

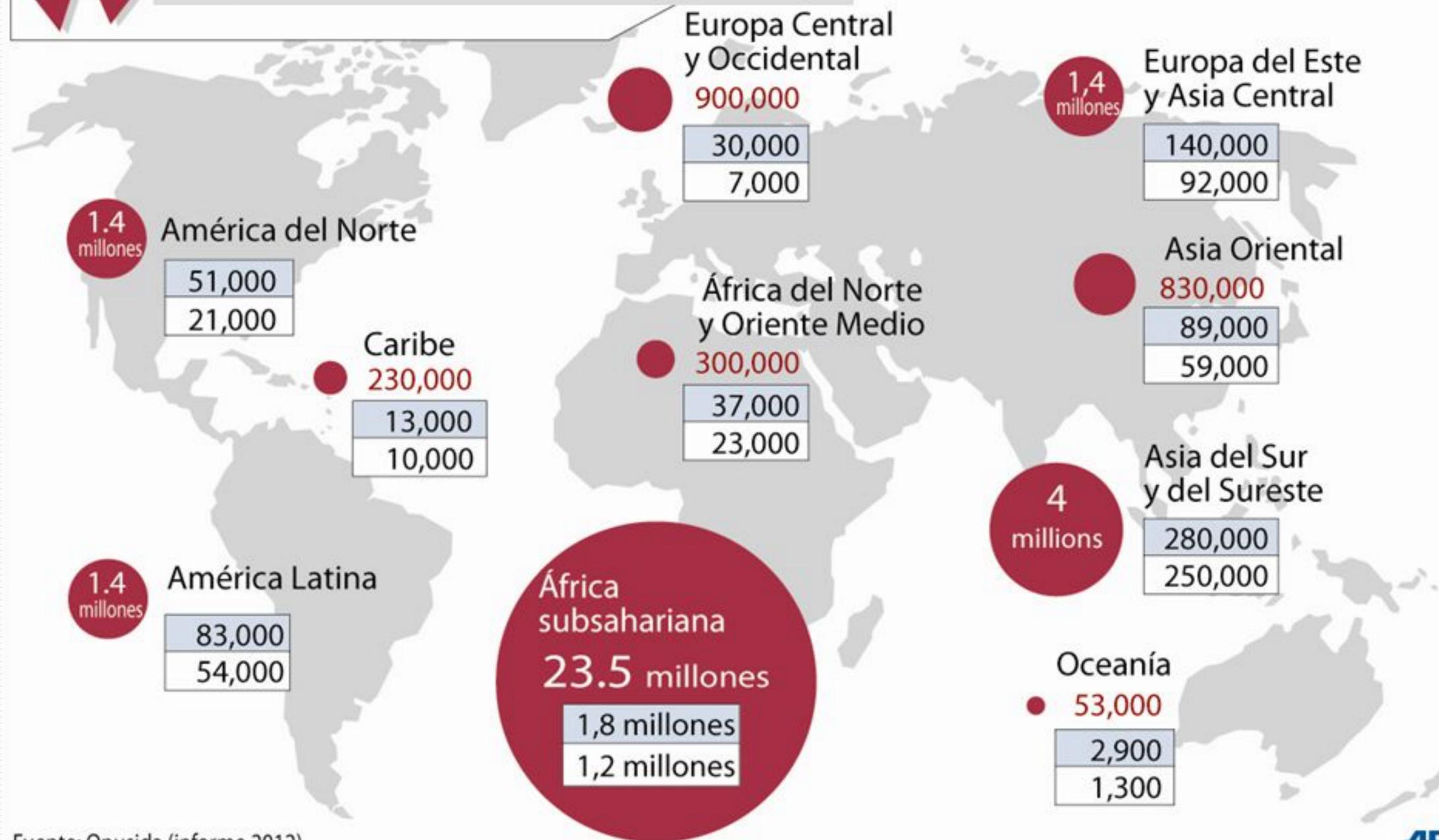
HIV/ AIDS

El virus del SIDA en el mundo en 2011



- 34 millones de personas infectadas
- 60 millones de infectadas desde el principio de la epidemia
- 2,5 millones de nuevas infecciones

