

The State of the HIV/AIDS Epidemic

Congressional Staff Briefing

April 3, 2000

AIDS Cases and Deaths Reported through June 1999, United States

	<u>Cases</u>	<u>Deaths</u>
Adult/Adolescent	702,748	415,226
Children	<u>8,596</u>	<u>4,975</u>
Total	711,344	420,201

Changes in AIDS Incidence and Deaths, 1995-98

	Decline (1995-1996)	Decline (1996-1997)	Decline (1997-1998)
AIDS INCIDENCE	12%	18%	11%
AIDS DEATHS	25%	42%	20%

Rate of AIDS Cases and Deaths per 100,000 Population with Comparative Ratios by Race, 1998

	AIDS	Ratio	Deaths	Ratio
White	8.42	1.0	3.32	1.0
Black	81.94	9.7	32.46	9.8
Hispanic	34.68	4.2	12.24	3.7
Asian/PI	4.14	0.5	1.32	0.4
Amer Ind.	9.37	1.1	4.19	1.3

Reasons for Slowing Declines in AIDS Deaths

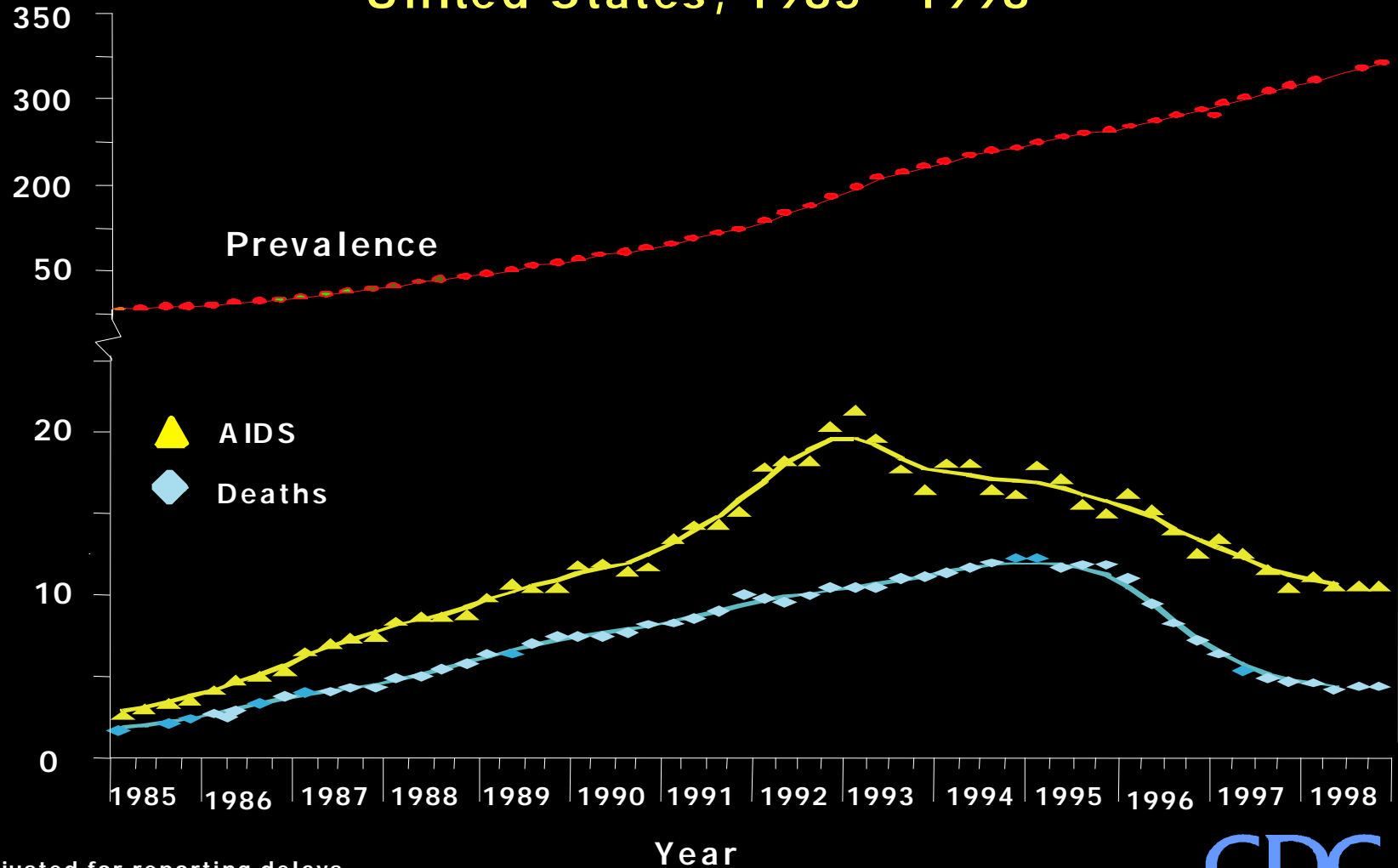
Most diagnosed individuals reached

Drug resistance

Treatment failure

Adherence

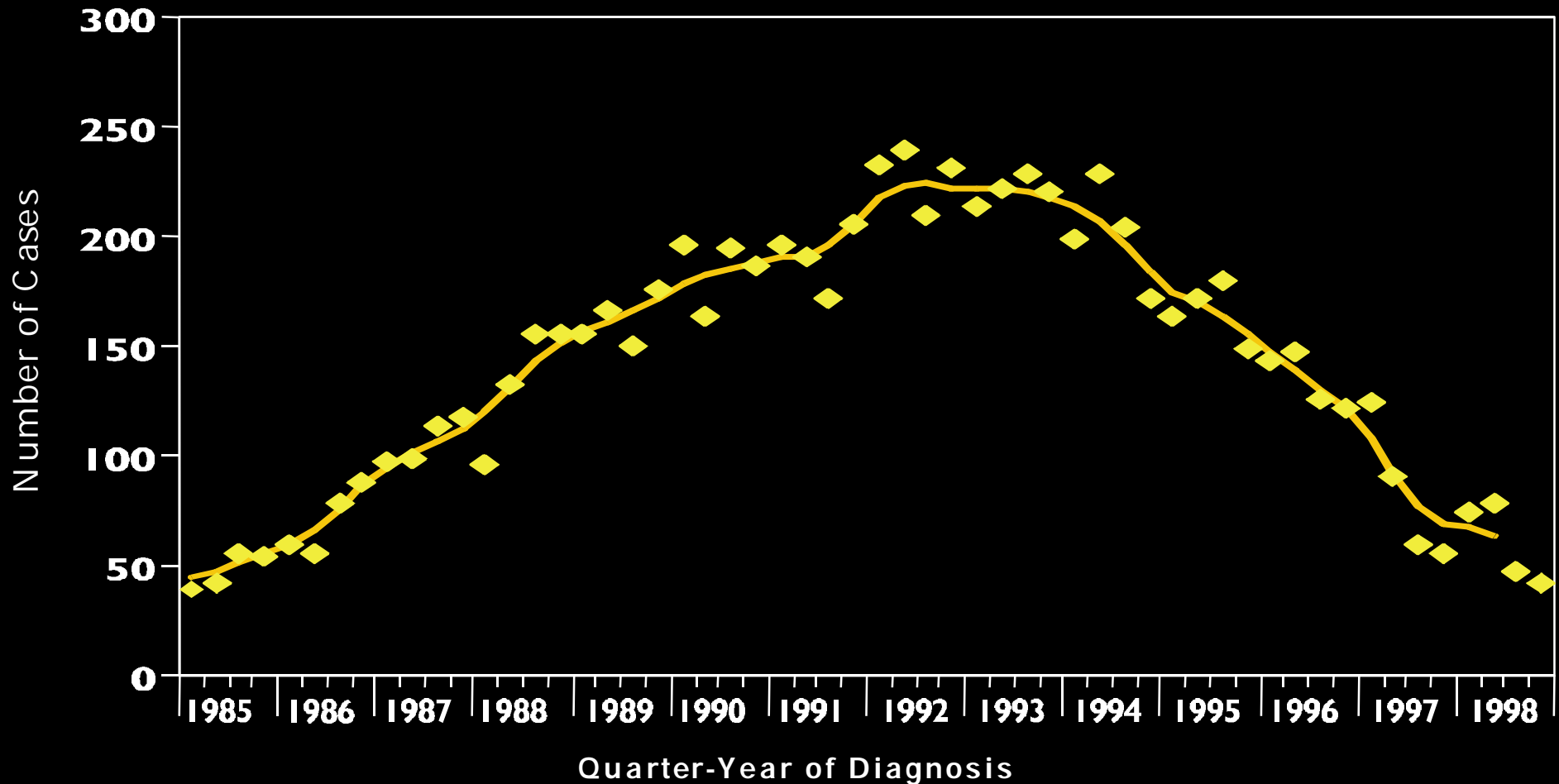
Estimated Incidence of AIDS, Deaths, and Prevalence by Quarter-Year of Diagnosis/Death, United States, 1985 - 1998*



