

# Cancer in Northern New Mexico Communities

Chuck Wiggins, Ph.D.

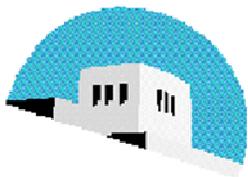
Director and Principal Investigator

New Mexico Tumor Registry

*Northern New Mexico Citizen's Advisory Board Meeting*

Buffalo Thunder Resort

January 30, 2013



University of New Mexico – Health Sciences Center

# What We'll Cover Today

- Public Health Surveillance for Cancer
- Methods and Measures
- Cancer Rates
- Questions
- Concluding Remarks

*Public Health Surveillance for Cancer*  
**New Mexico Tumor Registry**

- Population-based
- Established in 1966
- Area of Coverage:
  - New Mexico Statewide
  - Arizona American Indians  
*...in collaboration with the Arizona Cancer Registry*
- Founding member of the National Cancer Institute's SEER Program (1973)



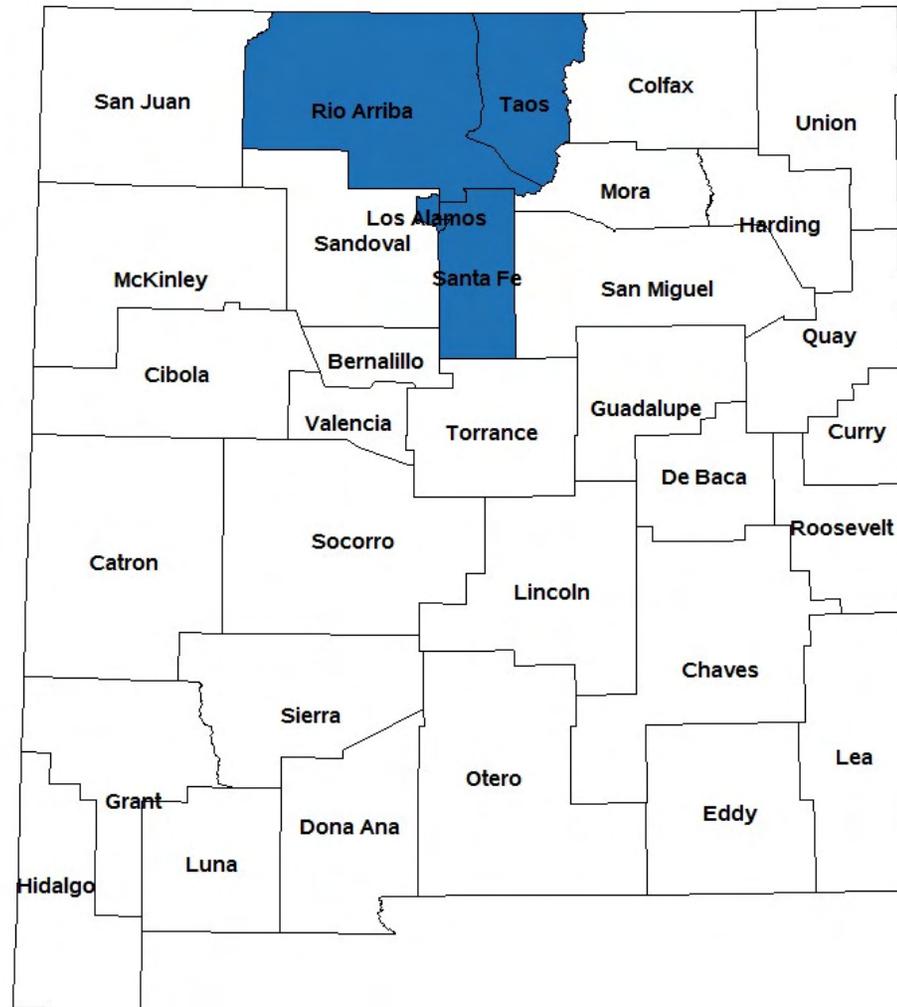
## *Methods and Measures*

# Incidence Rates

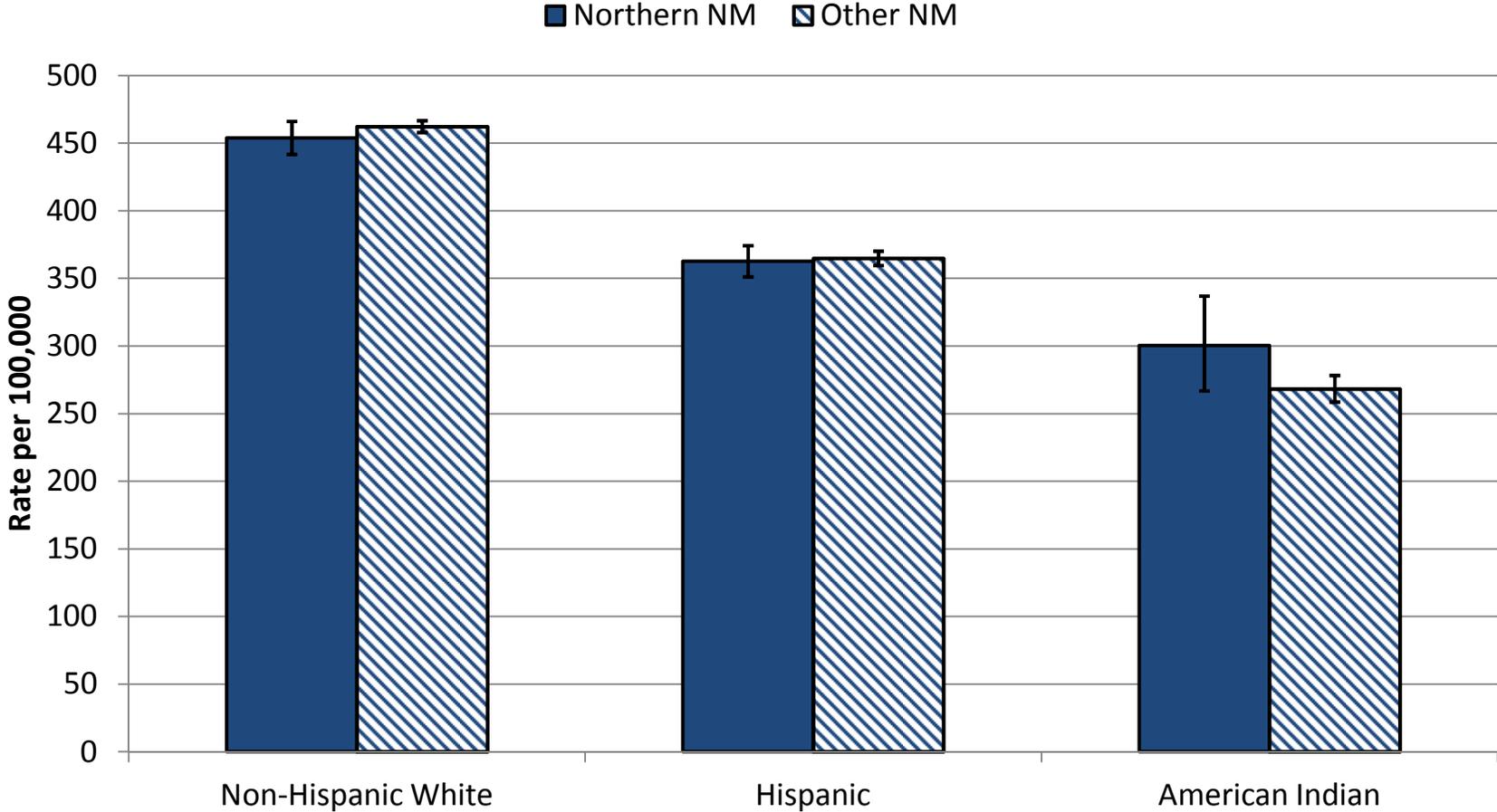
- A measure of how quickly new cancer cases are being diagnosed among New Mexico residents
- Relates newly-diagnosed cancer cases to the size of the resident population during a specified time period
- Average annual rates for the time period 2000-2009
- Age-adjusted to the distribution of the US 2000 population
- 95 percent confidence intervals show variability of rates

