneumonia	496	3.5	464	3.6	32	2.7	9	3.1
Cryptococcosis	434	3.1	417	3.2	17	1.4	2	0.7
TB pulmonary	376	2.6	368	2.8	8	0.7	2	0.7
M. avium	370	2.6	359	2.8	11	0.9	3	1
Dementia (HIV encephalopathy)	335	2.4	330	2.5	5	0.4	1	0.3
Cytomegalovirus	304	2.1	297	2.3	7	0.6	1	0.3
Toxoplasmosis (brain)	260	1.8	245	1.9	15	1.3	4	1.4
TB disseminated	198	1.4	195	1.5	3	0.3	0	0
Cryptosporidiosis	143	1	138	1.1	5	0.4	0	0
Cytomegalovirus (retinitis)	128	0.9	125	1	3	0.3	1	0.3
Candida (lung)	125	0.9	120	0.9	5	0.4	2	0.7
Lymphoma (immunoblastic)	99	0.7	98	0.8	1	0.1	0	0
Atypical mycobacteria	68	0.5	62	0.5	6	0.5	4	1.4
Prog. Multifoc. Leukoenceph	47	0.3	46	0.4	1	0.1	0	0
Bacterial infections	43	0.3	37	0.3	6	0.5	0	0
Lymphoid interstitial pneumonia	39	0.3	36	0.3	3	0.3	0	0
Burkitt's Lymphoma	37	0.3	36	0.3	1	0.1	0	0
Lymphoma (brain)	36	0.3	34	0.3	2	0.2	0	0
Salmonella septicemia	36	0.3	34	0.3	2	0.2	1	0.3
Carcinoma cervical	33	0.2	30	0.2	3	0.3	1	0.3
Histoplasmosis	13	0.1	13	0.1	0	0	0	0
Coccidiomycosis	6	0	6	0	0	0	0	0
Isosporiasis	2	0	2	0	0	0	0	0

Philadelphia residents living with AIDS by zip code of residence.
As of June 2001 the number living with AIDS is 7,236 (51%) of the
cumulative total of 14,212 cases.



Zip Code

Zip Code	Diagnosed before 07/01/00		Diagnosed 07/01/00 thru 06/30/01		AIDS Incidence by zip code 07/01/00 thru 06/30/01	
	n	%	n	%	1996 Population	Incidence per 10,000 population
19102	97	0.71%		0.00%	3978	0.00
19103	337	2.48%	7	1.17%	17721	3.95
19104	601	4.42%	28	4.67%	48737	5.75
19106	185	1.36%	6	1.00%	7467	8.04
19107	471	3.46%	13	2.17%	8554	15.20
19111	67	0.49%		0.00%	55553	0.00
19112	3	0.02%		0.00%	3399	0.00
19114	58	0.43%	5	0.83%	30768	1.63
19115	31	0.23%		0.00%	29981	0.00
19116	26	0.19%		0.00%	31656	0.00
19118	19	0.14%		0.00%	9201	0.00
19119	200	1.47%	5	0.83%	27048	1.85
19120	294	2.16%	23	3.83%	62941	3.65
19121	789	5.80%	28	4.67%	37850	7.40
19122	327	2.40%	15	2.50%	20492	7.32
19123	306	2.25%	12	2.00%	11932	10.06
19124	265	1.95%	24	4.00%	58637	4.09
19125	199	1.46%	10	1.67%	22926	4.36
19126	100	0.73%	11	1.83%	17121	6.42
19127	18	0.13%	4	0.67%	5403	7.40
19128	69	0.51%		0.00%	34629	0.00
19129	77	0.57%		0.00%	9468	0.00
19130	478	3.51%	19	3.17%	18739	10.14
19131	356	2.62%	14	2.33%	46772	2.99
19132	816	5.99%	37	6.17%	43743	8.46
19133	627	4.61%	22	3.67%	31400	7.01
19134	359	2.64%	19	3.17%	56464	3.36
19135	71	0.52%	5	0.83%	30820	1.62
19136	200	1.47%	47	7.83%	37964	12.38
19137	23	0.17%		0.00%	8191	0.00
19138	299	2.20%	8	1.33%	35984	2.22
19139	602	4.42%	17	2.83%	45749	3.72
19140	894	6.57%	30	5.00%	60578	4.95
19141	329	2.42%	8	1.33%	34775	2.30
19142	148	1.09%	12	2.00%	28039	4.28
19143	910	6.69%	51	8.50%	77305	6.60
19144	521	3.83%	29	4.83%	48970	5.92
19145	309	2.27%	9	1.50%	49667	1.81
19146	768	5.64%	21	3.50%	34143	6.15
19147	526	3.86%	21	3.50%	32046	6.55
19148	230	1.69%	8	1.33%	47988	1.67
19149	76	0.56%		0.00%	45150	0.00
19150	163	1.20%		0.00%	27027	0.00
19151	144	1.06%	8	1.33%	30666	2.61
19152	32	0.24%		0.00%	29490	0.00
19153	63	0.46%	4	0.67%	12148	3.29
19154	42	0.31%		0.00%	36049	0.00
Unknown or < 4	60	0.44%	18	3.00%		
Total	13612	100.00%	600	100.00%	1505329	3.99

To Our Readers:

The Epidemiology Unit, AACO, Department of Public Health, which conducts AIDS surveillance for the City of Philadelphia, produces this report.

