

# Human Health Prespective on Climate Change

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# Intended learning outcomes:



01

Classify populations affected by climate change.

02

Discuss the affect of climate change on respiratory allergies and asthma.

03

Describe the impact of ground level ozone on respiratory allergies.

04

List the benefits of educating medical students on climate change.

# What is an environment?



# Populations affected by climate change



## 1. Susceptible:

Biological factors that increase health risk.

EX: Genetic variants, life stage and medical history.

## 3. Sensitive:

Populations that are both susceptible and vulnerable.

EX: Certain members that evacuated new Orleans following hurricane Katrina.



## 2. Vulnerable:

At high risk due to environmental or personal factors.

EX: Poverty, substance abusers and mental illness

# The affect of climate change on respiratory allergies



- The management of respiratory allergies and asthma is based mainly on controlling of triggering agents.
- As a result, alterations of the environment can impact the intensity of climate-sensitive diseases.

# Impact on risk



- Increases the production of pollen.



- Increases ground level ozone.

# Affect of ground level ozone on respiratory allergies



- Inhaling ozone induces a variety of reactions including chest pain, coughing, throat irritation, and congestion.
- It can also exacerbate bronchitis, emphysema, and asthma.

# What are the benefits of educating medical students on climate change?



1. Treat, and prevent the health care effects of climate change.
2. Can help develop the professional identity of medical students.
3. Prepares students to become the agent of change.



# Conclusion

- Environmental consequences of climate change affect human health both directly and indirectly.
- Addressing these are challenging as the environment and the decision that people make has an effect on human health.
- More research needs to be conducted because to date most researches are focused on the environmental effects of climate change rather than the effects on health.

# References

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**Thank You!**

