



The Tobacco Dependence
Treatment Support Landscape
in Kansas



Acknowledgements

Capstone Committee

- Elizabeth Ablah, PhD
- Rick Cagan
- > Kimber Richter, PhD
- Anne DiGiulio
- Lisa Sanderson Cox, PhD

Other Supports

- Mason Rohleder, MPH
- > Tresza Hutcheson, PhD
- Nathalia Machado, PhD
- > KDHE
- MPH professors + family and friends





Competencies Addressed

Core

- ➤ MPH04 Interpret results
- MPH13 Identify/build partnerships
- ➤ MPH15 Evaluate policies
- MPH19 Communicate
- > MPH22 Apply systems thinking tools

Public Health Management

- PHMC01 Identify/interpret laws/regulations/policies
- PHMC02 Discuss policy process for improving population health
- PHMC03 Identify main components of system
- > PHMC06 Apply leadership and systems thinking





Terminology

Tobacco
Dependence
Treatment

versus

Tobacco Cessation





Overview

x3 Instruments

- Problem
- Research question
- Methods
 - > Instrument
 - Participants
 - Procedures
- Results
- Discussion
- Conclusion





Problem

TOBACCO USE

No. 1 <u>preventable</u> cause of disease and premature death





16 million



Mortality



~480,000





Tobacco Use

US



All forms: 20.8%

Smoking: 14%

KS



All forms: 24.4%

Smoking: 16.2%





Effects on Human Health

HARMFUL

Chronic diseases

(NCCDPHP [US], OSH, 2014)

Reproductive health

(Office on Smoking and Health [US], 2001)

2nd- + 3rd-hand smoke

(Office on Smoking and Health [US], 2006; Ramírez et al., 2014)

Toxic + choking hazard

(Hendlin, 2018; Wang & Rostron, 2017)

Fire hazard

(Ahren, 2019)

Pollutant

(Dobaradaran et al., 2019; Kurmus & Mohajerani, 2020; Lerner et al., 2015; Stigler-Granados et al., 2019)





Effects on Economy



COSTLY

Medical
Expenditures
+
Lost Productivity







Quitting

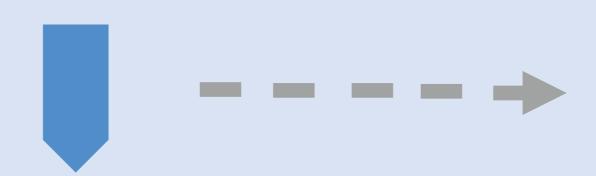
Wish to quit



~70%

Have tried

(past year)



50%

DIFFICULT



(for \geq 6 months)



~7%





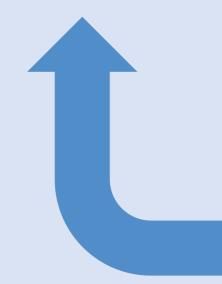
Tobacco Dependence Treatment

Recommended Evidence-Based Strategies

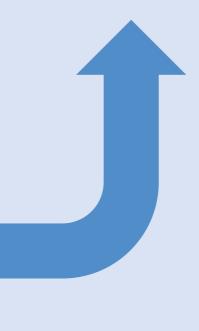
FDA-Approved

Counseling

Medication



Combination most effective







Counseling

Types

- Individual
- Group
- Telephone



USE

Models

- **5AS** (Ask, Advise, Assess, Assist, Arrange)
- 2As, 1R (Ask, Advise, Refer)
- 5RS (Relevance, Risk, Rewards, Roadblocks, Repetition)





Medication

Evidence-Based - FDA-Approved

- Nicotine replacement therapies (NRTs)
 - ✓ Gum
 - Lozenges
 - ✓ Nasal spray
 - ✓ Inhaler

short-acting

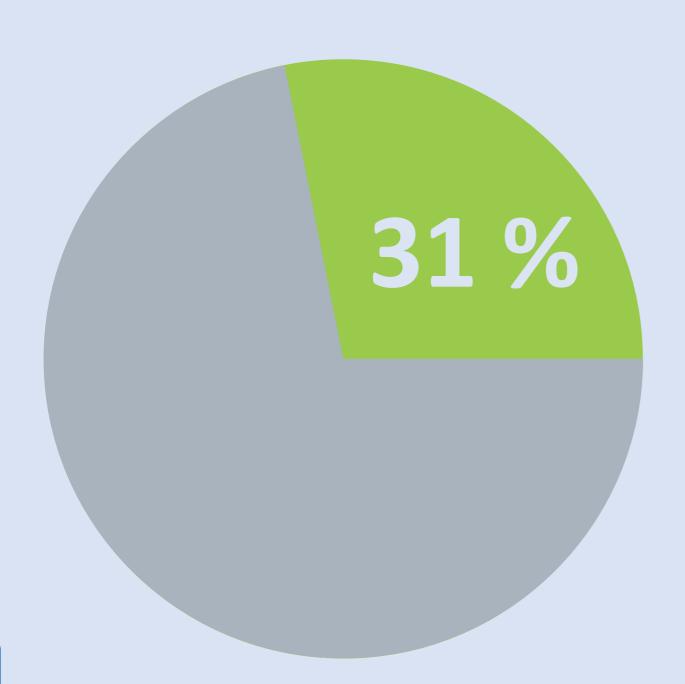
- ✓ Transdermal patch long-acting
- Non-nicotine medications
 - ✓ Bupropion SR
 - ✓ Varenicline



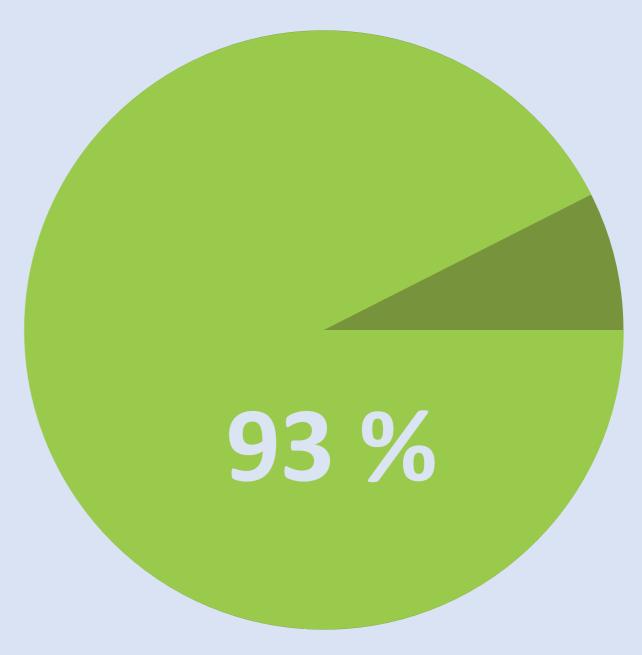


Underutilization of Treatment Methods

Use recommended treatment strategies











Underutilization Factors

Insufficient use of referrals

Underutilization of tobacco quitline

Non-ACA-compliant health plans

High proportion of uninsured





Healthy People 2030

OBJECTIVES

■ Current tobacco use

TU-01,04 (adults; teens)

Advice to quit by medical providers

- **Quit attempts**TU-11,14,15 (past-year; successful)
- ↑ Medicaid coverage of evidence
 based tobacco dependence treatment





Systems Influencing Tobacco Cessation

Insurance Coverage



Health Care
Providers





Research Question

What are the tobacco dependence treatment supports in KS?





