

Primary Care Training in the Community Centers: New Mexico and Social Determinants

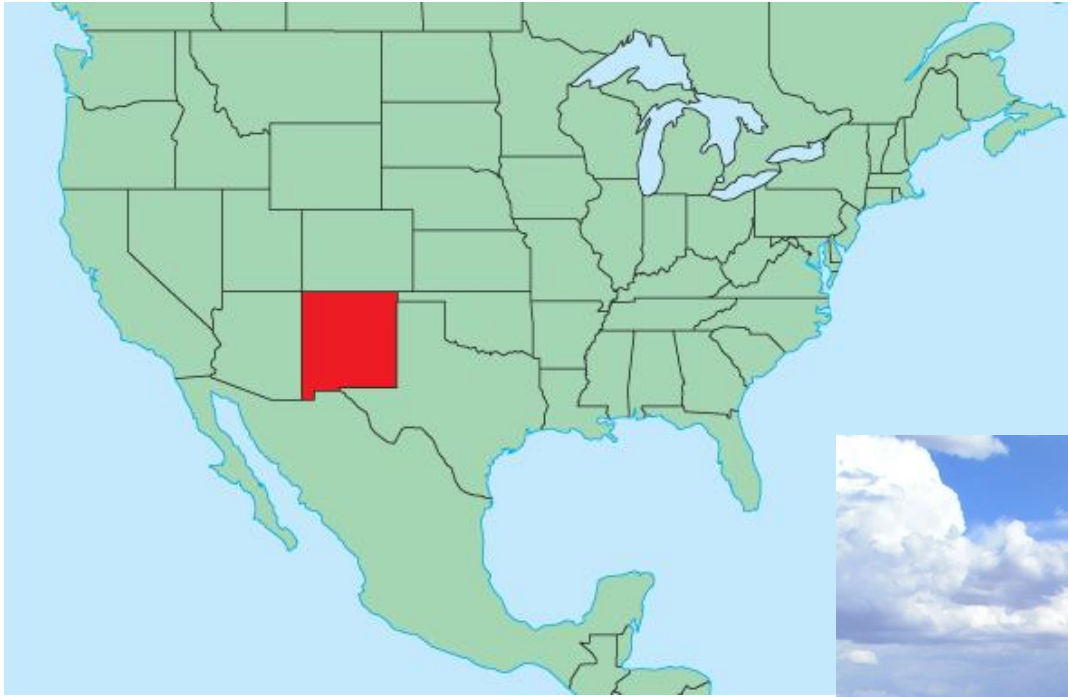


The Social Mission of Medical Education to Achieve health Equity

PAHO/WHO, Manaus, Brazil, Sept 11, 2014

Arthur Kaufman, MD
Vice Chancellor for Community Health
University of New Mexico
akaufman@salud.unm.edu





Quality Care is Not Enough

ex. Diabetes in Native Americans

- Recommended Preventive Services:
 - Native Americans have best rates
- Deaths from Diabetes:
 - Native Americans have highest rates

New Mexico Dept of Health 2010 Report on Ethnic Disparities in Health



Social Determinants

- Income
- Education
- Housing
- Social Inclusion
- Racism
- Transportation
- Nutrition
- Safety
- Built Environment
- Childhood Experiences