*Adjusted for reporting delays

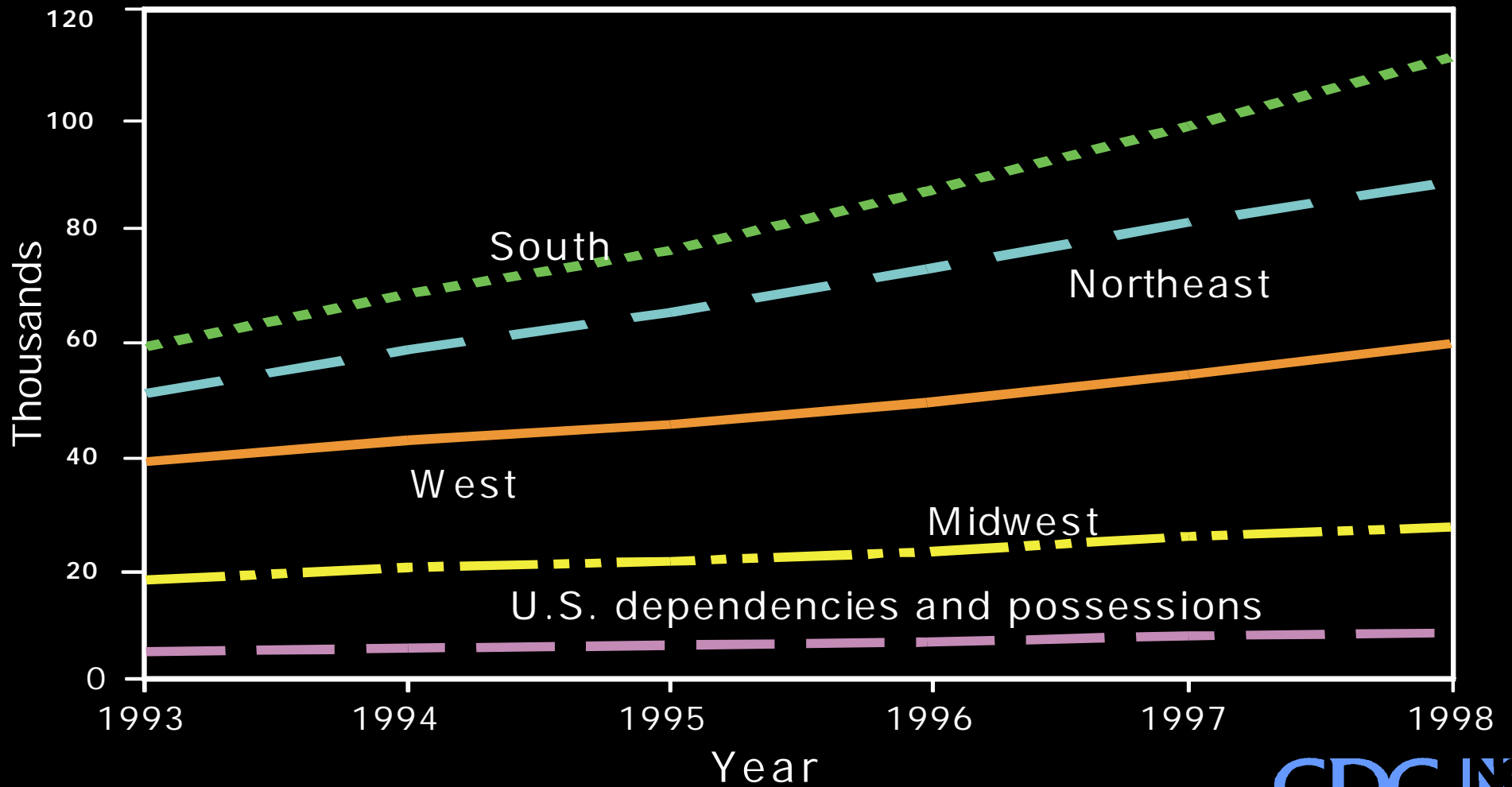
Year

Perinately Acquired AIDS Cases by Quarter-Year of Diagnosis*, 1985-1998, United States

