



Disease in Africa



African Diseases

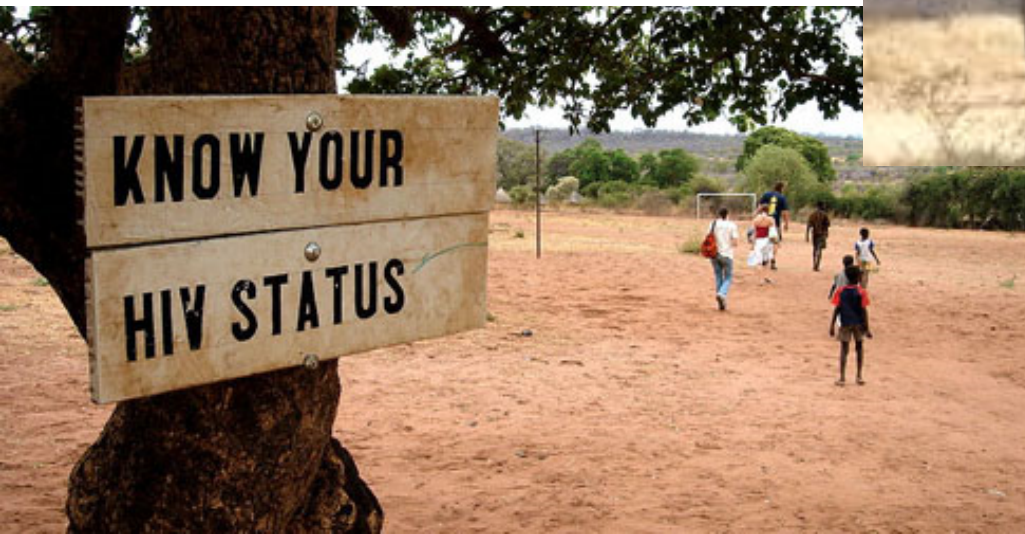
- Main diseases are Malaria, HIV/AIDS, and Tuberculosis
- Diseases spread due to results from
 - Malnutrition
 - Lack of education about diseases and transmission
 - Lack of access to health care and sanitation
- These infections have caused high mortality rates across Africa, especially in sub-Saharan Africa, to drop

HIV/AIDS

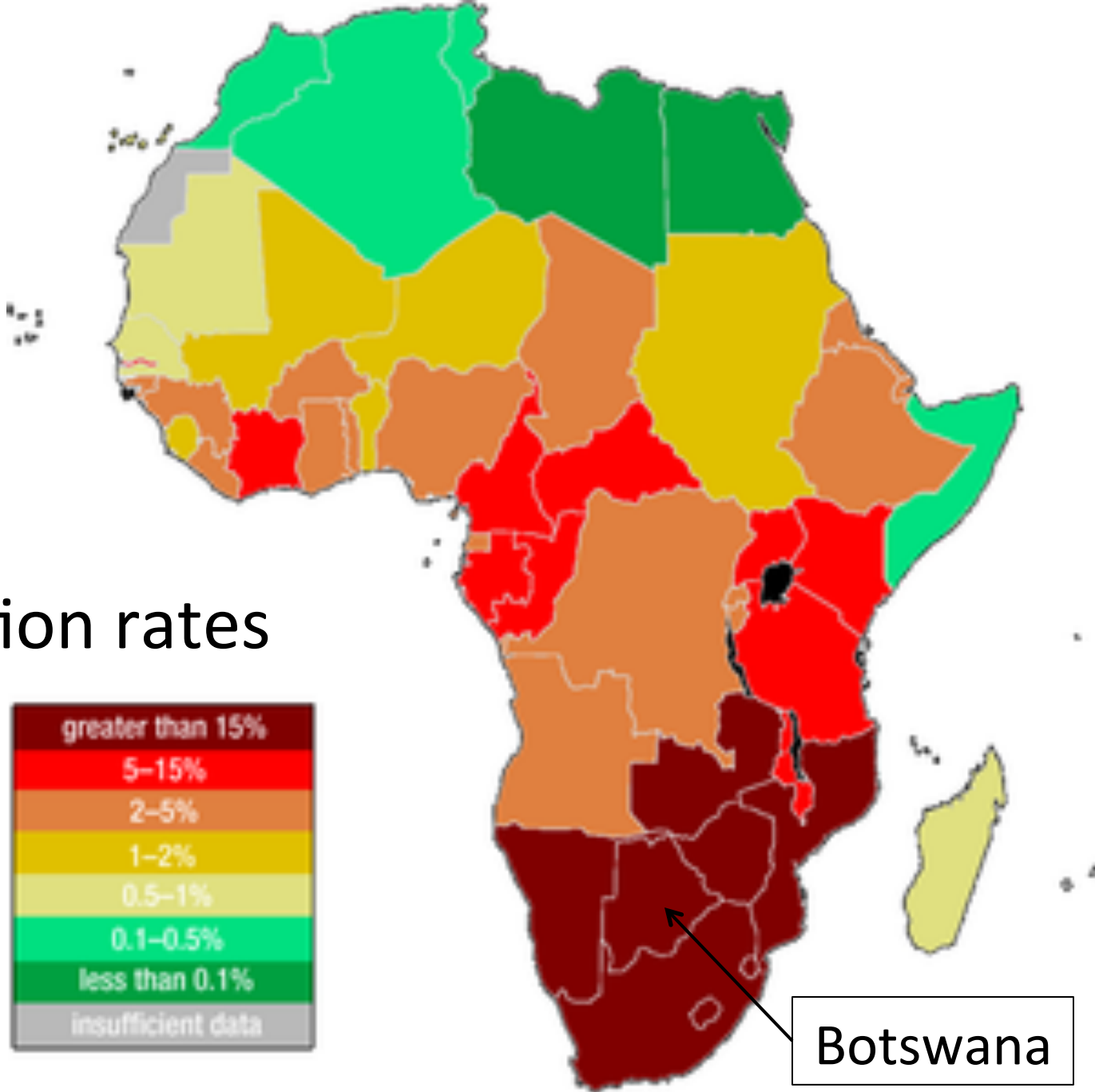
- Large problem in West, Central, and South Africa
- Percent of HIV positive people between 15-49:
 - Worldwide:
 - Africa:
 - South Africa:
 - Botswana:
- Lowest rates are in **Botswana** because of adherence to **ARV**