## *Methods and Measures*

# Focus on Four Northern New Mexico Counties

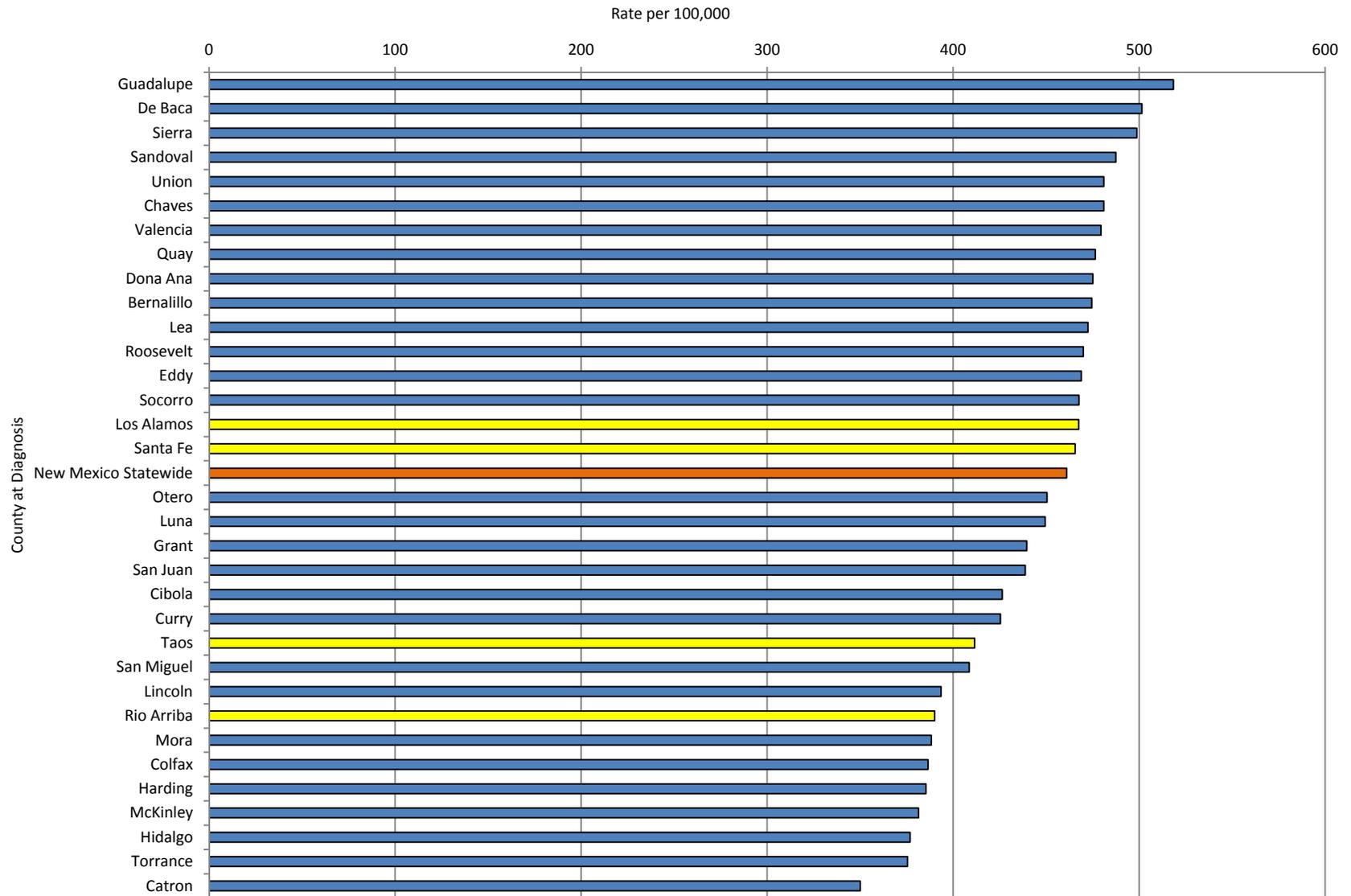


**All Types of Cancer - Combined**  
**Average Annual Age-Adjusted Incidence Rates per 100,000 (US 2000 standard)**  
**New Mexico Residents, 2000-2009**