Tools

Stansas Environmental Scan For Tobacco Cessation Supports

Kansas Health Plan
Assessment

Tobacco Dependence
Treatment Survey

Insurance Coverage

Health Care
Providers





INSTRUMENT

Living Database

- Goal: Assess tobacco cessation supports in KS
- Origin: North American Quitline Consortium
- Original goal: Assess / build support for insurance coverage of quitline services
- Format conversion
- Instigator for conversion and use: Rick Cagan





Components

State Data

Health Insurance
Carriers

Largest Employers KS Quitline

KS Medicaid

Key Stakeholders Policies Impacting
Tobacco Use

Resources for Treatment

Data Sets





PARTICIPANTS

Behavioral Health Tobacco Project Subgroup

- ✓ R. Cagan
 ✓ K. Richter
 ✓ F. Huneycutt
- ✓ E. Ablah
 ✓ A. DiGiulio

Members of KDHE

- M. Barnett

 S. Corbett

 S. Lines

 M. Schrock

- T. Bond ✓ C. Cramer ✓ S. Moore ✓ M. Warfield

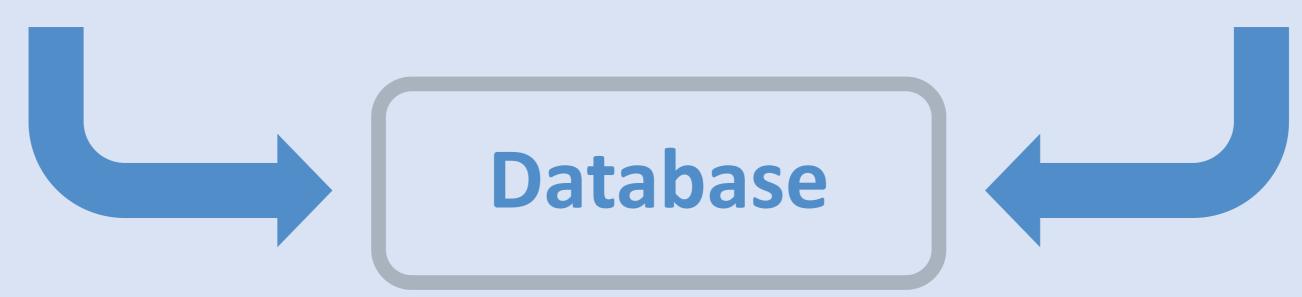




PROCEDURES

Online search results

Input from KDHE and work group members





Data collection/updates: 10/2020 - 01/2022



INSTRUMENT

Online Questionnaire

- Joint development: Behavioral Health Tobacco Project subgroup; spring/summer 2020
- Goal: Assess tobacco dependence treatment service coverage in health insurance plans in Kansas
- Platform: SurveyMonkey® Questions: 81





Question Categories

- ✓ Premium surcharge and incentives
- Medication-assisted quit attempts; combined prescription
- ✓ All 7 FDA-approved tobacco dependence treatment medications
- All 3 modes of counseling





Question Categories

- ✓ Reimbursed tobacco dependence treatment billing codes
- ✓ Provider types reimbursed for tobacco dependence treatment
- ✓ Provider credential requirements
- ✓ Telehealth





PARTICIPANTS

Administrators of health insurance plans in KS

- Includes:
 - ✓ State employee health plan (SEHP)
 - Major health insurance carriers in KS
- One (1) participant per organization





PROCEDURES

Identified health plan contacts

E-mailed invitation to complete questionnaire (included link)



Data collection: 10/2020 to present



INSTRUMENT

Online Questionnaire

- Joint development: NAMI Kansas / KU Med
- Goals: Assess capacity for evidence-based tobacco dependence treatment in KS + create directory of providers
- Platform: SurveyMonkey® Questions: 13





Question Categories

- ✓ Training
- Services provided
- ✓ User access to services

- How clients pay for services
- ✓ Insurance accepted
- Billing codes used
- ✓ Willingness to be included in directory of providers





PARTICIPANTS

Licensed behavioral health providers and other health care providers in KS

- Identified via list from Behavioral Sciences
 Regulatory Board and via medical associations
 and health plans
- One (1) participant per organization





PROCEDURES

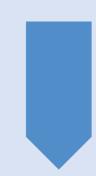
- Survey link sent in multiple waves
- Online survey open throughout 2020
- Administered once via phone in February 2021

ANALYSIS

IBM SPSS software



Univariate analyses



- Frequencies
- Percentages





Results: Environmental Scan

S A M P L

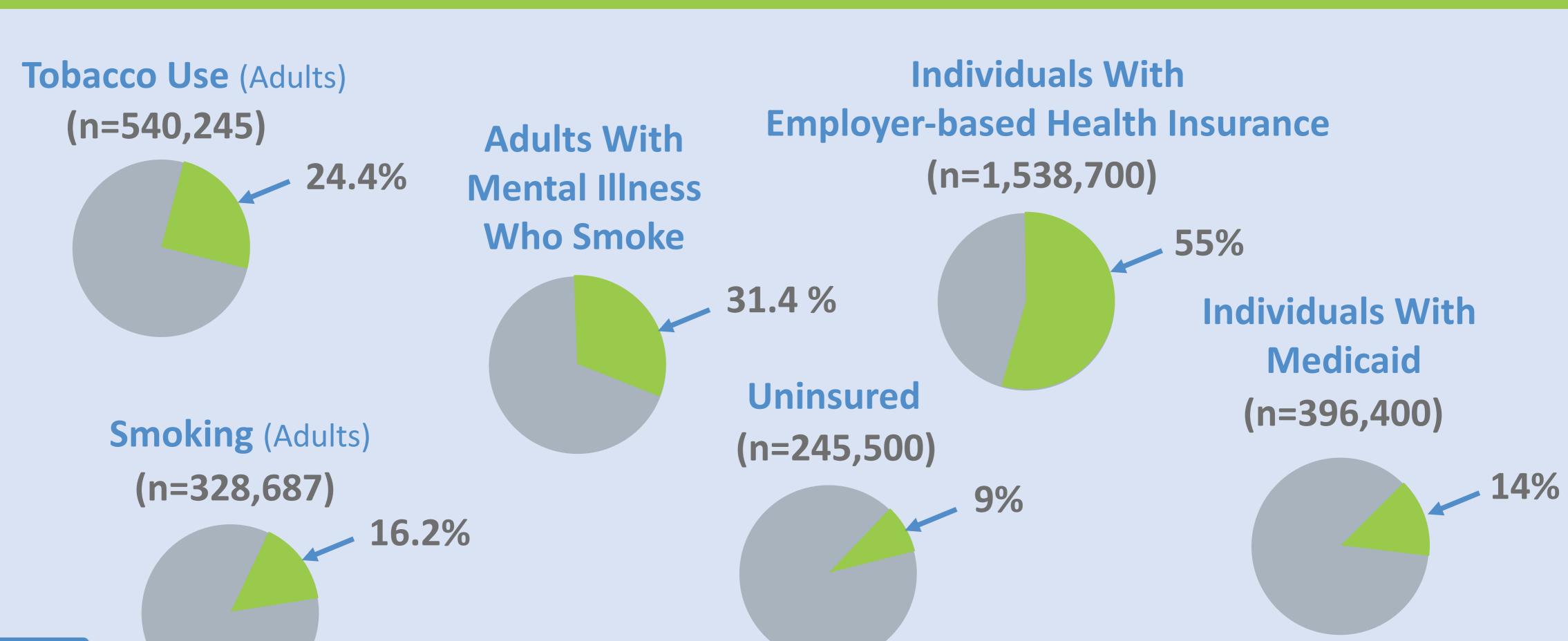
STATE INFORMATION/DATA			
Item	Number/Percent	Resource URL	Notes
Total state population	2,913,314	https://www.census.gov/quickfacts/fact/table/KS	July 2019 estimates
Total adults	2,214,119	https://www.census.gov/quickfacts/fact/table/KS	Subtract under age 18 from total population
Smoking prevalence	16.20%	https://www.cdc.gov/brfss/brfssprevalence/index.html https://www.kdheks.gov/brfss/Survey2019/ct20 19_currentsmok.html	Search for state, select Tobacco Use (Class), select Current Smoker Status (Topic), select the most current year available in the dropdown (crude prevalence; age-adjusted prevalence is 16.7 % for 2019)
Tobacco use prevalence	24.40%	Tristi Bond provided updated prevalence data from 2019 BRFSS and is working on updating the KDHE document	KDHE sourced from BRFSS: https://www.kdheks.gov/tobacco/downlo ad/Adult_Tobacco_Use_in_KS.pdf (from 2018 BRFSS: 23.6%)
Estimated number of adult smokers	358,687	https://www.cdc.gov/brfss/brfssprevalence/index.html	Total number of adults * smoking prevalence
Estimated number of pregnant smokers	3,056 (9.2%)	PRAMS Report 2019 (see page 51)	Self-reported among Kansas women with recent live births. For recent smoking rate, also see: https://www.americashealthrankings.org/explore/health-of-women-and-children/measure/Smoking_pregnancy/state/KS
Estimated number of youth* smokers	8,746	https://www.cdc.gov/healthyyouth/data/yrbs/results.htm	5.8% *high school students report smoking. To determine high school student headcount, please see https://datacentral.ksde.org/report_gen.aspx

