

United States Senate  
Subcommittee on Labor-HHS-Education  
Appropriations

**FY 2008 Budget for the National  
Institutes of Health: A New  
Vision for Medical Research**



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**National Institute of Allergy and Infectious Diseases (NIAID)  
National Institutes of Health (NIH)**

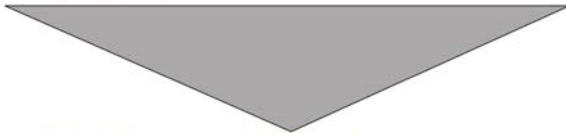


**NIAID Infectious Disease Research:  
A Dual Mandate**

Maintain and “grow” a  
robust basic and clinical  
research portfolio in  
microbiology, infectious  
diseases and  
immunology

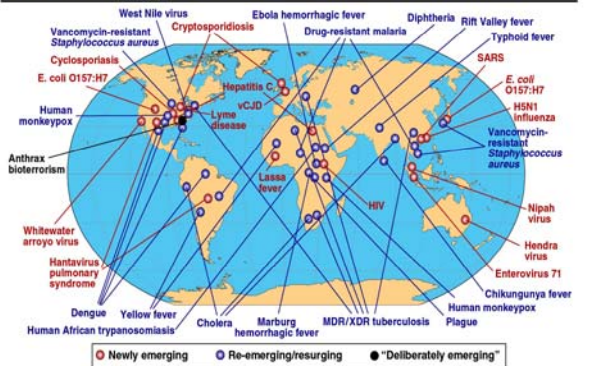


Respond rapidly to  
new infectious  
disease threats



**New/Improved Countermeasures**

**Global Examples of Emerging and  
Re-Emerging Infectious Diseases**



**Emerging/Re-Emerging Infectious  
Diseases: Selected Opportunities**

**HIV/AIDS**

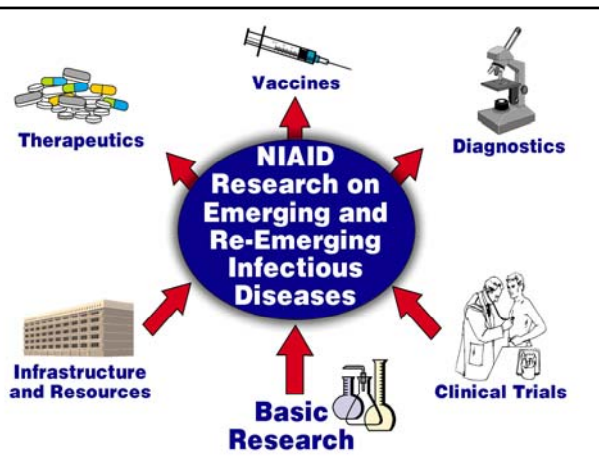
- New generation of anti-HIV drugs
- Expanded HIV vaccine trials
- New tools for HIV prevention, e.g. microbicides and circumcision

**Malaria**

- Mining genomic sequences of parasite and vector
- Averting and overcoming drug resistance
- Novel vaccine candidates

**Influenza**

- Development of new countermeasures for both seasonal and pandemic influenza, e.g. vaccines, therapeutics, and diagnostics



## **Emerging/Re-Emerging Infectious Diseases: Selected Opportunities**

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### **Tuberculosis**

- Additional drug and vaccine candidates in clinical trials
- Development of point-of-care diagnostics
- Implementation of NIAID research agenda for XDR-TB

### **Potential Bioterror Agents**

- Enhanced research infrastructure
- Application of basic research findings to the development of countermeasures

## **A Delicate Balance: The Perpetual Challenge**

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**The Extraordinary  
Capability of  
Microbial  
Pathogens to  
Persist, Emerge,  
and Re-Emerge**

**Public Health  
Measures,  
Biomedical  
Research, and  
Countermeasure  
Development**

