

NIH: Steward of Medical and Behavioral Research for the Nation

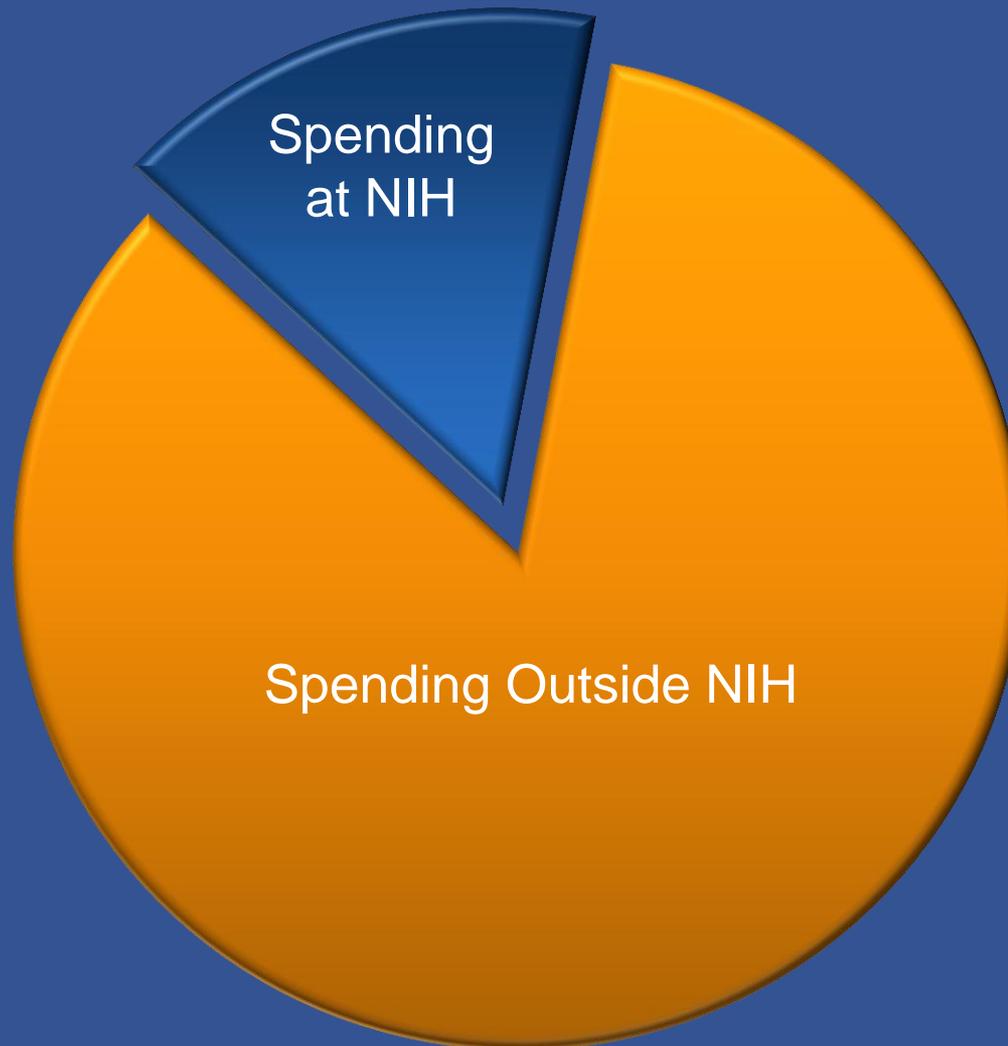


“Science in pursuit of **fundamental knowledge** about the nature and behavior of living systems... and the **application of that knowledge** to extend healthy life and reduce illness and disability.”



NIH: Supporting Biomedical Research

FY 2013 Full-Year CR Level: \$29.1 Billion



U.S. Department of Health & Human Services: Agencies Collaborating to Halt Valley Fever (VF)

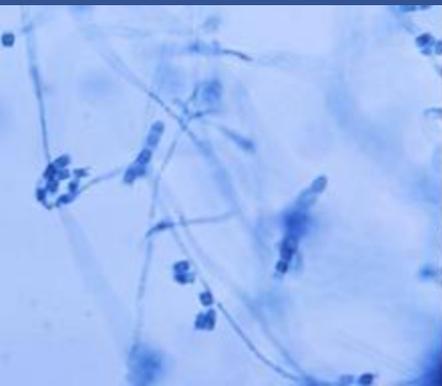
- Centers for Disease Control and Prevention (CDC)
 - Leads efforts to protect Americans from all disease threats
 - *VF*: studies epidemiology; conducts applied research; provides support to health departments; educates patients, providers
- National Institutes of Health (NIH)
 - Supports, conducts biomedical research to advance understanding of health and disease
 - *VF*: basic biology; drug development; clinical trial implementation
- Food and Drug Administration (FDA)
 - Assures safety, efficacy, of drugs, devices, food supply, etc.
 - *VF*: approves drugs, tests, that are proven safe and effective