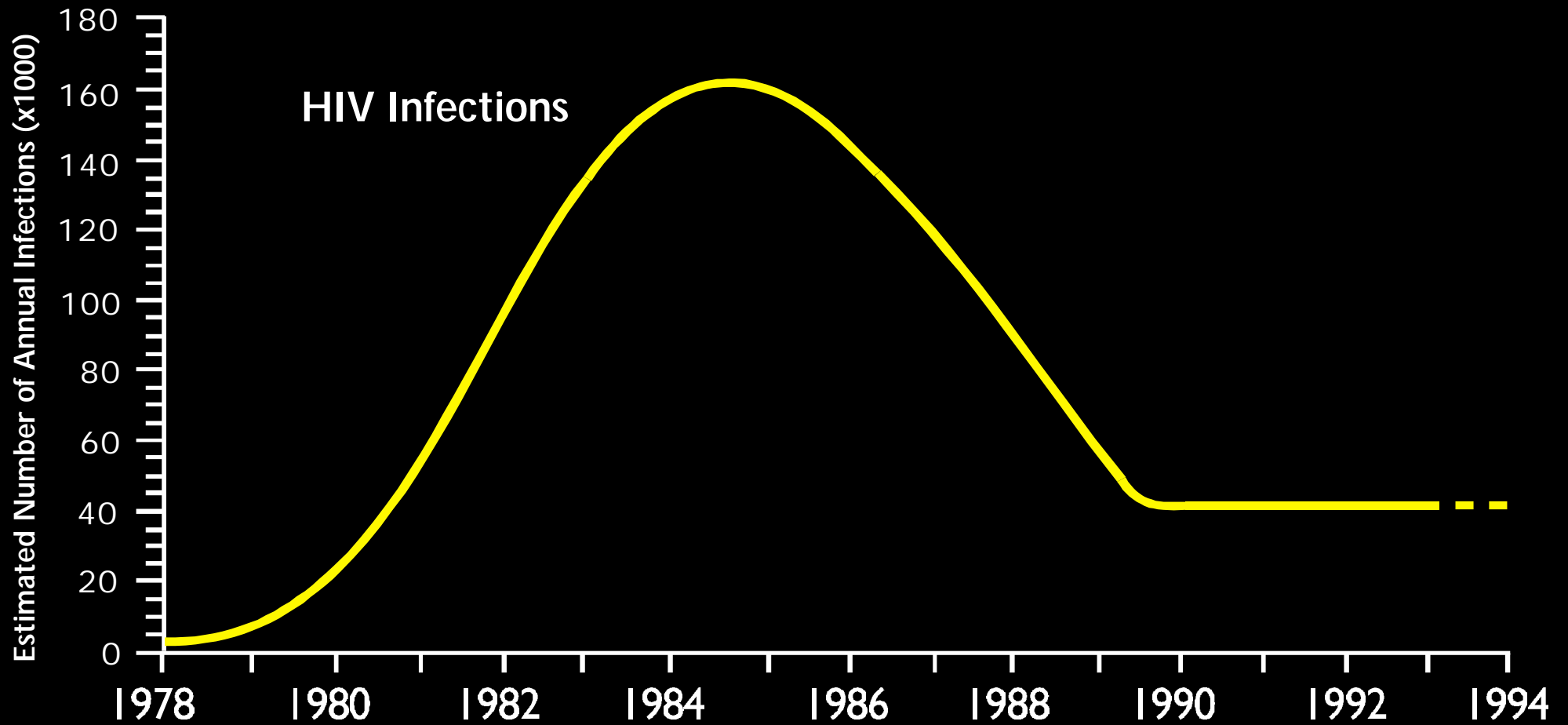


*Adjusted for reporting delays and redistribution of NIRs, data reported through June 1999.

Estimated Number of Persons Living with AIDS, 1993 -1998, by Region, United States



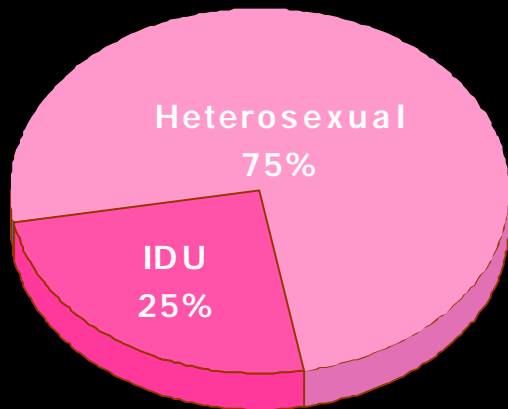
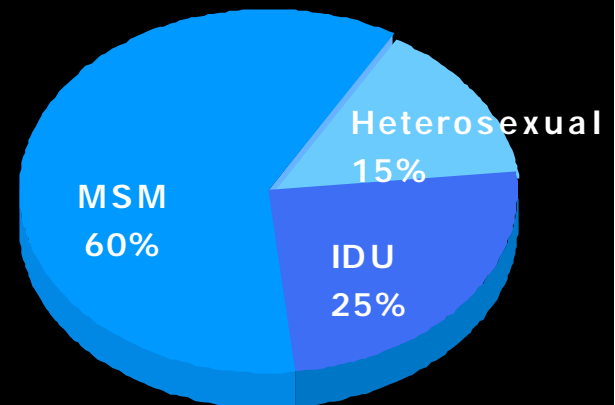
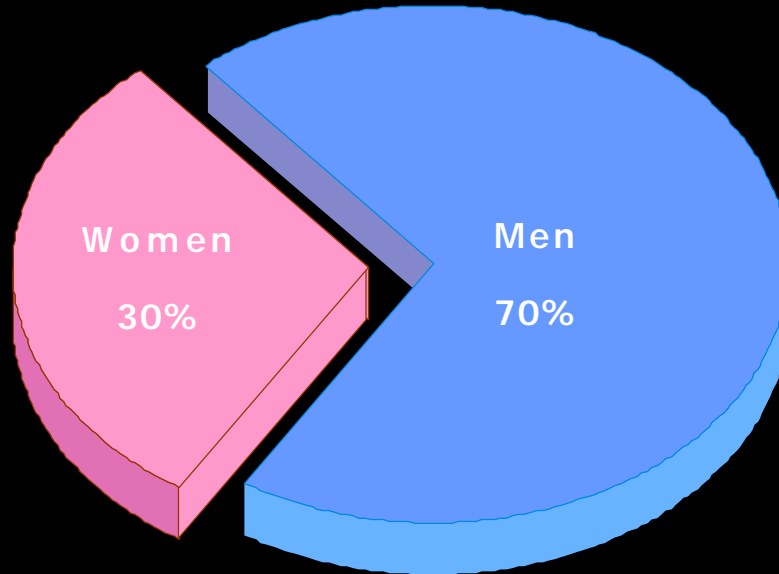
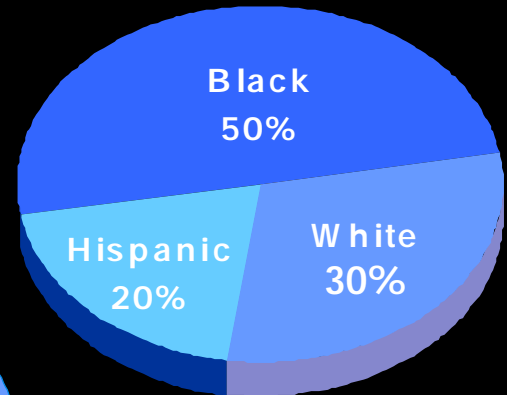
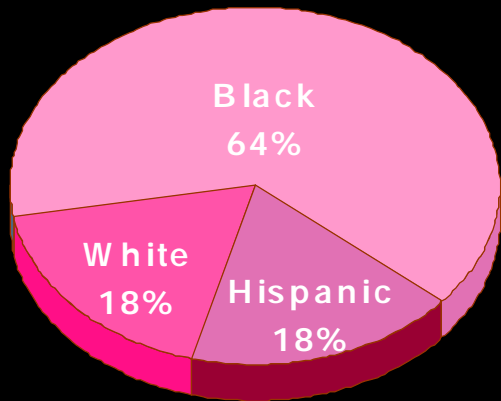
Estimated Number of New Infections Annually



