

Name:

Date:

Worksheet

1. How many people are living with HIV worldwide?
2. What percentage of those living with HIV live in Sub-Saharan Africa?
3. It is estimated that 777,000 people died in 2018 from AIDS related causes worldwide. How many of these people lived in Sub-Saharan Africa? (West & Central + East & Southern Africa)
4. Which Sub-Saharan African country, with over a quarter of its adult population infected, has the highest HIV prevalence in the world.
5. Based on the figure in question #3, how many people died on average each day from AIDS related causes in Sub-Saharan Africa?
6. How many days would it take to equal the population of your hometown? (please include the name and population of your hometown).
7. Using your answers from questions #s 2 & 3, what percentage (%) of HIV/AIDS sufferers in Sub-Saharan Africa died from AIDS related causes last year?
8. How many people are living with HIV in the United States?
9. How many people died in the most recent year data is available from AIDS related causes in the United States?

- 10.** Using your answers from questions #s 8 & 9, what percentage (%) of HIV/AIDS sufferers in the United States died from AIDS related causes in the most recent year data was available?
- 11.** How many times greater is the HIV/AIDS death rate in Sub-Saharan Africa than in North America? (i.e. #7/#10)
- 12.** Do think the HIV/AIDS crisis is an epidemic or pandemic? Explain your thinking.
- 13.** Why is the HIV/AIDS epidemic in Sub-Saharan Africa so much more severe than it is in North America?
- 14.** What Sub-Saharan Africa nation(s) has the lowest life expectancy for males? What is its life expectancy? <http://data.worldbank.org/indicator/SP.DYN.LE00.MA.IN>
- 15.** What Sub-Saharan Africa nation(s) has the lowest life expectancy for females? What is its life expectancy? <http://data.worldbank.org/indicator/SP.DYN.LE00.FE.IN>
- 16.** What has happened to life expectancies in the Sub-Saharan Africa realm in the last 20 years? What does this say about efforts to combat AIDS, other diseases, and other factors that influence human development levels in the realm?
<http://data.worldbank.org/indicator/SP.DYN.LE00.IN?locations=ZG>

- 17.** What implications does a fast-growing population with a large number of youth, many of whom are orphaned, have for the Sub-Saharan Africa realm?

- 18.** When was HIV/AIDS first reported in the US?

- 19.** How did the CDC determine that the spread of the HIV virus was largely due to sexual contact?

- 20.** Who was Gaetan Dugas and what role did he play with respect to the initial outbreak of HIV/AIDS?

- 21.** Research has determined that the HIV virus entered the US many years prior to it first being reported. In what year did it enter the US and from where did it originate?

- 22.** What does the term "Spillover" mean?

- 23.** About what time did the HIV spillover to humans occur?

- 24.** What animal species did humans get HIV from?

25. Describe the 'Cut-Hunter' hypothesis.

26. Where in Sub-Saharan Africa did HIV likely first spillover to humans?

27. What is a likely scenario that illustrates how the HIV virus spread from its initial human 'victim' to other humans? (i.e. how did the epidemic begin?)

28. What is the likely scenario that illustrates how the SIV virus spilled over to 'Chimp Zero'?

29. Lastly... the story of the diffusion of HIV/AIDS is a long and seemingly complicated one, but as we have seen and heard, science has learned much about the origins and spread of the virus. What role has Medical Geography played in helping us understand the origins and spread of the HIV virus?