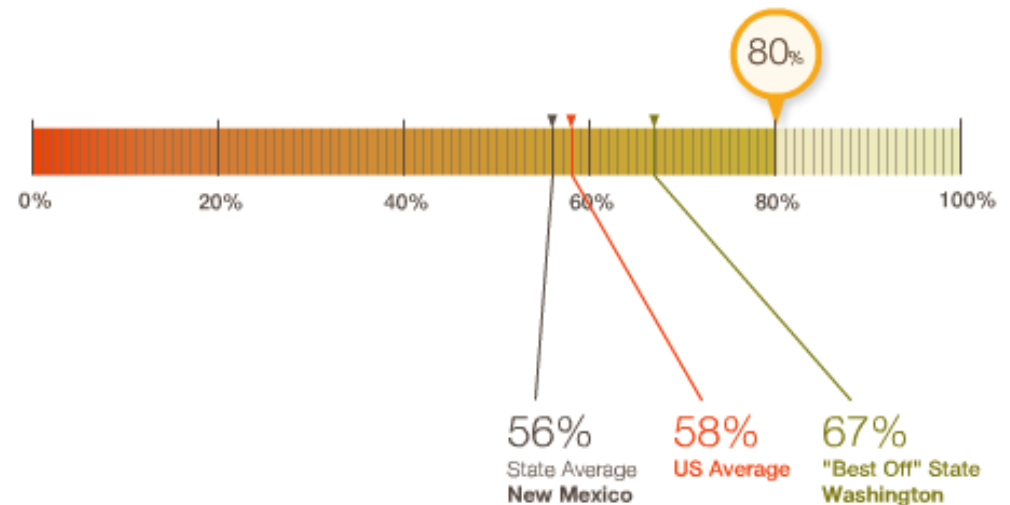
Determinants of Health

<u>Contribution to Mortality</u>		<u>% Nat'l Health Budget</u>
• Lifestyle	43%	1%
• Biology/Genetics	27%	7%
• Environment	19%	2%
• Health Services	11%	91%



Education and Health

- High correlation of educational attainment and health
- 56% of New Mexicans had some college education (we rank 36th in nation)
- If 24% more (80%) had some college, we would avert 677 deaths/year

