

# Past Experiences Tobacco & Nicotine Clinical, Research, Training, and Public Health throughout my career – state, national, and global impacts Faculty at Yale, Rutgers, UMass, UCSD, & UNM in Schools of Medicine, Nursing, Public Health, and Biomedical Science Clinical & Public Health Roles: Addiction Psychiatrist, Division, Chair, Service Line, Population Health, President UMMBHS, BOT Hospital, Executive Governing Board for UCSD Health, Government Resources Centers Academic Roles – Associate Vice Chancellor, Chief Academic Officer, Chair, Center Director, and research focus on co-occurring mental illness & addiction Partnerships with Federal; NA Tribes, Nations, and off-reservation Native communities; Veterans Affairs; State; County; City; & Global Initiatives

# Major Areas of Focus

- Behavioral Health Addiction
- Health Care Systems
- Diversity, Equity, Inclusion
- Patient experience and quality
- Education & Workforce Development
- Career Development & Mentoring
- Leadership Development
- Research & Economic Development
- Public Health MPH & Leader in new Schools of Public Health

HEALTH & HEALTH SCIENCES

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TOBACCO

## Addressing Tobacco Through Organizational Change Projects

NJ Statewide Addiction Programs & Prisons

NIDA R01 Study - Community Residential

Legacy Foundation - Club House Model (Consumers / Peer Specialists)

CT Specialized Tobacco Cessation • Outpatient providers, State Network

MA State Hospitals & Residential Facilities

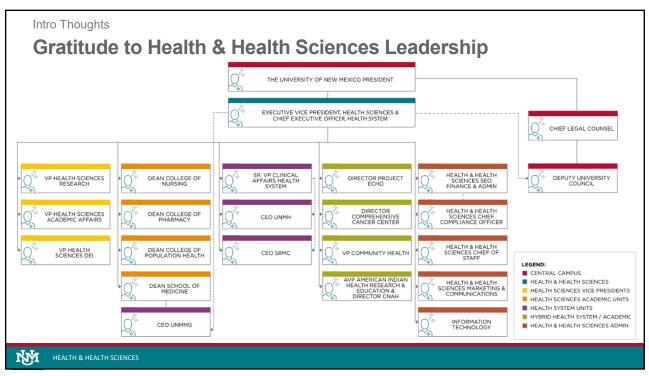
Veterans Affairs Health Care

International - China, Latvia

PA Philadelphia BH Settings - R01 NCI







# UNM is **GRATEFUL** for ongoing support from TSROC and the entire New Mexico Legislature and Governor



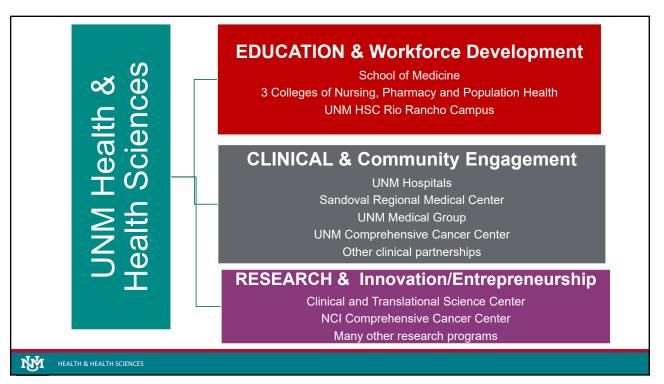
Including but not limited to:

Tobacco Settlement Program Fund Appropriations

952) University of New Mexico HSC	FY21	FY22	FY23
Instruction and general purposes	\$563.2	\$398.7	\$581.5
Research in genomics and environmental health	\$907.9	\$642.9	\$937.4
Poison control center	\$571.6	\$404.9	\$590.2
Pediatric oncology program	\$242.0	\$171.3	\$250.0
Specialty education in trauma	\$242.0	\$171.3	\$250.0
Specialty education in pediatrics	\$242.0	\$171.3	\$250.0
	\$2,768,7	\$1,960.4	\$2.859.1

- The construction of the UNM Comprehensive Cancer Center (UNM CCC) as it exists today
  was funded by revenue bonds issued pursuant to SB 804 (2003) and helped UNM CCC
  become one of the nation's premier NCI-designed Comprehensive Cancer Centers, a very
  small group of the nation's best centers.
- The new cancer center radiation vault was funded by SB223 (2021) (extending the cigarette tax bonding authority for UNM CCC)

HEALTH & HEALTH SCIENCES



My Daily Three Critical Questions
1. How might we "improve the health of all New Mexicans in New Mexico?"

\* Community based, public health, and clinical settings

2. How might we increase and retain the New Mexico workforce in health care & health sciences?
3. How might we increase Health Science research and research collaborations across UNM & NM to enhance health discoveries and further economic development?

## **Diversity & Inclusive Excellence:** A core value & critical in all missions **Native American Community** Office of Native American Affairs SRMC & 638 Partnerships UNMH Native American Healthy Services • Center for Native American Health (CNAH) · AVC & Director Dr. Tassy Parker and Tribal Relations Liaison Norman Cooeyate **Hispanic Community** African American Community Asian American Pacific Islanders Community LGBTQIA+ Ableism **Rural Community Background** Veterans Many others NM M

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Intro Thoughts

# **Health Equity Summit**

### Health Equity & Health Inequities:

- Have the opportunity to attain your full health potential & not be disadvantaged because of social position or other socially determined circumstances.
- Inequities in length of life; quality of life; rates of disease, disability & death; severity of disease & access to treatment.

### **Terrific Leaders for Summit & Other Initiatives**

### Addressing Individual and Community Social Determinants of Health

- · SDOH, ACEs, Multi-generational Traumas, links to other areas in society (education, etc.)
- Prevention & Public Health
- · CERNER EHR, Social Referral Teams & Social Referral Technology

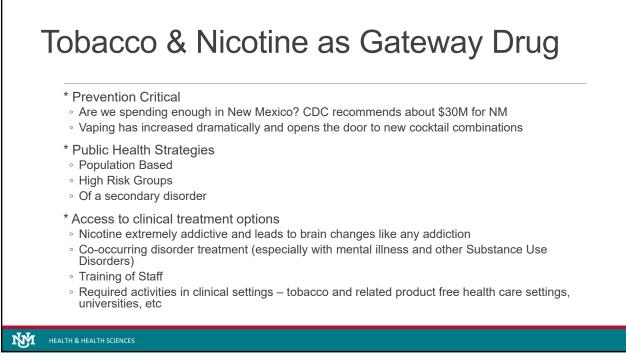
#### **Enhancing the Patient Experience**

- Cultural Humility & Navigating the Health System
- Community Health Workers, Virtual Health, Peer Support & Other Strategies