- Personas portadoras de virus
- xxx Nuevas infecciones
- xxx Muertes provocadas por el sida



Fuente: Onusida (informe 2012)

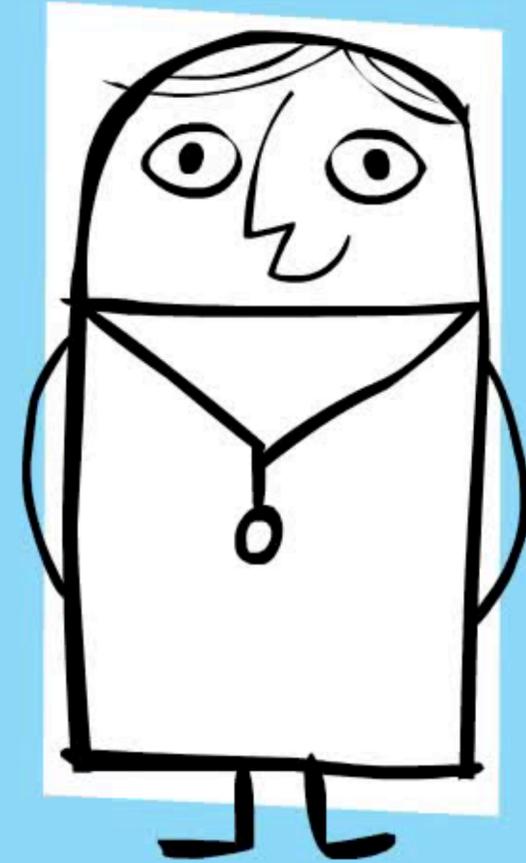
AIDS by the numbers

	New infections (children)	New HIV infections (millions)	AIDS related deaths (millions)	People accessing treatment (millions)
2001	550 000	3.4		
2002	560 000	3.3		
2003	560 000	3.1		
2004	550 000	3.0	2.3	
2005	540 000	2.9	2.3	1.3
2006	520 000	2.8	2.3	2.0
2007	480 000	2.7	2.2	2.9
2008	450 000	2.6	2.1	4.1
2009	400 000	2.6	2.0	5.3
2010	360 000	2.5	1.9	6.6
2011	310 000	2.5	1.8	8.1
2012	260 000	2.3	1.6	9.7

HIV Explained Simply



How HIV is Transmitted



Stages of Infection

1 ACUTE INFECTION:

During this time, large amounts of the virus are being produced in your body.

Many, but not all, people develop flu-like symptoms often described as the "worst flu ever."

2 CLINICAL LATENCY:

During this stage of the disease, HIV reproduces at very low levels, although it is still active.

During this period, you may not have symptoms. With proper HIV treatment, people may live with clinical latency for several decades. Without treatment, this period lasts an average of 10 years, but some people may progress through this stage faster.

3 AIDS:

As your CD4 cells fall below 200 cells/mm³, you are considered to have progressed to AIDS.

Without treatment, people typically survive 3 years.

Stages of Infection

Within 2-4 weeks after HIV infection, many, but not all, people develop flu-like symptoms, often described as “the worst flu ever.”

Symptoms can include fever, swollen glands, sore throat, rash, muscle and joint aches and pains, fatigue, and headache.

You are at particularly high risk of transmitting HIV to your sexual or drug using partners during this stage because the levels of HIV in your blood stream are very high.

1 ACUTE INFECTION:

During this time, large amounts of the virus are being produced in your body.

Many, but not all, people develop flu-like symptoms often described as the “worst flu ever.”

Stages of Infection

“Latency” means a period where a virus is living or developing in a person without producing symptoms. During the clinical latency stage, people who are infected with HIV experience no HIV-related symptoms, or only mild ones.

The HIV virus continues to reproduce at very low levels, although it is still active. If you take ART, you may live with clinical latency for several decades because treatment helps keep the virus in check.

For people who are not on ART, the clinical latency stage lasts an average of 10 years, but some people may progress through this stage faster.

People in this symptom-free stage are still able to transmit HIV to others, even if they are on ART, although ART greatly reduces the risk of transmission.