SOURCE: Centers for Disease Control and Prevention

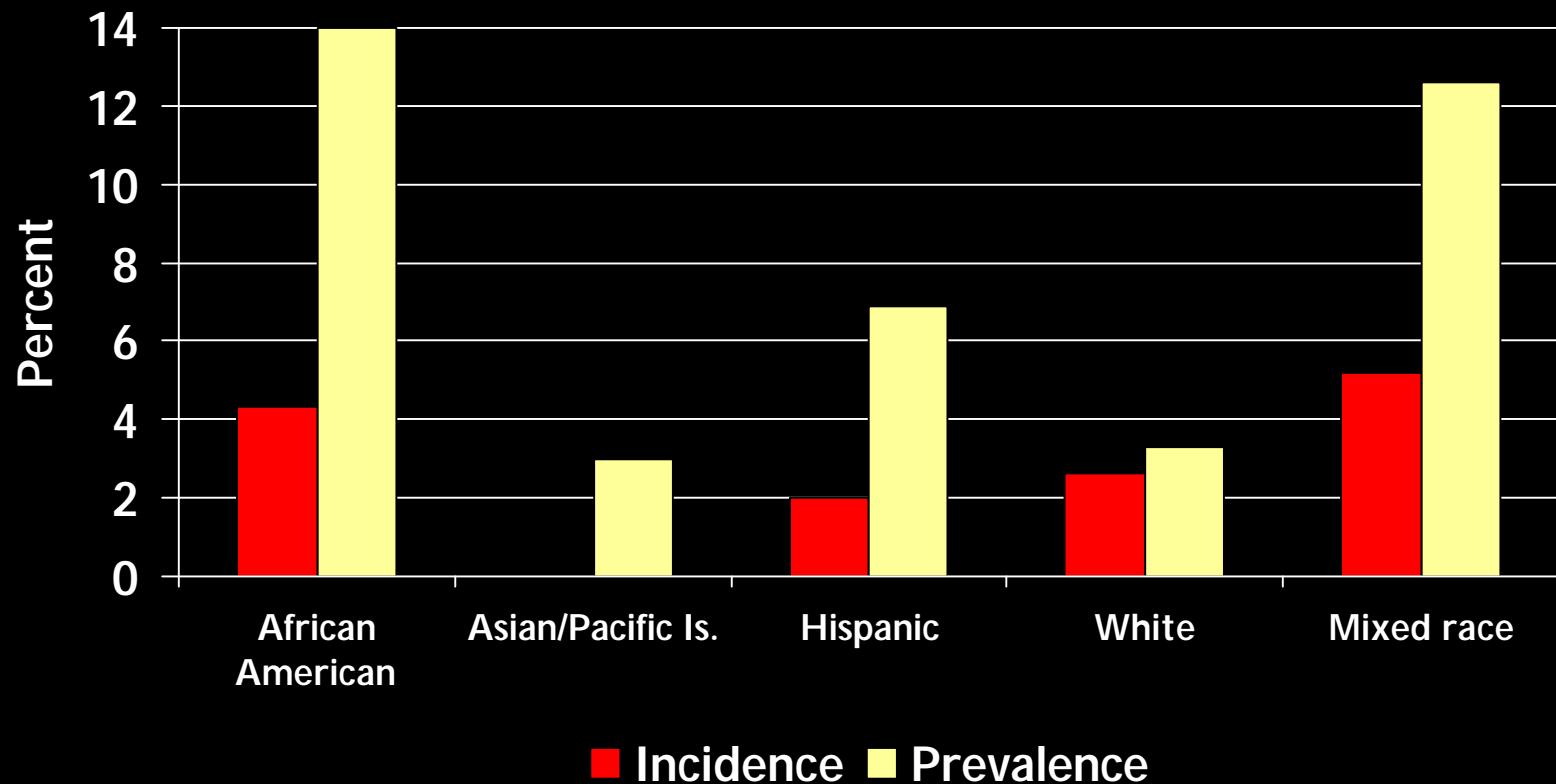
**An estimated 100 Americans are infected
with HIV daily**

Estimates of Annual New Infections in U.S., by Race and Risk



(N ≈ 40,000)

