

HIV / AIDS



By

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What is HIV / AIDS?



- ⌘ human immunodeficiency virus
- ⌘ acquired immunodeficiency syndrome

Transmission



- ❧ HIV is transmitted through certain bodily fluids
 - ❧ Blood
 - ❧ Semen
 - ❧ Vaginal fluid
 - ❧ Breast milk
- ❧ HIV is also found in saliva
- ❧ HIV can be spread at any stage of the disease
(*"Aidsinfo: offering information," 2011*)

Symptoms



Early

- ☞ Fever

- ☞ Headache

- ☞ Tiredness

- ☞ Enlarged lymph nodes in neck and groin

Late

- ☞ Rapid weight loss

- ☞ Recurring fever and profuse night sweats

- ☞ Extreme and unexplained tiredness

Symptoms Continued



❧ Late Continued

- ❧ Prolonged swelling of lymph nodes in the armpit, neck, and groin
- ❧ Diarrhea that lasts for more than a week
- ❧ Sores of the mouth, anus, or genitals
- ❧ Pneumonia
- ❧ Red, brown, or purplish blotches under skin and inside mouth, nose, and eyelids
- ❧ Depression, memory loss, and other neurological disorders

(National Institutes of Health, 2009)

History of HIV / AIDS



- ❧ 1884-1924 HIV transferred to humans in Africa
- ❧ 1966 Enters Haiti
- ❧ 1970 Enters the United States
- ❧ 1981 First cases were among homosexual men and injecting drug users
 - ❧ Led to incorrect categorization of the disease
- ❧ 1982 The name “AIDS” is created
- ❧ 1983 AIDS reported in women and children
- ❧ 1983 AIDS is contagious!!! REALLY!!!

History Continued



- ❧ 1983 1,000 people have died from AIDS
- ❧ 1984 Scientists link HIV as the cause of AIDS
- ❧ 1985 required screening for blood supplies
- ❧ 1985 AIDS has been seen in all regions of the world
- ❧ 1986 Uganda begins education on sexual behavior change in response to epidemic
- ❧ 1987 AZT is approved from treating AIDS
- ❧ 1988 America conducts a national AIDS education campaign

History Continued



- ❧ 1990 8 million people living with HIV worldwide
- ❧ 1993 AZT shows no benefit for people in the early stages
- ❧ 1994 AZT reduces mother-to-child transmission
 - ❧ Infant HIV infections decrease in developed countries
- ❧ 1996 antiretroviral treatment is highly effective
 - ❧ \$300 million-annual money spent on AIDS in low-middle income countries
- ❧ 1997 22 million people are living with HIV worldwide