2 CLINICAL LATENCY:

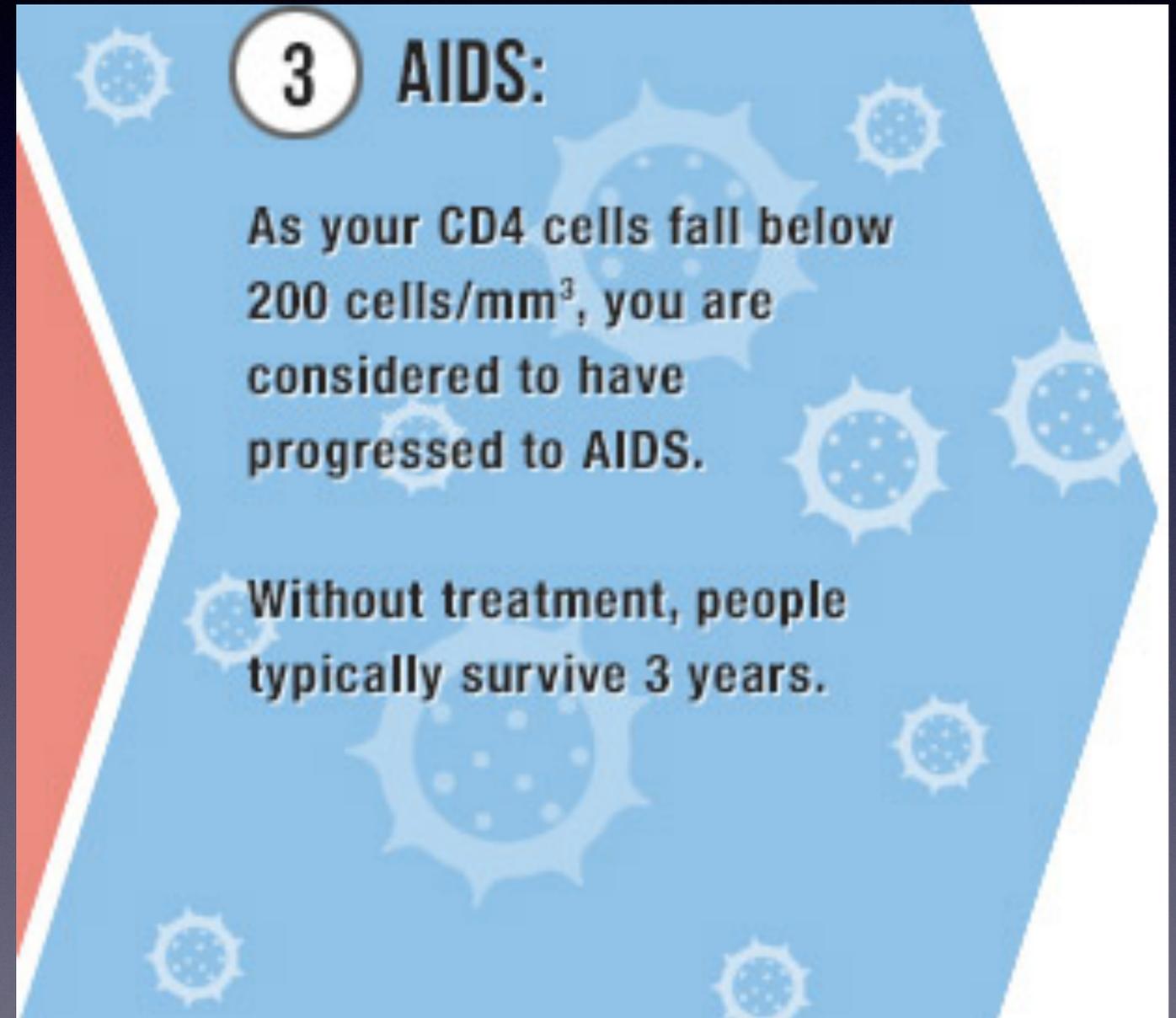
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Stages of Infection

Occurs when your immune system is badly damaged and you become vulnerable to infections and infection-related cancers called opportunistic infections.