S A M P L E





State Data







Health Insurance Carriers

Plans With Largest Market Share

Blue Cross Blue Shield® of Kansas



Aetna® Life Insurance Company

Blue Cross Blue Shield® of Kansas City

Humana® Insurance Company

BlueCross BlueShield Kansas Solutions

Cigna® Health and Life Insurance Company



UnitedHealthcare® Insurance Company

Aetna® Health



Largest Employers

Found Data on 3 out of 20 Largest Employers* Number of Employees

Textron Aviation

(n=12,458)

Ascension Via Christi Hospitals

(n~10,000)

Unified School District 259

(n~9,000)



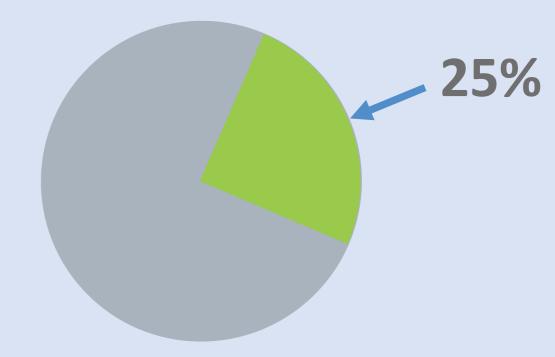


KS Quitline

Tobacco Users
Served

1,028

On Medicaid (n=258)



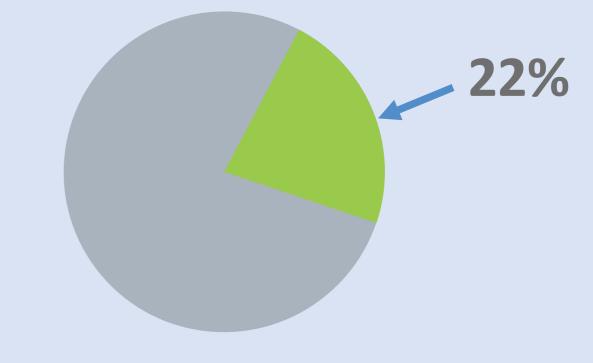
Direct Calls

3,715

Referrals to Quitline

835

Uninsured (n=224)

