

Addressing Social Determinants in New Mexico:

Vision, Action then Measuring Health Outcomes



Academic Health Centers and the Social Determinants of Health

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“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

- **Important to overcome image:**
 - “University of ABQ”
 - “UNM only present while grant funds last”

- **UNM needs to:**
 - Commit to long term partnerships
 - Build upon local wisdom, leaders, organizations, programs
 - Create single UNM telephone number to help communities and providers navigate the UNM Health System
 - Have full-time presence in all communities like NMSU



Universities & Community Engagement

“Most university-community partnerships are one-sided altruism. The University gives things to a needy community, compensated by warm feelings and a grant until it ends.” – Howell Baum

“Shifting institutional leadership and grant-based funding often relegates community partnerships to boutique initiatives, paraded out when the university needs to demonstrate its engagement bona fides...”

– Mary Jane Brukardt



Establishment of Office for Community Health

- Dr. Arthur Kaufman Appointed Vice Chancellor of Community Health
- Goal: build bridges with community partners
- Programmatic efforts guided by extensive community input, guidance



History of Medical Education Innovation in New Mexico

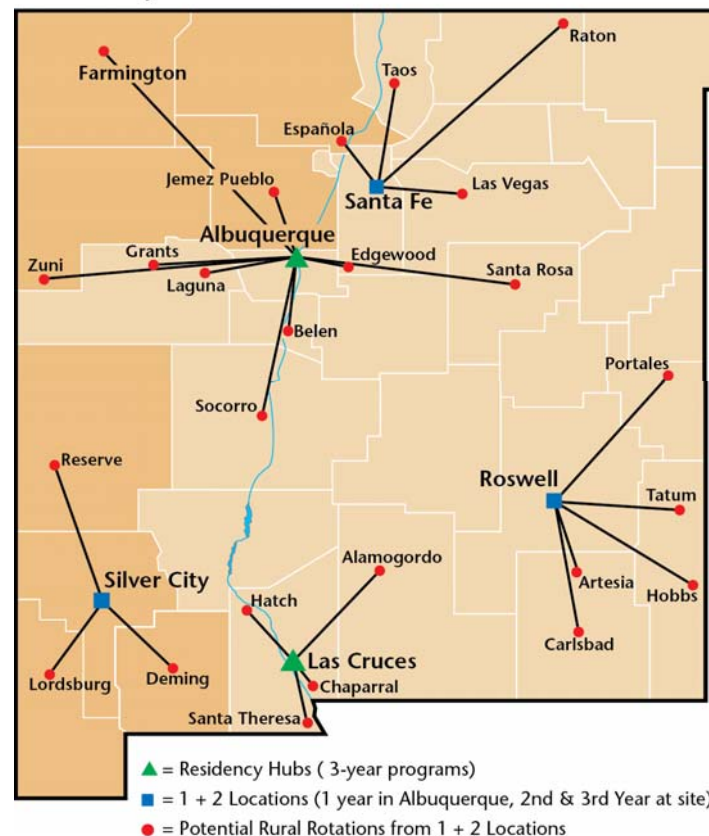
- 1979 Change preclinical curriculum
- 1988 Change clinical curriculum
- 1992 Change residency education
- 1998 Interdisciplinary learning
- 2000 Change clinical practice
- 2008 Integrate public health and medicine
- 2010 Address the social determinants of health, disease



