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Publication schedule: This report reflects events occurring through March 31, 2005, and reported by December 31, 2005, unless otherwise stated. It represents diagnoses made through nine months prior to the publication date because case reporting is 85% complete by that time. Because cases continue to be reported for many months, the final numbers can be expected to be higher.

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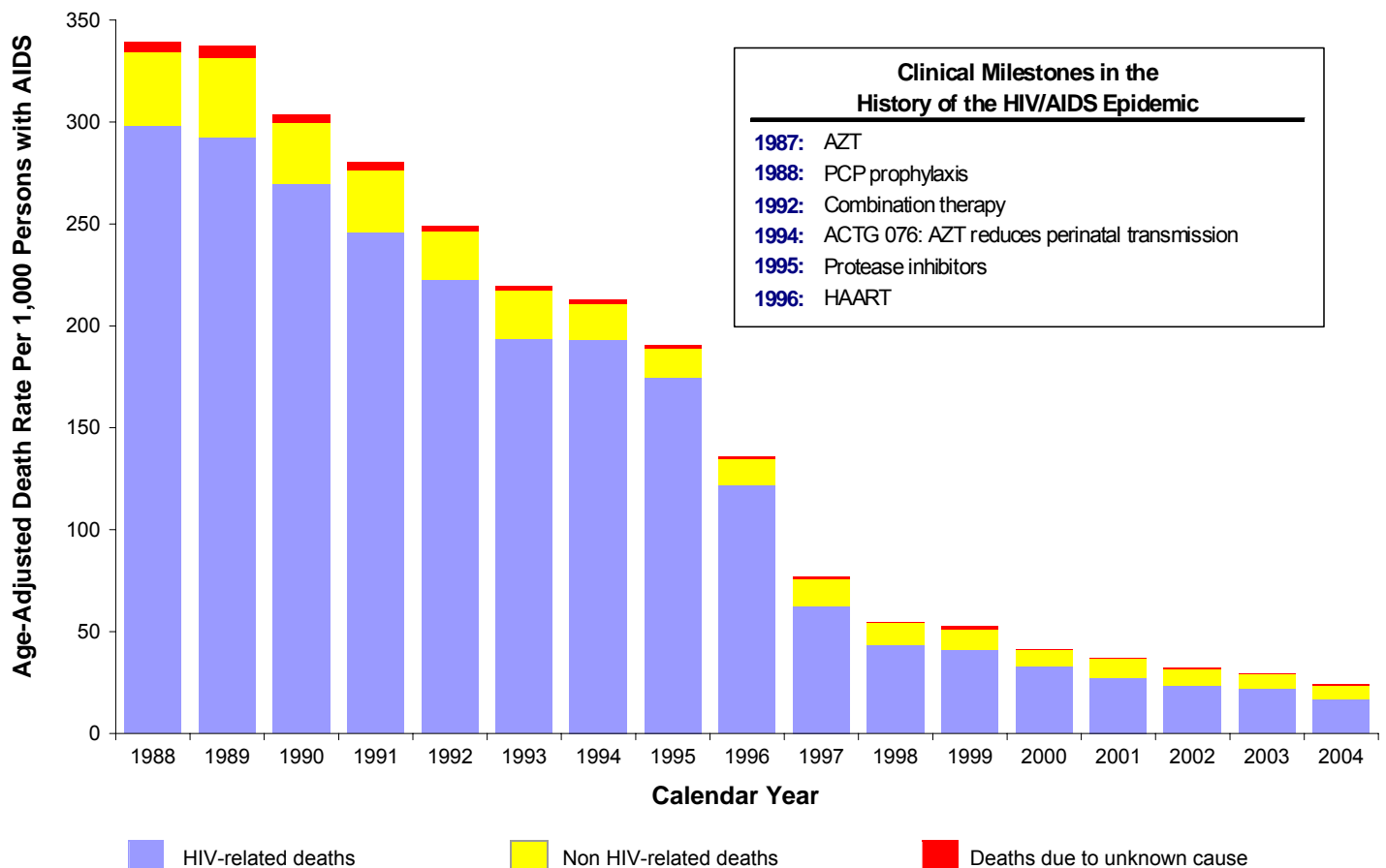
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HIV AND AIDS IN NEW YORK CITY: AN OVERVIEW

