Endo ECHO: improving access to care for New Mexicans with diabetes

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NM Legislative Health and Human Services
Committee Meeting

October 6, 2015





The Diabetes Epidemic

1 in 3 adults with DM by 2050 in the US

 Today: HALF of adults in US have diabetes or prediabetes

New Mexico: Higher diabetes rates than the national average

Supply-Demand Mismatch

 ~50% of Americans with diabetes are uncontrolled

 Major shortage of diabetes specialists – projected to worsen over next decade

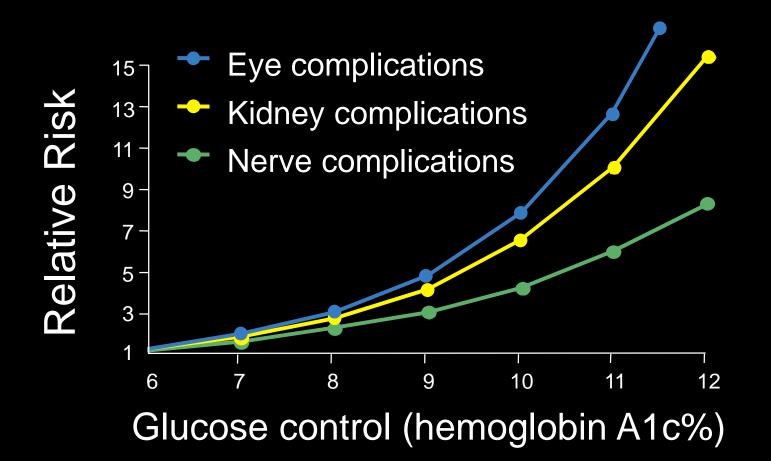
Poor access to care results in poor outcomes in diabetic patients

Poor outcomes in uncontrolled diabetes

Cardiovascular disease

- Heart attack/stroke
- Cause of death in 80% diabetic patients
- Accounts for 30% Medicare expenditures
- Prevalence of >50% of Medicaid patients
- Preventable with timely/appropriate care

Poor outcomes in uncontrolled diabetes



New Mexico: Highest rates of diabetic eye complications

Diabetic Retinopathy Prevalence Rates by State

United States

Prevalence Rate (%): 5.3875

Prevalence: 7,685,237

Total Population ≥ 40 142,648,393

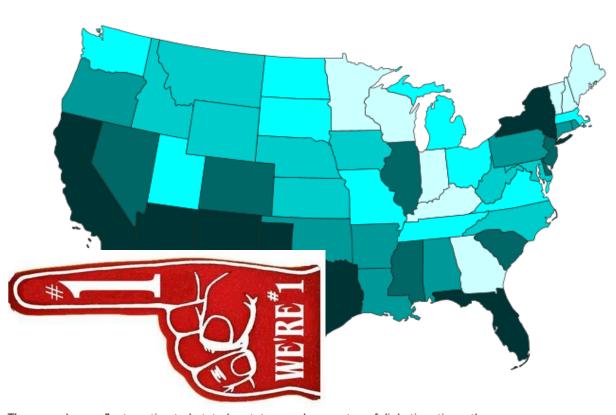
New Mexico

Prevalence Rate (%): 6.6539

Prevalence: 62,974

Total Population ≥ 40 946,420

State Prevalence Rates
0.0550-0.0665
0.0524-0.0545
0.0519-0.0524
0.0512-0.0518
0.0507-0.0512
0.0468-0.0506



The map above reflects estimated state-by-state prevalence rates of diabetic retinopathy. The overall national rate is 5.4% for the U.S. population age 40 and older, indicating that nearly 7.7 million older Americans have diabetic retinopathy. Hover over the map and click on the desired state for the diabetic retinopathy prevalence rate in that state.