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 work in rural NM

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



UNM Public Health Certificate

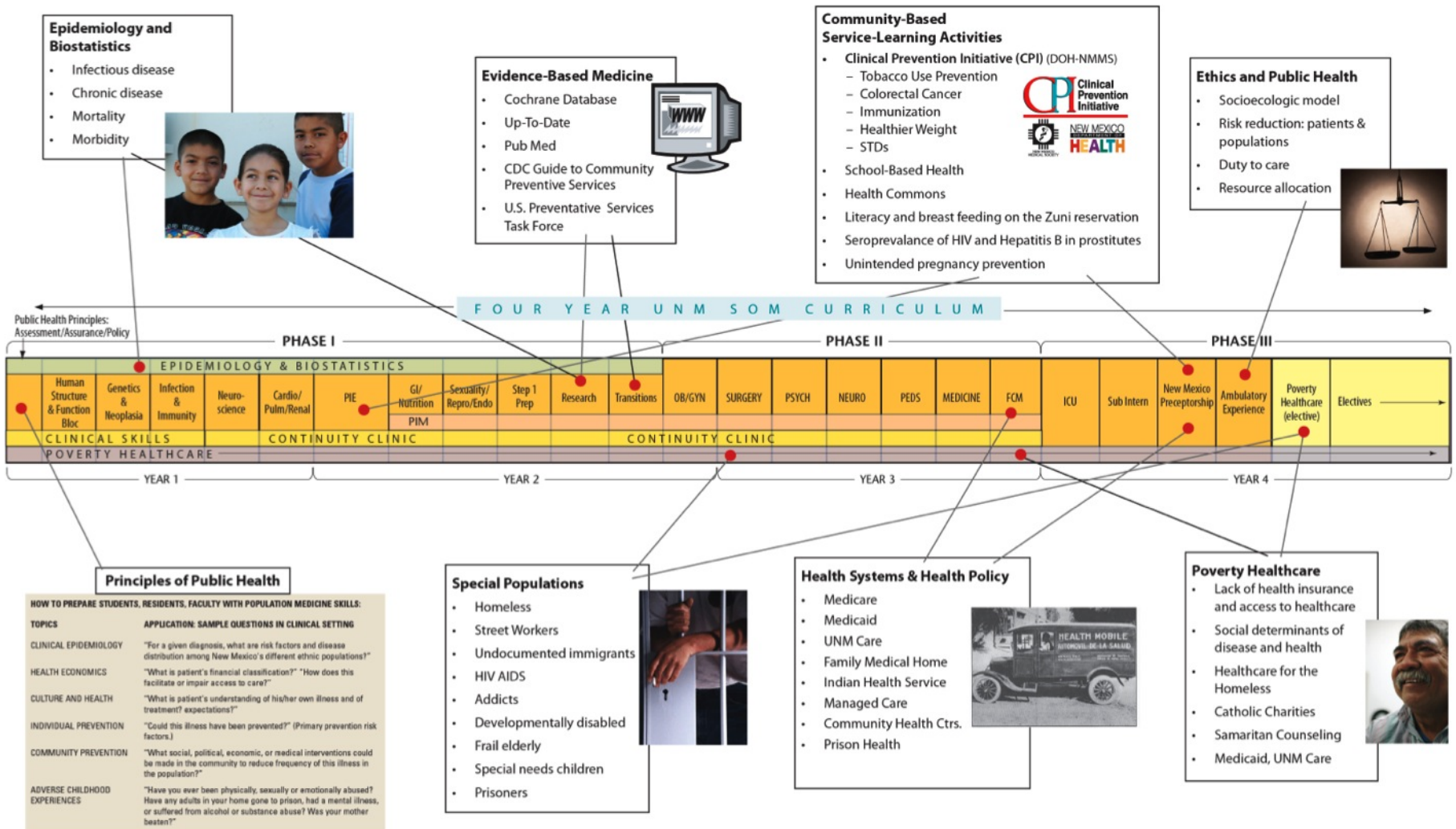


- **Transcribed Courses**
 - 3 credits...Principles of Public Health
 - 4 credits...Epidemiology & Biostatistics
 - 2 credits...Evidence-based Practice
- **Fully Integrated Courses**
 - Health Systems & Health Policy
 - Community-Based Service-Learning Project
 - Ethics and Public Health



How We're Changing Education: Curriculum Relevant to Community Health Public Health Certificate

(17 credits) for all UNM medical students matriculating in 2010



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%

Marc Lalonde (1974)

