My NASA Data - Interactive Models

Exploring Patterns of Human Geography and COVID-19

Grade Band

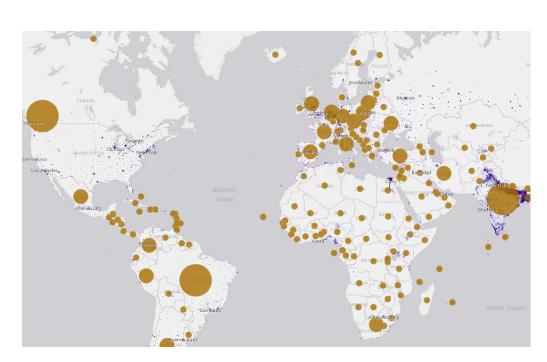
- 6-8
- 9-12

Time

• 30 minutes

Teacher Note

COVID-19 Cases Around the World Population Density (Persons Per Square Kilometer) 0 25 1,000+ Cumulative Total Number of COVID-19 Cases 10,000,000+ 5,000,000 - 10,000,000 1-1,000,000 Since December, 2019, COVID-19 pandemic has touched nearly every country on the planet. The map to the right displays the total number of COVID-19 cases each country has had since the start of the pandemic.





Learning Objectives

• Students will describe how the spread of COVID-19 is affected by population density.

• Students will explain why patterns in the spread of COVID-19 are happening over time.

Essential Questions

- What factors influence the spread of COVID-19?
- How is the spread of COVID-19 affected by human behavior?
- How do we quantitatively describe and compare countries' total COVID-19 cases?

Materials Required

- Computer/Tablet
- Internet Access
- Google Form (optional)
- Link to Exploring Patterns of Human Geography and COVID-19 Interactive Model

Teacher Answer Key

Teachers who are interested in receiving the answer key, please complete the <u>Teacher Key Request</u> and <u>Verification Form</u>. We verify that requestors are teachers prior to sending access to the answer keys as we've had many students try to pass as teachers to gain access.

NGSS Three Dimensional Learning

NGSS Disciplinary Core Ideas

- LS1B: Growth and Development of Organisms
- LS2A: Interdependent Relationships in Ecosystems
- LS2C: Ecosystems Dynamics, Functioning and Resilience
- ESS3C: Human Impacts on Earth Systems

Crosscutting Concepts

- Patterns
- Cause and Effect
- Stability and Change

Science and Engineering Practices

- Developing and Using Models
- Analyzing and Interpreting Data
- Constructing Explanations and Designing Solutions

Google Docs Interactive Files

Student Sheet