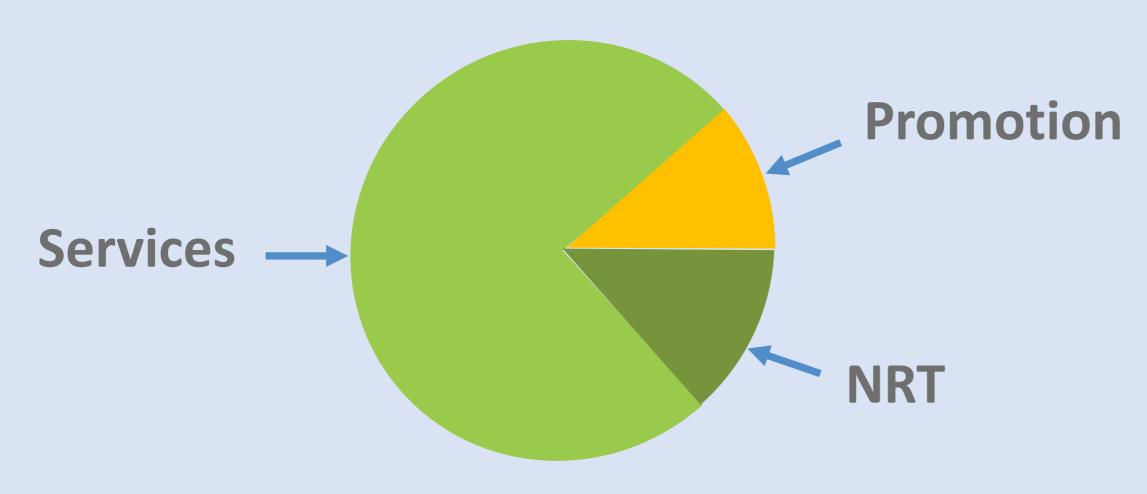






KS Quitline





Per User
Outlay

\$0.45







KS Medicaid

No Medicaid
Expansion

OneCare Kansas
Program

Benefits
via MCOs*

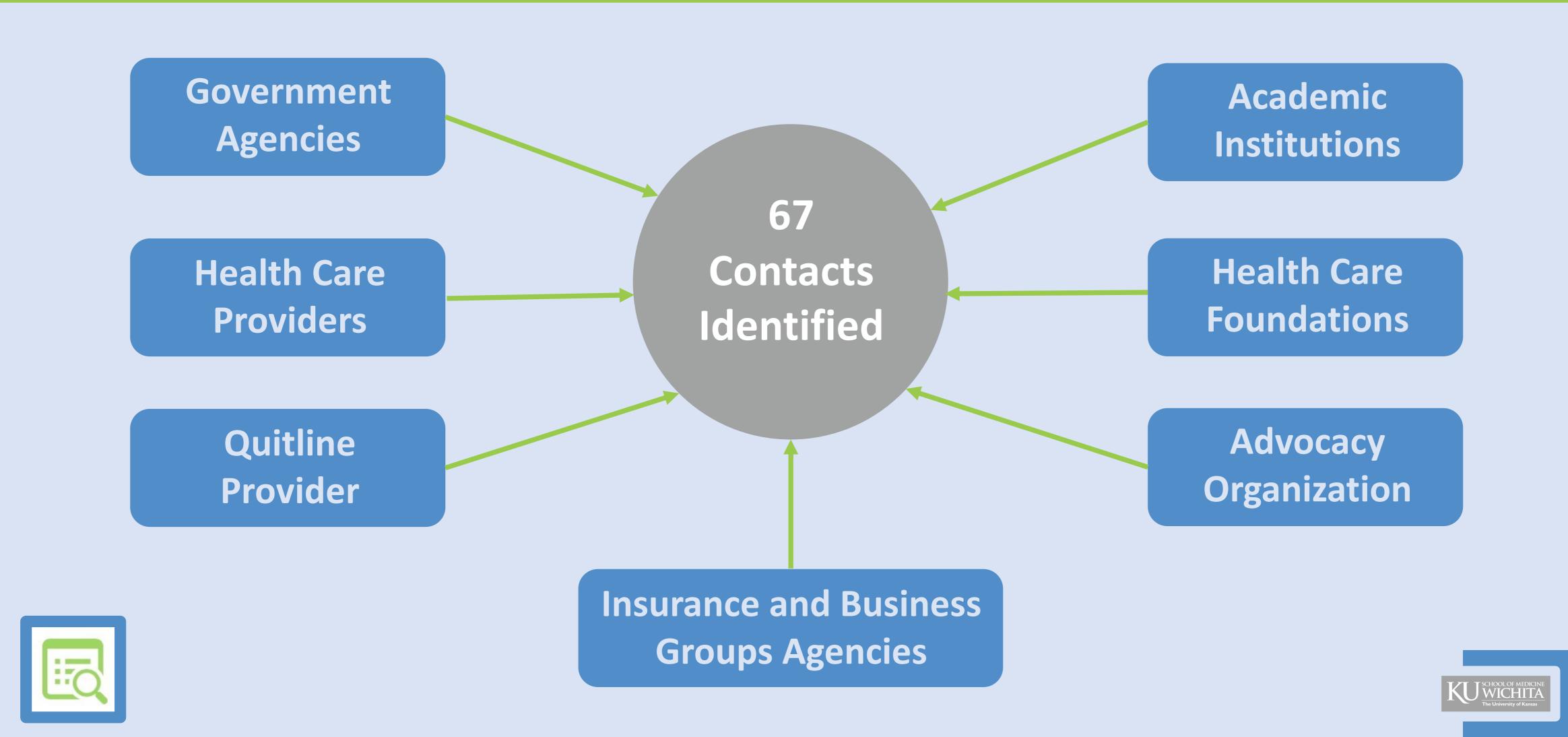
Long-term services for people with certain chronic conditions

* Managed Care Organizations





Key Stakeholders



Policies

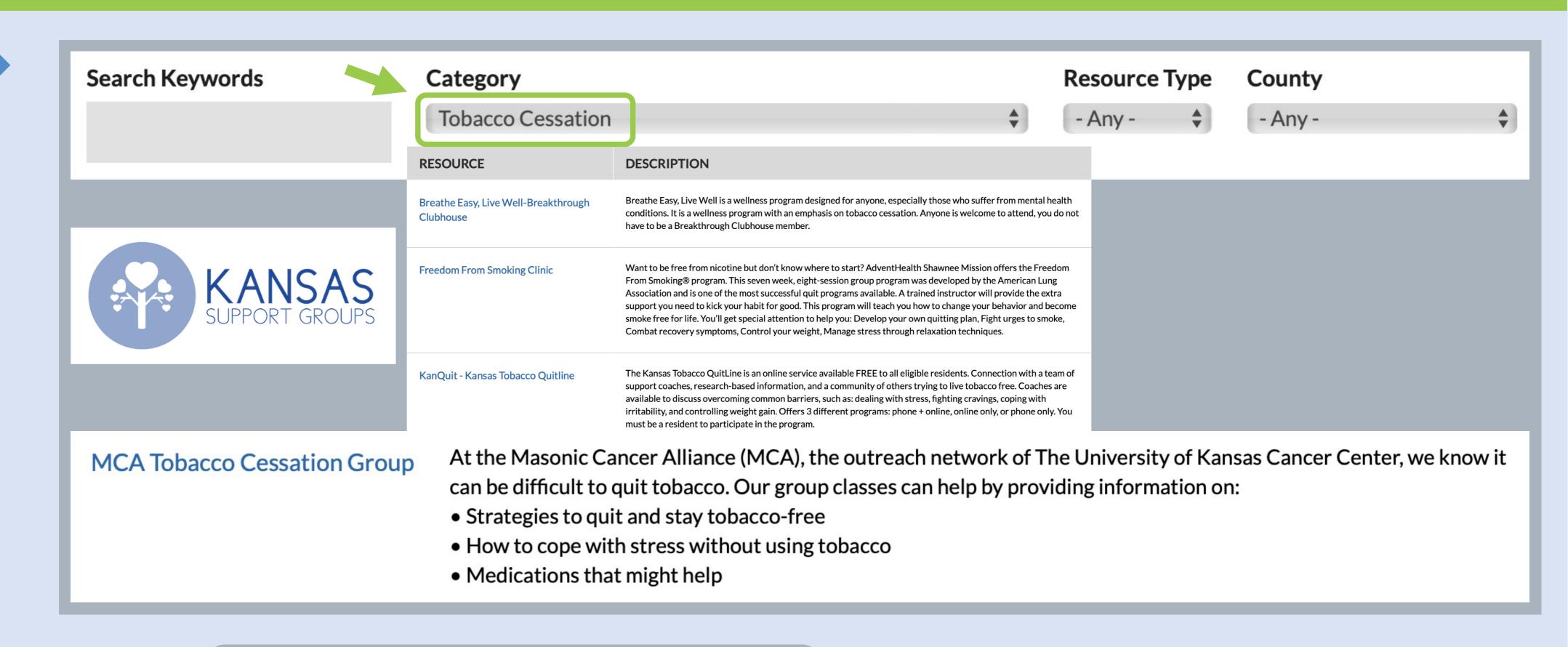






Treatment Resources

1





2

Tobacco Dependence Treatment Provider Directory



Data Sets

HRSA

Health Resources and Services
Administration

Claims



SAMHSA

Substance Abuse and Mental Health Services Administration

Self-Assessment



Analyses by KU School of Medicine

(Dr. K. Richter; Dr. N. Machado)



Results: Health Plan Assessment

Responses

1

Kansas State Employee Health Plan

October 13, 2020





Surcharges and Incentives



No premium surcharge for tobacco users

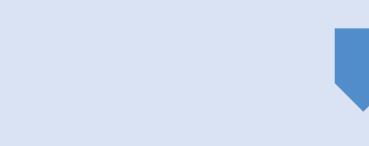


Offers reasonable alternative



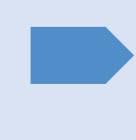


Tobacco cessation program



Cerner's HealthQuest Rewards Program online course

Offers wellness incentive to all



6 points = \$60 toward annual earnable premium discount





Medication

No co-pay
No prior authorization
No limitations*>varenicline<



Co-prescribed medications OK

One (1)
quit attempt

Covers all 7 FDA-approved tobacco dependence treatment medications





Counseling



Telephone (contracted)

No co-pay
No limitations

Group











Billing – Reimbursement



Code 99406

Counseling (3-10 minutes)



Code 99407

Counseling (>10 minutes)

Unanswered

Includes



Telehealth

- Types of providers who can be reimbursed for these codes?
- Any additional certification required?