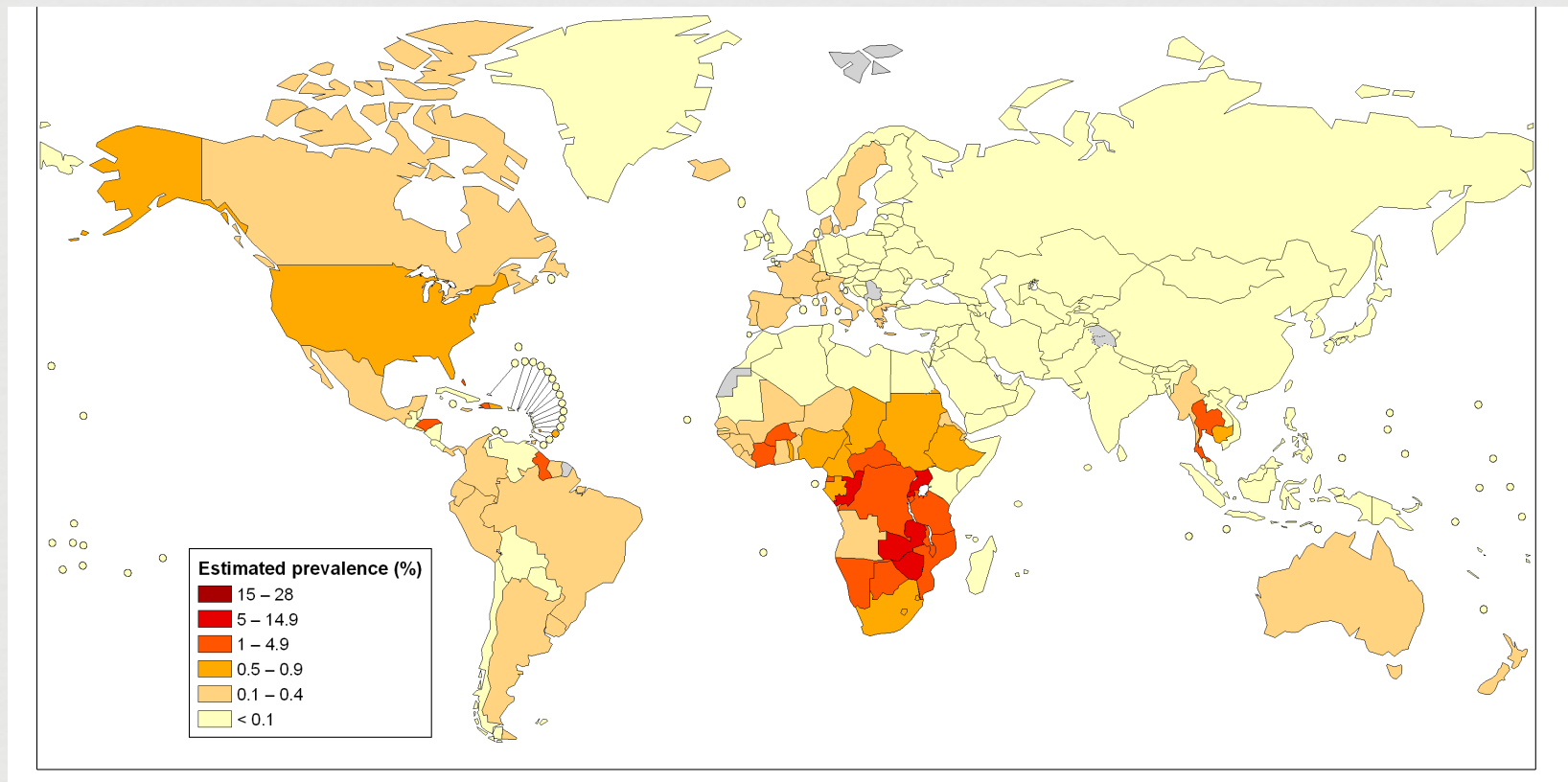
History Continued



- ❧ 2003 1st HIV vaccine is found to be ineffective
- ❧ 2006 Circumcision found to reduce infection among heterosexual men
 - ❧ Annual spending now at \$8.9 billion
- ❧ 2007 33 million people are living with HIV
 - ❧ Another vaccine found ineffective