## HEALTH & HEALTH SCIENCES

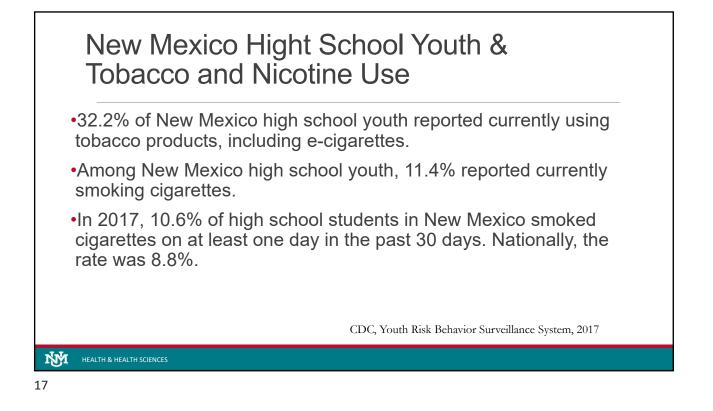


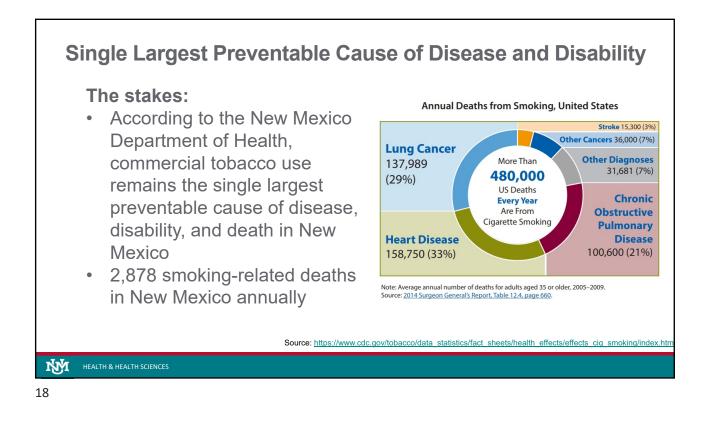






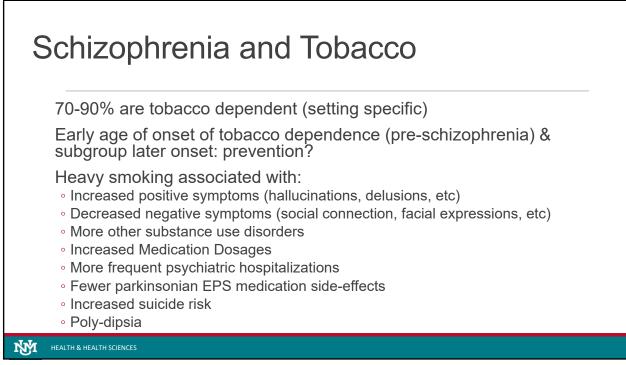


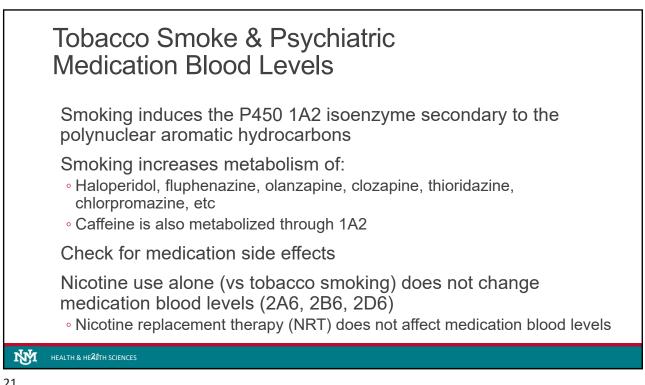




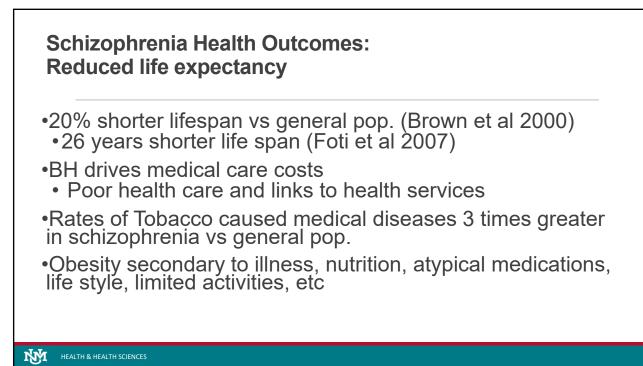
Need to Address Tobacco Amongst Individuals with
Mental IIIness & Addiction (Behavioral Health & All Settings)
<ul> <li>Very high rates of tobacco use disorders (TUD)</li> <li>USA: 50 to 95% in clinical settings <ul> <li>Consume 44% of all cigarettes</li> </ul> </li> <li>Globally: 42 studies / 20 nations; OR 1.9 – 6</li> </ul> <li>Increased Morbidity &amp; Mortality <ul> <li>Health Disparities (Cardiac Disease, Lung Cancer)</li> <li>Higher risk of poor outcome with COVID</li> <li>25 years shorter life span in public sector</li> </ul> </li> <li>Other impacts: <ul> <li>Finances (25% of discretionary funds), housing, employment, insurance, relationships, etc</li> </ul> </li> <li>Fight Stigma and Health Disparities</li> <li>Promote Wellness and Recovery</li>
NM HEALTH & HEALTH SCIENCES





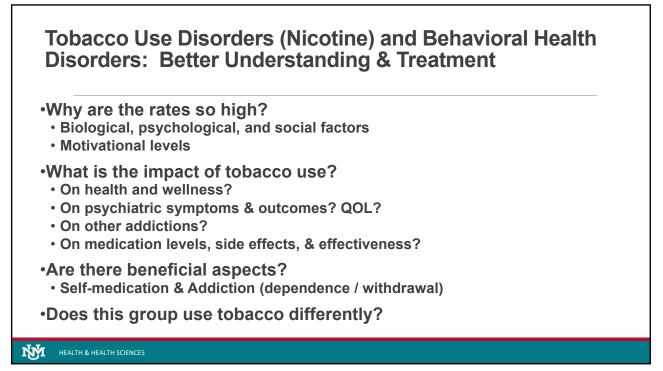


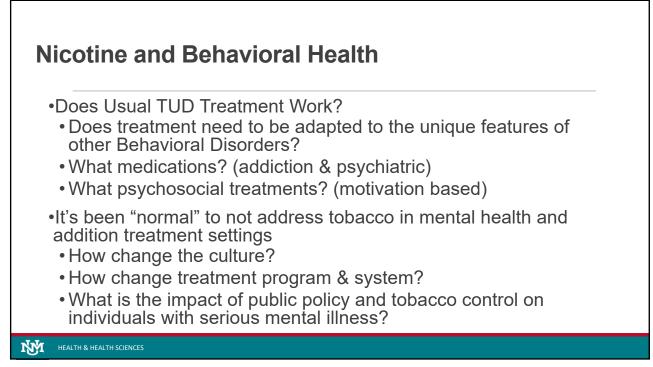




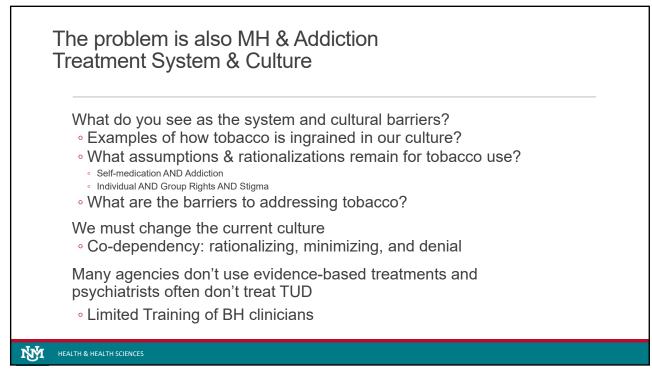
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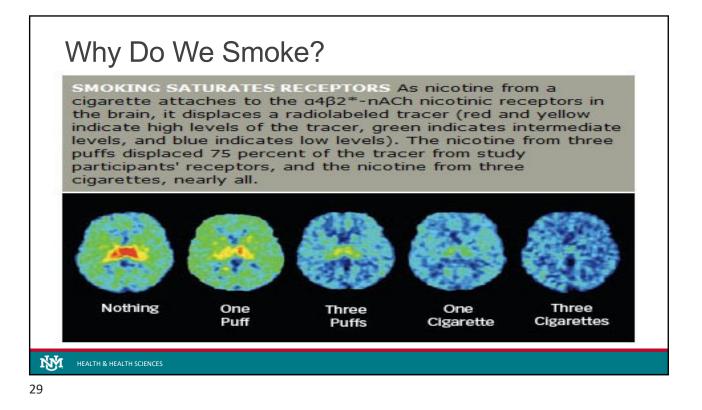