YMS: HIV Incidence and Prevalence by Race/Ethnicity



Incarcerated Persons

- In 1999, approximately 2 million in jails/prisons
- Approximately 12 million releases each year
- 8,900 inmates with AIDS in U.S., 1997
- 35,000 - 47,000 with HIV infection in U.S., 1997
- 17% of all U.S. HIV infected persons pass thru a correctional facility, 1996

Rural Areas and Small Cities

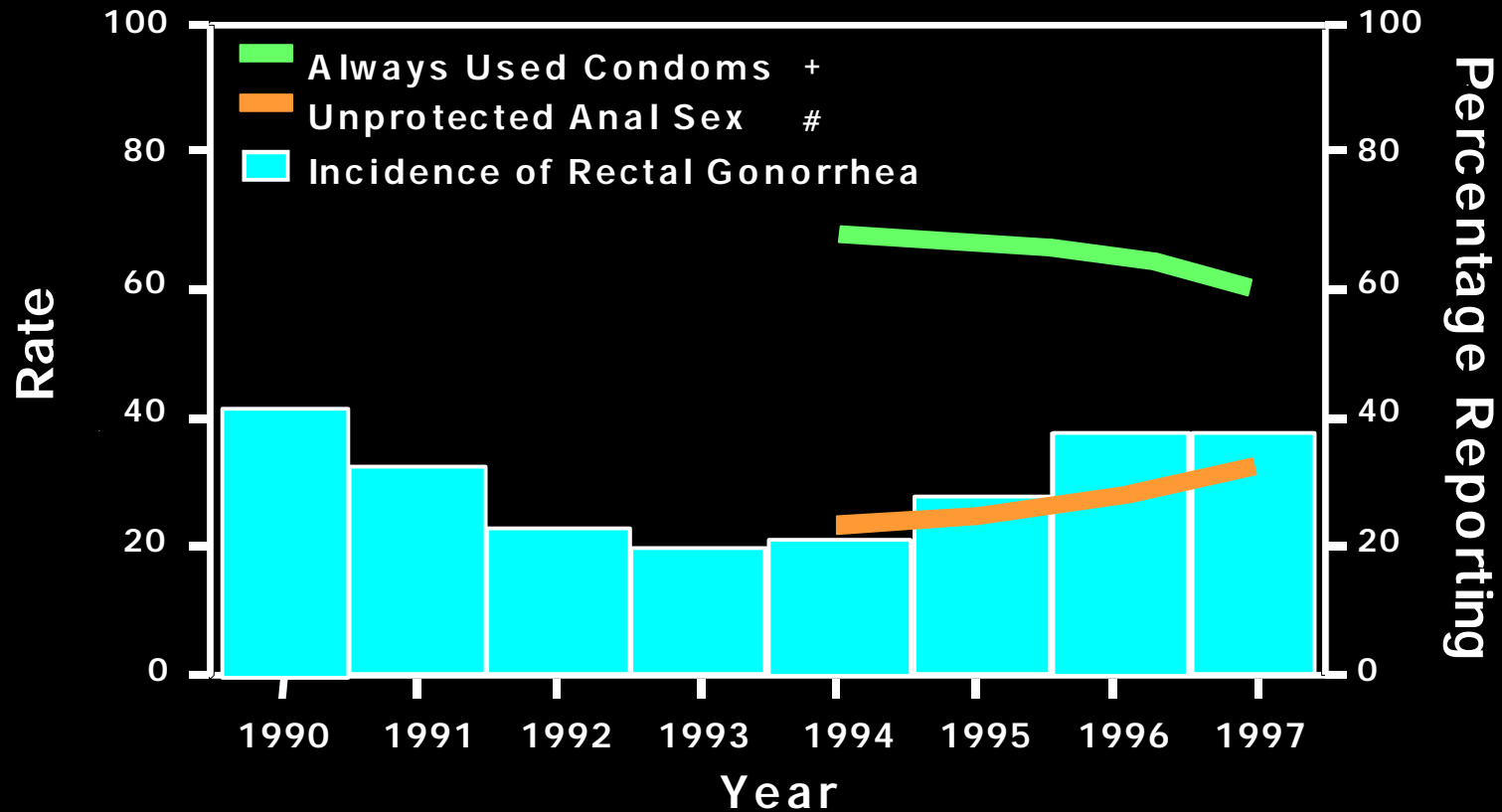
- Sexual transmission exposure
 - Linked to increase use of crack cocaine and the resultant exchange of sex for drugs
- High-risk behaviors
 - Unprotected sex
 - Exchanging sex for money or drugs
 - High rates of STDs and alcohol abuse
- Unaware of transmission process or partners' risk for HIV before learning of HIV serostatus
- Need for sustained access to counseling and behavioral risk reduction programs for at risk populations and HIV-infected persons

Combating Complacency

Success of HIV Treatments

- **AIDS cases declining while people living with AIDS increasing**
- **Study of 1,976 HIV negative or untested persons at risk:**
 - 17% less careful about sex and drug use because of new treatments
 - 25% among MSM
 - 31% less concerned about becoming infected for same reasons
 - 13% among MSM
- **New HIV treatments may lead to high-risk individuals to become complacent about HIV prevention and cause increased incidence of HIV infection**

Percentage of Men Who Have Sex with Men Reporting Selected Sexual Behaviors, and Rate* of Male Rectal Gonorrhea - San Francisco, 1990-1997



* Per 100,000 men aged ≥15 years.