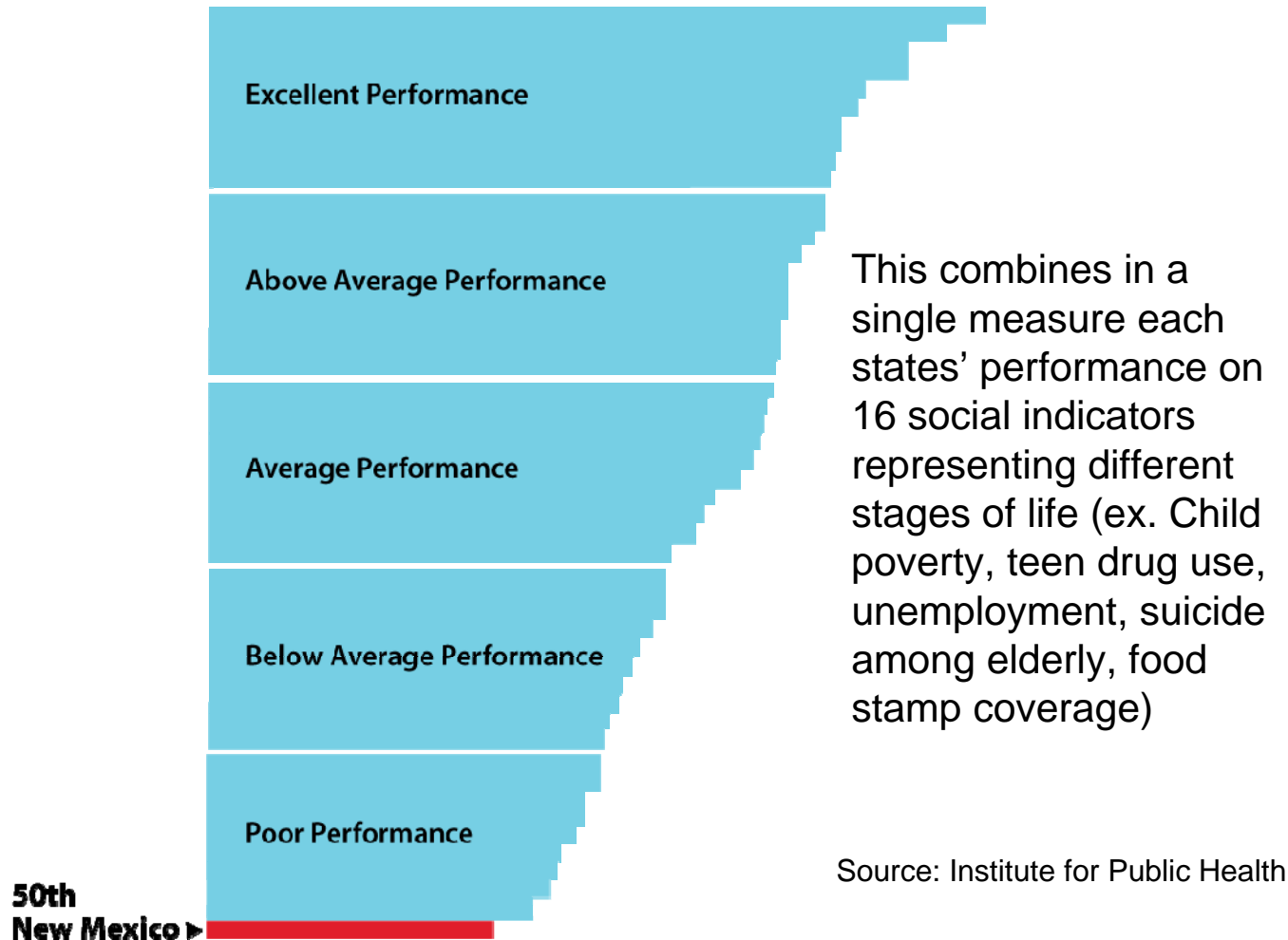


Growing Need for New, Integrated Models of Care

- **“Status One”** – top 5 % of care users consume 50% of resources
- **Social determinants of disease** in high user subset
 - 70% underlying cause of high ER use “behavioral”
 - 70% of “behavioral” is alcohol and substance abuse
- **Intense case management** requires collaboration (medical, behavioral, social, community outreach)



The Social Health of the Fifty States: Where is New Mexico?