- As of March 31, 2005, **95,707** New Yorkers had been diagnosed and were known to be living with HIV/AIDS, including **34,246** living with HIV (non-AIDS) and **61,461** living with AIDS.
 - The true number of persons living with HIV/AIDS (PLWHA) in NYC is higher. It is estimated that **25%** of persons living with HIV have never been tested and thus do not know they are infected.
- Compared to the first quarter of 2004, during the first quarter of 2005:
 - The number of new HIV diagnoses was relatively unchanged, **908** versus **912**.
 - The number of new AIDS diagnoses decreased from **1,096** to **986**.
 - The proportion of new HIV diagnoses accounted for by men increased from **66.6%** to **73.4%**.
 - The proportion of new HIV diagnoses accounted for by men who have sex with men (MSM) increased from **30.5%** to **37.6%**.
- Between 2003 and 2004, the age-adjusted death rate per 1,000 PWA declined **21.8%** for HIV-related causes and **16.3%** for non-HIV-related causes.

Age-Adjusted Death Rate Per 1,000 Persons with AIDS, New York City 1988 - 2004



Reported HIV/AIDS diagnoses and deaths occurring January 1, 2005 through March 31, 2005, and reported persons living with HIV/AIDS as of March 31, 2005¹, in New York City

| | HIV diagnoses 1/1/2005–3/31/2005 ¹ | | | | | | AIDS diagnoses 1/1/2005–3/31/2005 ³ | | PLWHA as of 3/31/2005 | | Deaths 1/1/2005–3/31/2005 | |
|--|---|--------------|--------------|-------------|---|-------------|--|--------------|-----------------------|--------------|---------------------------|--------------|
| | Total | | Without AIDS | | Concurrent with AIDS diagnosis ² | | N | % | N | % | N | % |
| | N | % | N | % | N | % | | | | | | |
| Total | 912 | 100.0 | 677 | 74.2 | 235 | 25.8 | 986 | 100.0 | 95,707 | 100.0 | 588 | 100.0 |
| Sex | | | | | | | | | | | | |
| Male | 669 | 73.4 | 494 | 73.0 | 175 | 74.5 | 680 | 69.0 | 66,511 | 69.5 | 393 | 66.8 |
| Female | 243 | 26.6 | 183 | 27.0 | 60 | 25.5 | 306 | 31.0 | 29,010 | 30.3 | 195 | 33.2 |
| Unknown | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 186 | 0.2 | 0 | 0.0 |
| Race/Ethnicity | | | | | | | | | | | | |
| Black | 473 | 51.9 | 347 | 51.3 | 126 | 53.6 | 535 | 54.3 | 42,516 | 44.4 | 310 | 52.7 |
| Hispanic | 277 | 30.4 | 195 | 28.8 | 82 | 34.9 | 304 | 30.8 | 30,432 | 31.8 | 185 | 31.5 |
| White | 131 | 14.4 | 110 | 16.2 | 21 | 8.9 | 130 | 13.2 | 20,424 | 21.3 | 88 | 15.0 |
| Asian/Pacific Islander | 26 | 2.9 | 20 | 3.0 | 6 | 2.6 | 11 | 1.1 | 1,096 | 1.1 | * | * |
| Native American | * | * | * | * | 0 | 0.0 | * | * | 77 | 0.1 | 0 | 0.0 |
| Other/unknown | * | * | * | * | 0 | 0.0 | * | * | 1,162 | 1.2 | * | * |
| Age group (years)⁴ | | | | | | | | | | | | |
| 0-12 | * | * | * | * | 0 | 0.0 | 0 | 0.0 | 1,078 | 1.1 | * | * |
| 13-19 | 34 | 3.7 | 30 | 4.4 | * | * | 10 | 1.0 | 1,440 | 1.5 | * | * |
| 20-29 | 201 | 22.0 | 166 | 24.5 | 35 | 14.9 | 121 | 12.3 | 5,545 | 5.8 | 11 | 1.9 |
| 30-39 | 290 | 31.8 | 218 | 32.2 | 72 | 30.6 | 284 | 28.8 | 21,337 | 22.3 | 84 | 14.3 |
