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Bulletin No. 24
September 6, 1991

AIDS FACTS

AFRICA

50 million people infected with HIV by 1993
1/3 of population 15-50 years old is infected with HIV

Deaths from AIDS:

- 1993 – 3 million
- 1998 – 15 million
- Uganda 20% of population 15-50 years

HIV PREVALENCE

ORTHOPEDIC SURGEONS – 1991

- 3400 / 7000 Conference attendees participated in anonymous HIV testing
- 2 / 3400 HIV ⊕ with non-occupational risk factors
- 0 / 3400 HIV ⊕ with occupational exposure

NEEDLESTICKS and HIV

100,000 Reported needlesticks per year
14 Prospective Studies:

- >3000 HIV ⊕ needlesticks
- 6 HIV seroconversions

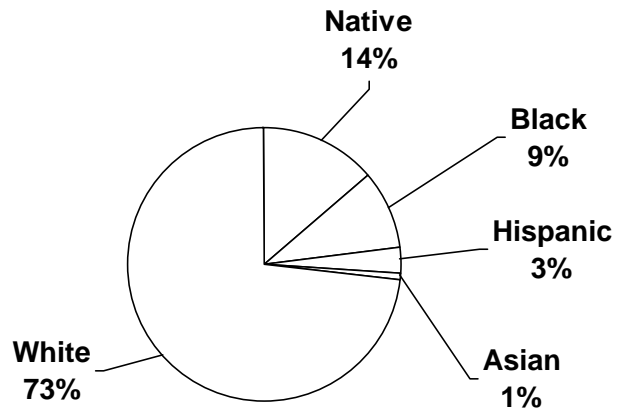
Risk Factors for HIV infection after needlestick

- I.M. injection
- Hollow needle
- Patient viremic with advanced AIDS

BULLETIN CORRECTION

Bulletin No. 19 dated July 30, 1991, "AIDS – Alaska," contained an error in the graph presenting data on Race of Cases. Percentages of Native and Hispanic cases should read 14% and 3%, respectively. The corrected graph follows:

Race of AIDS Cases
N = 116



MUCOUS MEMBRANE EXPOSURES and HIV – Prospective Studies

>2500 HIV ⊕ mucous membrane exposures
0 HIV seroconversions

HEPATITIS B VIRUS

HIV

| | | |
|--------------------------------|-----------------------------------|-----------------------------------|
| Exposure | Preventable | Preventable |
| Infection after exposure | Preventable | (?) |
| Prevalence | Increasing | Increasing |
| Virus Titer/ml blood | 10 ⁶ – 10 ⁹ | 10 ¹ – 10 ³ |
| Risk Per Infected Needlestick | 10 – 35% | <1% |
| Case-Fatality Rate | <1% | >90% |
| Health Care Worker Deaths/Year | 200 – 300 | 0 – 5 (?) |

