

# Warm UP

- WOOOOO SPRING BREAK IS OVER!!! FINALLY!
- 15 minutes to get organized with your project (due Thurs)
- REMINDER: I need a physical copy of recipe if you are bringing food
- This project better be awesome. There will be a rubric, which is how you know I mean business.
- I will be available BEFORE school tomorrow and Thursday if you need time/assistance.
- HEY MS. CLOSE, remember to look at calendar.

# DISEASE IN AFRICA

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AIDS, Ebola, & other pandemics

## Words to know:

**Epidemic:** Outbreak of an infectious disease in a community at a particular time.

Ex: Yellow fever in Philadelphia

**Pandemic:** Outbreak of infectious disease that has spread through human populations across a large region.

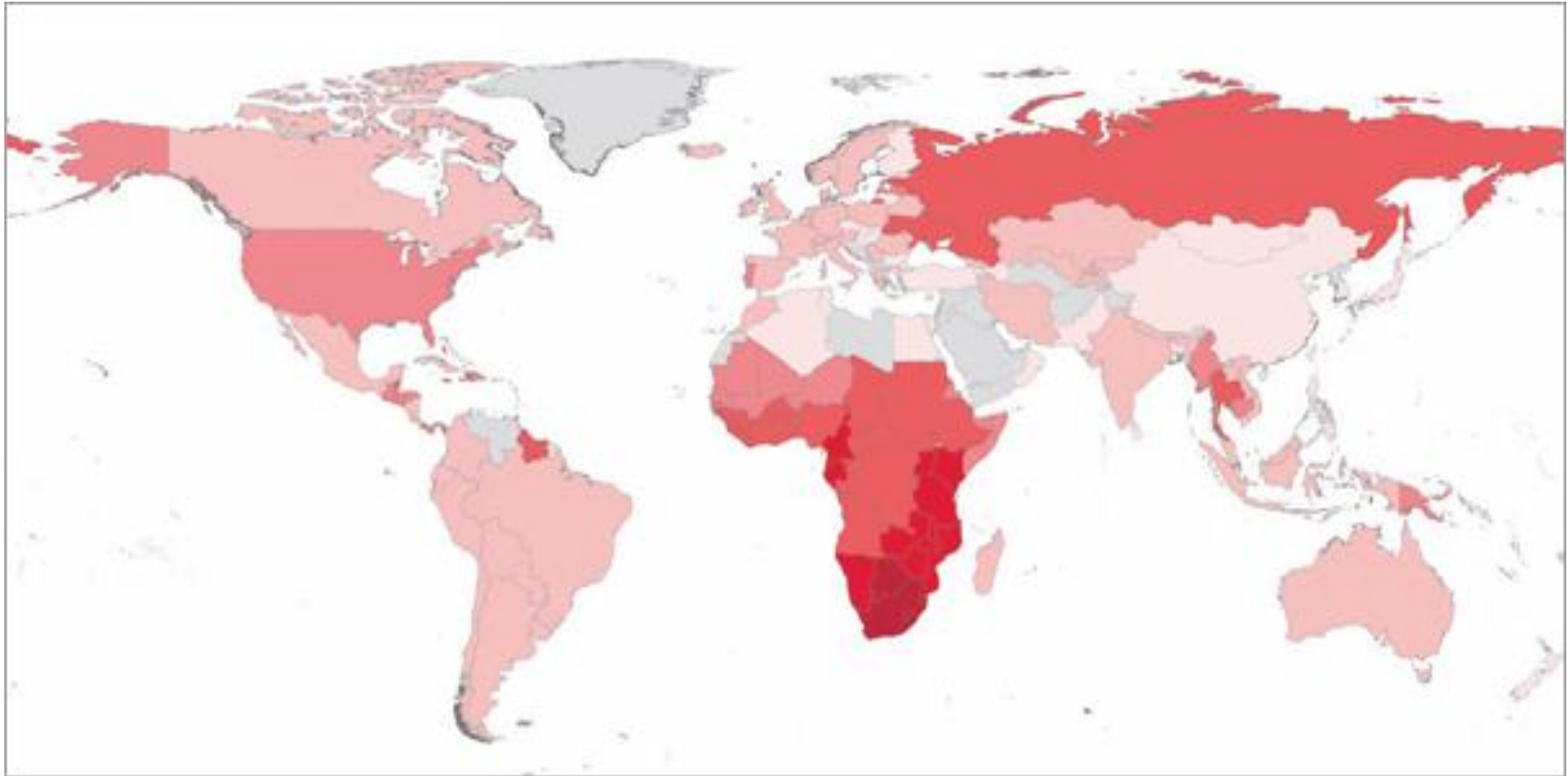
Ex: Ebola in countries of West Africa

HIV/AIDS- Epidemic or Pandemic?