| 40-49 | 234 | 25.7 | 162 | 23.9 | 72 | 30.6 | 348 | 35.3 | 37,874 | 39.6 | 217 | 36.9 |
| 50-59 | 110 | 12.1 | 74 | 10.9 | 36 | 15.3 | 171 | 17.3 | 21,538 | 22.5 | 206 | 35.0 |
| 60+ | 40 | 4.4 | 24 | 3.5 | 16 | 6.8 | 52 | 5.3 | 6,895 | 7.2 | 68 | 11.6 |
| Borough of residence | | | | | | | | | | | | |
| Manhattan | 258 | 28.3 | 195 | 28.8 | 63 | 26.8 | 279 | 28.3 | 29,783 | 31.1 | 159 | 27.0 |
| Brooklyn | 261 | 28.6 | 186 | 27.5 | 75 | 31.9 | 284 | 28.8 | 23,656 | 24.7 | 173 | 29.4 |
| Bronx | 203 | 22.3 | 142 | 21.0 | 61 | 26.0 | 236 | 23.9 | 20,864 | 21.8 | 140 | 23.8 |
| Queens | 134 | 14.7 | 105 | 15.5 | 29 | 12.3 | 128 | 13.0 | 12,942 | 13.5 | 78 | 13.3 |
| Staten Island | 17 | 1.9 | 16 | 2.4 | * | * | 15 | 1.5 | 1,716 | 1.8 | 13 | 2.2 |
| Unknown/outside NYC | 39 | 4.3 | 33 | 4.9 | 6 | 2.6 | 44 | 4.5 | 6,746 | 7.0 | 25 | 4.3 |
| Transmission risk | | | | | | | | | | | | |
| Men who have sex with men | 343 | 37.6 | 263 | 38.8 | 80 | 34.0 | 276 | 28.0 | 26,958 | 28.2 | 64 | 10.9 |
| Injection drug use history | 69 | 7.6 | 49 | 7.2 | 20 | 8.5 | 162 | 16.4 | 22,231 | 23.2 | 249 | 42.3 |
| Heterosexual ⁵ | 137 | 15.0 | 97 | 14.3 | 40 | 17.0 | 174 | 17.6 | 17,695 | 18.5 | 101 | 17.2 |
| Perinatal | * | * | * | * | 0 | 0.0 | * | * | 2,451 | 2.6 | * | * |
| Other | * | * | * | * | 0 | 0.0 | * | * | 534 | 0.6 | * | * |
| Unknown/under investigation ⁶ | 359 | 39.4 | 264 | 39.0 | 95 | 40.4 | 369 | 37.4 | 25,838 | 27.0 | 165 | 28.1 |
| Clinical status as of 3/31/2005 | | | | | | | | | | | | |
| HIV (non-AIDS) | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | 34,246 | 35.8 | 59 | 10.0 |
| AIDS | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | 61,461 | 64.2 | 529 | 90.0 |

PLWHA=Persons living with HIV/AIDS. Cells representing 1-5 person(s) are marked with an asterisk (*).

¹ For events reported by December 31, 2005.

² HIV diagnosed concurrently with AIDS (within 31 days of HIV diagnosis).

³ AIDS was diagnosed in 2005 and includes concurrent HIV/AIDS diagnosis.

⁴ For HIV and AIDS diagnoses, age at diagnosis; for PLWHA, age as of March 31, 2005; and for deaths, age at death.

⁵ Includes persons with CDC-defined heterosexual risk and persons with probable heterosexual transmission. CDC heterosexual risk is defined as heterosexual sex with an HIV-infected person, an injection drug user, a bisexual male or a person with hemophilia/coagulation disorder. Probable heterosexual transmission is defined as a history of a) heterosexual prostitution, b) sex with a prostitute of the opposite sex, c) multiple sex partners of the opposite sex, d) sexually transmitted disease, e) crack/cocaine use or f) immigration from a country where heterosexual transmission of HIV predominates.

⁶ Includes individuals with no risk information reported by the provider and for whom an expanded investigation has not been completed.

Which HIV-related events are reportable in New York State, and who is required to report?