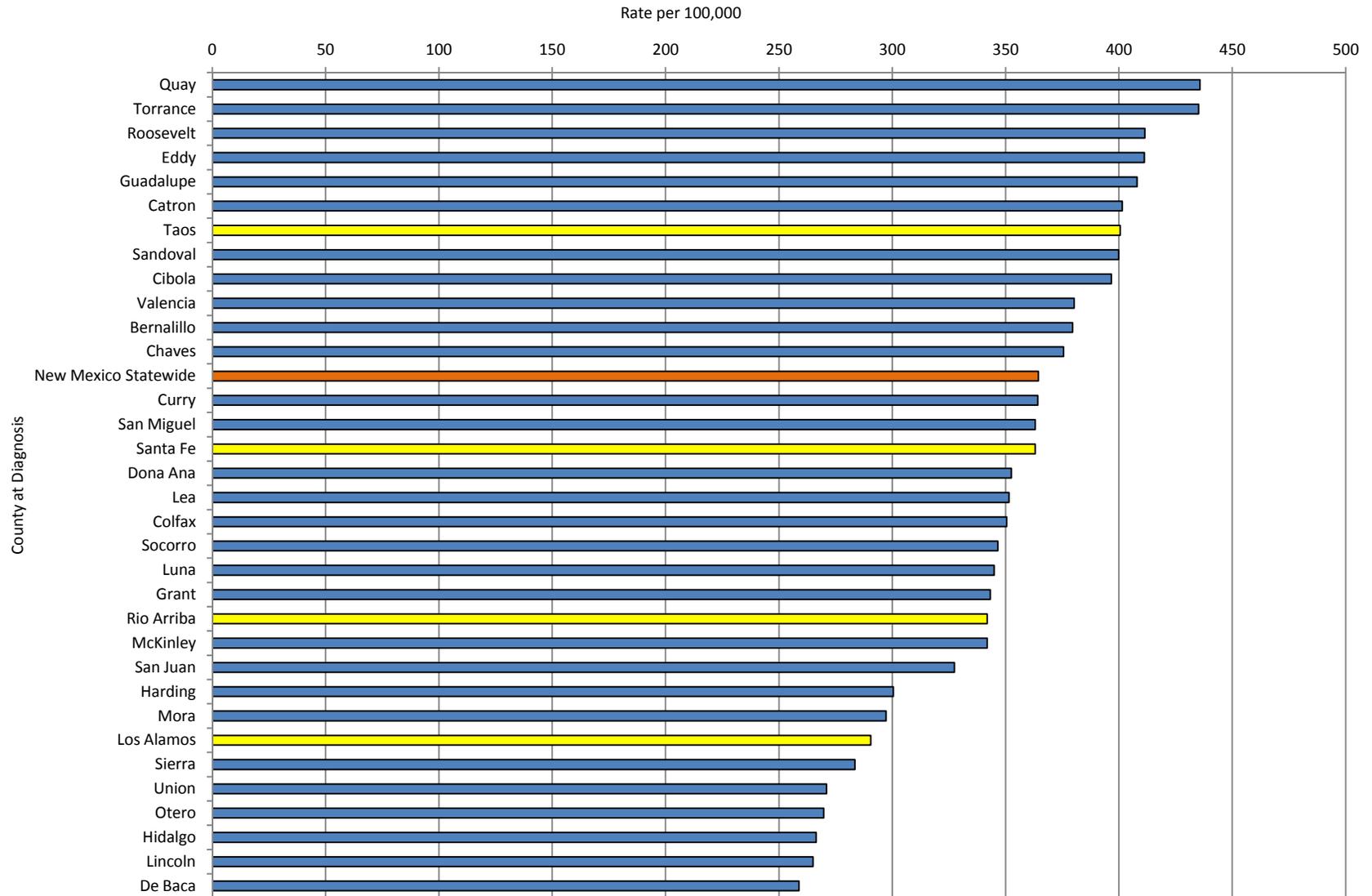
# All Cancers Combined

Average annual age-adjusted incidence rates per 100,000 (US 2000 Standard)  
Non-Hispanic White New Mexico residents by county of residence at diagnosis, 2000-2009