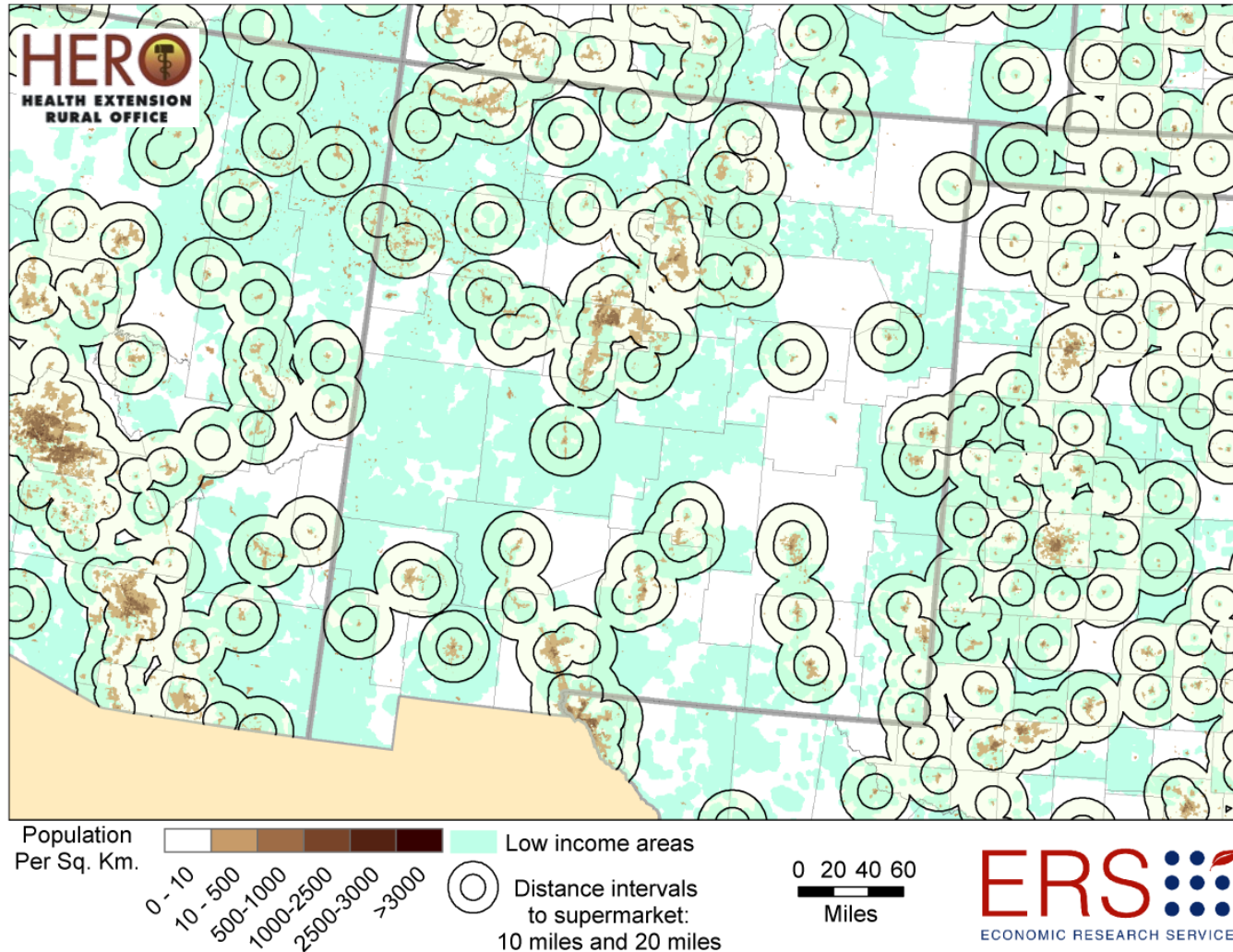


Source: Robert Wood Johnson Foundation Commission to Build a Healthier America



“Food Deserts” in New Mexico

Areas with Limited Access to Affordable and Nutritious Food



New Institutional Vision Statement

“The University of New Mexico Health Sciences Center will work with community partners to help New Mexico make more progress in health and health equity than any other state by 2020.”

V I S I O N
2020



Comments from a Sampling of Community Health Leaders

- “You’re known as the University of Albuquerque”
- “You’re only present while grant funds last”
- “You don’t build upon local wisdom”
- “You don’t compare well to New Mexico State Univ, the agricultural school”



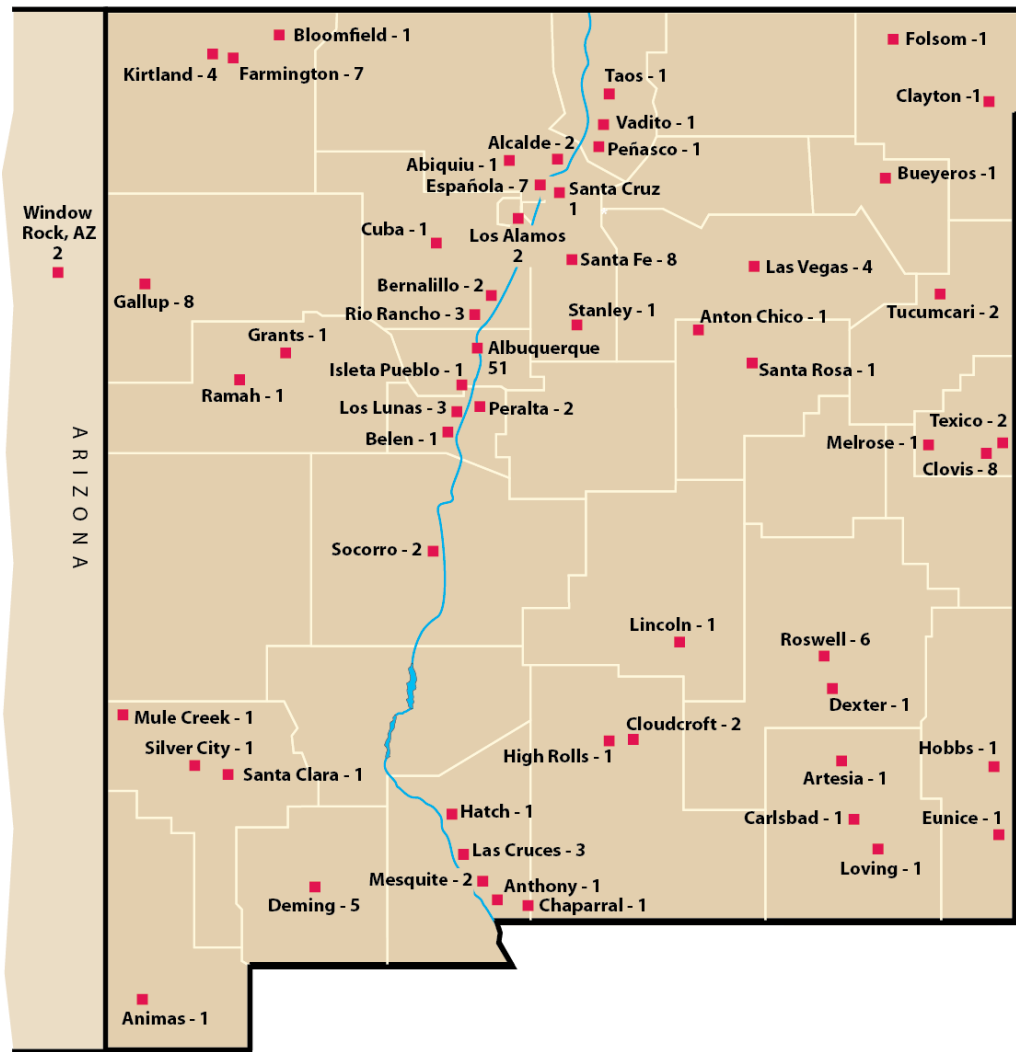
Establish Health Extension Rural Offices



