My NASA Data - Mini Lesson/Activity

El Niño & Spread of Human Disease: Student Activity

Student Directions

Directions: Read the article “2015-2016 El Niño triggered disease outbreaks across globe” (and review the video) explaining a NASA study examining the effects of the 2015-2016 El Niño on health around the world. When you have reviewed the materials to answer the questions below.

Additional Resources are provided below:

- The article 2015-2016 El Niño triggered disease outbreaks across the globe also includes a video.

Answer the questions about the information presented.

1. Name at least two of the datasets used for the study in the NASA video.
2. Reflect on what you learned in the video and article. Now, review the El Niño and Rainfall
3. Reflect on what you learned in the video and article. Now, review the Elevated Disease Risk map below. What diseases spiked in Colorado and New Mexico? What do these have in common?

4. What disease was studied in Tanzania?

5. What disease was studied in Brazil and Southeast Asia? What do these have in common?

6. How do the environmental changes caused by El Nino relate to the spreading of certain diseases?

7. What disease was studied in Tanzania?

8. What disease was studied in Brazil and Southeast Asia? What do these have in common?

9. How do the environmental changes caused by El Nino relate to the spreading of certain diseases?


Teachers who are interested in receiving the answer key, please contact MND from your school email address at larc-mynasadata@mail.nasa.gov.
Access and Explore Data

- Daily Sea Surface Temperatures