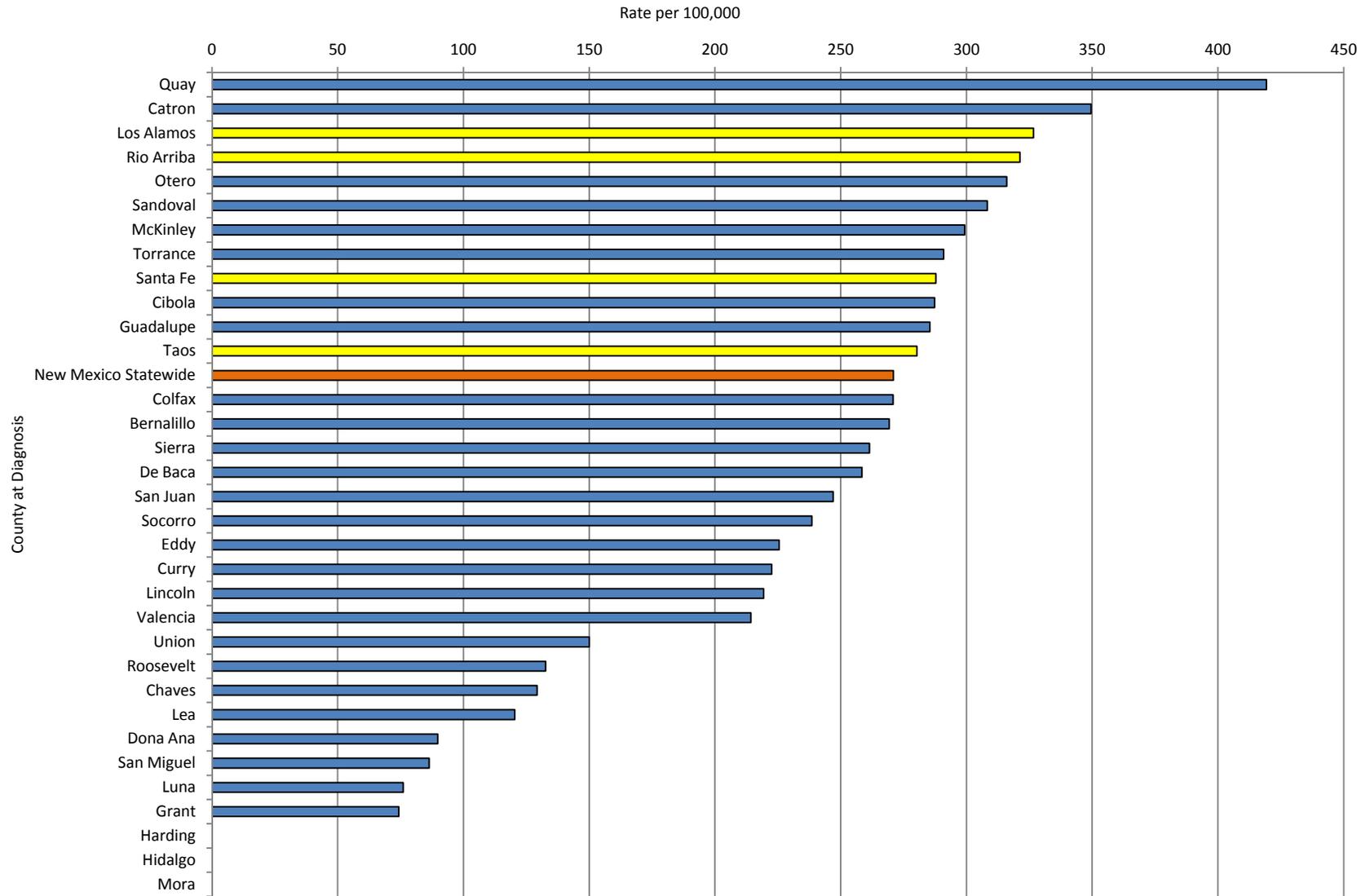
# All Cancers Combined

Average annual age-adjusted incidence rates per 100,000 (US 2000 Standard)  
Hispanic New Mexico residents by county of residence at diagnosis, 2000-2009