Results: Provider Survey

Responses

120 respondents

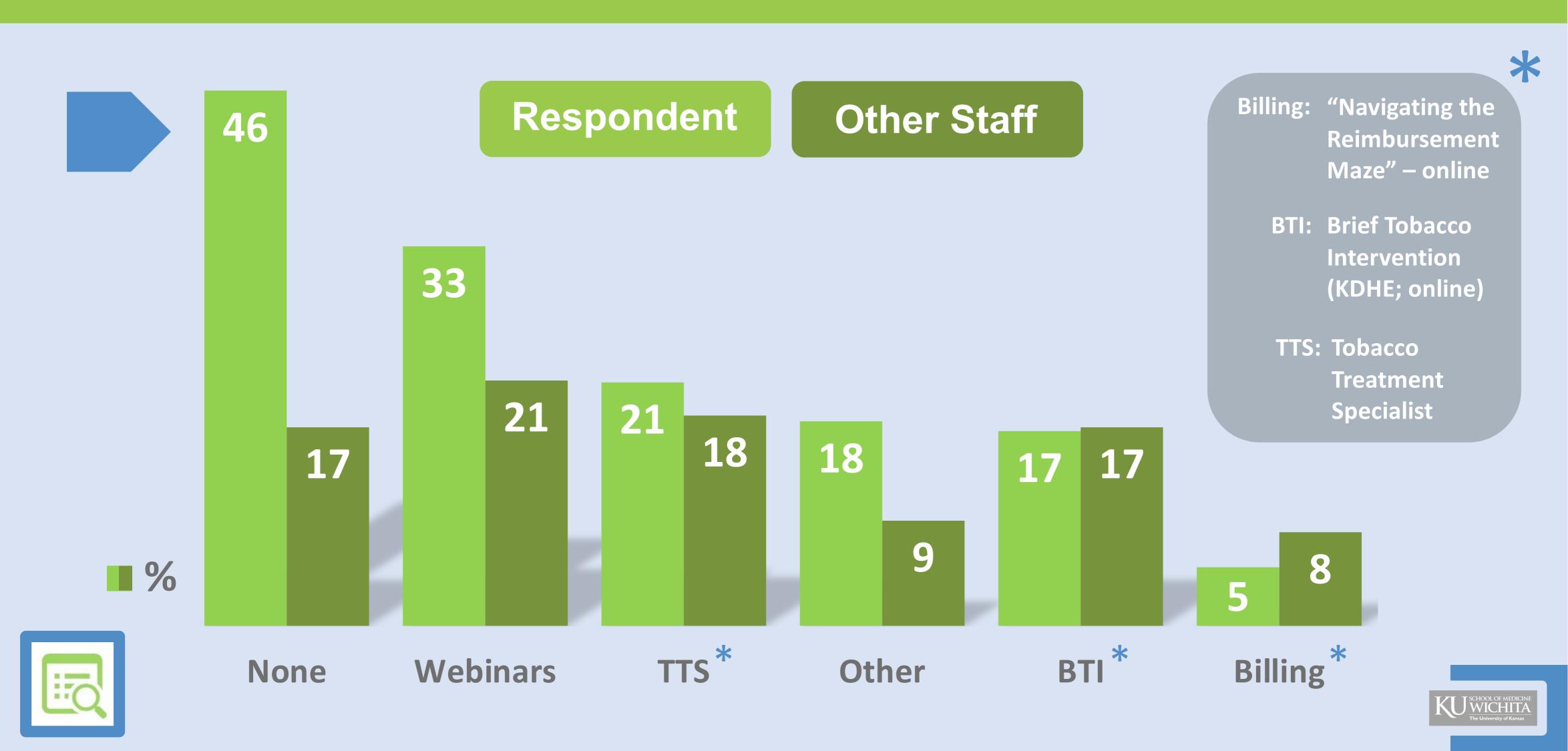


116 organizations

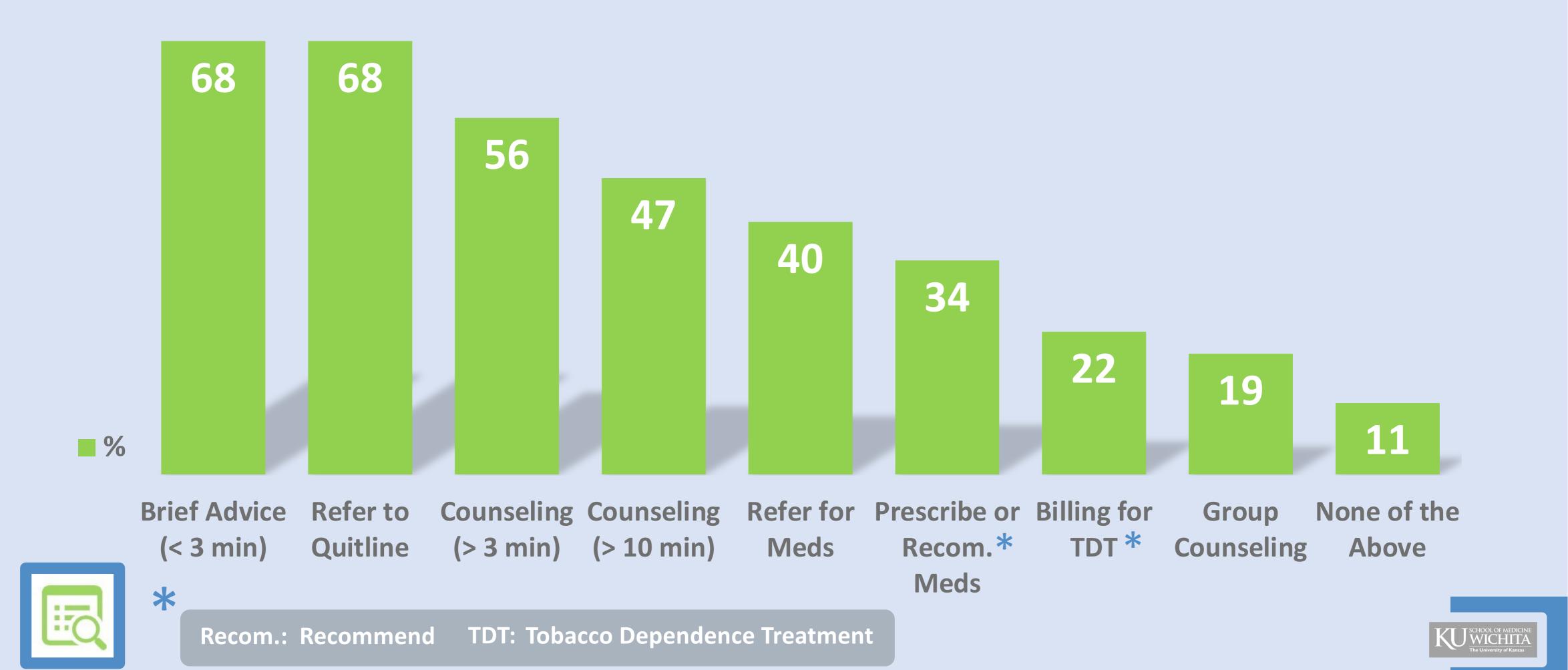




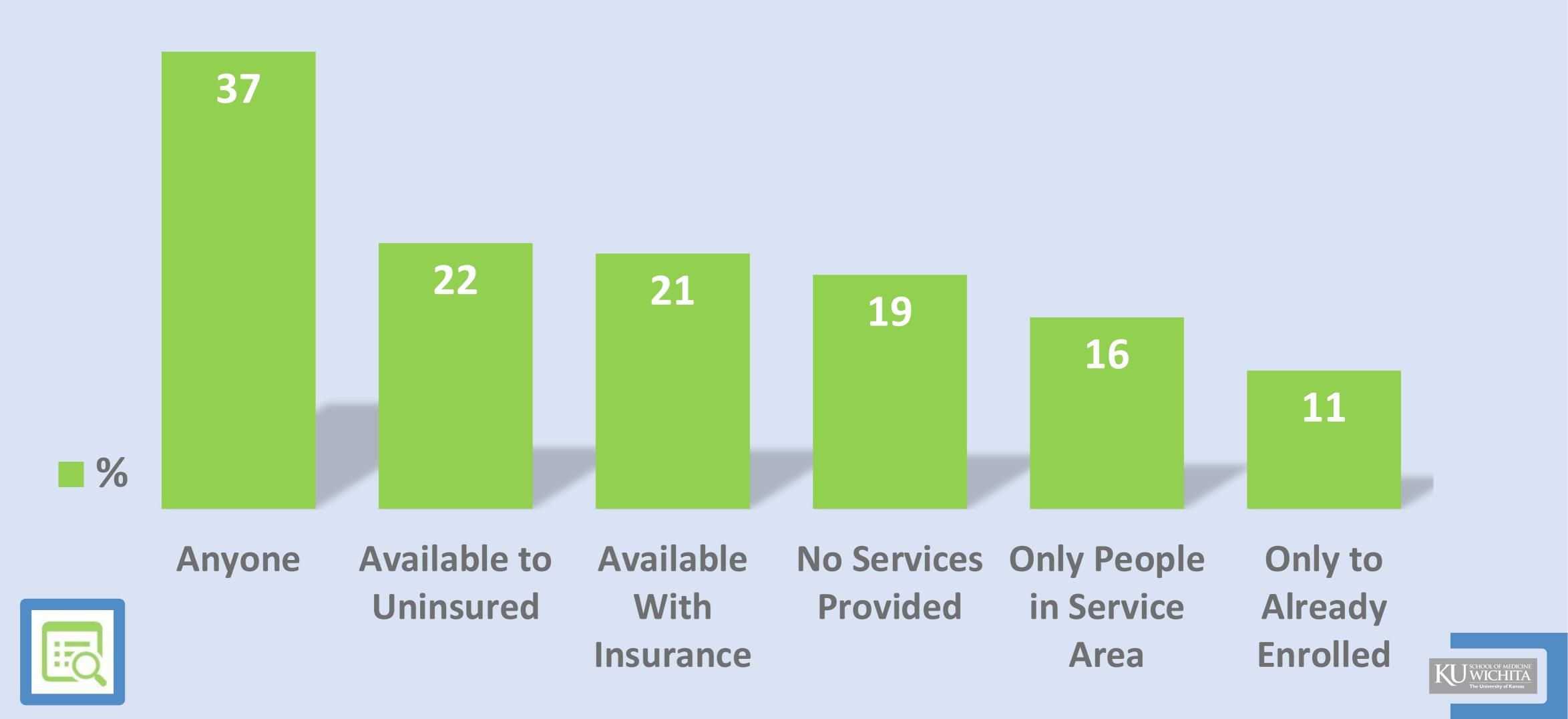
Training



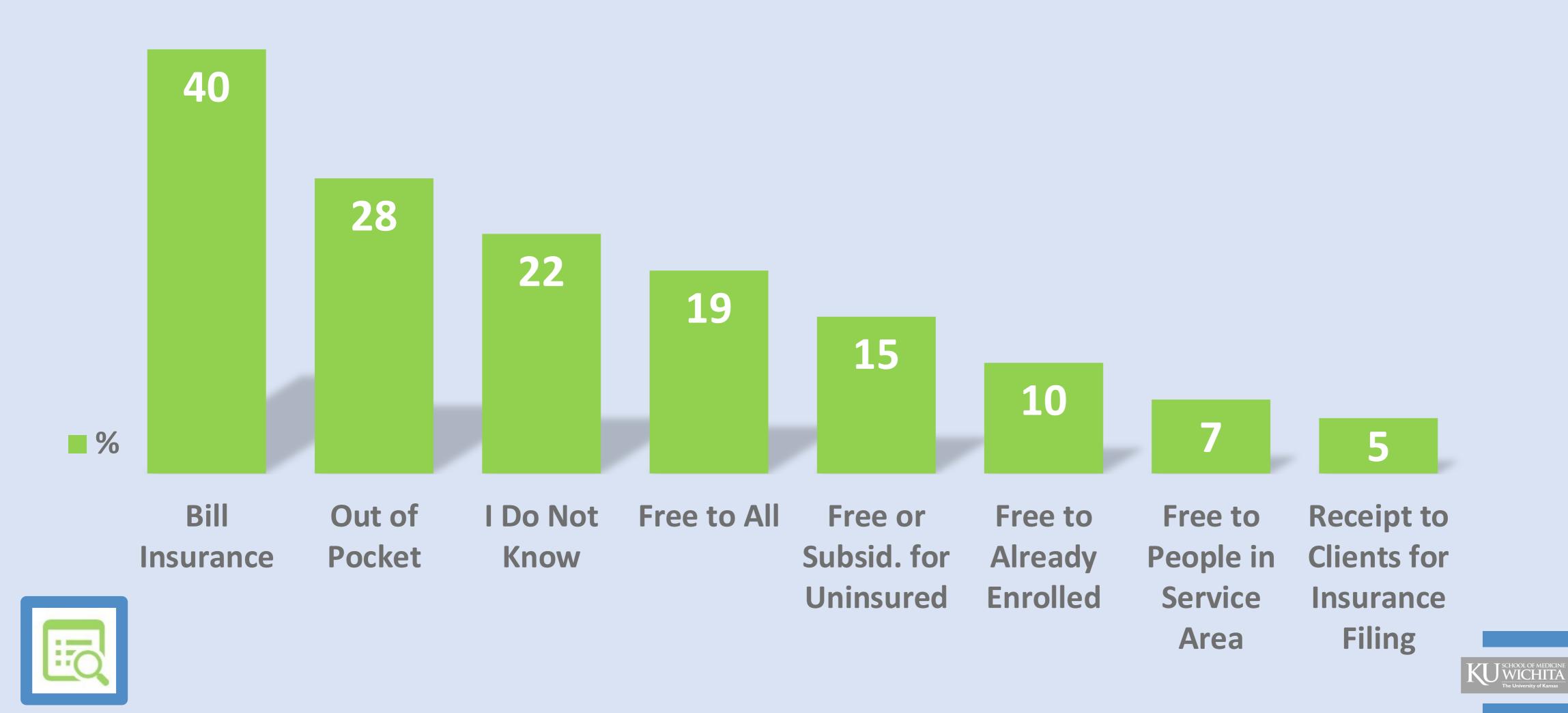
Services Provided



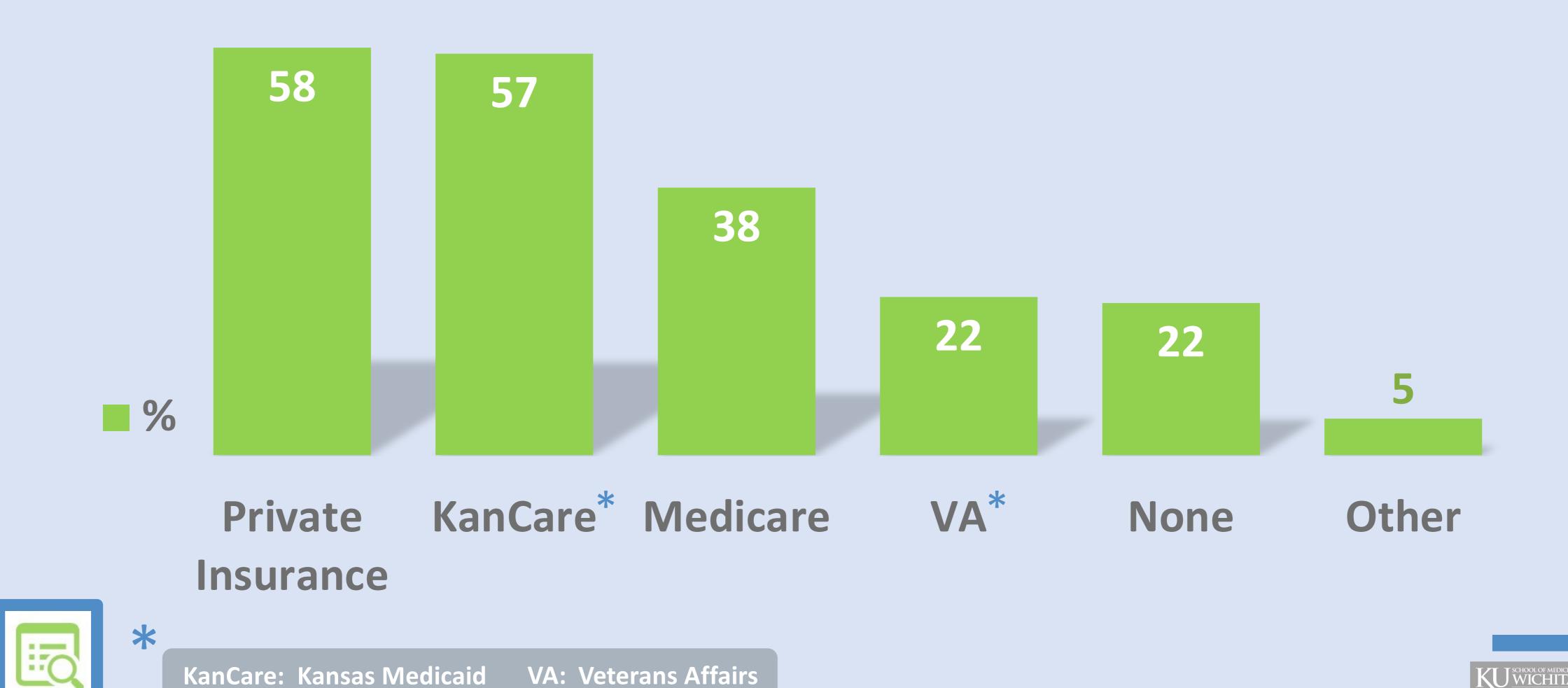
Tobacco User Access



How Clients Pay

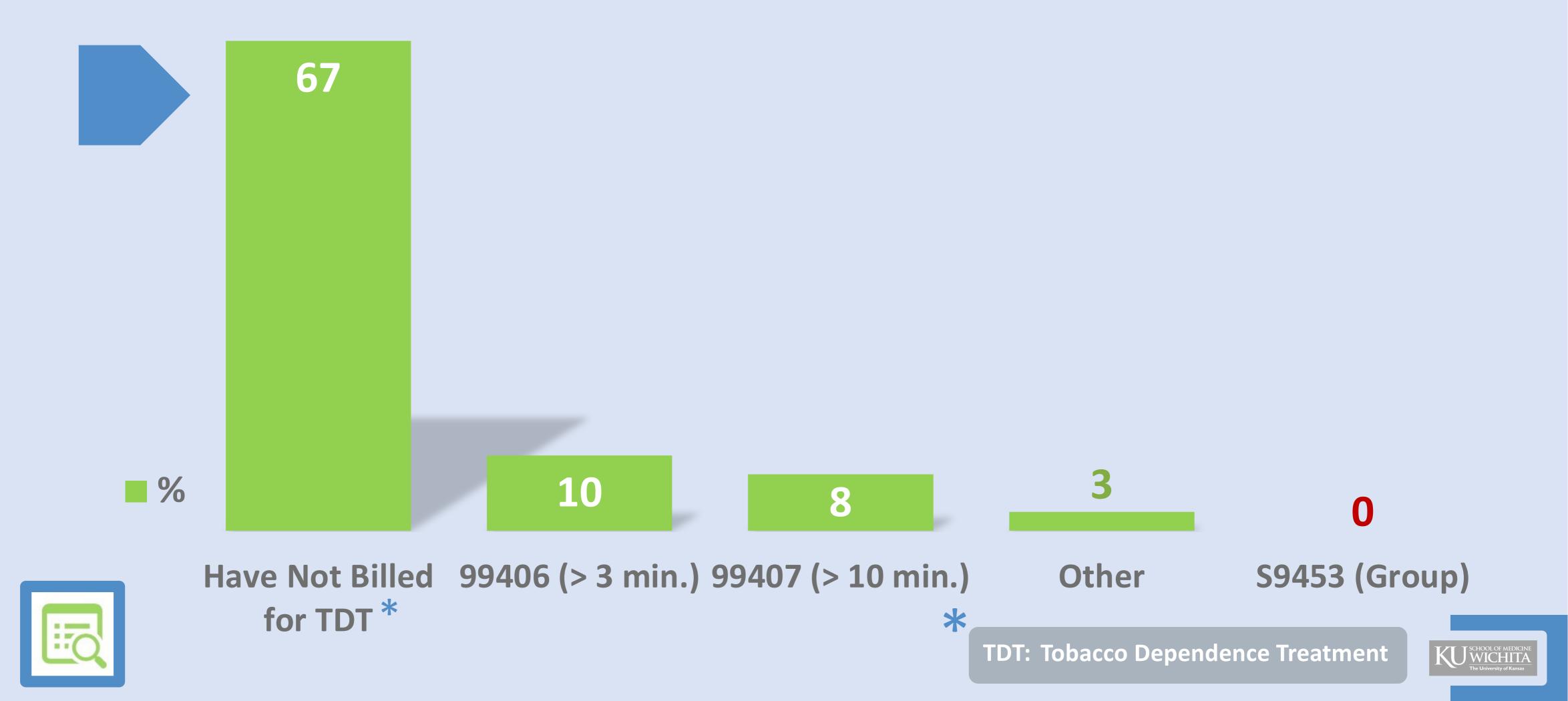


Insurance Type Accepted



KU SCHOOL OF MEDICINE
WICHITA

Billing Codes Used



Sample Provider Directory



County	Organization and Tobacco Dependence Treatment Provider	Tobacco Dependence Treatment Services and Payment/Insurance Accepted		
Barton	Heart of Kansas Family Health Care, Inc. 1905 19th St Great Bend, KS, 67530 (620) 792-5700	Tobacco Dependence Treatment Services: Counseling (Individual) Cessation Meds (Prescribe) Insurance Accepted: KanCare, Medicare, VA, Private Insurance		
Barton	St. Francis Ministries 1508 Main St Great Bend, KS, 67530 Myers, Deborah (620) 617-4504	Tobacco Dependence Treatment Services: Counseling (Individual) Insurance Accepted: KanCare, Private Insurance		
Brown	Hiawatha Community Hospital Family Practice 300 Utah Hiawatha, KS, 66434 Bigham, Bryon (785) 742-2161	Tobacco Dependence Treatment Services: Counseling (Individual) Cessation Meds (Prescribe) Insurance Accepted: KanCare, Medicare, VA, Private Insurance		