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

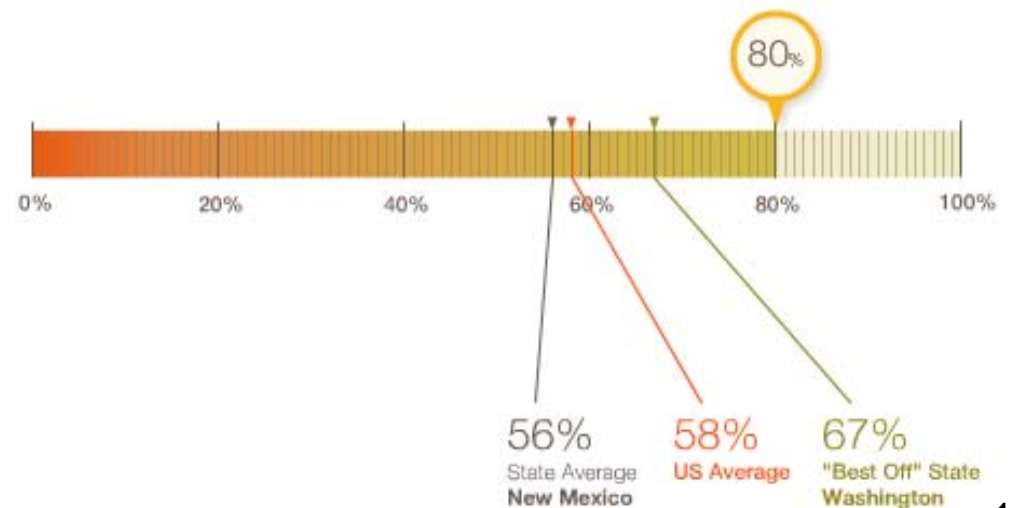
New Mexico Dept of Health 2010 Report on Ethnic Disparities in Health



Education and Health

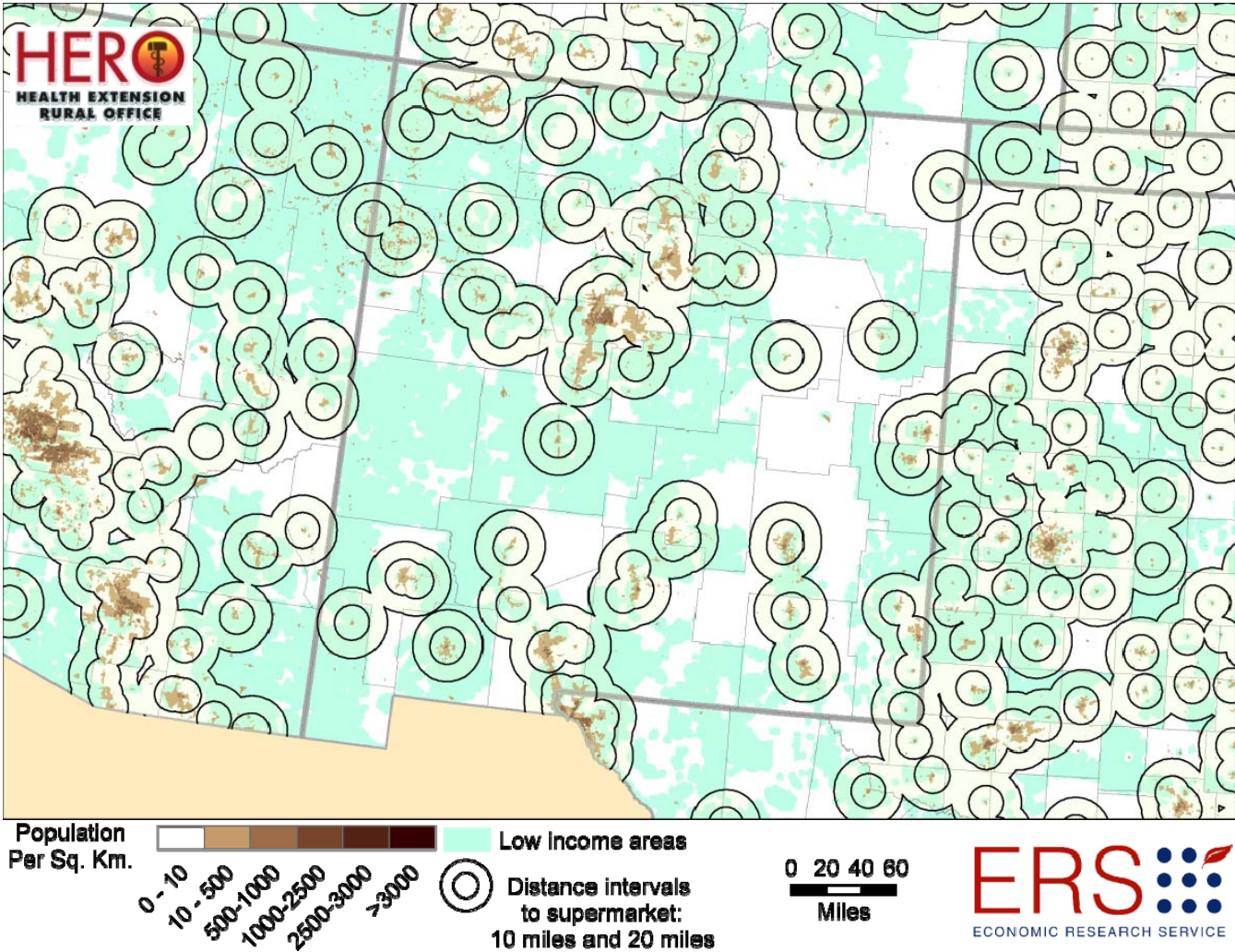
- High correlation of educational attainment and health
- 56% of New Mexicans had some college education (we rank 36th in nation)
- If 24% more (80%) had some college, we would avert 677 deaths/year