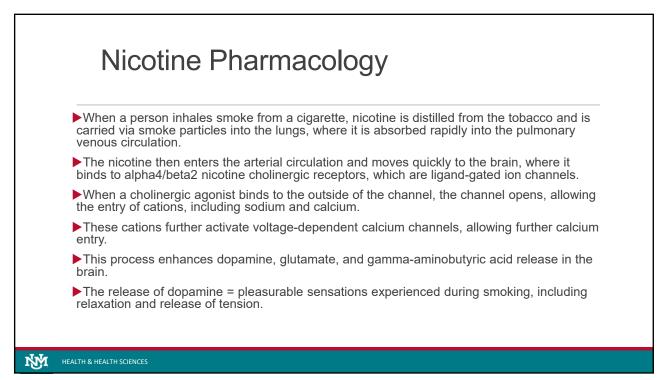


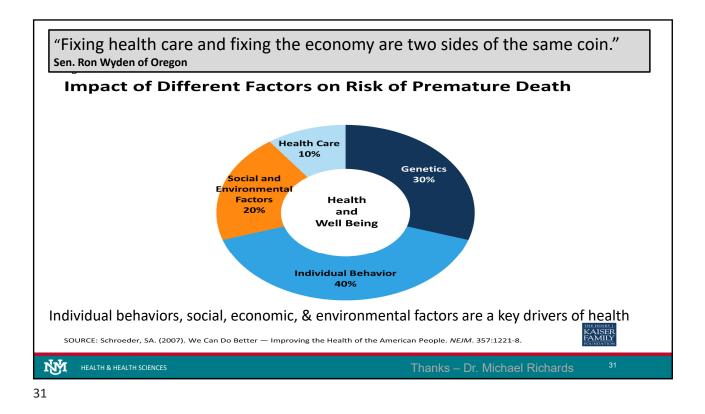


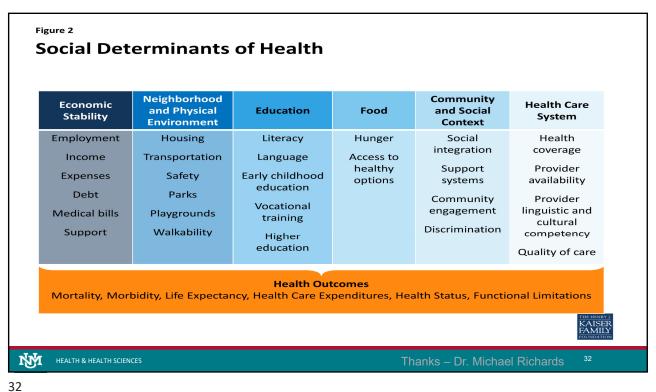


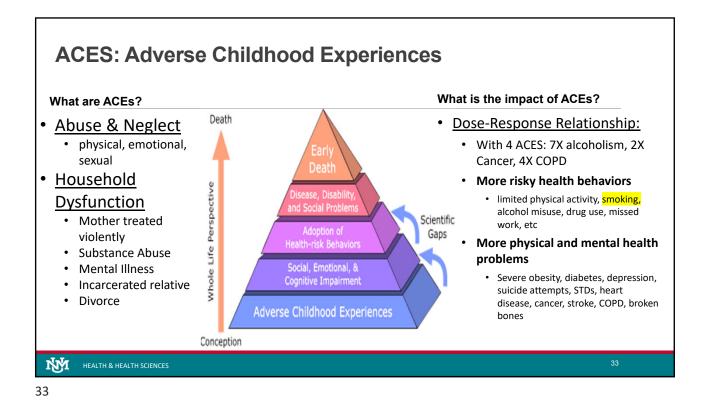


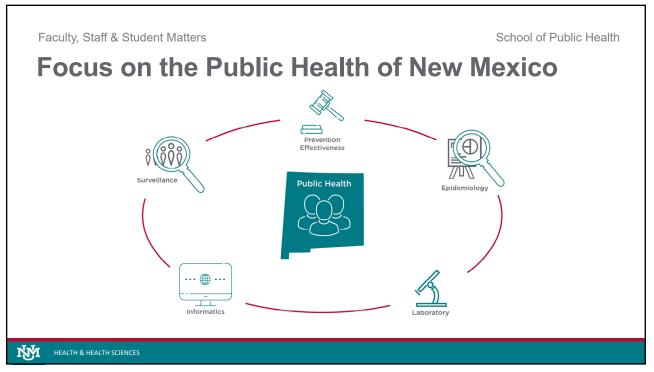


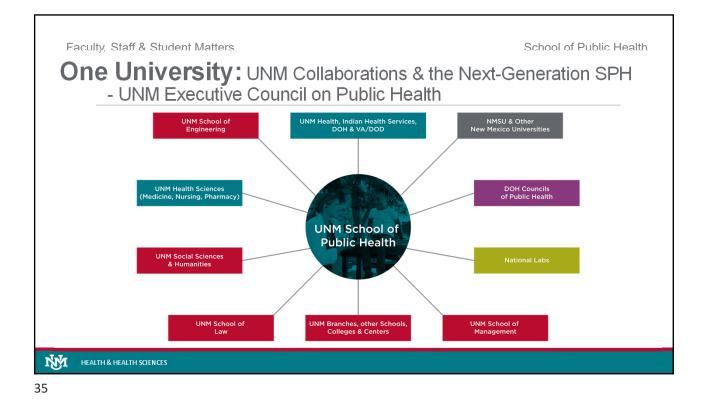


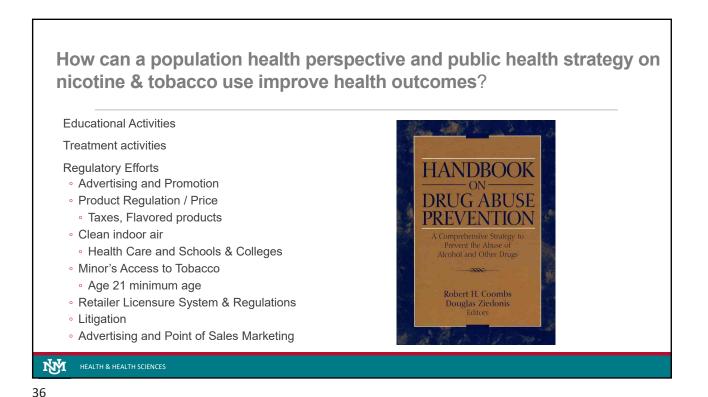










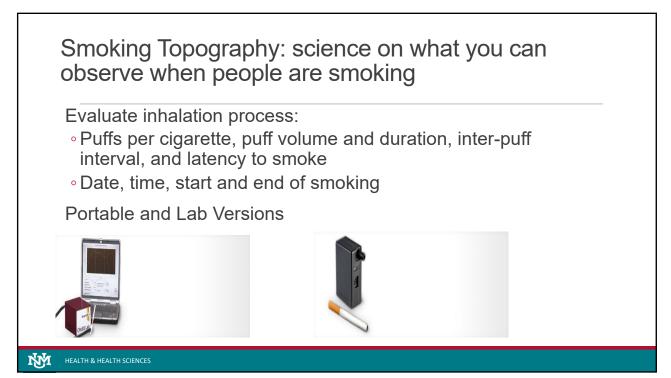


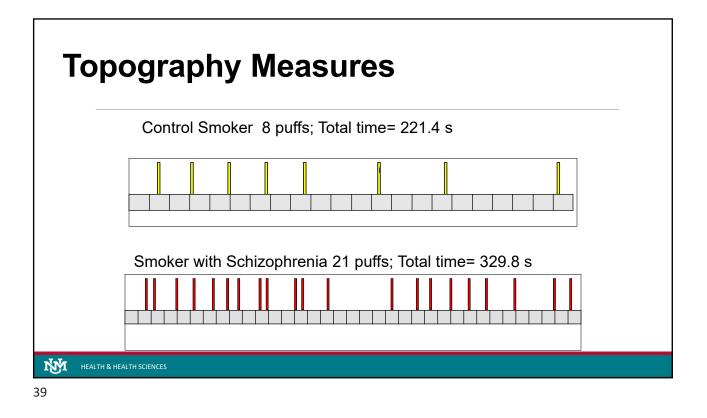
## **Other Strategies:**

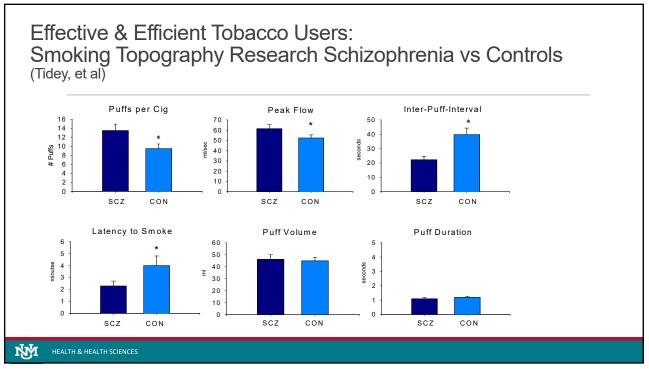
- Mass media/communications strategies to inform the public of tobacco and nicotine dangers and alert them to available options for cessation
- Building effective partnerships with health authorities (NMDOH, HSD etc.) and private-sector partners (health plans, employers)