Valley Fever (Coccidioidomycosis)

A disease that is

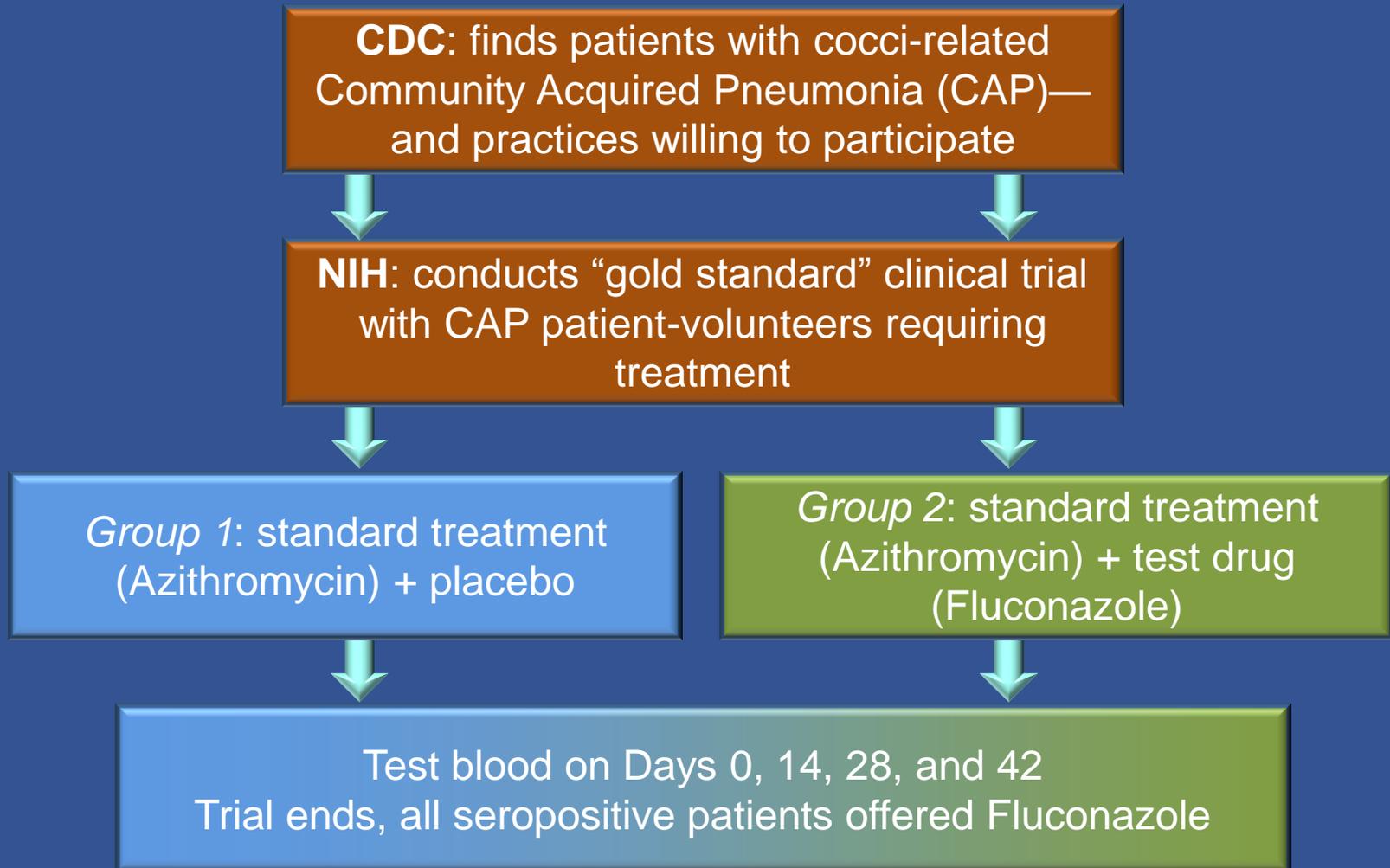
- Hard for patients
- Hard for providers
- Hard for researchers



NIH Commitment to Fungal Disease Research: Coccidioidomycosis Treatment Trials

- 7 clinical treatment trials of Coccidioidomycosis from NIAID Mycoses Study Group (with drugs still available)
 - Forms of disease
 - 4 on chronic pulmonary non meningeal disease
 - 3 on meningitis
 - 3 drugs studied—most as sole therapy
 - 1 comparative, randomized, controlled trial—no significant differences found
- Of these 7 trials:
 - All small
 - None on primary pneumonia

Planned Clinical Trial on Valley Fever: The Study *(as currently conceived)*



Planned Clinical Trial on Valley Fever: Anticipated Outcomes

- Determine safety/efficacy of fluconazole in endemic area
- Assess impact of early treatment on immune response/outcome
- Identify best available diagnostic approaches
- Recognize and characterize early stages of disease





NIH...

Turning Discovery Into Health