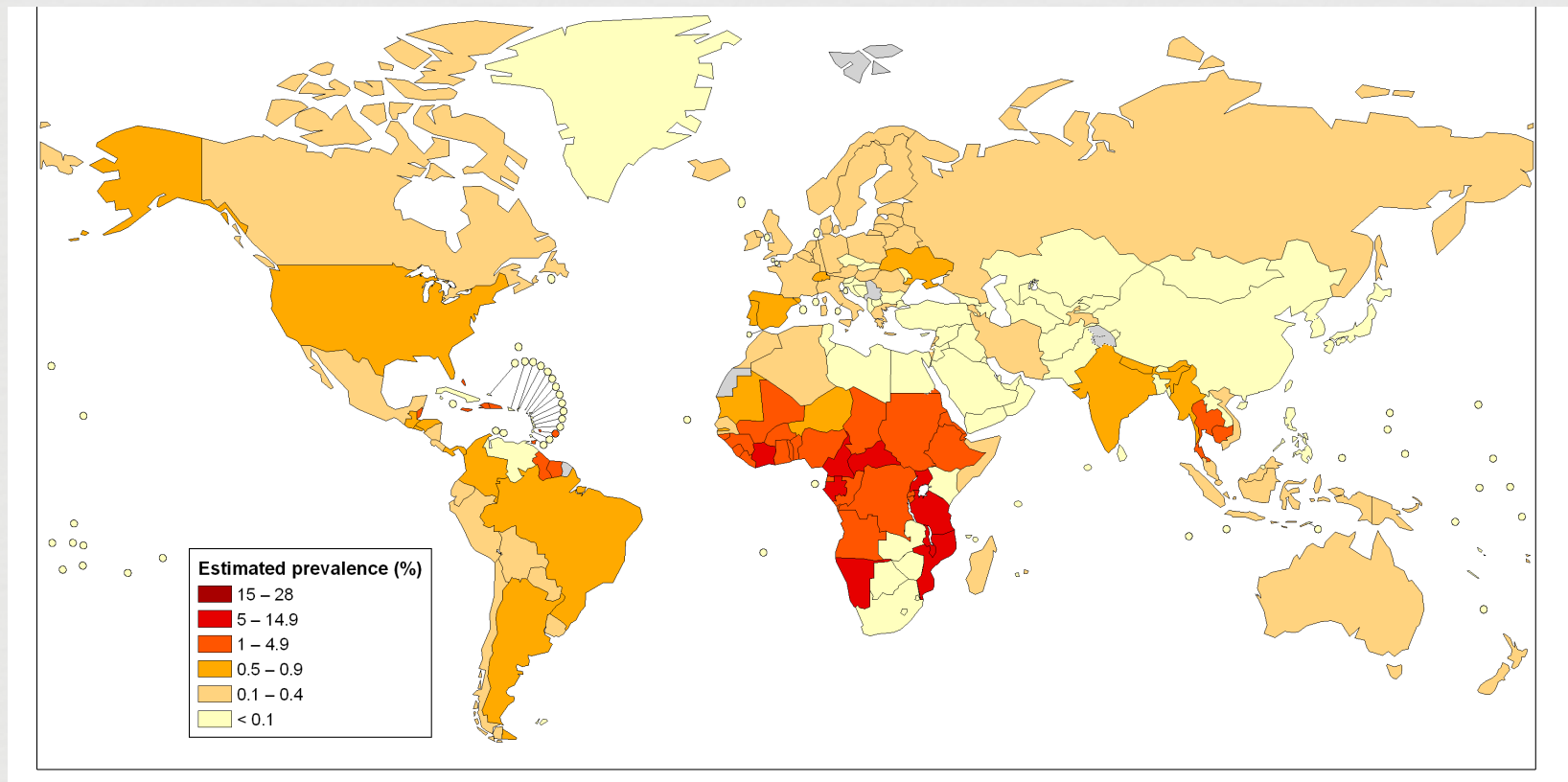
(Drummond, 2011)

HIV Estimated Prevalence in 15-49 Year Olds (1990)