- Building authentic relationships with disadvantaged communities and local community leaders and influencers

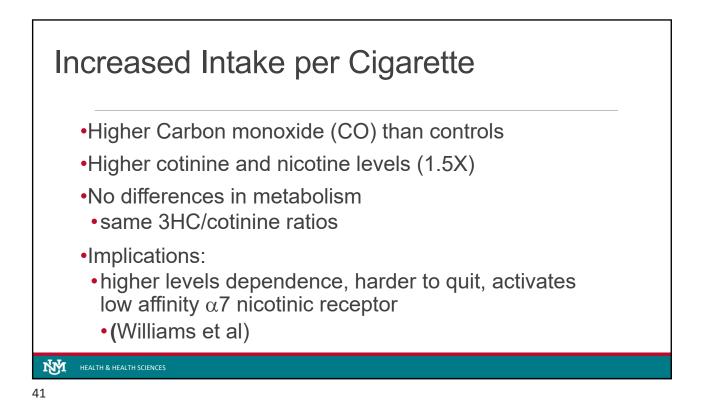


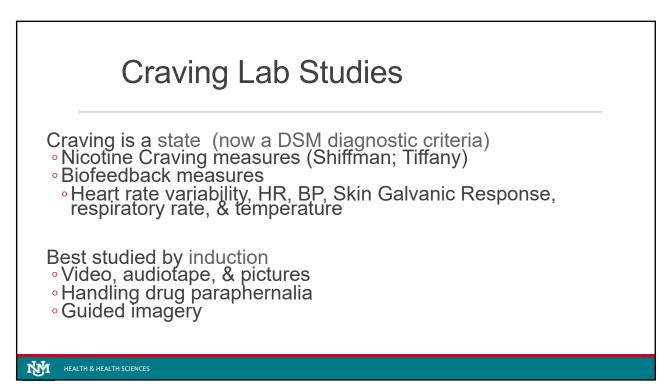
## HEALTH & HEALTH SCIENCES

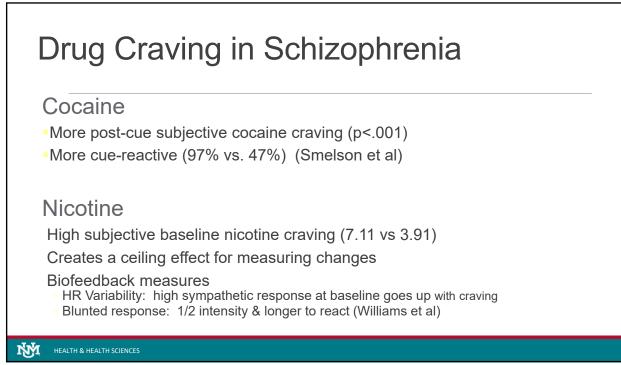




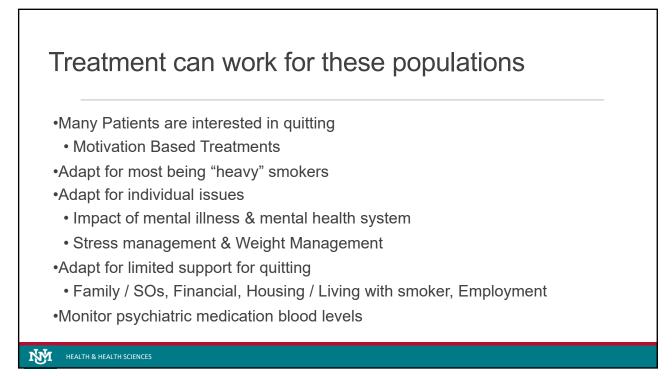


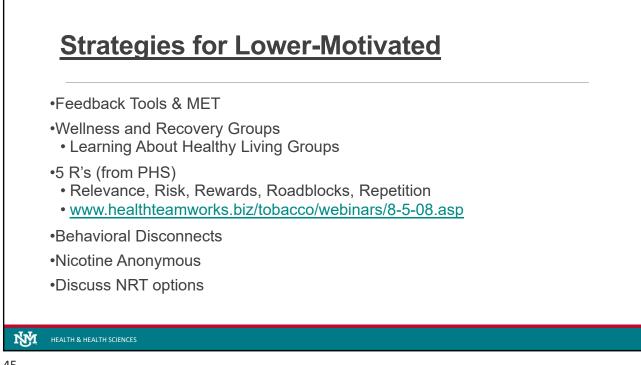




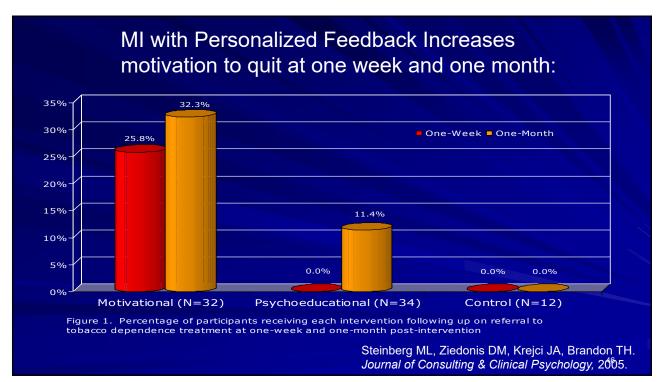












# Personalized feedback: what mattered

- Carbon Monoxide Meter score and feedback
  - Big impact on patients
  - Short & long term benefits to quit
- Yearly Cost of Cigarettes
- Medical conditions affected by tobacco
- Links with other substance abuse & relapses