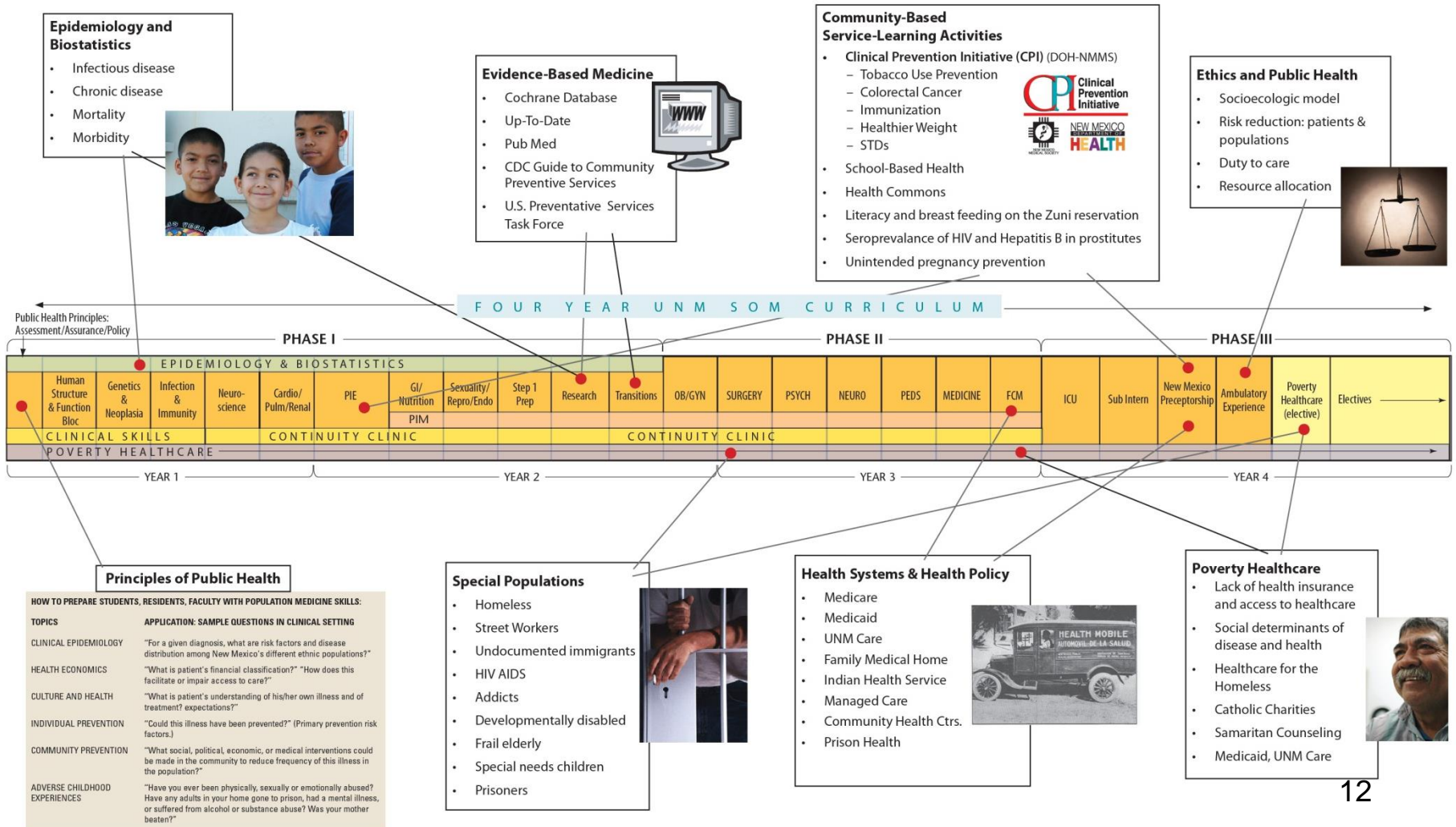
- Place full-time agents in rural communities across the state
- Link community health priorities with UNM resources
- Monitor effectiveness of university programs in addressing community health needs