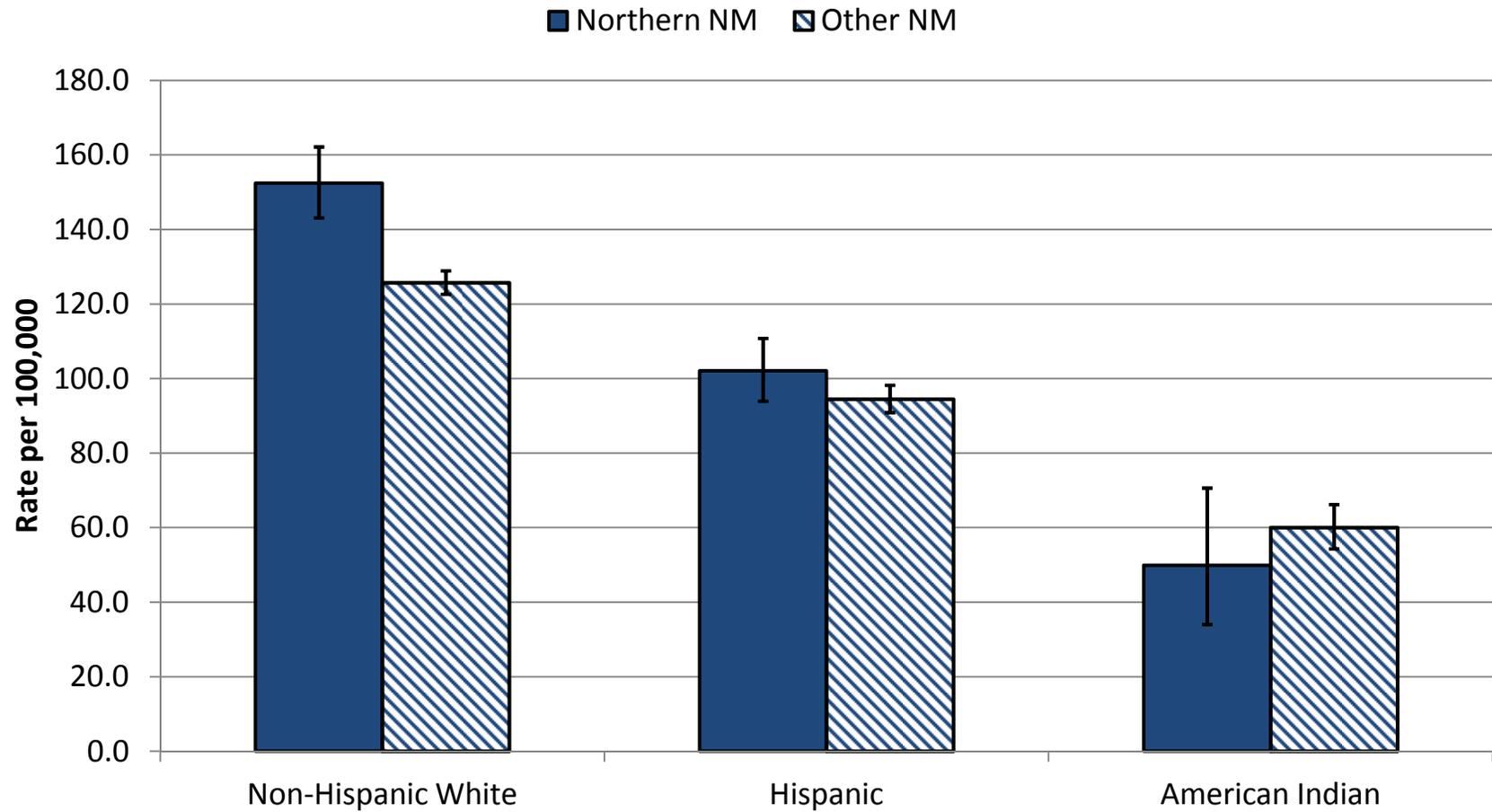
# All Cancers Combined

Average annual age-adjusted incidence rates per 100,000 (US 2000 Standard)  
American Indian New Mexico residents by county of residence at diagnosis, 2000-2009