A Wellness Approach to Addressing Tobacco in Mental Health Settings: Learning About Healthy Living

American Journal of Psychiatric Rehabilitation 12:4, 352-369, 2009

Williams, J.M., Ziedonis, D.M., Vreeland, B., Speelman-Edwards, N., Zechner, Michelle R., Williams, M.T., Rahim, R., Karmi, L., Molnar, M., and Eilers, R.

# Strategies for Higher Motivated

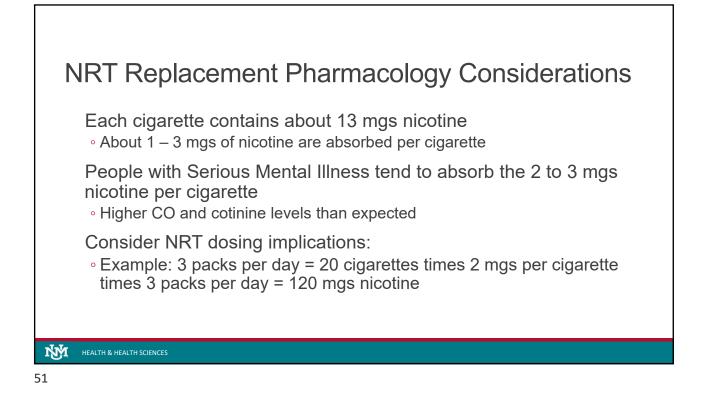
- 7 FDA approved Medications
- Five NRTs
  - patch, gum, spray, lozenge, inhaler
- Bupropion
- Varenicline

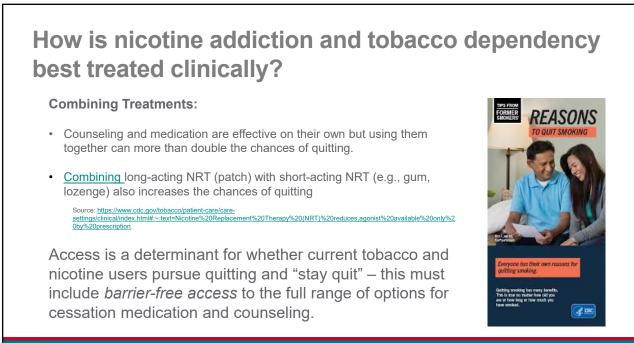
Psychosocial treatments

- Cognitive-Behavioral therapies
- Mindfulness Based Interventions
- Social Support

**Community Resources** 

## HEALTH & HEALTH SCIENCES





Real progress on insurance coverage for tobacco cessation benefitting the New Mexico Medicaid population: Assure Standardized Approach for each successful Medicaid Vendor (in RFP and monitored in contract) Medicaid Coverage of Cessation Treatments (In effect as June 30, 2022 (n=51)) Individual Group Nicotine Nicotine Nicotine Nicotine Nicotine Nicotine Bupropion Varenicline Comprehensive State Counseling Counseling Patch Gum Lozenge Inhaler Coverage Spray New Mexico Varies Varies Yes No Yes Yes Yes Yes Yes Yes As of 2020, all three of New Mexico HSD's accountable managed care organization partners – Western Sky, Blue Cross Blue Shield and Presbyterian – offer tobacco cessation medications and counseling services under this program for Medicaid recipients enrolled with them. The smoking cessation coverage includes medications such as: varenicline (CHANTIX®), bupropion, nicotine lozenges, nicotine patches, nicotine gums, nicotine sprays and nicotine inhalers. It also includes individual counseling, group counseling, and a Cessation Quitline. The services do not require prior authorization and do not have any limits on the length of treatment or quit attempts per year. The program also allows participants to try multiple treatments and does not impose any requirement to enroll into counseling. nsd.state.nm.us/wp-content/uploads/PressRelease/2f473c14ee654f868b5a25b3cfd15a6d/PR Smoking Cessation 1 28 20.pdf NM.

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## SELECTED EARLY MEDICATION STUDIES IN SCHIZOPHRENIA

		Treatment	Outcomes
Ziedonis/ George, 1997	Schizophrenia or SA Disorder	10 week group +/- 21mg patch	<b>13%</b> abstinent at 12 weeks
Addington et al., 1998	Schizophrenia or SA Disorder	7 week group +/- 21mg patch	<b>16%</b> at 12 weeks
George, Ziedonis et al., 2000	Schizophrenia or SA Disorder	21 mg/day patch and 2 group conditions	56% on atypical abstinent 22% on typicals
Weiner et al., 2001	Schizophrenia or SA Disorder	Bupropion 300 ACS group	None abstinent Reduced CO
Evins et al., 2001	Schizophrenia	Bupropion 150 and CBT group	11% at 12 weeks
George et al., 2002	Schizophrenia or SA Disorder	Bupropion 300 vs. placebo	50% at 1week; <15% long-term abstinence
Williams , Ziedonis, et al., 2004	Schizophrenia or SA Disorder	21 vs. 42 mg/ patch plus individual	<b>16 %</b> abstinent at 8 weeks; Doses no difference

# Atypicals versus Typical Antipsychotics

Schizophrenia and TUD

Clozapine helps spontaneously reduce tobacco use (especially heavy smokers)

- George, Ziedonis et al, 1995; Marcus et al, 1995; McEvoy et al, 1995

Better tobacco dependence outcomes with atypical versus traditional antipsychotic medications (George, Ziedonis, et al 2000)

# EAGLES Study

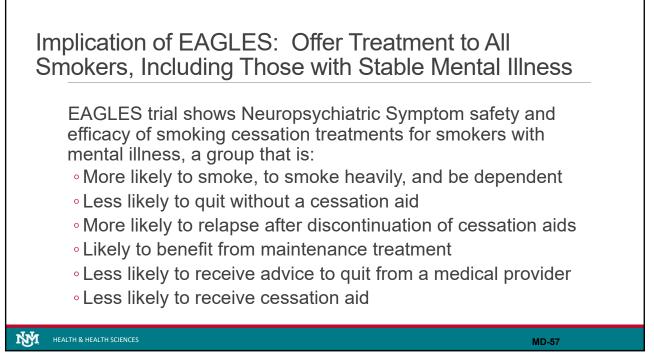
The EAGLES trial is the first:

- To compare safety and efficacy of all 3 FDA approved smoking cessation therapies in large samples of patients with and without a history of psychiatric disorder
- To allow for comparison of safety and efficacy of smoking cessation aids in smokers with different mental illnesses
- Study population is representative of patients seen in primary care and in community mental health settings