AIDS surveillance is the ongoing and systematic collection, analysis, and dissemination of population-based information on AIDS and AIDS mortality.

There are two basic types of surveillance; active and passive.

Passive surveillance is a process whereby diagnosing physicians voluntarily submit reports to the Department of Health. Active **Surveillance** employs strategies intended to identify unreported cases, and depends on secondary information sources for leads. Information from death certificates, direct contact with physicians and review of medical records, initiates the follow-up investigations. The AIDS case count in Philadelphia results from a combination of active and passive surveillance.

Physicians began reporting AIDS cases to the Department of Health in 1983. They report cases on a standard CDC report form to our unit by telephoning (215) 685-6713 during the day or by mailing the completed form to:

City of Philadelphia Department of Public Health
Post Office Box #58909
Philadelphia, PA 19102-8909

Security and Confidentiality

All information about AIDS patients is strictly confidential and is collected strictly for epidemiologic purposes. Confidentiality of AIDS case reports is of critical importance to maintaining effective HIV/AIDS surveillance. Federal, State and Local health departments have implemented procedures and policies to assure the confidentiality and security of AIDS data. CDC is prohibited from accepting patient names, and before records are transmitted electronically, all information is encrypted by a computer program. In addition, strict guidelines govern the release of reports similar to this one, which ensure that AIDS data are not represented in such a way so as to possibly identify any individual with AIDS. Maintenance of confidentiality and security safeguards are criteria for federal funding and are a top priority within the Philadelphia AIDS Surveillance Unit.

Notations

PMSA

Refers to the Philadelphia Primary Metropolitan Statistical Area and is comprised of the counties listed in Table 2. The PMSA is the unit of analysis used by epidemiologists for analyzing national data. The PMSA is identical to the Eligible Metropolitan Area (EMA), the region defined by Health and Human Services for funding purposes. All analyses in this publication refer to Philadelphia County only, unless specified otherwise.

Non-Philadelphia Cases

Case counts on non-Philadelphia PMSA counties is obtained through the appropriate State Health Departments.

According to the 1998 Census estimate, Philadelphia PMSA population is 4,946,562 and Philadelphia county is 1,436,287. New Jersey/Pennsylvania counties case reports are updated by the State and therefore may not change from quarter to quarter.

Latest 12 months

Refers to the twelve-month period that includes the current quarter of analyses and the preceding 9 months.

Cumulative

Indicates all cases reported for the duration of the epidemic through the end of the quarter that is being summarized.

Year to Date (YTD)

Includes all cases reported from the first of the calendar year through the last day of the current quarter.

Total

Prevalence of diagnoses are sorted in descending order by the percent expressed in the "total" column.

Date of Report

This quarterly report summarizes the data for AIDS cases by **DATE OF REPORT**.

Attention

To be added or removed from the Quarterly Statistical Report mailing list, to request data from the AIDS Activities Coordinating Office, or to make suggestions for future Quarterly Statistical Reports please contact Philip Di Bartolo, PA, MHA. He can be reached by telephone at (215) 685-6659, by fax at (215) 685-6674 or by e-mail at phil.dibartolo@phila.gov. We welcome any comments or criticisms that you may have.

Do you want more information? Surveillance staff may be available to make presentations of up-to-date surveillance data for Philadelphia or your hospital/reporting site/geographic area or presentations regarding the importance and methods of reporting AIDS cases. If interested, please contact Kathleen A. Brady, M.D. at (215) 685-6654 to schedule a meeting time.

AACO, PDPH
Surveillance Unit
123 S. Broad St., 23rd Floor
Philadelphia, PA 19109

ADDRESS CORRECTION REQUESTED

What do you think?

What do you think of the new look for the Philadelphia AIDS Surveillance Quarterly Update?

We'd like to know what you think. Please call, e-mail or fax your comments to Philip Di Bartolo, PA, MHA.

Telephone: (215) 685-6659

Fax at (215) 685-6674

E-mail at phil.dibartolo@phila.gov.

Look for more changes and updates over the next few issues.

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