

United States Senate
Subcommittee on Labor-HHS-Education
Appropriations

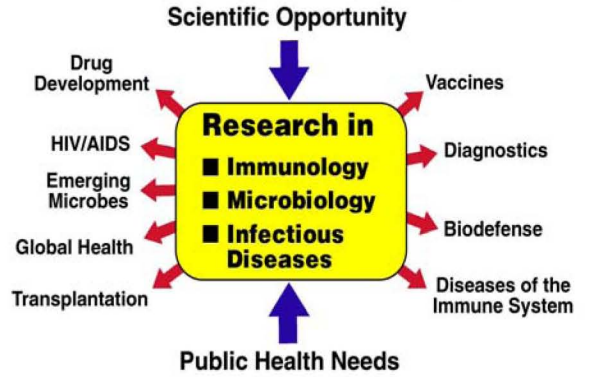
**FY 2008 Budget for the National
Institutes of Health: A New
Vision for Medical Research**



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

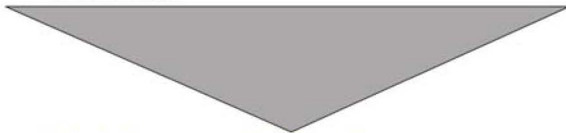


**NIAID Infectious Disease Research:
A Dual Mandate**

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

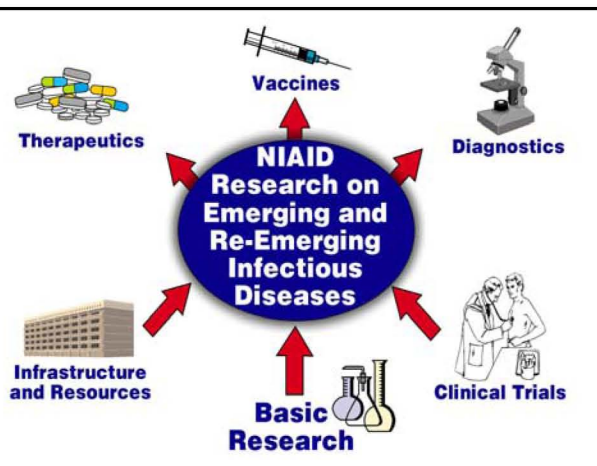
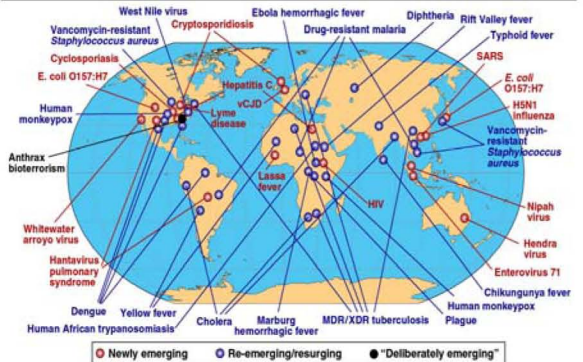


Respond rapidly to
new infectious
disease threats



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

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

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

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

