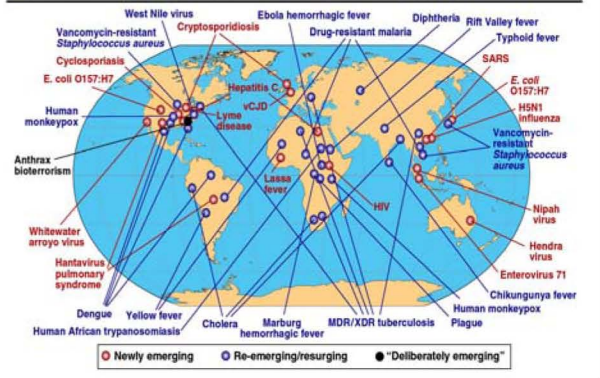


Global Examples of Emerging and Re-Emerging Infectious Diseases

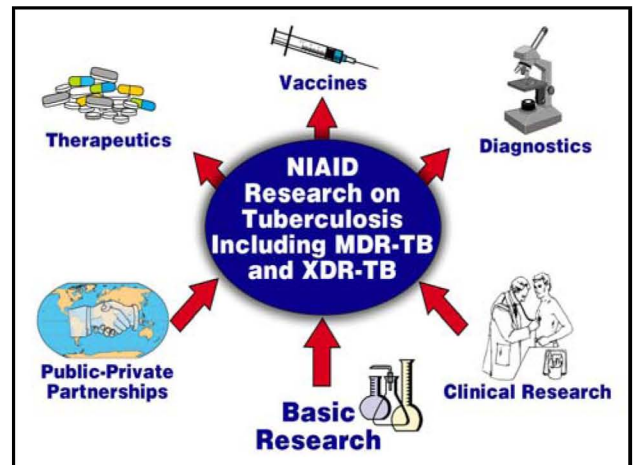


Tuberculosis and HIV/AIDS

- Of 40 million people living with HIV, ~1/3 are co-infected with TB
- TB is the leading cause of death among HIV-infected people worldwide
- TB accelerates the replication of HIV
- HIV accelerates progression of TB

Major Challenges in the Control of Tuberculosis

- Available **diagnostics** are antiquated, insensitive and slow
- Current **drug regimens** are complex and lengthy
- Available **vaccine** not effective in preventing adult pulmonary TB



NIAID Research Agenda

Multi-Drug Resistant and Extensively Drug Resistant Tuberculosis



NIAID Tuberculosis Working Group



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