Butler	South Central Mental Health Counseling Center (SCMHCC) 221 W King St Andover, KS, 67002-8964 Mukwindidza, Susan (TTS Trained) (316) 733-5047	Insurance Accepted: KanCare, Medicare, VA, Private Insurance		





Discussion: Importance of State Data

- To identify the disproportionately impacted by tobacco
 - People with mental illness
 - People with Medicaid
 - ✓ The uninsured

e.g.



- To identify gaps
- ✓ In health insurance coverage
- ✓ In capacity at the health care provider level
- To identify key partners



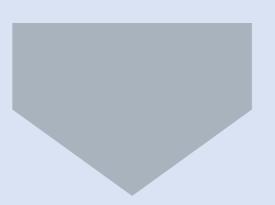




Affordable Care Act (ACA)

Mandated for Most Private Health Insurance Plans

Comprehensive Tobacco Cessation Coverage



- ✓ No-cost access to:
 - All 3 forms of counseling
 - All 7 FDA-approved medications
- ✓ 2 quit attempts per year
- ✓ 4 counseling sessions and 90 days of medications per quit attempt





Health Insurance Coverage By Plan Type

Tobacco Dependence Treatment Benefits

	Insurance Plan Type	Medications	Counseling	Quit Attempt per Year	Cost Sharing	Prior Auth.	
ı	Medicare	Spray, inhaler, bupropion, varenicline. Part D may choose to cover additional medications.	Individual (limit 4)	Up to 2	No for counseling		
ı	Medicaid (all enrollees)	All 7 FDA-approved medications					
ı	Medicaid (pregnant individuals)	All 7 FDA-approved medications	All forms				
ı	Medicaid Expansion	All 7 FDA-approved medications (90 days)	All forms (limit 4)	2	No	No	
ı	KanCare (Kansas Medicaid)	All 7 FDA-approved medications Combination	All forms, unlimited annual and lifetime (99406, 99407, S9453)	4	No	No	