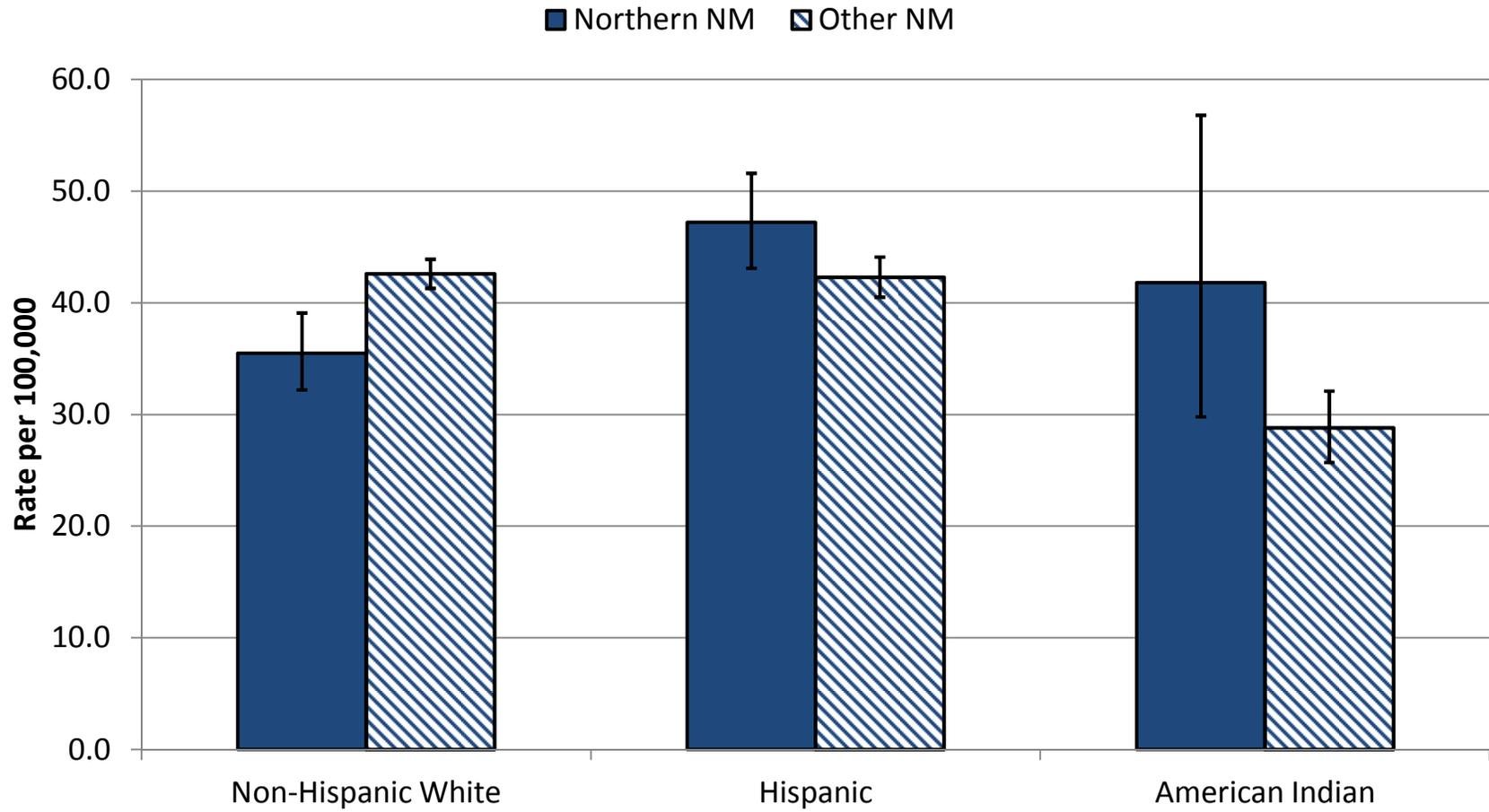
# Female Breast Cancer

Average Annual Age-Adjusted Incidence Rate per 100,000 (US 2000 standard)  
New Mexico Residents, 2000-2009