Combined BA/MD Program 2006-2011 Entry Classes



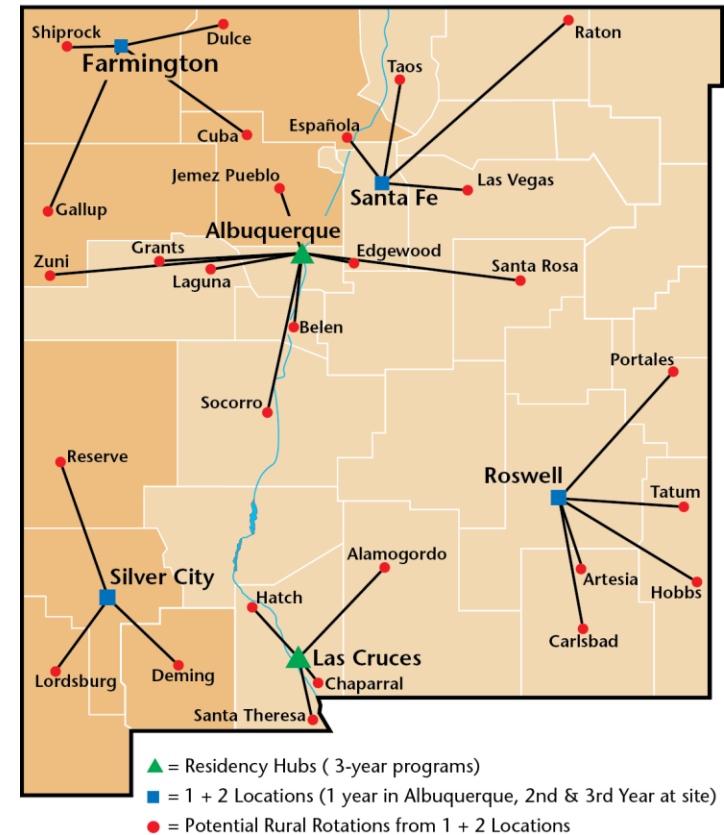
Next UNM School of Medicine Curriculum Reform: Public Health Certificate (17 credits) for all students



FM resident Outcomes, Plans

- 76 Residents, half in ABQ, half in rural NM
- 25% of ABQ grads work in rural NM'
- 70% of rural NM grads for in rural NM

Existing and Potential Training Locations for Family Medicine Residents in New Mexico



Health Professional Shortages in Lea County

Health Profession	Estimated # Needed	# Licensed, Residing in County	Provider Gap
Physicians	108	60	48
Nurse practitioners	54	17	37
Physician assistants	54	6	48
Physical therapists	22	15	7
Dentists	39	7	32
Registered nurses	466	379	87

Source: New Mexico Center for Health Workforce Analysis, 2012



Educational Reform Must be Complemented by Service Reform

- **One-stop-shop** (primary care, public health, behavioral health, oral health, case management, community health workers)
- **Community stakeholders** (address intractable community health problems; promote pipeline development, economic development)
- **Model interdisciplinary training**

