



YALE NATIONAL INITIATIVE

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Curriculum Units by Fellows of the National Initiative
2015 Volume VI: Physiological Determinants of Global Health

The Changing Threat of Malaria and the Impact on Global Health

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The curricular unit: *The Changing Threat of Malaria and the Impact on Global Health* is designed to be taught to students in a high school biology course. Malaria is one of the largest killers today. Even with billions of dollars being spent every year, over 200 million people are afflicted with the disease each year, killing more than 500,000 of them. Through an examination of the disease malaria, students are exposed to the nature of the disease itself, the potential impacts climate change might have on the disease, the effects on humans, and propose solutions to reduce human suffering. Hands on activities include examination of various types of cells and microscopic organisms, raising of mosquitos to observe their lifecycle and investigating potential mitigation efforts to minimize human suffering.

(Developed for Biology, grades 10-11; recommended for Biology and Environmental Science, grades 10-12)

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