

Biology 675

EMERGING INFECTIOUS DISEASES (EIDs)

© Christine Case, Skyline College

EIDs


"Nothing in the world of living things is permanently fixed." —Lewis Thomas, 1958

- New diseases -CDC
- Diseases with increasing incidence -NIH
-WHO

Where do EIDs come from?


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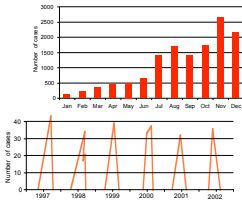
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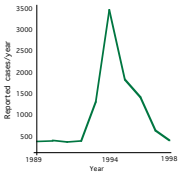
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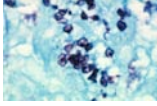
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Pneumocystis jirovicii


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1973: Children with arthritis could be treated with antibiotics...

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EIDs

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Study finds warming link with epidemics

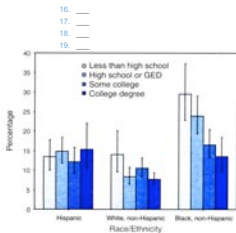
Diseases said to rise with temperatures

By Erika Lee McFarling
For Science Times

A wide-ranging survey of world temperatures shows that warmer temperatures have sparked a host of epidemics in plants and animals, suggesting that global

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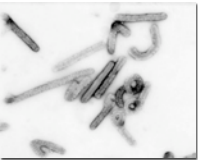


Race/Ethnicity	Less than high school	High school or GED	Some college	College degree
Hispanic	~18%	~15%	~12%	~10%
White, non-Hispanic	~15%	~12%	~10%	~8%
Black, non-Hispanic	~30%	~25%	~15%	~10%

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Cultural Choices

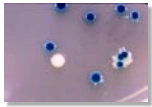
- Food 
- Pets 

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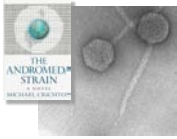
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Where do EIDs come from?

Over crowding	Pesticide use
Antibiotic abuse	Improved case reporting
Genetic recombination	Global warming
Migration	Public health failure
Weather	Crossing species barrier
Geologic events	Cultural choices
Globalization	Environmental encroachment
Predisposing factors	Improved technology
Suburbia	Bioweapons
	Extraterrestrial

BioBucks

• What can be done?

"Is not disease the rule of existence?..."