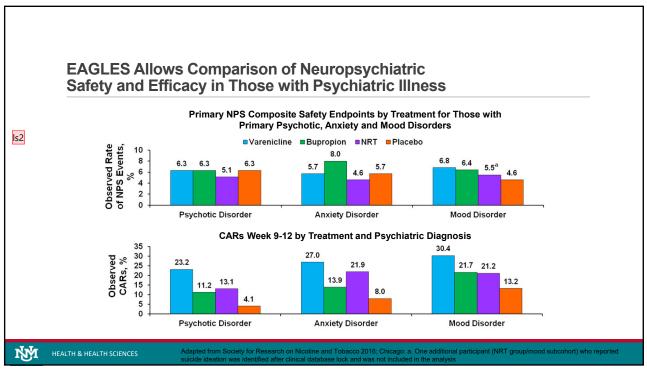
EAGLES is a Confirmatory Trial for Efficacy

EAGLES Quantifies Neuropsychiatric symptoms Risk Across Treatment and Cohort

A. Eden Evins, MD, MPH

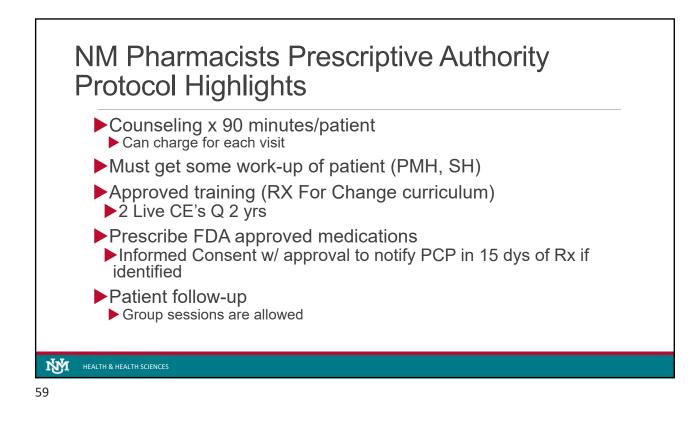


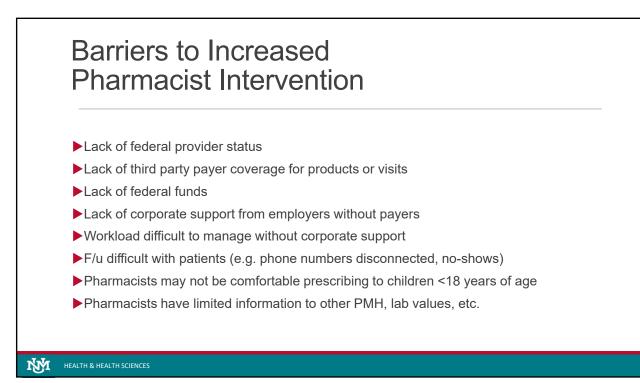


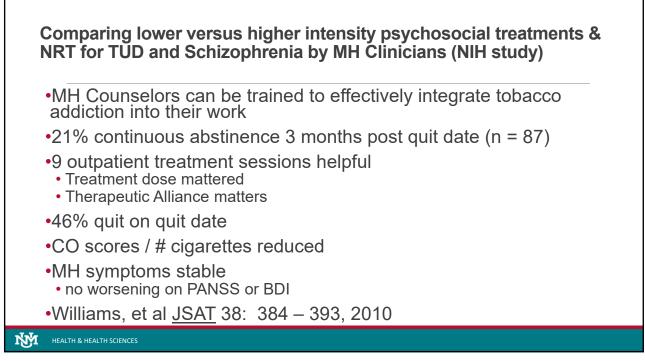


## Slide 58

**Is2** Change the y-axis of the top graph to 0-35%, like the lower graph to properly put the comparison in perspective. samuelsl, 9/5/2016

