12th Annual Valley Fever Awareness Week
November 8th – 16th 2014
Valley Fever is a Western Hemisphere Disease

- **Areas in which coccidioidomycosis is endemic**
- **Uncertain areas**
Valley Fever is a Western Hemisphere Disease
The Valley Fever Corridor:
2/3 of all US disease occurs here
Valley Fever Problem in Arizona Alone

- Total Infections: 100,000-
- Seek Medical Attention: 10,000-
- Diagnosed/Reported: 1,000-
- Disseminated Infection: 100-
- Deaths: 10-

- 75% Stopped working, Lost time > 2 weeks
- 50% Illness >6 months
- 40% Hospitalized costs
  Alone=$100M (2012 est.)
Reported Valley Fever

*2014 data extrapolated from week 44, MMWR
Today’s Schedule

Ken Ramos MD PhD: Precision Health: a Bold Initiative at the Az Health Sciences Center

John Galgiani MD: Precision Health in Valley Fever: Does Ancestry Matter?

Break

Ziad Shehab MD: Valley Fever in Kids.
Lisa Shubitz DVM: A Valley Fever Vaccine for Dogs.
Clinical Network and Research

Vaccines

New Drugs (Nikkomycin Z)

Better Diagnostics; Genetics of Risk

Valley Fever Corridor Project; VFAAC; VFC-P
Valley Fever Costs to Arizona

Educate Arizona patients and doctors
$100 thousand/year

Referral network and case management
$300 thousand/year

Diagnostic test development
$1.5 million

Nikkomycin Z development
$40-$60 million

Vaccine development
-- Protein vaccine: $40 M just to start clinical trials
-- Live attenuated vaccine: Safety????
Dogs then Humans. $??

**Doing nothing**
$ 0.25 Billion
Thank-you
Valley Fever Center for Excellence