In 1998, New York State expanded AIDS case reporting to include HIV (Chapter 163 of the Laws of 1998, PHL Article 21). The law took effect on **June 1, 2000** and was amended on **June 1, 2005**. All diagnostic and clinical providers (doctors, nurses, physician assistants, and all others diagnosing HIV or providing care to HIV-infected persons) and laboratories are required by law to report the following events:

Events reportable by providers on the required New York State Provider Report Form (PRF)

- Diagnoses of HIV infection
- Diagnoses of HIV illness in a previously unreported individual (i.e., HIV illness not meeting the AIDS case definition)
- Diagnoses of AIDS-defining conditions

Events reportable by laboratories

- All positive Western blot test results
- All viral load test results (detectable and undetectable)
- All CD4 test results
- All viral nucleotide sequence results

*For assistance in reporting a case of HIV/AIDS, to receive Provider Report Forms, or to obtain more information, please call
(212) 442-3388*



**TALK TO US
CNAP
(212) 693-1419**

New York State law also requires that PRFs contain names of sexual or needle-sharing partners of the infected person known to medical providers or those whom the infected person wishes to have notified of their possible exposures. Providers can utilize and/or refer HIV-infected persons to the NYC DOHMH Contact Notification Assistance Program (CNAP) at (212) 693-1419 for assistance in carrying out partner notification.

For more information about the New York State HIV reporting and partner notification law and CNAP, visit:

www.health.state.ny.us/nysdoh/hiv/aids/hivpartner/intro.htm

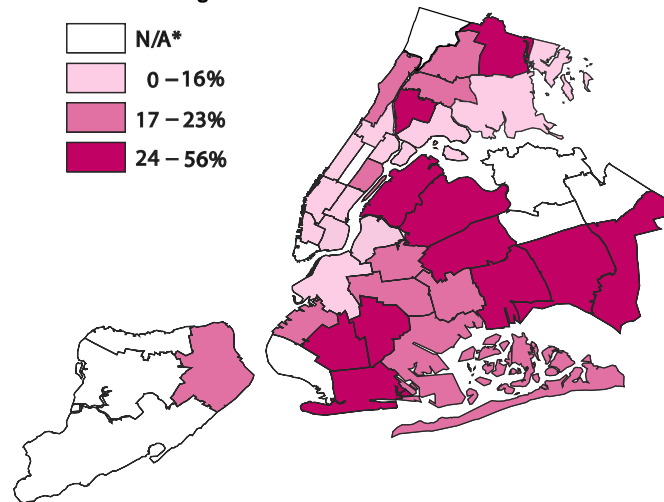
Foreign-Born Persons Newly Diagnosed with HIV, New York City 2004

Over the past two decades, New York City has experienced rapid growth in the foreign-born population; that growth is expected to continue.¹ Currently, an estimated 35.9% percent of New York City's population is foreign-born.² Of all the boroughs, the highest percentage of foreign-born persons resides in Queens (46.1%, n=1,028,339), followed by Brooklyn (37.8%, n=931,769), Manhattan (29.4%, n=452,440), the Bronx (29.0%, n=385,827) and Staten Island (16.4%, n=72,657).²

Available data indicate that foreign-born New Yorkers are less likely to have insurance and a primary care provider than those born in the United States, and therefore may face barriers to accessing health care, including HIV testing and treatment.¹ In 2004, HIV was newly diagnosed in 845 persons born in a foreign country (23.1% of all HIV diagnoses), 121 persons born in a U.S. dependency, primarily Puerto Rico (3.3%) and 1,459 persons born in the U.S. (39.9%). Area of birth was unknown for 1,228 persons (33.6%).³

New HIV diagnoses in the boroughs and United Hospital Fund (UHF) neighborhoods of New York City, 2004³