ı	State Health Insurance Marketplace	All 7 FDA-approved medications (90 days)	All forms (limit 4)	2	No	No	
Er	mployer-Sponsored Insurance	All 7 FDA-approved medications (90 days)	All forms (limit 4)	3	No	No	
	Grandfathered Health Plans	No requirements					
	Short-Term Limited Duration Plans Not considered health plans under the Affordable Care Act						





Health Insurance Benefits in Kansas

Benefits for tobacco dependence treatment:

- Are most generous in KanCare (covers 14% of Kansans)
- Can vary between private insurance plans (cover 74.8% of Kansans)
- Can come with a premium surcharge of up to 50%
- Are difficult to gauge because of lack of transparency / data





Health Insurance Benefits in Kansas

Benefits for tobacco dependence treatment:

- Kansas State Employee Health Plan benefits are not as generous as KanCare benefits (3 versus 4 quit attempts)
- Are not required in non-ACA-compliant plans
- Do not apply to the uninsured (9% of Kansans)





Need for Medicaid Expansion

In Kansas



- Would allow ~145,000 Kansans to receive health insurance coverage under Medicaid
- Would decrease the burden of tobacco on the population's health and the state's coffers





Underutilization of Strategies



- Training (counseling; billing)
- Counseling
- Prescribing medication
- Billing for tobacco dependence treatment
- Referring to the quitline

(\$0.45 versus \$3,122 per tobacco user / year in Kansas)