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



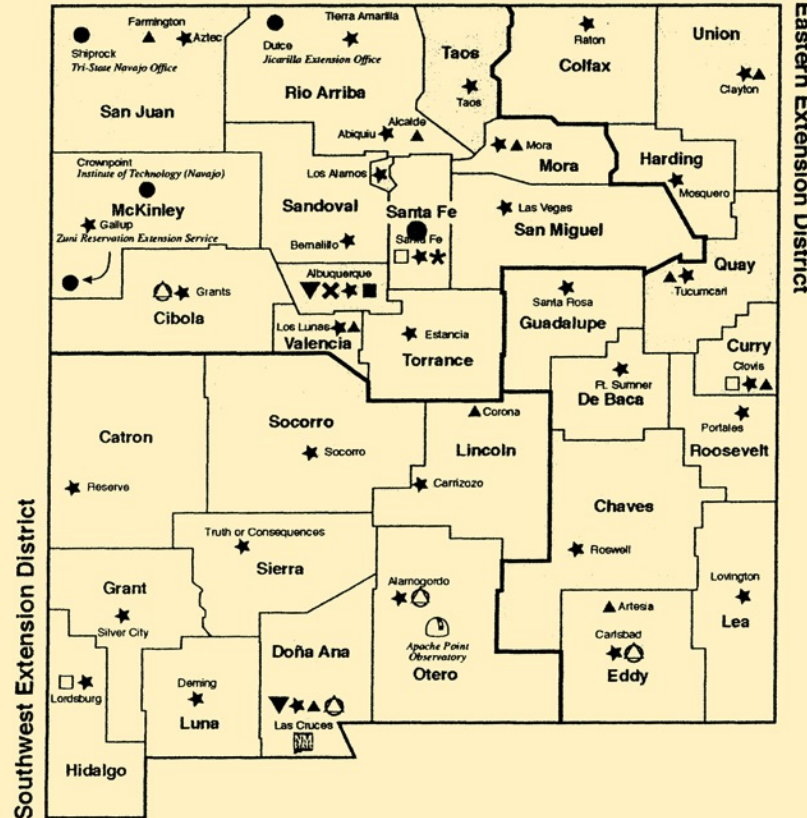
“Food Deserts” in New Mexico

Areas with Limited Access to Affordable and Nutritious Food



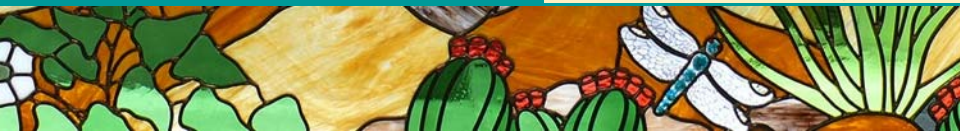
Major Partners: State of New Mexico, USDA
New Mexico Association of Counties