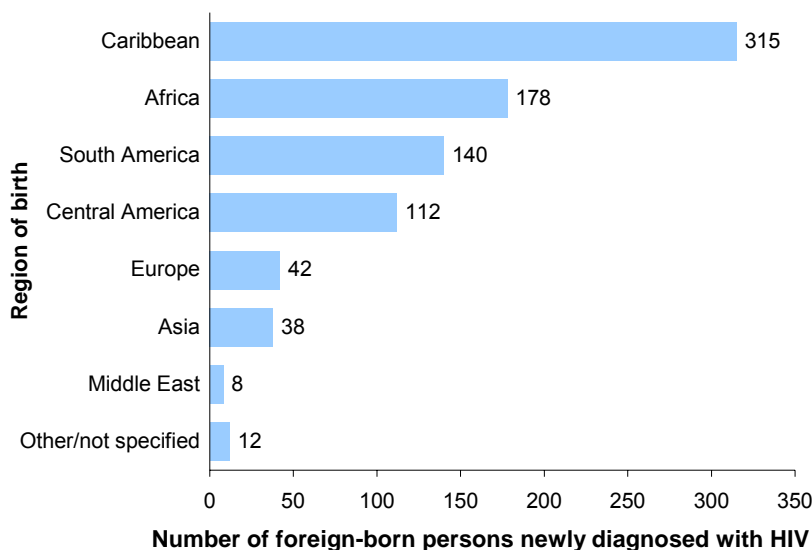
Percentage of persons newly diagnosed with HIV who are foreign-born



* Data not shown for UHF neighborhoods with fewer than 20 persons newly diagnosed with HIV in 2004

- Neighborhoods in the Bronx, Brooklyn and Queens have the highest percentage of persons newly diagnosed with HIV who are foreign-born. West Queens is the UHF neighborhood with the highest percentage (55.3%, n=84).
- Of all the boroughs, Queens has the highest percentage of persons with new HIV diagnoses who are foreign-born (42.6%, n=233), followed by Brooklyn (24.3%, n=241), the Bronx (20.5%, n=184), Staten Island (20.5%, n=15) and Manhattan (14.2%, n=136).⁴
- The top country of birth among foreign-born persons newly diagnosed with HIV is the Dominican Republic in Manhattan (12.5%, n=17) and the Bronx (14.7%, n=27), Haiti (15.4%, n=37) in Brooklyn, and Mexico (12.0%, n=28) in Queens.

Region of birth among foreign-born persons newly diagnosed with HIV, New York City 2004³



- Persons born in the Caribbean comprise the largest percentage of new HIV diagnoses among the foreign-born (37.3%, n=315), followed by Africa (21.1%, n=178), South America (16.6%, n=140) and Central America (13.3%, n=112).
- Persons newly diagnosed with HIV born in Africa are primarily from sub-Saharan countries, including Ghana (12.9%, n=23), Cote d'Ivoire (10.7%, n=19), Nigeria (10.7%, n=19) and Zambia (9.0%, n=16). More than half reside in neighborhoods in the Bronx, Central Brooklyn and Harlem.
- Almost one-half of persons newly diagnosed with HIV born in South and Central America live in Queens (45.2%, n=114).

¹ Van Wye G, Kim M, Kerker B, Thorpe L, Frieden TR. *The Health of Immigrants in New York City*. New York: New York City Department of Health and Mental Hygiene, 2006.

² U.S. Census Bureau. *Census 2000*. Washington DC 2002.

³ Based on data reported through September 30, 2005.

⁴ Borough information is unknown for 36 foreign-born persons newly diagnosed with HIV.

Rates of reported HIV diagnoses, PWHA, and deaths among PWHA by United Hospital Fund (UHF) neighborhood, New York City 2004¹