# Diseases

- **HIV/AIDS = Human immunodeficiency virus infection and acquired immune deficiency syndrome.**
  - HIV is transmitted primarily via unprotected sexual contact, contaminated blood transfusions, hypodermic needles, and from mother to child during pregnancy.
  - approximately 35.3 million people are living with HIV globally
  - 1.5 million died in 2013, down from 2.4 million in 2005
  - There is no cure, but treatments exist
  - Who has access to treatment?

# Prevalence of /HIVAIDS worldwide



# THE CHANGING FACE of AIDS

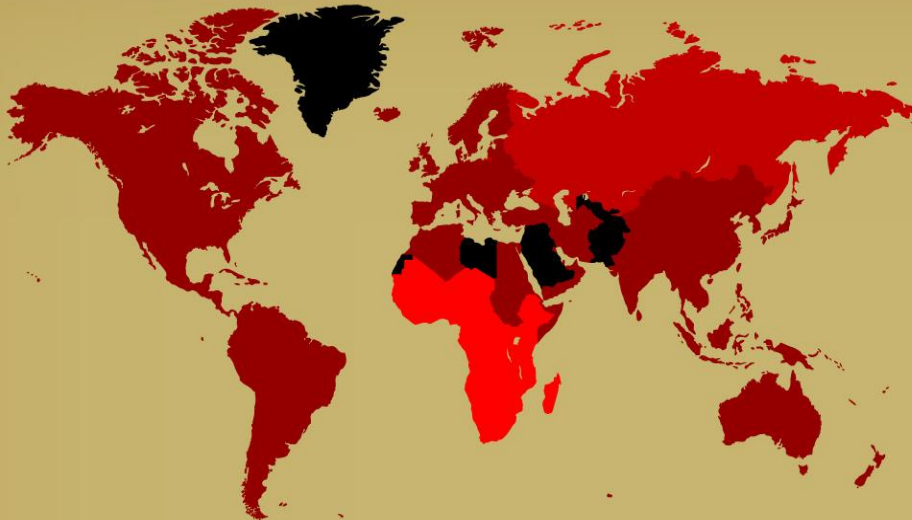


Thirty years ago this year, a rare immune system virus was detected in five young men in Los Angeles. By the following summer, the illness was spreading nationwide and had been given a name: acquired immunodeficiency syndrome, or AIDS. In the ensuing decades, AIDS and the virus that leads to it, HIV, have claimed millions of lives all over the world. Thankfully, with public education and advanced medication, recent trends point to a decline in AIDS-related death rates. But we've still got a long way to go.

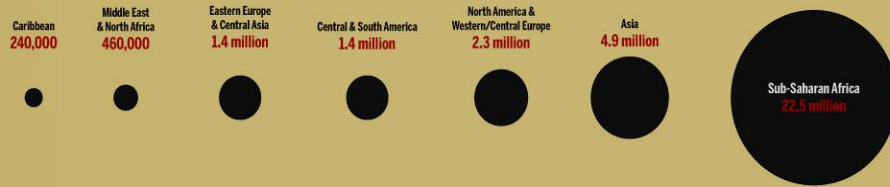
## THE CURRENT STATE OF HIV AND AIDS IN THE WORLD

### AIDS AROUND THE WORLD

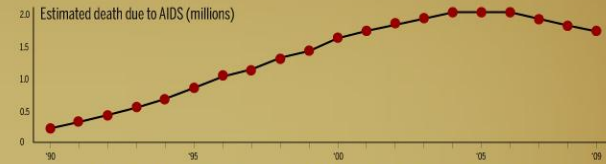
Regional Adult HIV Prevalence (2009) (%) ■ <0.5 ■ 0.5 - 4.0 ■ >4.0 ■ NO DATA



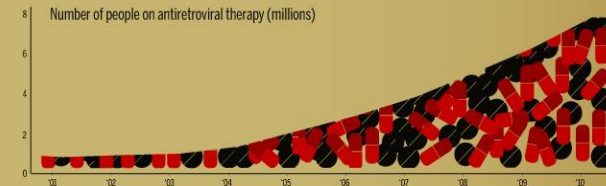
Number of people affected in each region (2009)



### AIDS-RELATED DEATHS ARE DOWN SLIGHTLY

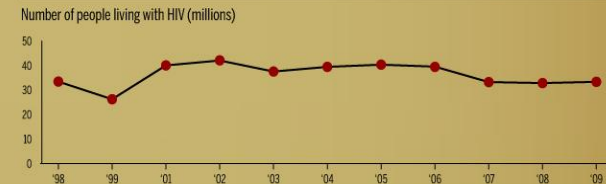


The annual growth of the virus has experienced a steady decline in recent years. Deaths related to AIDS hit a high in 2004 (2.1 million) and have been falling since. In 2009, there were an estimated 1.8 million AIDS-related deaths.