+ Condoms always used during anal sex during the previous 6 months.

Unprotected anal sex with two or more partners during the previous 6 months.

Source: *MMWR* Vol 48 (3), January 29, 1999

LA County Syphilis Outbreak

68 cases reported in 1998

23 cases of syphilis reported among LA County gay men over the last two to six weeks

- **2/3rd of the men are also infected with HIV/AIDS**

Limited to a particular group, but the men are also having sex with women

National Prevention Goals

Reduce the number of new HIV infections by 50% from 40,000 to 20,000 by 2005

Increase the percent of HIV-infected people who know their serostatus through voluntary counseling and testing from 70% to 95%

Increase the percent of HIV-infected people who receive prevention services and are linked to appropriate care and treatment from the current estimated 50% to 80% by 2005

Community Planning

- Provides an approach and model to ensure community voices with science promotes programs that focus on the local epidemic
- HIV prevention programs are proven to work:
 - Communicating openly with youth about delaying sex and using condoms consistently works
 - Empowering women in their sexual relationships works
 - Fighting homophobia to shun fear of accessing prevention works
 - Access to condoms works
 - Culturally relevant street outreach works
 - Access to substance abuse treatment and clean needles works

Awareness of Serostatus among Persons Living with HIV, United States

Number HIV infected	800,000-900,000
Number aware of their HIV infection	625,000
Number unaware of their HIV infection	175,000-275,000

Greater Focus on HIV Testing as Pathway to Care and Prevention

More routine counseling and testing

Continued strong support for anonymous testing

Combat stigma

Respect for confidentiality



Benefits of Knowledge of HIV Status Now

Individual Benefits

- Benefits of care and treatment

Public Health Benefits

- Change in risk behavior of HIV-infected persons
- Potential of HAART reducing infectiousness

Increase the number of HIV infected persons who know their status as soon after infection as possible

Encourage persons to seek testing

- educate persons at risk about the benefits (and risks) of testing
- campaign to decrease stigma associated with HIV testing

Make testing more available

- utilize rapid HIV tests
- outreach by community based organizations
- routine voluntary testing in high prevalence medical settings (e.g., emergency rooms)
- routine voluntary testing in correctional facilities