| | HIV diagnoses ² per 100,000 population | Reported PWHA as percent of population | Age-adjusted death rate per 1,000 PWHA ³ | Population from 2000 Census |
|--------------------------------------|---|--|---|-----------------------------|
| Total | 45.6 | 1.2 | 22.6 | 8,008,278 |
| Bronx⁴ | 67.6 | 1.6 | 28.8 | 1,327,690 |
| Crotona – Tremont | 82.2 | 2.1 | 34.0 | 199,530 |
| Fordham – Bronx Park | 71.1 | 1.5 | 25.9 | 250,491 |
| High Bridge – Morrisania | 105.4 | 2.4 | 29.4 | 189,755 |
| Hunts Point – Mott Haven | 105.0 | 2.3 | 33.2 | 122,875 |
| Kingsbridge – Riverdale | 19.1 | 0.5 | 20.0 | 88,989 |
| Northeast Bronx | 33.9 | 0.8 | 16.0 | 185,998 |
| Pelham – Throgs Neck | 42.8 | 1.1 | 29.6 | 290,052 |
| Brooklyn⁴ | 40.2 | 1.0 | 27.8 | 2,465,326 |
| Bedford/Stuyvesant – Crown Heights | 88.9 | 1.8 | 31.8 | 317,296 |
| Bensonhurst – Bay Ridge | 8.2 | 0.2 | 28.7 | 194,558 |
| Borough Park | 11.1 | 0.3 | 34.0 | 324,411 |
| Canarsie – Flatlands | 30.3 | 0.5 | 24.4 | 197,819 |
| Coney Island - Sheepshead Bay | 13.2 | 0.4 | 28.8 | 286,901 |
| Downtown – Heights – Park Slope | 40.5 | 1.3 | 23.1 | 214,696 |
| East Flatbush – Flatbush | 56.2 | 1.1 | 18.1 | 316,734 |
| East New York | 57.6 | 1.4 | 35.1 | 173,716 |
| Greenpoint | 22.5 | 0.7 | 24.4 | 124,449 |
| Sunset Park | 24.1 | 0.6 | 24.2 | 120,441 |
| Williamsburg – Bushwick | 56.6 | 1.7 | 31.1 | 194,305 |
| Manhattan⁴ | 62.8 | 2.0 | 18.7 | 1,529,375 |
| Central Harlem – Morningside Heights | 119.8 | 2.6 | 30.9 | 151,113 |
| Chelsea – Clinton | 151.2 | 4.4 | 14.6 | 122,998 |
| East Harlem | 102.7 | 2.6 | 27.7 | 108,092 |
| Gramercy Park – Murray Hill | 45.0 | 1.6 | 16.1 | 124,477 |
| Greenwich Village – Soho | 63.3 | 2.3 | 11.6 | 83,709 |
| Lower Manhattan | 48.6 | 1.3 | 21.8 | 30,895 |
| Union Square – Lower East Side | 38.0 | 1.6 | 18.7 | 197,138 |
| Upper East Side | 19.7 | 0.6 | 11.9 | 218,167 |
| Upper West Side | 29.3 | 1.4 | 18.1 | 222,109 |
| Washington Heights – Inwood | 48.4 | 1.2 | 17.1 | 270,677 |
| Queens⁴ | 24.4 | 0.6 | 18.0 | 2,242,159 |
| Bayside – Little Neck | 9.1 | 0.1 | 15.2 | 88,164 |
| Flushing – Clearview | 7.0 | 0.2 | 20.5 | 255,542 |
| Fresh Meadows | 11.8 | 0.3 | 19.9 | 93,148 |
| Jamaica | 42.0 | 0.9 | 17.9 | 285,568 |
| Long Island City – Astoria | 30.8 | 0.7 | 11.6 | 220,960 |
| Ridgewood – Forest Hills | 11.2 | 0.4 | 10.7 | 240,901 |
| Rockaway | 30.0 | 0.7 | 20.0 | 106,738 |
| Southeast Queens | 19.1 | 0.5 | 21.2 | 203,670 |
| Southwest Queens | 20.0 | 0.4 | 22.8 | 269,952 |
| West Queens | 31.8 | 0.7 | 19.8 | 477,516 |
| Staten Island⁴ | 16.5 | 0.4 | 24.3 | 443,728 |
| Port Richmond | 27.1 | 0.6 | 24.6 | 62,788 |
| South Beach – Tottenville | 6.1 | 0.2 | 30.5 | 179,892 |
| Stapleton – St. George | 32.7 | 0.7 | 26.3 | 116,227 |
| Willowbrook | 2.4 | 0.2 | 17.1 | 84,821 |

PWHA = Persons with HIV/AIDS.

¹ Based on data reported through September 30, 2005.

² Includes diagnoses of HIV without AIDS and HIV concurrent with AIDS.

³ Age-adjusted to the city-wide population of PWHA at the end of 2004.

⁴ Borough level data include persons residing in unknown UHF neighborhoods.