System-Level Barriers



- Variability of benefits in health insurance
- Prior-authorization, duration limits, cost sharing, surcharge, number of quit attempts
- Non-ACA-compliant plans
- Lack of transparency from various players
- Provider level: billing, accepting insurance, training





Needed Policies



- > Increase reimbursement rate for treatment
- Increase provider types who can bill for treatment
- Enhance benefits in SEHP to match KanCare and then mandate enhanced benefits in all private health insurance
- **Eliminate tobacco surcharge**
- Increase funding for tobacco control (now \$1M, only 9% of recommended amount by CDC; tobacco industry spends \$8.4 billion on marketing per year)



Needed Policies



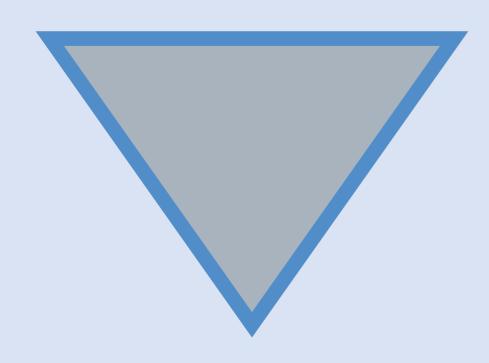
- Increase tobacco tax
- Flavor ban
- > Tobacco retail licensing
- > Smoke-free bans (casinos, tribal, e-cigarettes, parks)
- > Age restriction





Limitations





- Data quality (self-report information bias)
- Sample size
- Data collection instrument design improvements needed

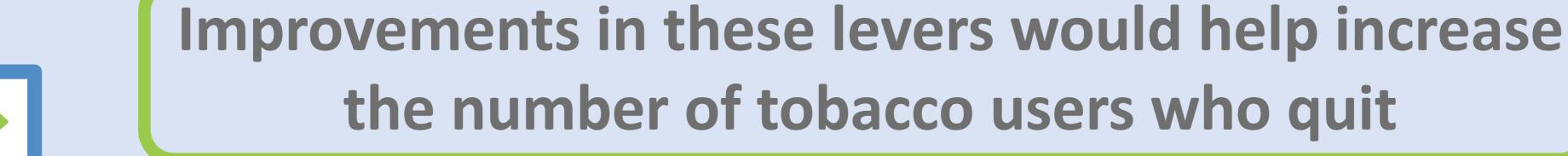




Conclusion

Study suggests many gaps remain in Kansas in:

- Health insurance coverage of tobacco dependence treatment
- Capacity for health care providers to leverage recommended, evidence-based psychopharmacological strategies







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Thank You

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