When the number of your CD4 cells falls below 200 cells per cubic millimeter of blood (200 cells/mm³), you are considered to have progressed to AIDS. (In someone with a healthy immune system, CD4 counts are between 500 and 1,600 cells/mm³.)

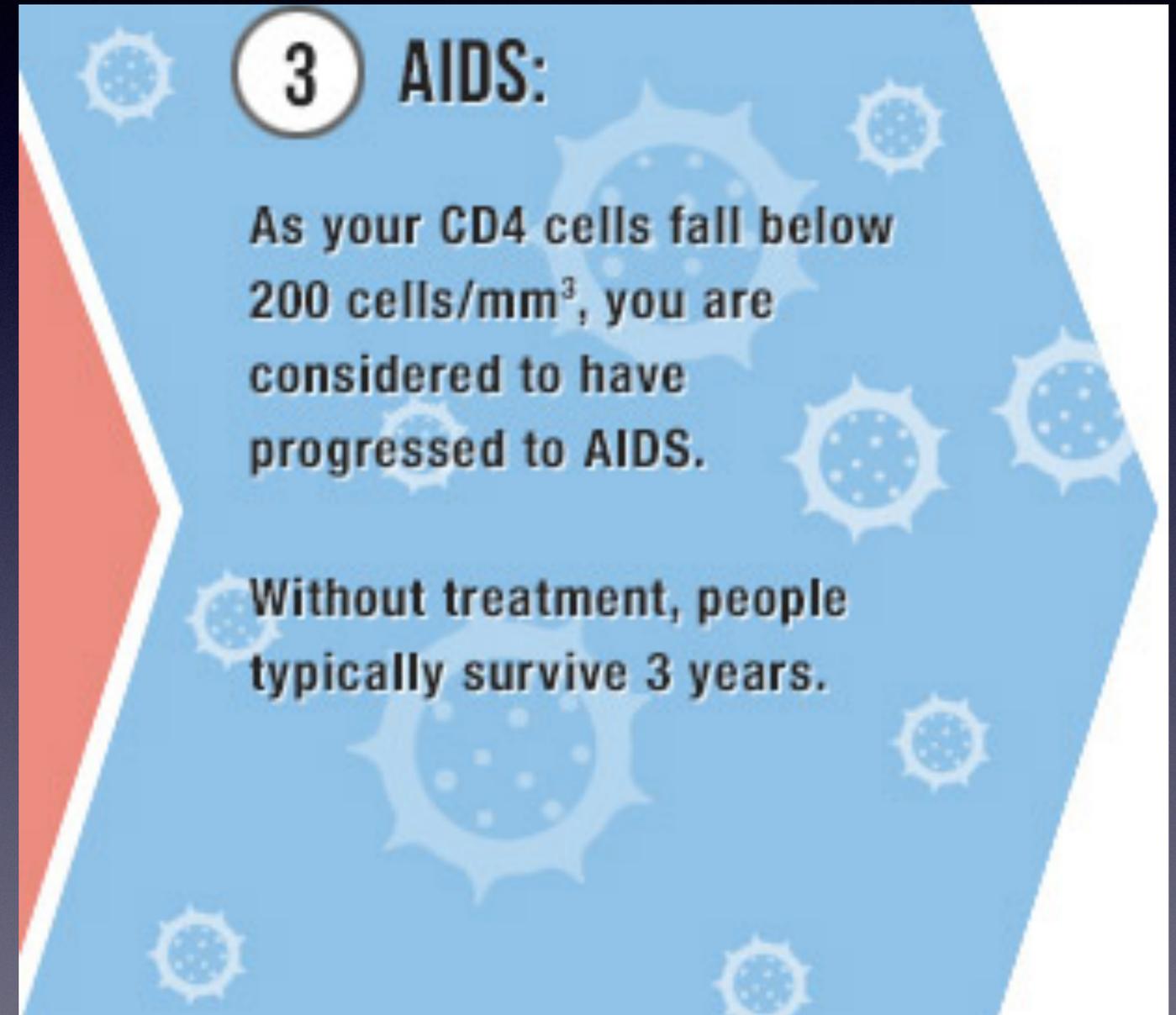


Stages of Infection

You are also considered to have progressed to AIDS if you develop one or more opportunistic illnesses, regardless of your CD4 count.