Kaufman A, Derksen D, Alfero C, et al. The Health Commons and Care of New Mexico's Uninsured. *Ann Fam Med*, Vol. 4, Supplement 1, Sept/Oct 2006: 522-527



“Health Commons”

- Community stakeholders address intractable health problems
- One-stop-shopping (medicine, behavioral health, case management, oral health, community health worker links with community)
- Integration of medicine and public health
- Model interdisciplinary training site for health professionals
- Community engagement — e.g., pipeline development, economic development

Kaufman A, Derksen D, Alfero C, et al. The Health Commons and Care of New Mexico's Uninsured. *Ann Fam Med*, Vol. 4, Supplement 1, Sept/Oct 2006: 522-527



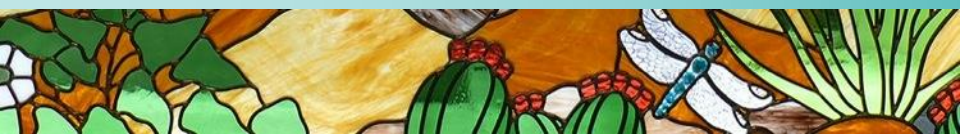
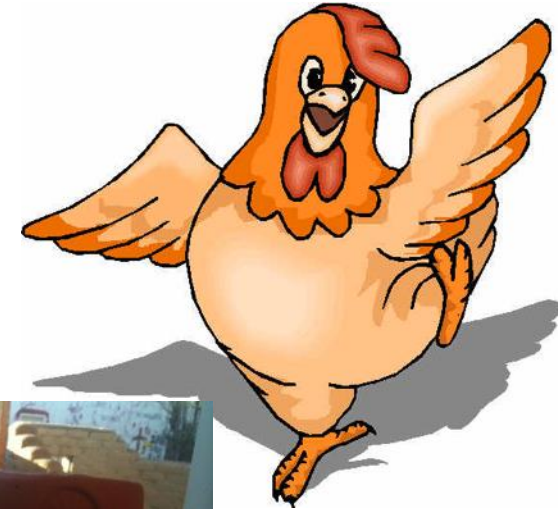
Lessons from Developing Countries

- Community Health Workers: Brazil
- Career Ladder: Philippines
- Nutrition and Potable Water: Kenya



Social Determinants

Food Co-op
Elementary school
Economic development
ollas
honey
eggs chickens
plants
Housing renovation
Urban Gardening