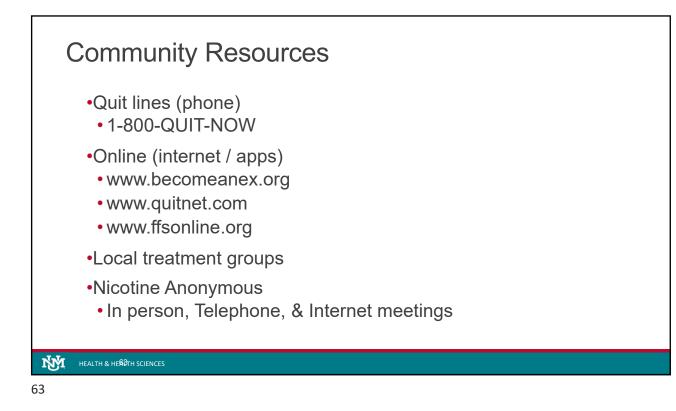


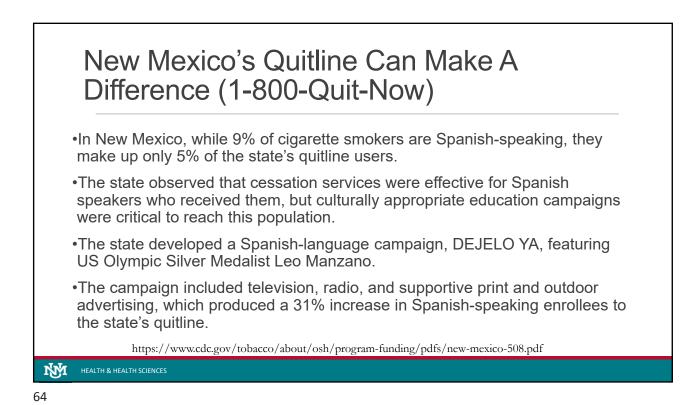


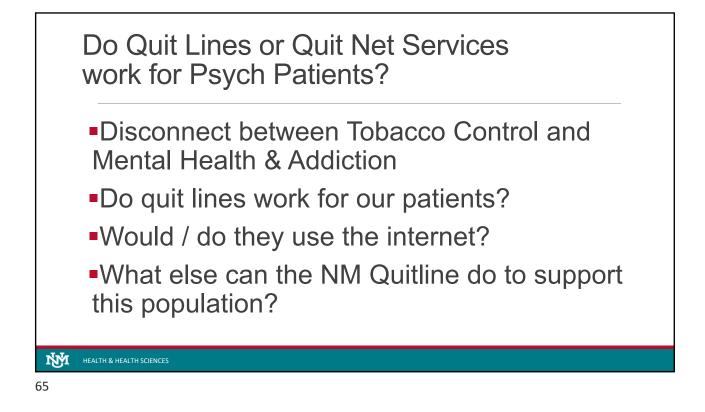


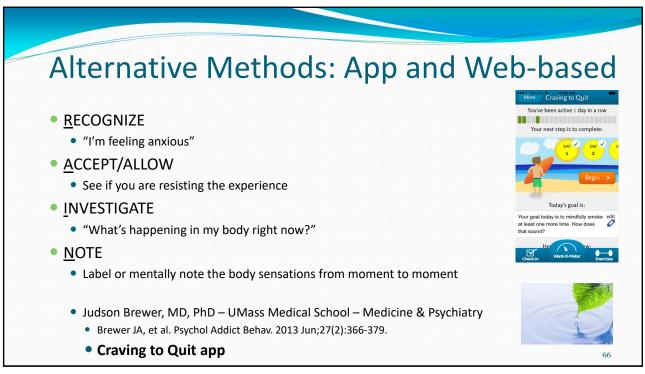


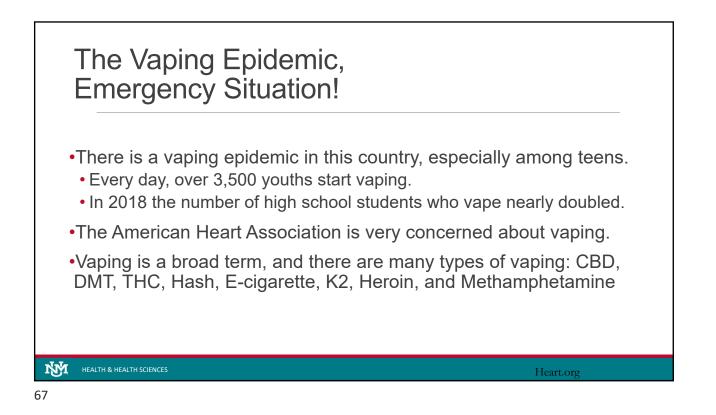




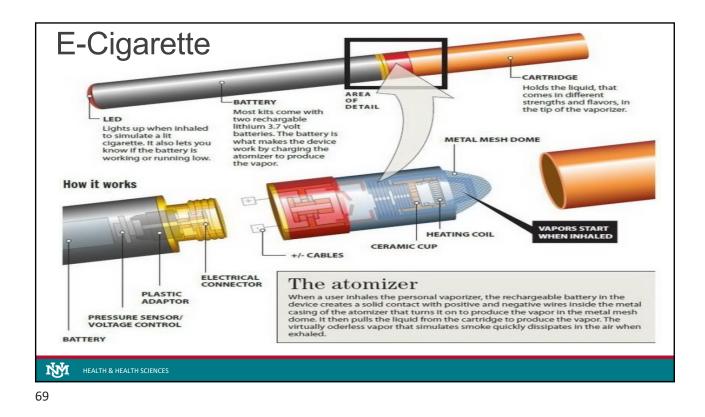


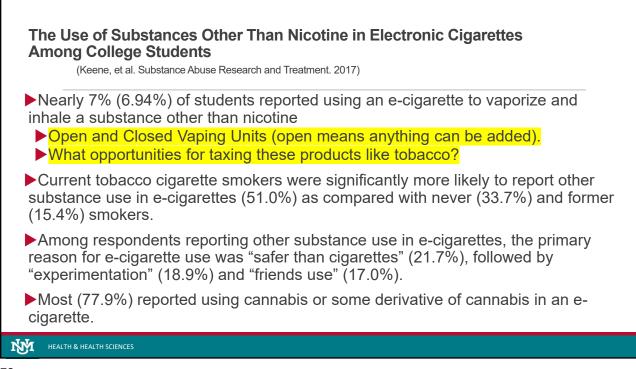


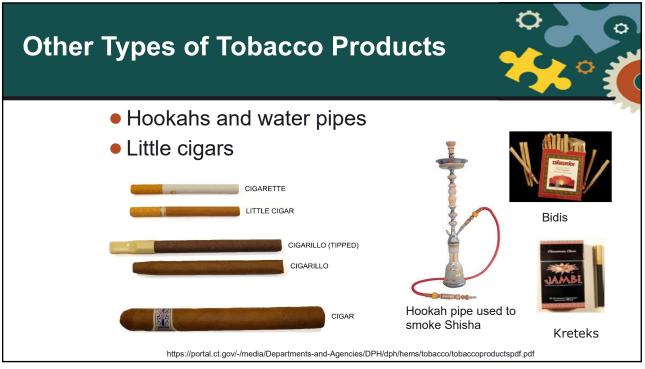












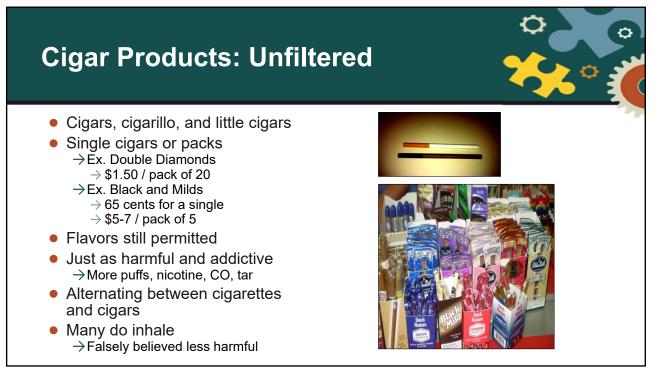


# **Snus: Unfiltered**

- 20 pouches for \$2.50-\$5.00
   →8 mg nicotine/pouch
- All major tobacco companies have recently purchased smokeless tobacco companies
- Not advisable as a harm reduction or cessation aide
- American Snus vs. Swedish Snus
   →Strong manufacturing, marketing, regulation differences



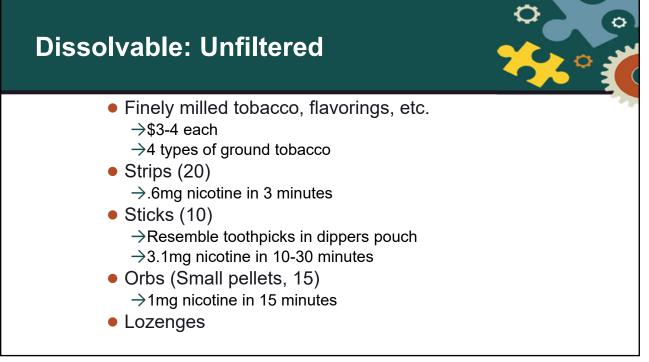
Snus for sale at local airport terminal

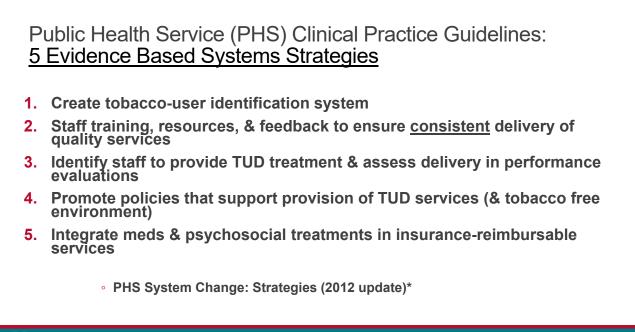


# **RYOs (Roll-Your-Owns): Unfiltered**

- From 2007-2008
   →Cigarettes ↓ 4.2%
   →RYO ↑ 14.9%
- Sold as "pipe tobacco" to be cheaper
   →RYO ↓ 61%
  - $\rightarrow$ "pipe" tobacco  $\uparrow$  233%
- Higher levels of
   →Carbon monoxide
   →Nicotine
  - →Tar







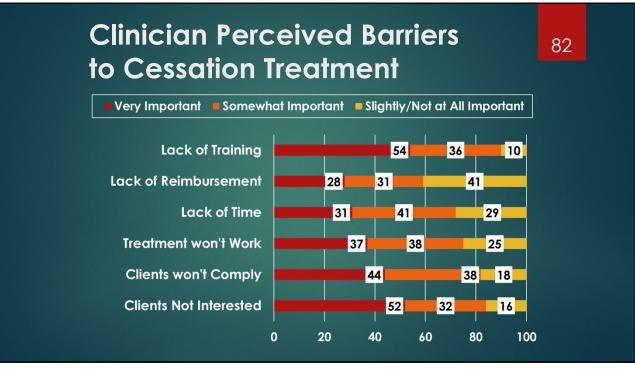
# Health System and Agency Level Organizational change solutions are being implemented