Concurrently, the yearly number of people receiving antiretroviral therapy—drug treatment that aggressively prevents the progression of HIV—has significantly risen especially in low- to middle-income countries.

### INCIDENCE OF PEOPLE LIVING WITH HIV/AIDS STABILIZING



## PUBLIC PERCEPTION IN THE U.S.

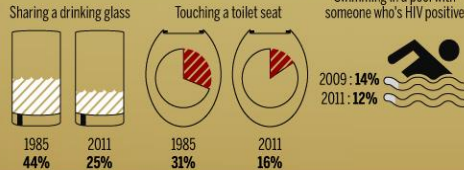
### WORRIES ABOUT AIDS DECLINE

Percent who believe HIV/AIDS is the most urgent health problem



### PUBLIC LEARNING CURVE EVENS OUT

Percent who think, incorrectly, that HIV can be transmitted by:



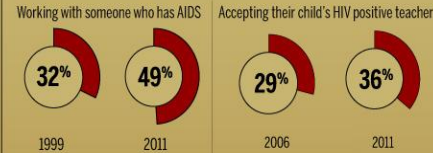
**87%** of people agree that it's possible for people with HIV to lead healthy, productive lives.



**48%** believe that HIV is a manageable disease, like diabetes or high blood pressure.

### COMFORT AROUND HIV POSITIVE PEOPLE UP

Percent who say they'd be "very" comfortable with:



### DISCRIMINATION AGAINST HIV POSITIVE PEOPLE DOWN

"In general, it's people's own fault if they get AIDS" (Percent of respondents who agree)



"I sometimes think that AIDS is a punishment for the decline in moral standards" (Percent of respondents who agree)



## Questions for debate:

- 36% of parents report feeling “very” comfortable with their children having an HIV positive teacher.
  - Would you? Would your parents?**
  - Should public employees like teachers have to declare their HIV status?**
  - Or do people have the right to privacy?**
- 12% of people think you can contract HIV through swimming in a pool (you can't).
  - Would you be comfortable?**

# Why Sub-Saharan Africa?

- How has AIDS spread so rapidly in Sub-Saharan Africa?
- Urbanization
- Lack of education
- Poverty
- Prostitution
- Different gender dynamics and employment
- Rape
- How do we work to prevent it?



# Tour of Africa!

- Grab a rubric from the front of the room, put your **NAME & COUNTRY** on it, and please staple it to your research sheet. Hand this in.
- If you have food, sign it in (up front). Put it on the front table with your recipe!
- Tape up your poster on free wall space or place it on a desk.

# Gallery Walk Instructions:

- You will have 25 minutes to walk around and examine the work of your classmates.
- Get some food! Try to not destroy my room...
- You are **individually** responsible for completing a “Tour of Africa” organizer to contrast and compare your research.
- This time is fun & social, but let’s stay on task.

# Disease: Why Africa?

- Biodiversity of the continent
  - More ecosystems and diverse wildlife than any other continent
  - Changing land use from nomadic to agricultural
- Political instability
  - Contact with colonial powers, trading and travel
  - Movement of peoples: civil wars, refugees
  - Lack of infrastructure
- Traditional healing methods vs. access to modern healthcare - who knows best?

# Diseases

- Ebola: disease caused by the Ebola virus.
  - Ebola is spread through direct contact with blood and body fluids of a person already showing symptoms of Ebola.
  - Ebola is not spread through the air, water, food, or mosquitoes.

Infographic:

[http://reliefweb.int/sites/reliefweb.int/files/resources/ECDM\\_20150309\\_WestAfrica\\_EVDOutbreak.pdf](http://reliefweb.int/sites/reliefweb.int/files/resources/ECDM_20150309_WestAfrica_EVDOutbreak.pdf)

# Newsweek Response

- Can Ebola come from eating infected meat?



## Questions for the group

- What emotions do you think the Newsweek *cover* is meant to elicit?
- What does the author of the editorial mean by “ooga booga journalism”?
- What is the practice of ‘othering?’
- How can we, as Americans, refrain from this practice? How do we change our thinking?

# Patient Zero

- AIDS/HIV
- <https://www.wnyc.org/radio/#/ondemand/169885>
- Ebola
- <https://www.wnyc.org/radio/#/ondemand/414174>
- Ebola VICE:
- <https://www.youtube.com/watch?v=ANUI4uT3xJI>
- <https://www.youtube.com/watch?v=XasTcDsDfMg>
- Malaria, Cholera, Sleeping Sickness, Tuberculosis