Northern Extension District



Facility Locations

- ★ County Cooperative Extension Service Offices
- ★ Satellite County Offices
- Tribal Cooperative Extension Service Offices
- ▲ Agricultural Science and Research Centers
- ▲ Cooperative Extension Service District Offices
- Cooperative Extension Service Specialists Office
- ★ University Government Affairs
- ⬆ NMSU Branch Colleges
- ✕ Admissions Office
- Santa Fe Ranch Demonstration Site
- Ⓜ NMSU Main Campus
- 🕒 Apache Point Observatory
- ▼ CES/New Mexico Works Program



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

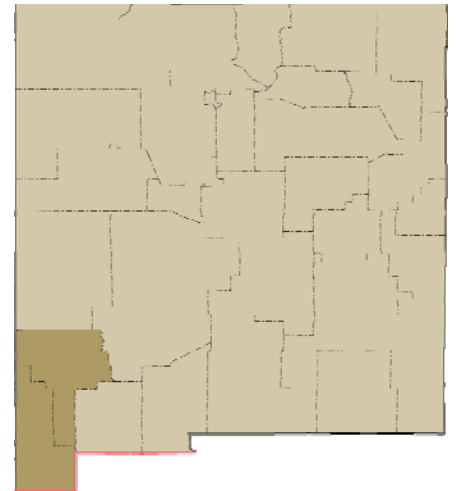
Kaufman, A, et al: Health Extension in New Mexico: An Academic Health Center and the Social Determinants of Disease. *The Annals of Family Medicine*, Jan. 2010, vol. 8 No. 1.



HERO Hidalgo/Grant County

Service

- Telehealth
- Telepharmacy
- Case Manage via Comm Health Workers
- “Health Commons Model”
- “The Hidalgo Initiative”



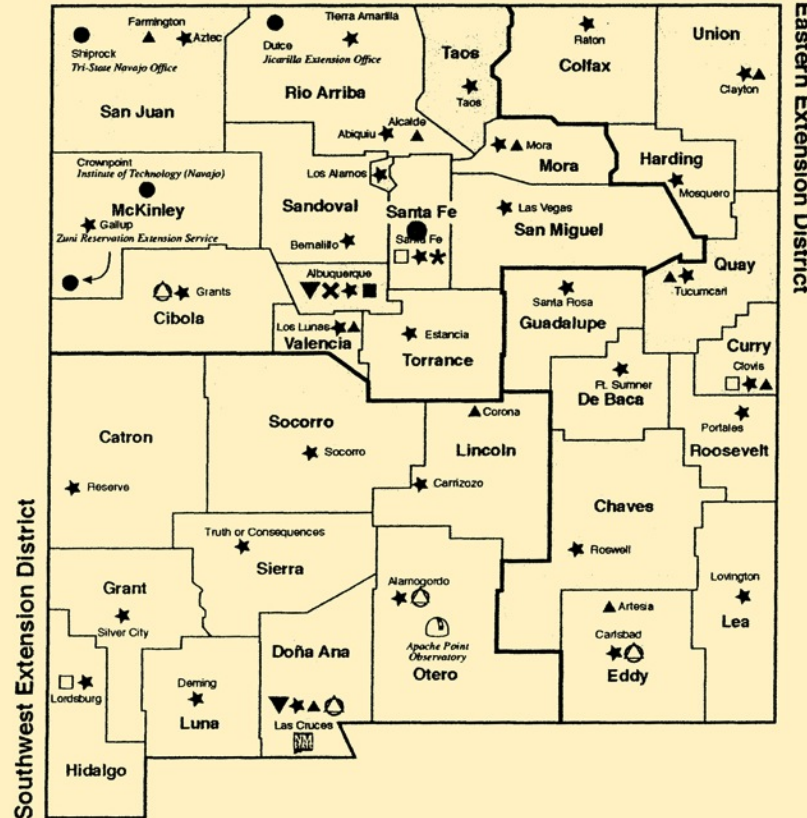
HEROs & AHEC Train Community Health Workers