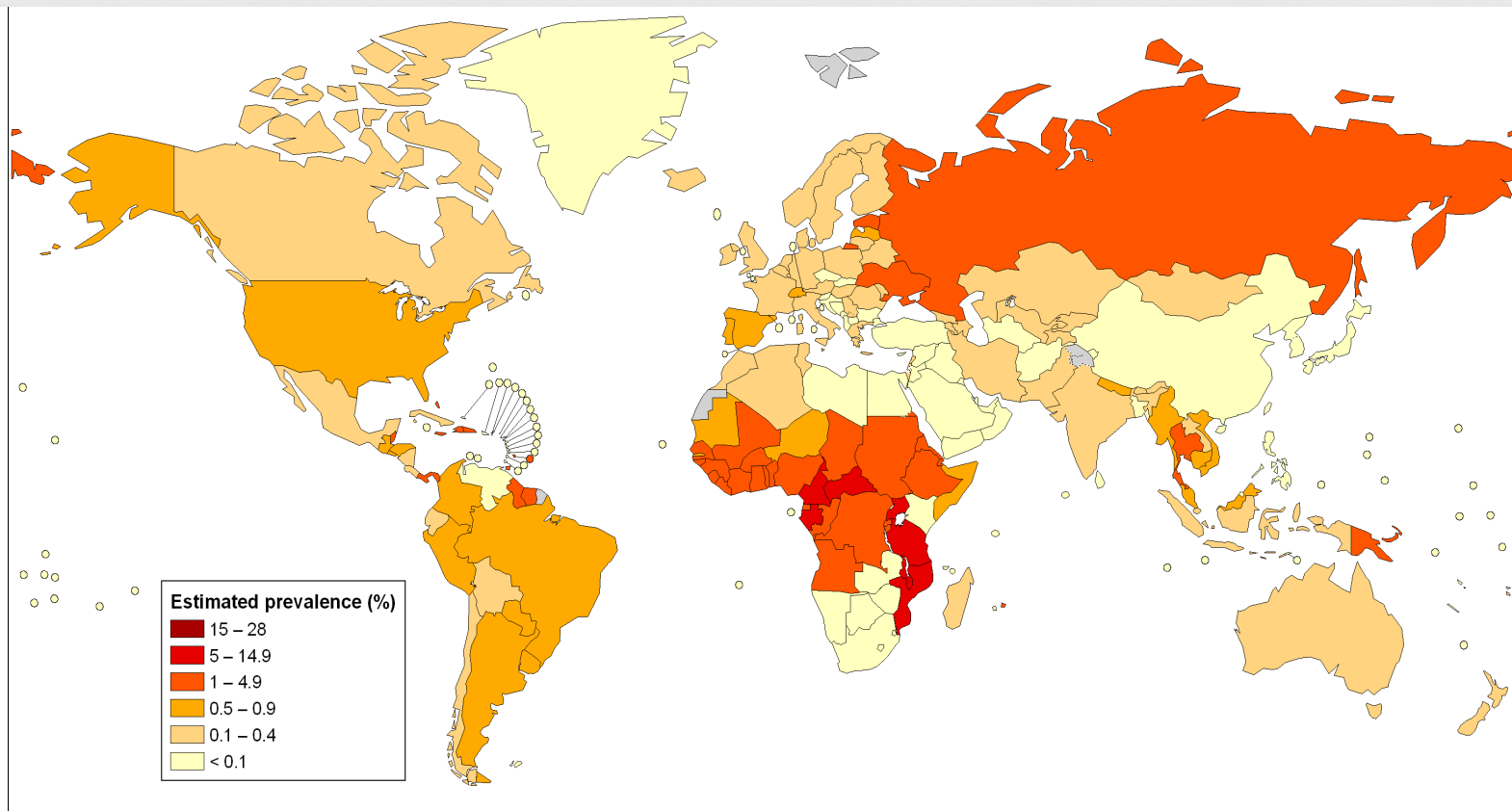
("World health organization," 2012)

HIV Estimated Prevalence in 15-49 Year Olds (2000)