Financial burden of uncontrolled diabetes

- Eye complications in New Mexico:
 - >\$100 million/year
- Hemodialysis in New Mexico:
 - >\$350 million/year
- Nerve complications in the US: Up to \$13.7 billion/year



A solution for improving access to care for medically underserved patients in New Mexico

Weekly "telementoring" of rural PCP's by specialist panel at the academic medical center



Inexpensive intervention: Knowledgesharing rapidly expands capacity for quality care of complex diabetic patients



Proven safety and effectiveness

Care of patients
treated by rural
PCPs participating
in ECHO is
comparable to
care received at
the academic
medical center



"Very cost effective"
by World Health
Organization
(WHO) standards

N Engl J Med 2011;364(23):2199-207.

Wong et al. AASLD Meetings 2013.

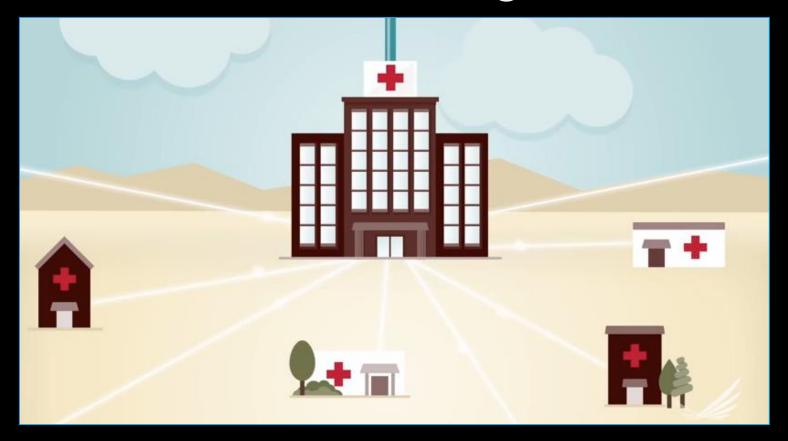
Cost savings



Patients receive high quality care in their communities:

Reduced travel for medical care
Reduced lost work time
Reduced transportation costs

Cost savings



Reduced hospital admissions
Reduced ER visits
Reduced total health care costs

Endo ECHO is designed to meet the needs of the "whole patient" with diabetes

Adult Endocrinologist

Pediatric Endocrinologist

Nephrologist

Social worker



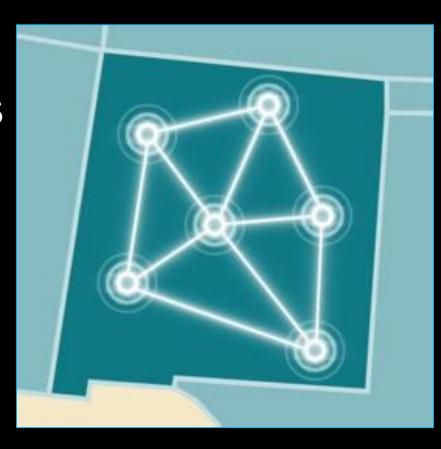
Behavioral Health specialist

Pharmacist

Community Health Worker

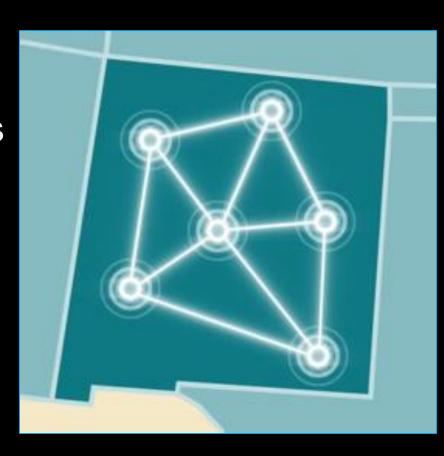
RN/CDE/ nutritionist

Endo ECHO has partnered with clinicians and community health workers (CHWs) at health centers all over New Mexico to improve access to quality diabetes care



Goals of Endo ECHO:

- Improved diabetes outcomes
- Reduced hospitalization rates
- Reduced ER visits
- Reduced health care costs
- Improved patient/provider satisfaction
- Improved capacity to meet the rising demand for diabetes care



Questions?