- **Training Subjects (ex.)**
 - Motivational Interviewing
 - Community Resources
 - Behavioral Health
- **Range of Services Provided (ex.)**
 - Navigation
 - Chronic Disease Management
 - Health Literacy
- **Funding Sources**
 - Managed Care
 - County
 - Research Grants



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Health Extension, Cooperative Extension and CHWs Working Together on Social Determinants

Cooperative Extension gives nutrition classes in primary care clinics

Food Co-op

Economic development

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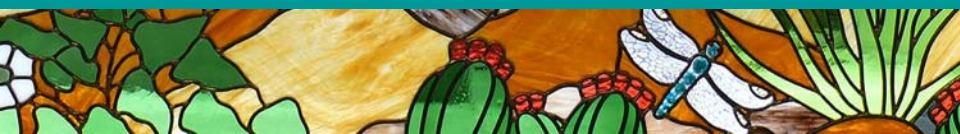
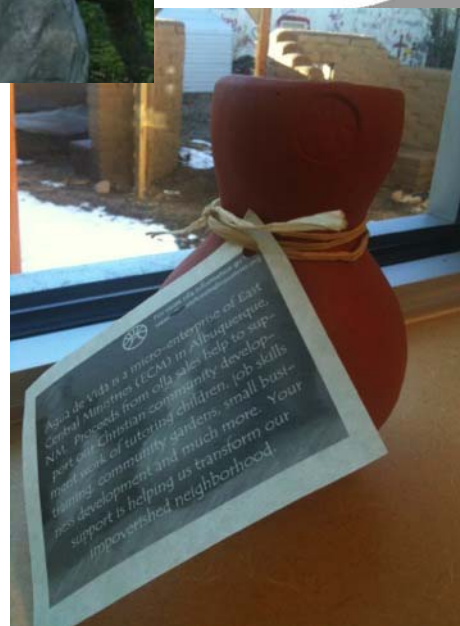
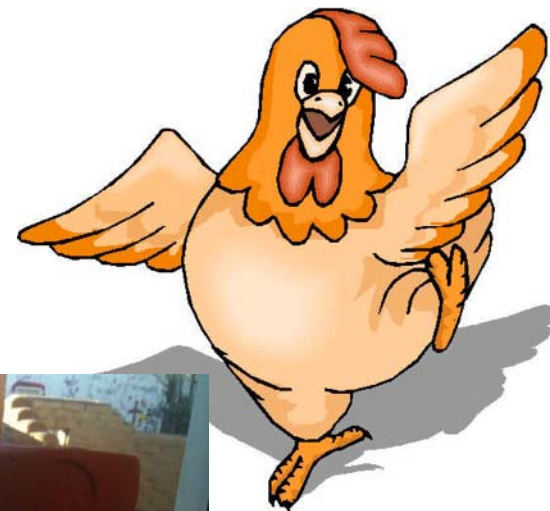
honey

eggs chickens

plants

Housing renovation

Urban Gardening



How We're Changing Research: 2007 Top Health Priorities from 31 County and 6 Tribal Councils (compared with UNM HSC research priorities)

■ County Health Councils' Priorities (in order)