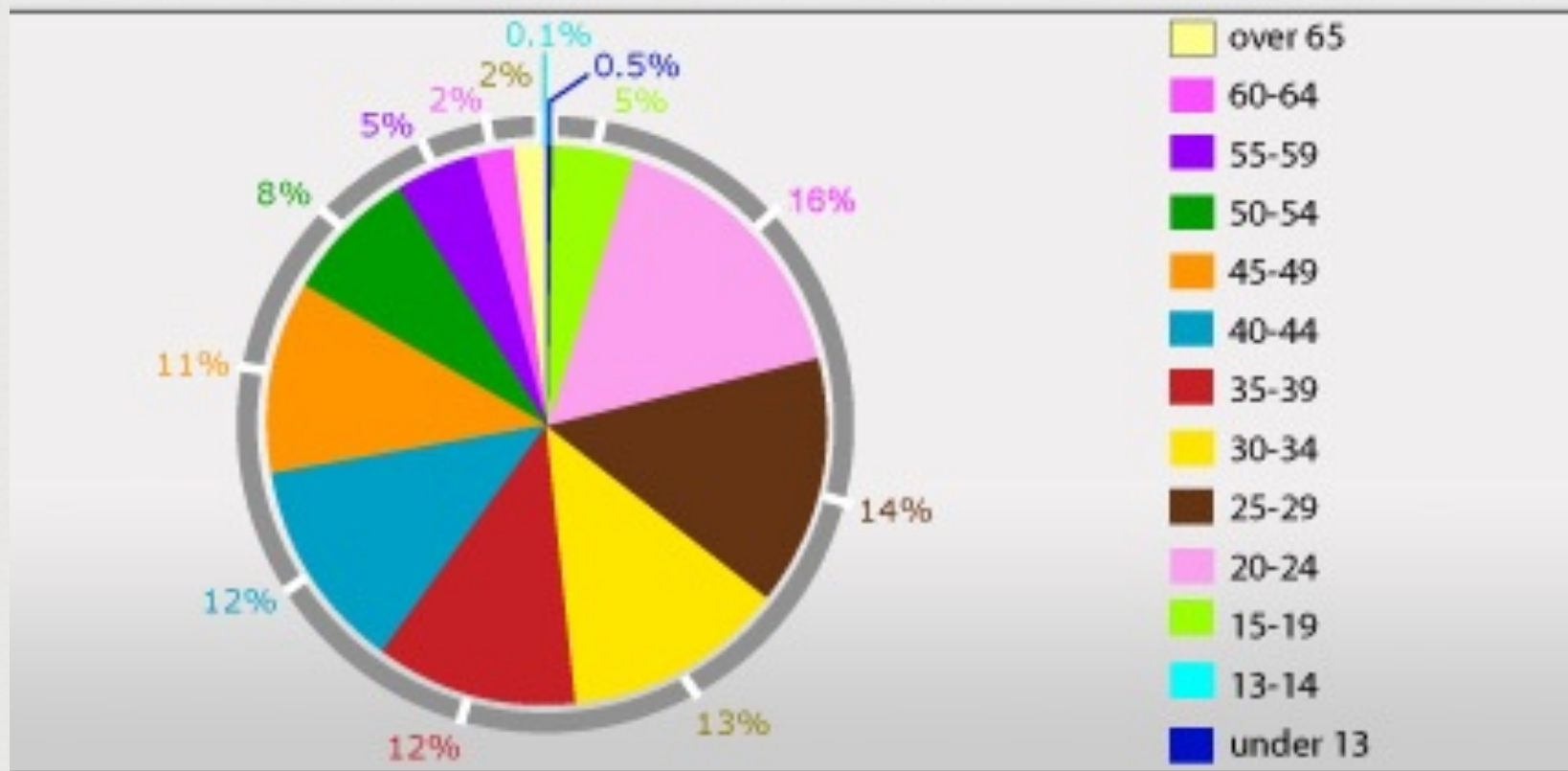
("World health organization," 2012)

HIV Estimated Prevalence in 15-49 Year Olds (2007)



