

HIV and AIDS

AIDS and HIV Discovery

- AIDS = Acquired Immunodeficiency Syndrome
- First recognized in 1981

Conditions	Populations
<ul style="list-style-type: none">• PCP* and other opportunistic infections• Kaposi's sarcoma	<ul style="list-style-type: none">• Homosexual men in U.S. and Sweden• IV drug users• Hemophiliacs (blood transfusions)• Heterosexuals in Tanzania and Haiti

- Human Immunodeficiency Virus (HIV) described in 1984 as causative agent

**Pneumocystis carinii* pneumonia

Origins of HIV

- Similar viruses identified in many other non-human primates
 - SIV = Simian Immunodeficiency Virus
 - SIV found in many species of non-human primates
- Comparing sequences between the viruses can reveal evolutionary relationships
- Molecular phylogenetic evidence indicates that HIV is derived from SIV