Without treatment, people who progress to AIDS typically survive about 3 years. Once you have a dangerous opportunistic illness, life-expectancy without treatment falls to about 1 year.

However, if you are taking ART and maintain a low viral load, then you may enjoy a near normal life span. You will most likely never progress to AIDS.



Opportunistic Infections



PEOPLE WITH HEALTHY IMMUNE SYSTEMS CAN BE EXPOSED TO CERTAIN VIRUSES AND HAVE NO REACTION TO THEM,



ANTIRETROVIRAL THERAPY CAN HELP BY INCREASING YOUR NUMBER OF CD4 CELLS, WHICH WILL HELP PROTECT YOU FROM OIS



BUT PEOPLE LIVING WITH HIV CAN FACE SERIOUS THREATS FROM OPPORTUNISTIC INFECTIONS.

These infections are called “OPPORTUNISTIC” because **they take advantage of your weakened immune system,** and they can cause devastating illnesses.

YOU MAY ALSO TAKE MEDICATIONS USED TO PREVENT DISEASE FROM OCCURRING. (PROPHYLAXIS)



CD4 Count & Opportunistic Infections

Greater than 500 cells/mm³
Are not at risk of OI

500 to 200 cells

Candidiasis (Thrush)

Kaposi's Sarcoma (KS)

KS is caused by Human Herpes
Virus-8.



CD4 Count & Opportunistic Infections

SYMPTOMS

- Oral Thrush Symptoms include:
 - White patches on gums, tongue or lining of the mouth
 - Pain in the mouth or throat
 - Difficulty Swallowing
 - Loss of Appetite
- Vaginal Thrush Symptoms Include:
 - Vaginal Irritation
 - Itching
 - Burning
 - Thick, white discharge
- Signs and Symptoms of KS can include:
 - Appearance of a purplish lesion on skin
 - Appearance of a purplish lesion in the mouth
 - Occasionally gastrointestinal complaints



	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
People living with HIV	29.8 million [28.1-31.9 million]	30.7 million [29.0-32.7 million]	31.4 million [29.7-33.3 million]	31.8 million [30.2-33.7 million]	32.1 million [30.5-34.0 million]	32.4 million [30.8-34.3 million]	32.7 million [31.2-34.6 million]	33.1 million [31.5-34.9 million]	33.4 million [31.8-35.2 million]	33.8 million [32.2-35.6 million]	34.2 million [32.5-36.2 million]	34.6 million [32.8-36.6 million]	35.0 million [33.2-37.2 million]
New HIV Infections (Total)	3.4 million [3.3-3.6 million]	3.3 million [3.1-3.5 million]	3.1 million [3.0-3.3 million]	3.0 million [2.8-3.2 million]	2.9 million [2.7-3.1 million]	2.8 million [2.6-3.0 million]	2.7 million [2.5-2.9 million]	2.6 million [2.4-2.8 million]	2.5 million [2.3-2.7 million]	2.5 million [2.3-2.7 million]	2.4 million [2.2-2.6 million]	2.2 million [2.0-2.5 million]	2.1 million [1.9-2.4 million]
New HIV infections (adults)	2.9 million [2.7-3.0 million]	2.7 million [2.5-2.9 million]	2.6 million [2.4-2.7 million]	2.4 million [2.3-2.6 million]	2.3 million [2.2-2.5 million]	2.2 million [2.1-2.4 million]	2.2 million [2.1-2.4 million]	2.2 million [2.0-2.3 million]	2.1 million [1.9-2.3 million]	2.1 million [1.9-2.3 million]	2.1 million [1.9-2.3 million]	2.0 million [1.8-2.2 million]	1.9 million [1.7-2.1 million]
New infections (children)	580 000 [530 000–640 000]	580 000 [540 000–640 000]	580 000 [540 000–630 000]	570 000 [520 000–620 000]	550 000 [510 000–600 000]	520 000 [480 000–580 000]	490 000 [450 000–540 000]	460 000 [420 000–510 000]	400 000 [370 000–450 000]	360 000 [330 000–400 000]	330 000 [290 000–370 000]	270 000 [240 000–310 000]	240 000 [210 000–280 000]
AIDS-related deaths	2.0 million [1.8-2.2 million]	2.1 million [2.0-2.4 million]	2.3 million [2.1-2.5 million]	2.4 million [2.2-2.6 million]	2.4 million [2.2-2.6 million]	2.3 million [2.1-2.5 million]	2.2 million [2.0-2.4 million]	2.1 million [1.9-2.3 million]	2.0 million [1.8-2.1 million]	1.9 million [1.8-2.1 million]	1.8 million [1.7–2.0 million]	1.7 million [1.5-1.8 million]	1.5 million [1.4-1.7 million]
People accessing treatment									5.2 million	7.4 million	9.0 million	10.6 million	12.9 million
Resources		US\$ 3.8 billion	US\$ 4.6 billion	US\$ 5.7 billion	US\$ 7.4 billion	US\$ 8.8 billion	US\$ 10.5 billion	US\$ 14.6 billion	US\$ 15.5 billion	US\$ 15.6 billion	US\$ 17.1 billion	US\$ 18.9 billion	US\$19.1 billion