AIDS awareness signs in Africa



AIDS infection rates



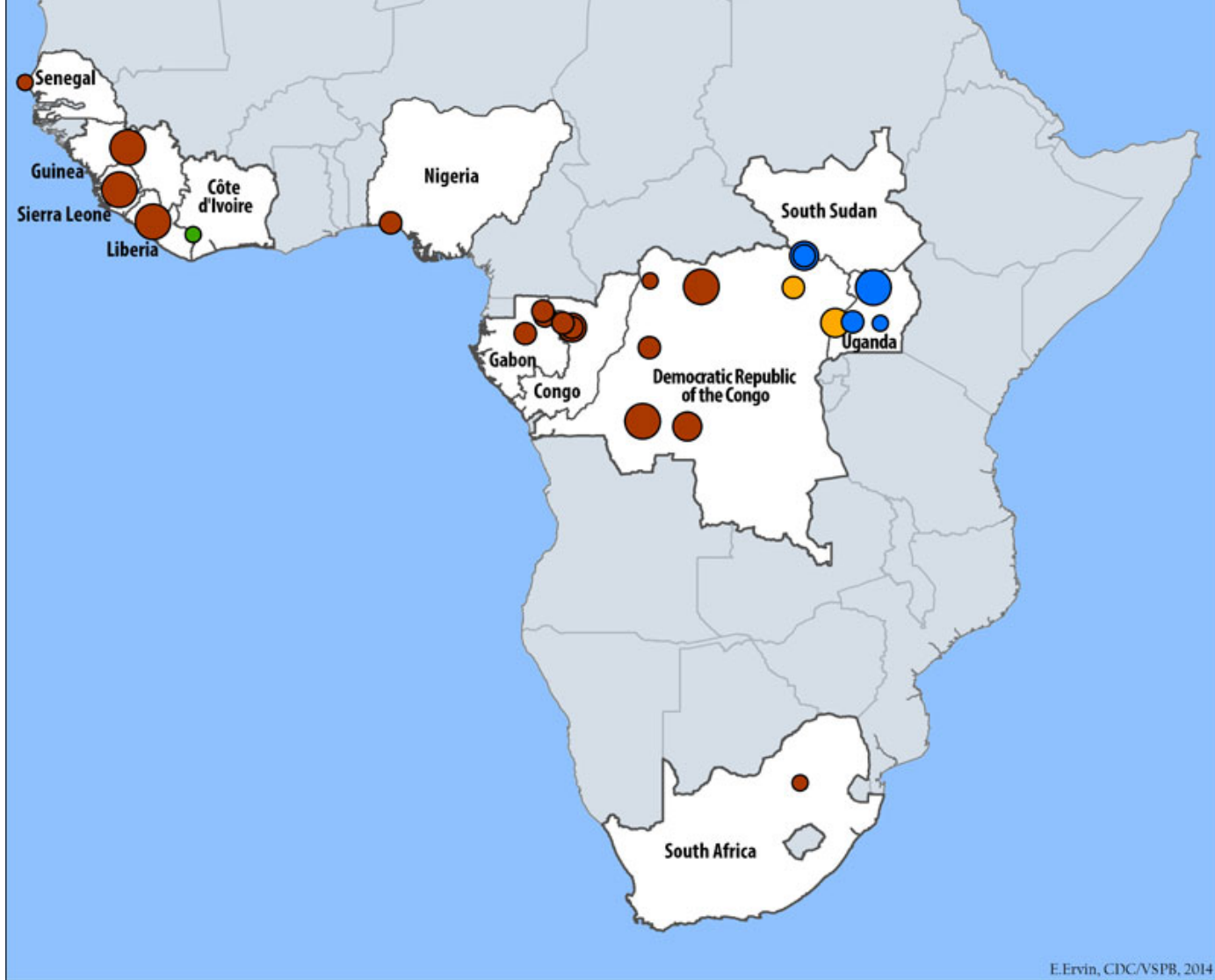
Tropical Diseases

Malaria

- Transferred by
- Large problem in West and Central Africa where there are

Ebola

- New disease; few , no yet
- Fatality rate of approximately
- Random outbreaks and then
- Originally found in , has spread across West and Central Africa
- 2014-2015 outbreak in is the worst yet (over cases and dead)



E. Ervin, CDC/VSPB, 2014

EBOLAVIRUS OUTBREAKS BY SPECIES AND SIZE, 1976 - 2014

Species

- Zaire ebolavirus
- Sudan ebolavirus
- Tai Forest ebolavirus
- Bundibugyo ebolavirus

Number of Cases

- 1 - 10
- 11 - 100
- 101 - 300
- Greater than 300 reported cases



0 245 490 980 Miles