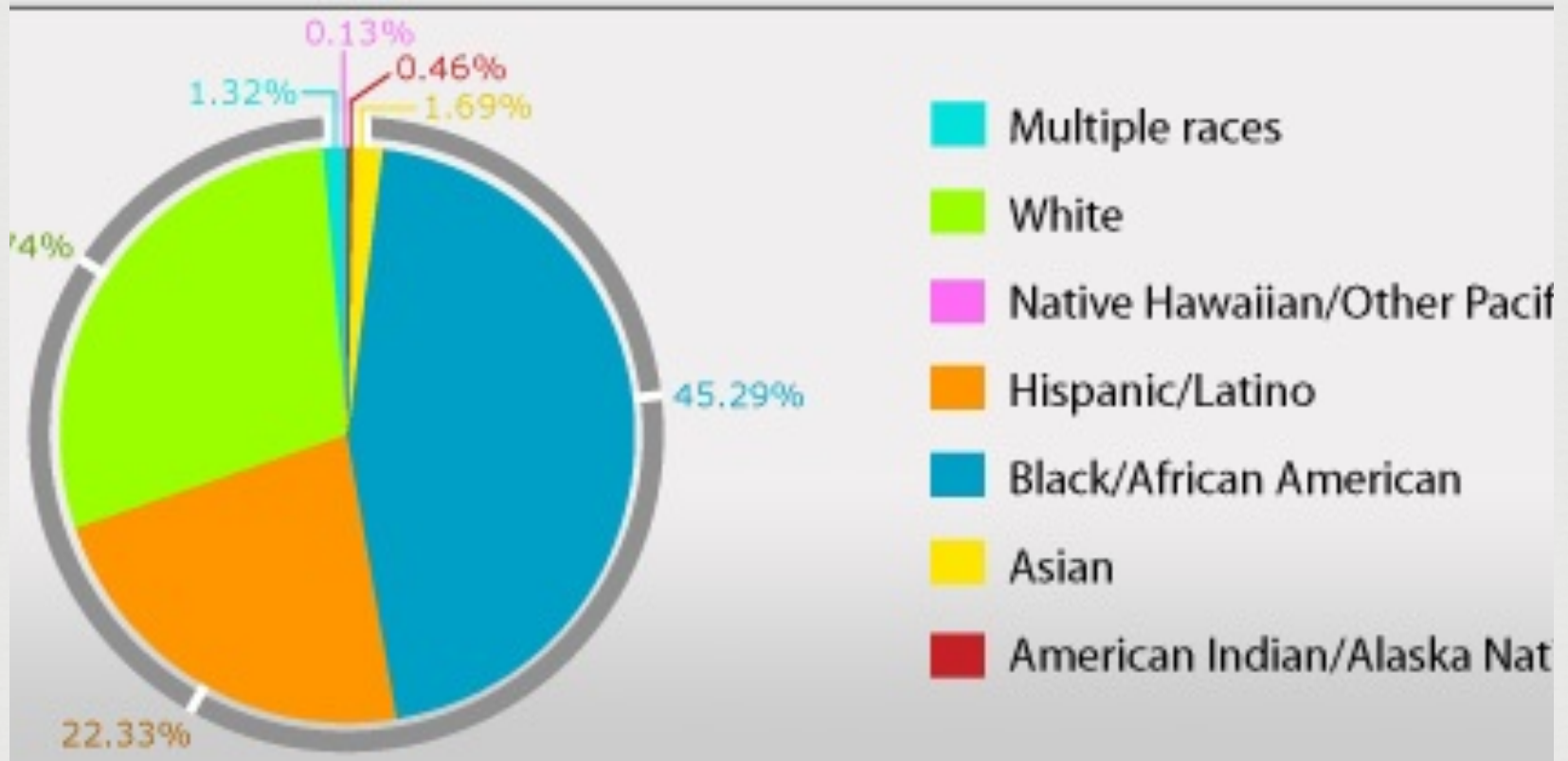
("World health organization," 2012)

Age Distribution Across the US



("United states of," 2009)

Distribution Across Races in the US



("United states of," 2009)

Key Indicators for the HIV Epidemic

	2002	2003	2004	2005	2006	2007	2008	2009	2010
# living with HIV (in millions)	29.5	30.2	30.7	31.0	31.4	31.8	32.3	32.9	34.0
Newly infected (in millions)	3.1	3.0	2.9	2.8	2.8	2.7	2.7	2.7	2.7
AIDs-related deaths (in millions)	2.0	2.1	2.2	2.2	2.2	2.1	2.0	1.9	1.8
% pregnant women tested for HIV				8	13	15	21	26	35
# facilities providing antiretroviral therapy (in thousands)						7.7	12.4	18.6	22.4
# receiving treatment (in thousands)	300	400	700	1330	2034	2970	4353	5255	6650
# of children (in thousands)				71.5	125.7	196.7	275.4	354.6	456
Coverage of antiretroviral medications preventing mother-to-child transmission (%)			9	14	23	33	43	48	48

(World Health Organization, UNAIDS & unicef, 2011)

Bibliography



- ❧ *United States of America HIV* . (2009, June 11). Retrieved from <http://www.avert.org/usa-statistics.htm>
- ❧ *World Health Organization*. (2012). Retrieved from http://www.who.int/gho/map_gallery/en/
- ❧ Drummond, K. (2011, March 08). *Avert*. Retrieved from <http://www.avert.org/aids-timeline.htm>
- ❧ National Institutes of Health. (2009, April). *Department of health and human services*. Retrieved from <http://www.niaid.nih.gov/topics/HIVAIDS/Understanding/Pages/symptoms.aspx>



- ❧ *Aidsinfo: Offering Information on HIV/AIDS Treatment, Prevention, and Research.* (2011, August 11). Retrieved from <http://www.aidsinfo.nih.gov/guidelines>
- ❧ World Health Organization. , UNAIDS, , & unicef, (2011). *Global HIV / AIDS response. Epidemic Update and Health Sector Progress Towards Universal Access*