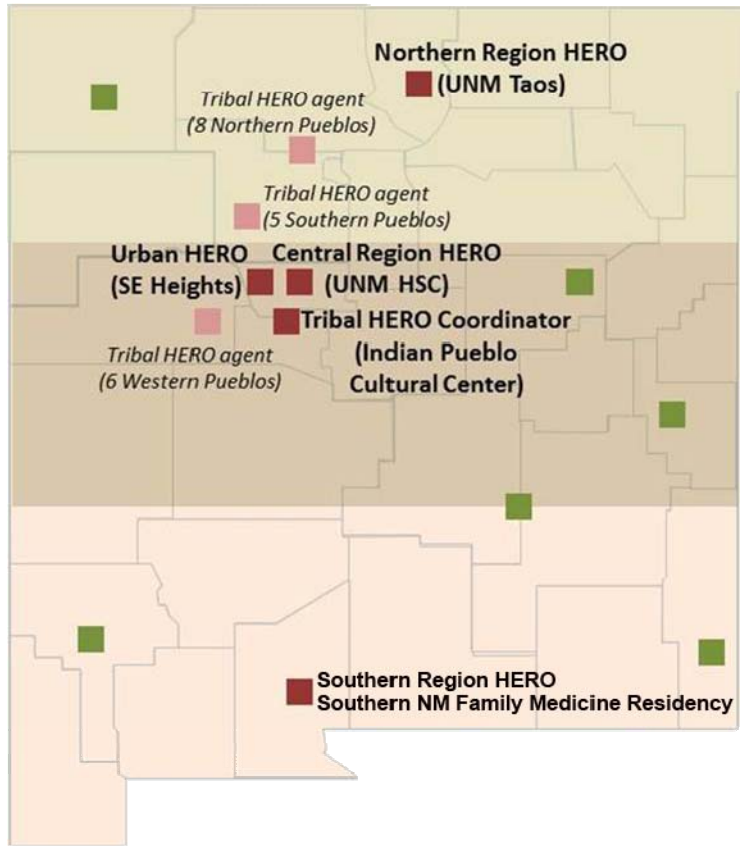
- Substance Abuse
- Teen Pregnancy
- Obesity
- Access to Care
- Violence
- Diabetes

■ UNM HSC Research Priorities ("Signature Programs")

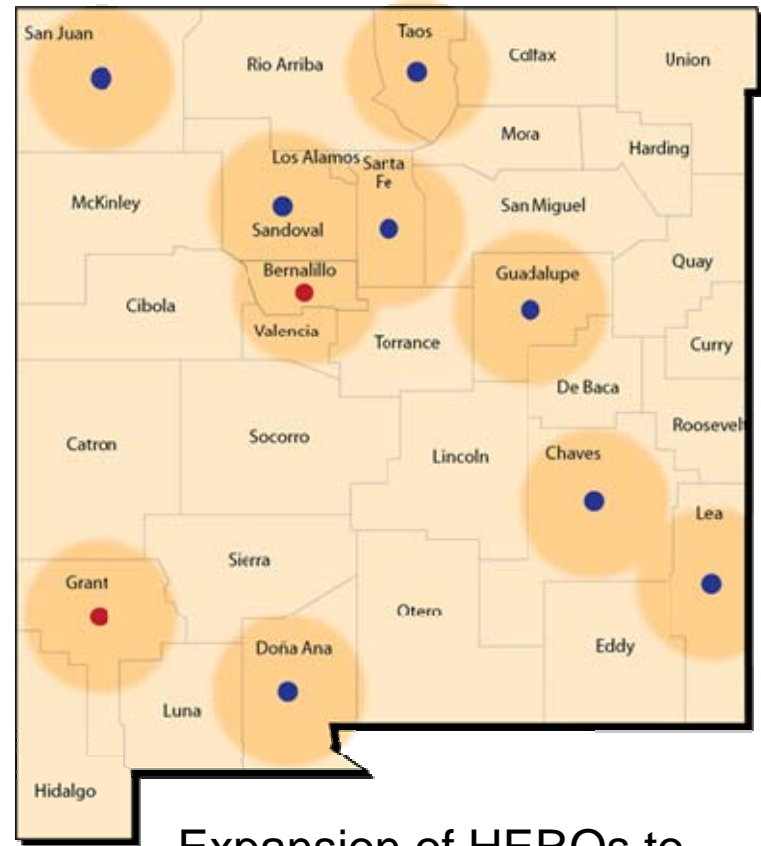
- Cancer
- Cardiovascular and
Metabolic Diseases
- Brain and Behavior
- Infectious Disease and
Immunity



Regional HERO Agents/Coordinators Becoming Regional Academic Hubs



Location of HEROs



Expansion of HEROs to Academic Hubs



Example of Determinant and Outcome Tracking in State

Determinants/Outcomes	2010 Value	2011 Value	2010 Rank	2011 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	113.9	27	27	191.9	116	About 50 more primary care physicians
High School Graduation (Percent of incoming 9 th graders)	59.1	66.8	48	45	89.6	64.1	About 1,500 more students graduating