12 populations being left behind



I am a person living with HIV.

Worldwide, 19 million of the 35 million people living with HIV today do not know that they have the virus.



I am a young woman.

76% of adolescent girls in sub-Saharan Africa do not have comprehensive and correct knowledge about HIV.



I am a prisoner.

HIV prevalence among prisoners in some settings is 50 times higher than among the general population.



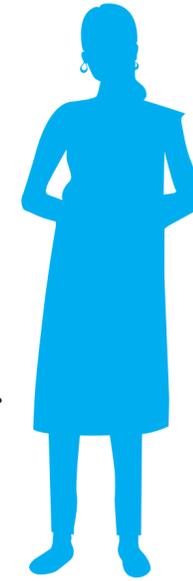
I am a migrant.

Around the world, 39 countries have an HIV-related travel restriction.



I am an injecting drug user.

Only 55 of 192 countries offer a needle-syringe programme.



I am a sex worker.

HIV prevalence among sex workers is 12 times greater than among the general population.



I am a man who has sex with other men.

Same-sex sexual conduct is criminalized in 78 countries.



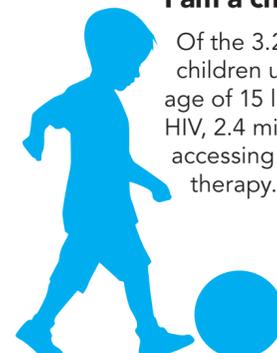
I am a transgender woman.

Transgender women are 49 times more likely to acquire HIV than all adults of reproductive age.



I am a pregnant woman.

Only 44% of pregnant women in low- and middle-income countries received HIV testing and counselling in 2013.



I am a child.

Of the 3.2 million children under the age of 15 living with HIV, 2.4 million are not accessing antiretroviral therapy.



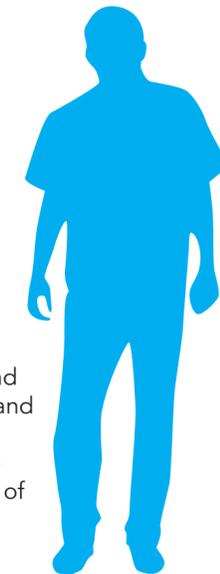
I am a displaced person.

At the end of 2013, there were 51.2 million people forcibly displaced worldwide.



I am a person living with a disability.

23% of men with a disability do not return to seek health care because they were treated badly at a previous visit.



I am 50+.

The life expectancy of people aged 50 and older living with HIV and accessing treatment is the same as the life expectancy of others of the same age.

World Wide

- 42 million living with HIV/AIDS
- 22 Million have died
- 14,000 new infections per day
- 25 million AIDS orphans

In US

- 1 million currently living with HIV
- 40,000 new infections each year
- 1/2 of new infections in 25 years or younger

Maine

- 2005 - 1,600 known cases of HIV/AIDS in Maine
 - 1/3 of people who have it don't know (not included in above number)
- 563 cases in Portland
- 78% of new cases are aged 30 and under
- 70% new infections in Men, 30% in women
- 75% of infections in women from heterosexual sex