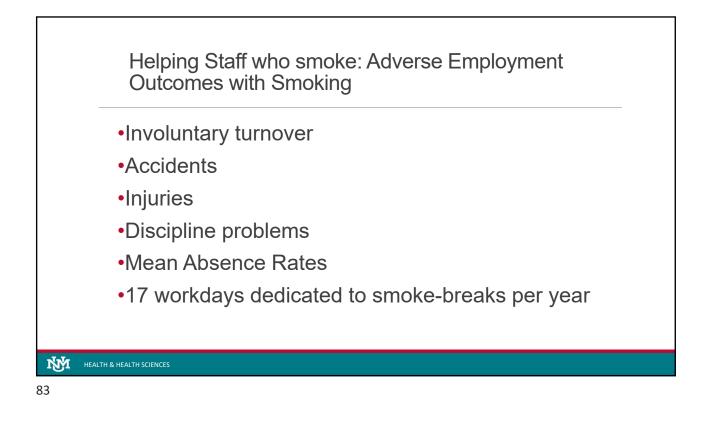
- •Addressing Tobacco Through Organizational Change (ATTOC)
- •Wellness & Recovery Orientation
- •Provide staff with:
  - •New information & resources
  - Evidence that the intervention will make a difference
  - Support to make the changes
  - •Clear goals and leadership
  - •Opportunity to share their ideas

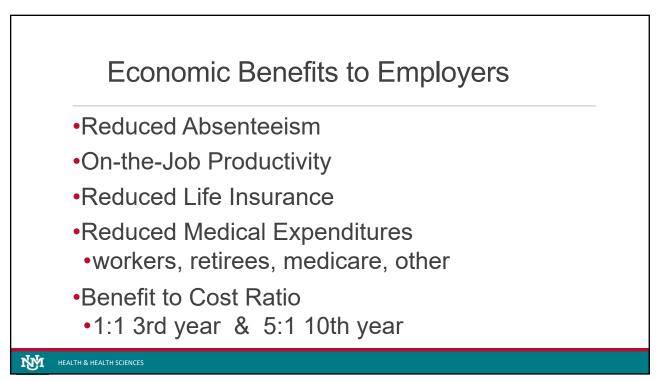
HEALTH & HEALTH SCIENCES

	Systemic and Cultural Bar	riers & Possible Solutions
	<u>Barriers</u>	<u>Solution</u>
	Lack of <b>resources</b> to treat to smoking and patients with limited resources	Integrated treatment within Wellness Programs, linkage to other systems, psychosocial only
	Lack of <b>knowledge</b> for treating smoking	Provision of expert training program
Systemic	Agency allows smoking at facility, limited formulary, etc	Assistance with establishment of smoke-free site and expand formulary
SVS	Staff Tobacco use	Education about effects of staff smoking & help with staff cessation
	Lack of systems to identify smokers and track provision of treatment	Modify existing electronic medical record to assess, track, and treat tobacco use
	Provider beliefs: patiends are low motivated or not interested	Education concerning quit motivation, quit rates, and recognition of the benefits of quitting
Cultural	Provider beliefs: smoking ensures mental stability & cessation worsens outcomes	Education about evidence that smoking cessation does not worsen functioning
O	Provider beliefs: treating smoking is not their responsibility	Site leadership to make provision of tobacco use treatment a responsibility





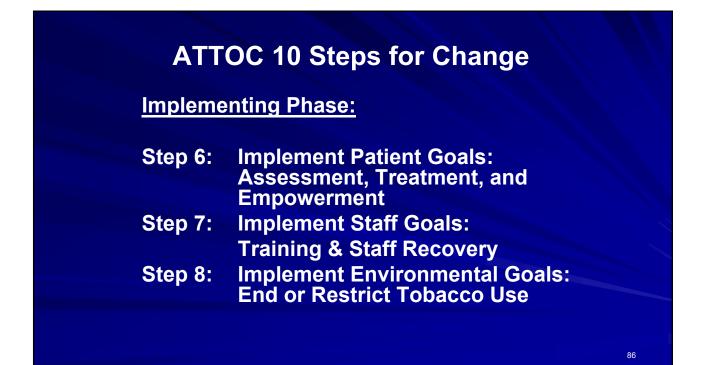




# **ATTOC 10 Steps for Change**

## Planning Phase:

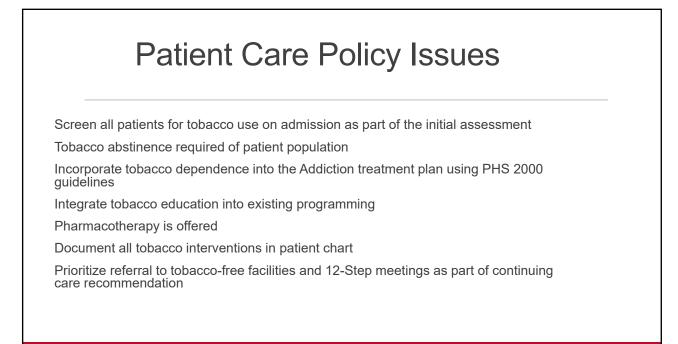
Step 1:	Establish a Sense of Urgency & Preliminary Organizational Goals
Step 2:	Establish a Leadership group and Prepare for Change
Step 3:	Assess Organizational Readiness to Address Tobacco
Step 4:	Develop Written Change Plan & Realistic Time-Line
Step 5:	Develop Written Communication Plan & Materials to Disseminate

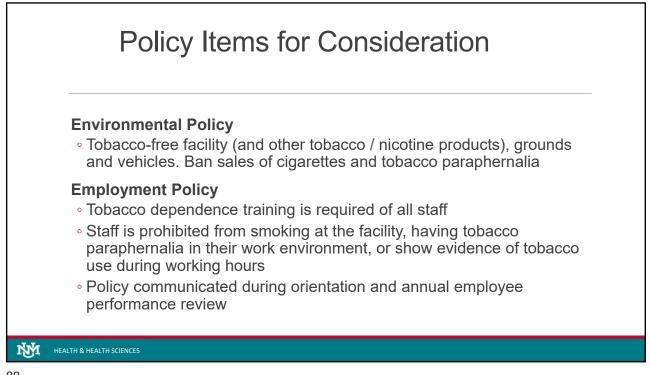


# **ATTOC 10 Steps for Change**

## **Sustaining Phase:**

- Step 9: Document Changes in Policies & Standard Operating Procedures
- Step 10: Support, Encourage, and Sustain Organizational Change









obacco & Nicotine as Gateway Drug
<ul> <li>* Prevention Critical</li> <li>• Are we spending enough in New Mexico? CDC recommends about \$30M for NM</li> <li>• Vaping has increased dramatically and opens the door to new cocktail combinations</li> </ul>
<ul> <li>* Public Health Strategies</li> <li>• Population Based</li> <li>• High Risk Groups</li> <li>• Of a secondary disorder</li> </ul>
<ul> <li>* Access to clinical treatment options</li> <li>• Nicotine extremely addictive and leads to brain changes like any addiction</li> <li>• Co-occurring disorder treatment (especially with mental illness and other Substance Use Disorders)</li> <li>• Training of Staff</li> </ul>
<ul> <li>Required activities in clinical settings – tobacco and related product free health care settings universities, etc</li> </ul>