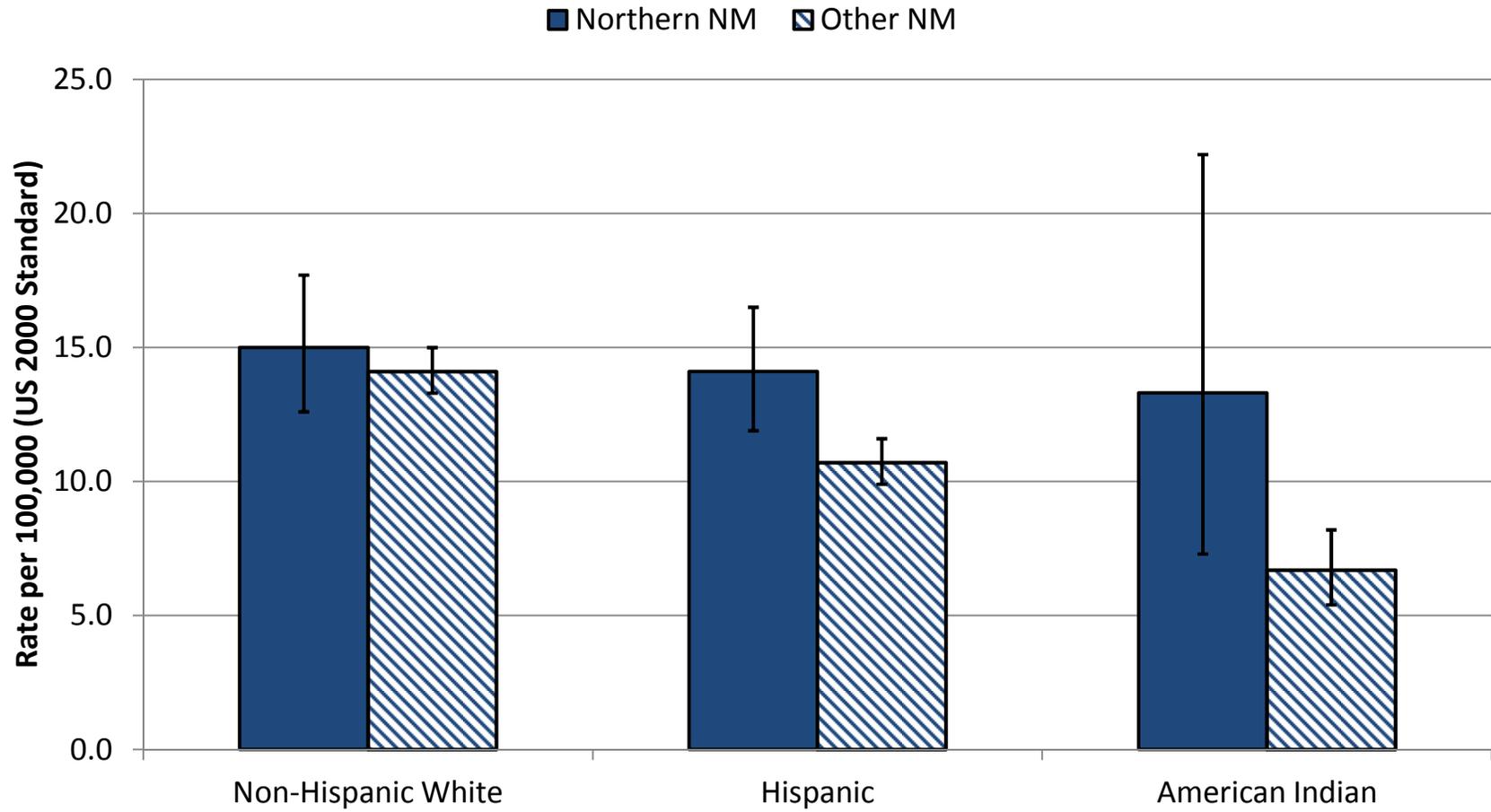


# Colorectal Cancer

Average Annual Age-Adjusted Incidence Rate per 100,000 (US 2000 standard)  
New Mexico Residents, 2000-2009



**Thyroid Cancer**  
**Average Annual Age-Adjusted Incidence Rate**  
**New Mexico Residents, 2000-2009**



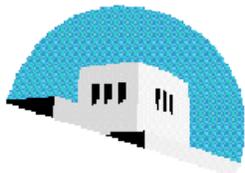
*What questions do you have?*

## Concluding Remarks

- Cancer is a leading cause of illness and death in New Mexico
- Cancer rates vary by race/ethnicity
- Cancer rates vary by regions within the state
- Challenges:
  - *Constraints in compiling and interpreting reports based on a relatively small number of cases in some areas*
  - *Appropriate population estimates are not always readily available for such analyses*

Chuck Wiggins  
New Mexico Tumor Registry  
MSC 11 6020  
1 University of New Mexico  
Albuquerque, New Mexico 87131

(505) 272-3127  
[cwiggins@salud.unm.edu](mailto:cwiggins@salud.unm.edu)



University of New Mexico – Health Sciences Center