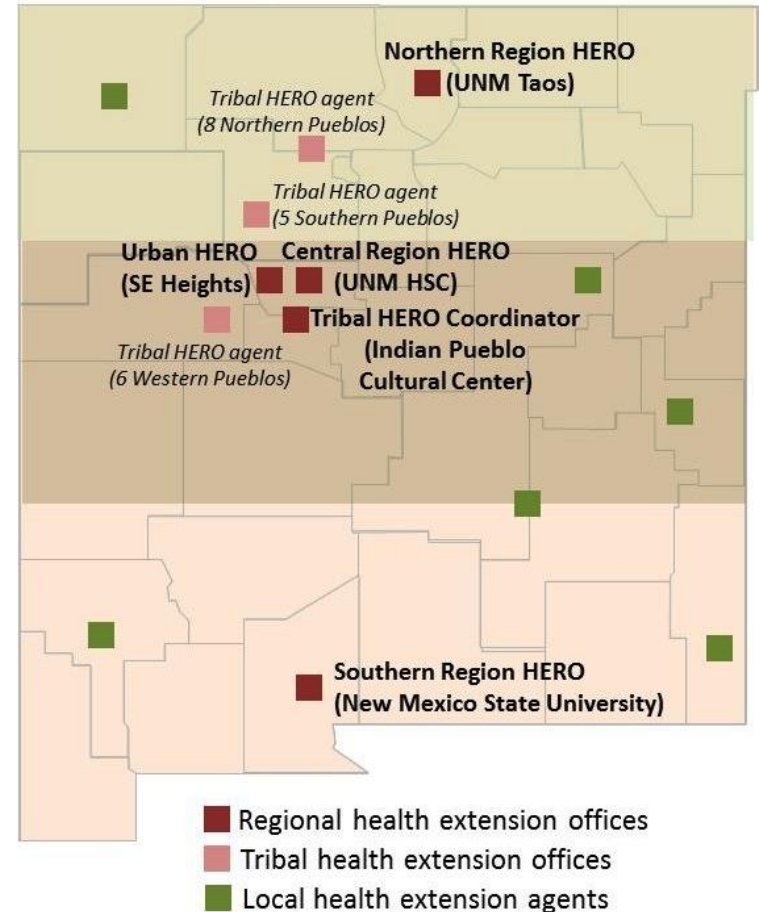
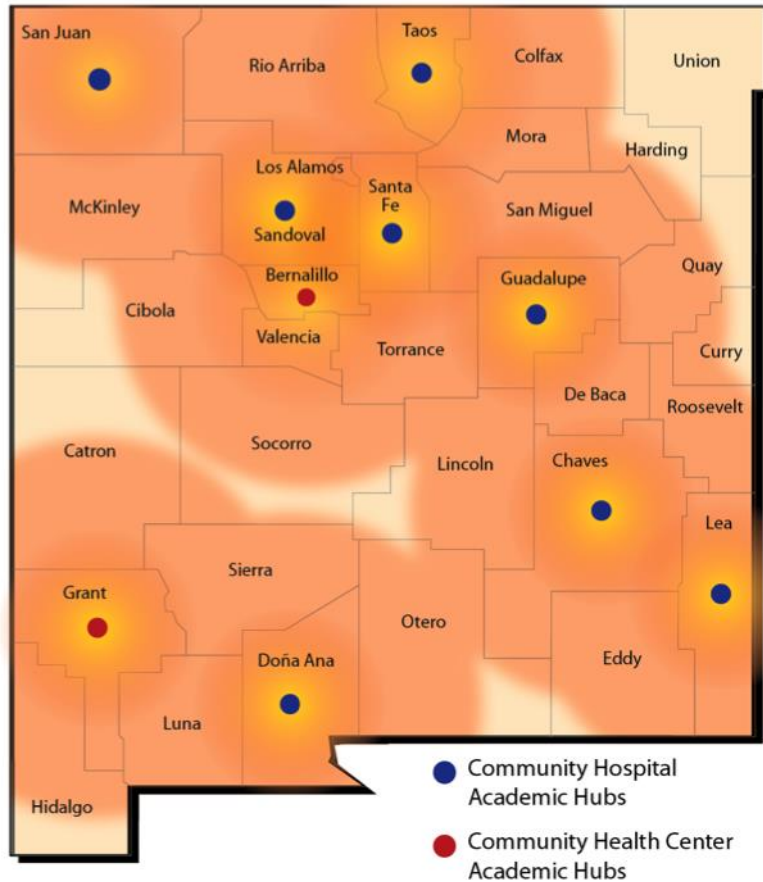