Defining HIV Prevention in the Treatment Era

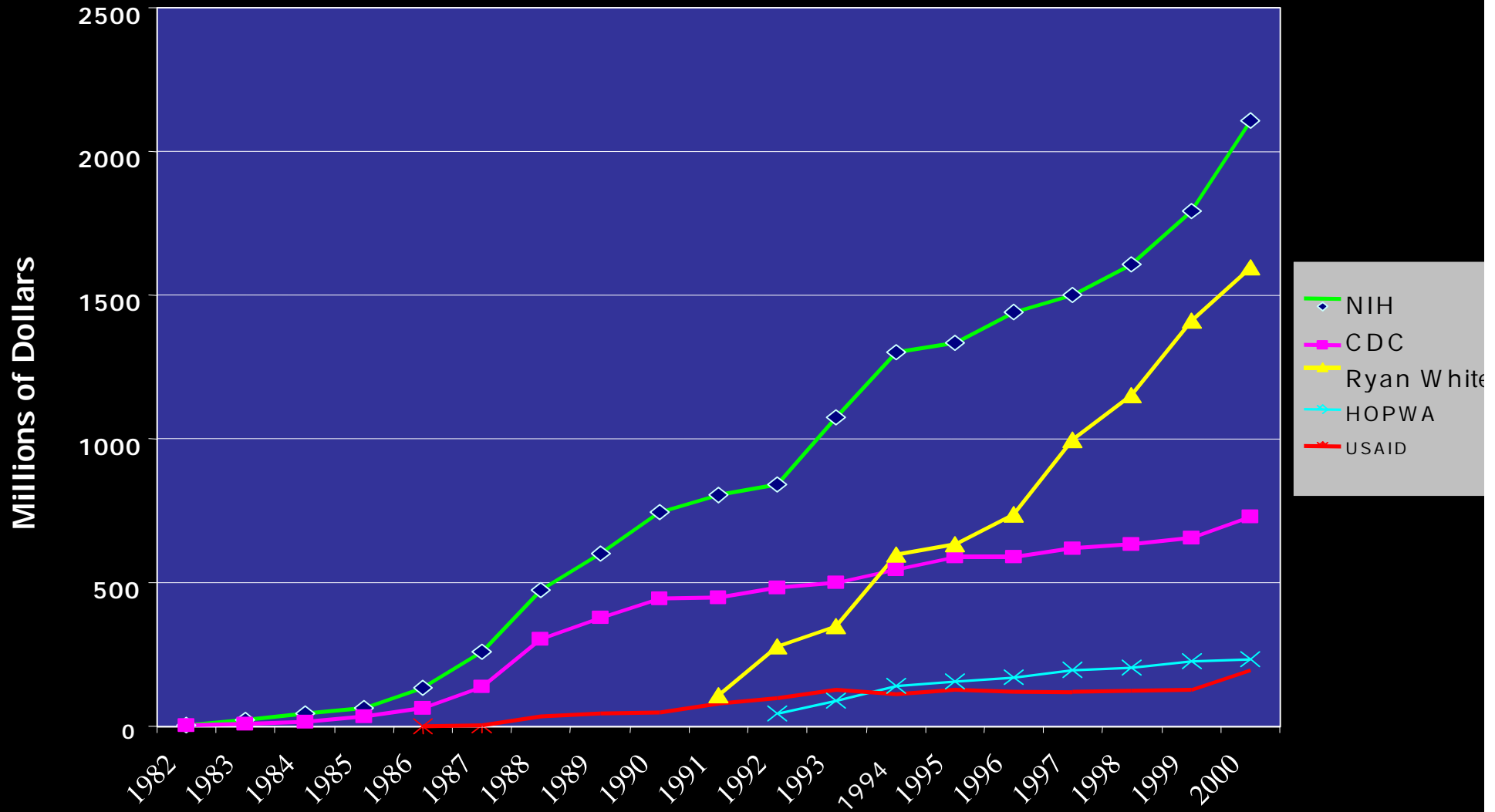
Reaching expanded population at risk

Reaching HIV-infected with testing, treatment and prevention

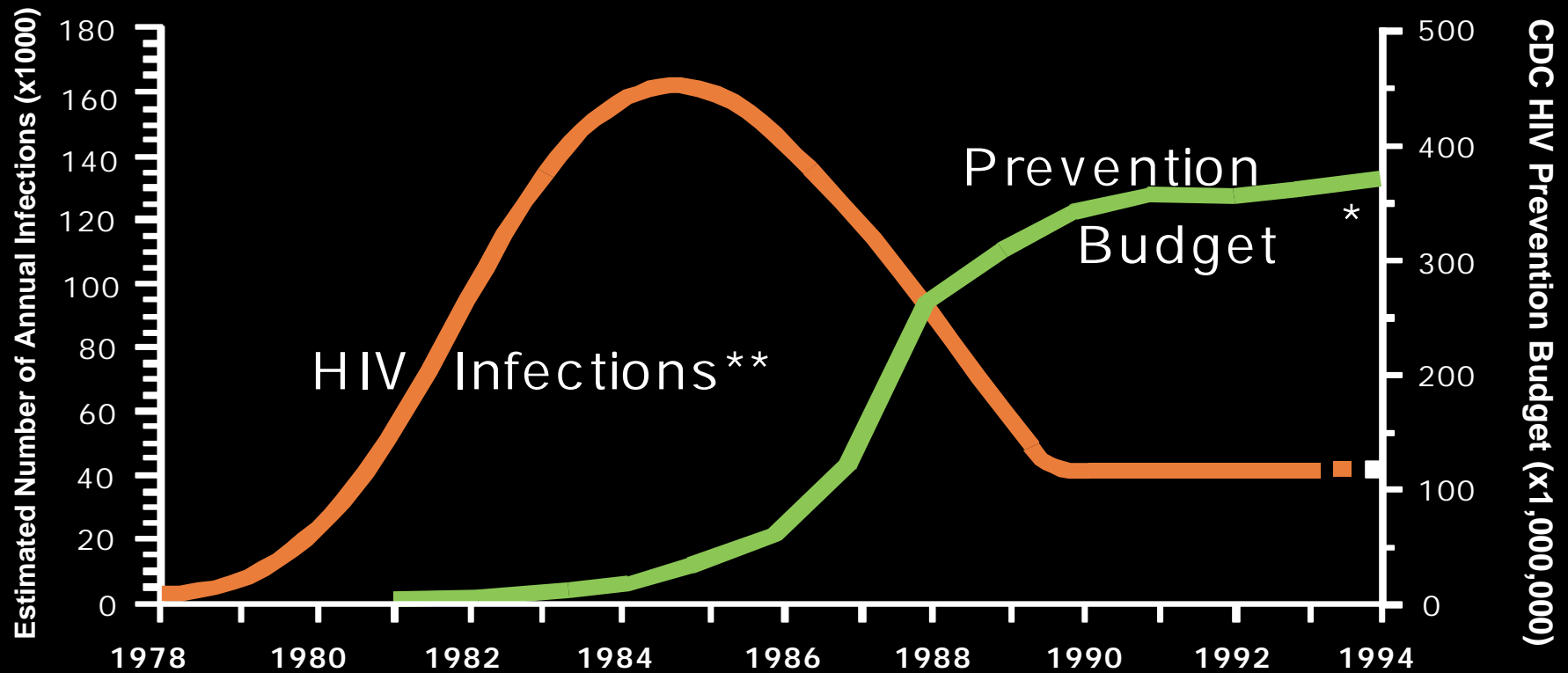
Searching for new prevention tools (microbicides/vaccine)

Making sure they work together, not against each other

Federal AIDS Funding



National Investment in HIV Prevention and Number of New Infections Annually



* adjusted for inflation

** Brookmeyer back calculation