Attracting Graduates to Underserved Communities

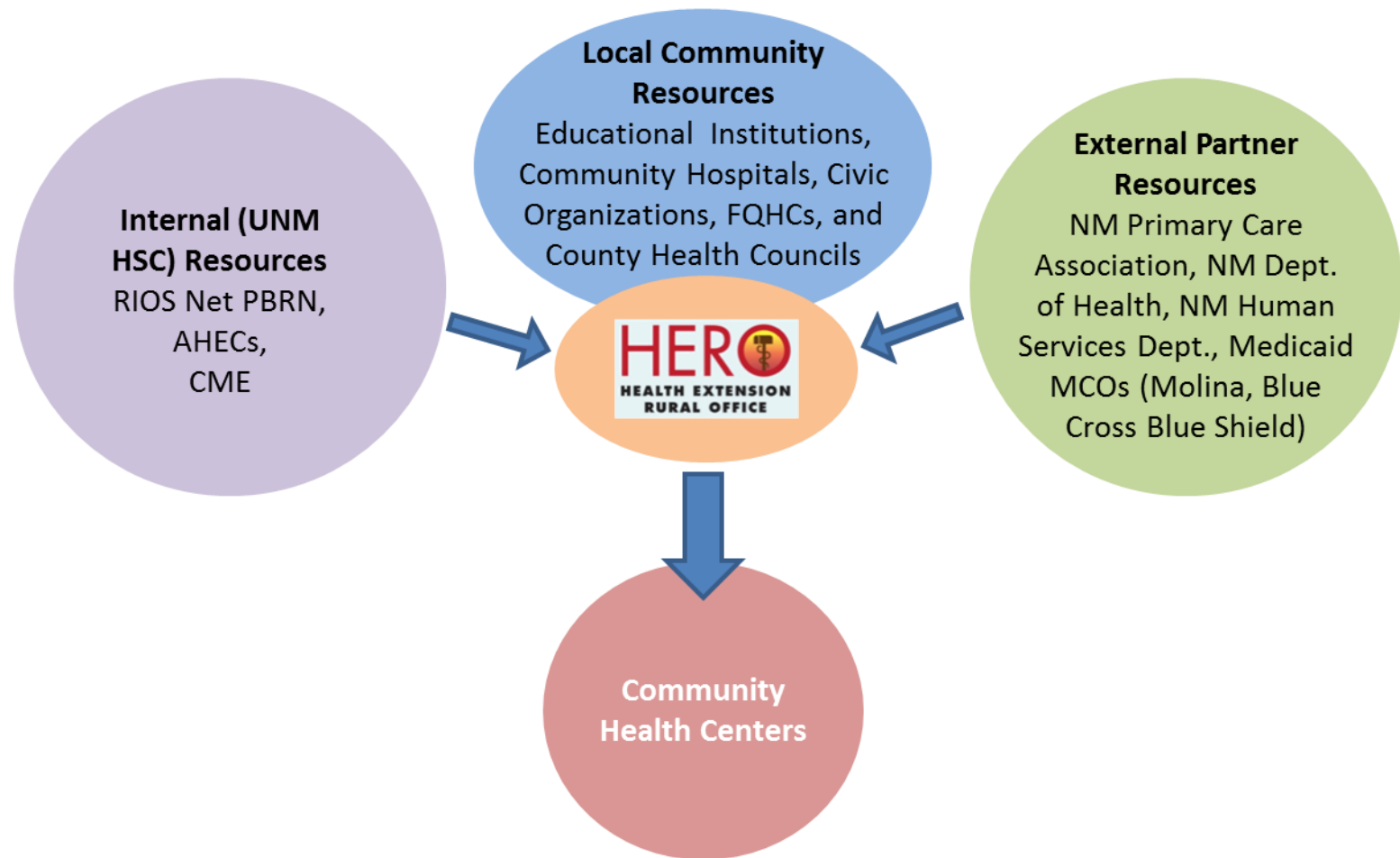
- Create Community-Based Academic Role
- Link Community-Based Education with Innovations in Service, Research
- Offer Frequent Practice Relief
- Link to electronic medical library
- Create Community “Academic Hub”



Location of Regional/Local HERO Agents and UNM HSC Academic Hubs



Regional Academic Extension Hubs



Example of Determinant and Outcome Tracking in State

Determinants/Outcomes	2010 Value	2010 Rank	No 1 State ('11)	To move up 3 states	What this means for us
Primary Care Physicians (Number per 100,000 population)	113.6	27	191.9	116	About 50 more primary care physicians
High School Graduation (Percent of incoming 9th graders)	59.1	48	89.6	64.1	About 1,500 more students graduating



Vision 2020 Health Outcomes

(2009 to 2014)

- Diversity in med stud body now similar to state- inc 38% to 53% underrep minority
- Immun rates 19-53 mos: 68% to 76%
- Prim Care MD/100,000: 105 to 116
- Nurse Advice Line calls inc to 15,000/mos, diverted ED visits 70%



**Vision 2020 Goal:
WE'RE GETTING THERE!**

New Mexico achieves 4th largest improvement in ranking in the nation-- jumping ahead four states in America's Health Rankings!

STATE	2013 RANK	2012 RANK-REVISED	CHANGE
Wyoming	17	25	+8
Idaho	12	19	+7
Montana	23	28	+5
New Mexico	32	36	+4
New York	15	18	+3

Source: *America's Health Rankings*®—2013 Edition ©2013 United Health Foundation. All Rights Reserved.

