Tobacco Control in Kentucky's Mental and Behavioral Health Settings

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Behavioral Health Wellness Environments for Living and
Learning (BHWELL)

October 1, 2024 KTPC Monthly Tobacco Coordinator Call









Thank You!

Our work is made possible by support from:





Today's Objectives

Prevalence of tobacco use among people living with mental and Describe behavioral health challenges in Kentucky. Factors associated with tobacco use among people living with Discuss mental and behavioral health challenges in Kentucky. Initiatives and opportunities to address tobacco use among people Discuss living with mental and behavioral health challenges in Kentucky.





Types of Tobacco Products

Combustible/Heated

Non-combustible

Cigarettes, Cigars, Cigarillos, Bidis, Pipes



Snus



Hookahs/Water pipe



Chew tobacco



Electronic Nicotine Delivery Systems



Dissolvable products

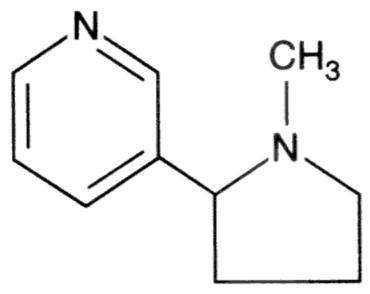






Why is tobacco addictive?

"Nicotine is the drug in tobacco primarily responsible for addiction. The pharmacologic and behavioral processes that determine tobacco addiction are similar to those that determine addiction to drugs such as heroin and cocaine"



Hans & Cassady, Inc.

Nicotine, C₁₀H₁₄N₂



Classification of Nicotine

Opioids/Narcotics

- Fentanyl
- •Heroin
- Hydromorphone
- Methadone
- Morphine
- •Opium
- Oxycodone



Hallucinogens

- Ecstasy/MDMA
- K2/Spice
- •Ketamine
- •LSD
- Peyote & Mescaline
- Psilocybin
- Marijuana/Cannabis
- •Steroids
- •Inhalants

- **Stimulants** Amphetamines
- Cocaine
- •Khat
- Methamphetamine
- Alcohol (low dose)
- Nicotine (high dose)



- •Benzodiazepines
- •GHB
- •Rohypnol®
- Alcohol (high dose)
- Nicotine (low dose)



Drugs of Concern

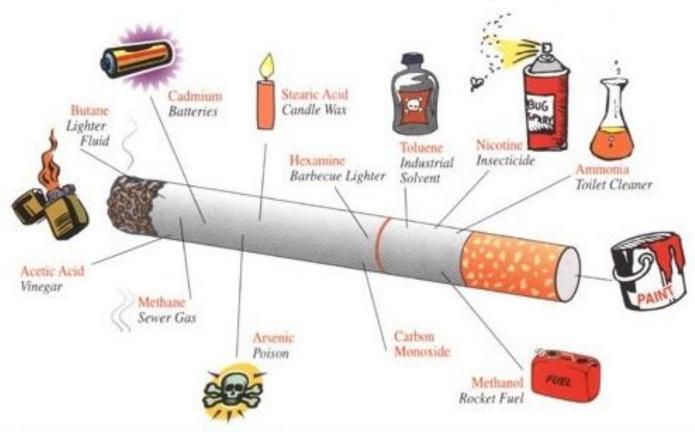
- Bath Salts or Designer Cathinones
- •DXM
- Kratom
- •Salvia Divinorum

U.S. Department of Justice, Drug Enforcement Administration. (2015). Drugs of Abuse: 2015 Edition. A DEA Resource Guide. *Retrieved June* 23rd, 2017 from. https://www.dea.gov/index.shtml



Why is tobacco use harmful?

Over 600 ingredients, producing ≥ 7000 chemicals when burned (69 are known carcinogens)



American Lung Association: http://www.lung.org/stop-smoking/smoking-facts/whats-in-a-cigarette.html.



Tobacco Use-Attributable Illnesses

Cancers Lung,

Bronchus Lip/Oral/pharynx Esophagus Larynx, trachea

Cervix uteri Urinary bladder

Stomach Colon

Leukemia Pancreas

Kidney Liver

Cardiovascular disease

Ischemic heart disease Cerebrovascular disease Rheumatic heart disease Atherosclerosis

Hypertension

Aortic aneurysm

Pulmonary heart disease

Other arterial disease





Respiratory disease

Chronic airways
obstruction
Asthma
Bronchitis/emphysema
Pneumonia/influenza
Respiratory
tuberculosis

Pediatric disease

Low birth weight Respiratory conditions-newborn Respiratory distress syndrome Sudden Infant Death Syndrome

Reproductive Problems

Reduced fertility
Spontaneous Abortion
Placental abruption





Prevalence of tobacco use among people living with mental and behavioral health challenges in Kentucky

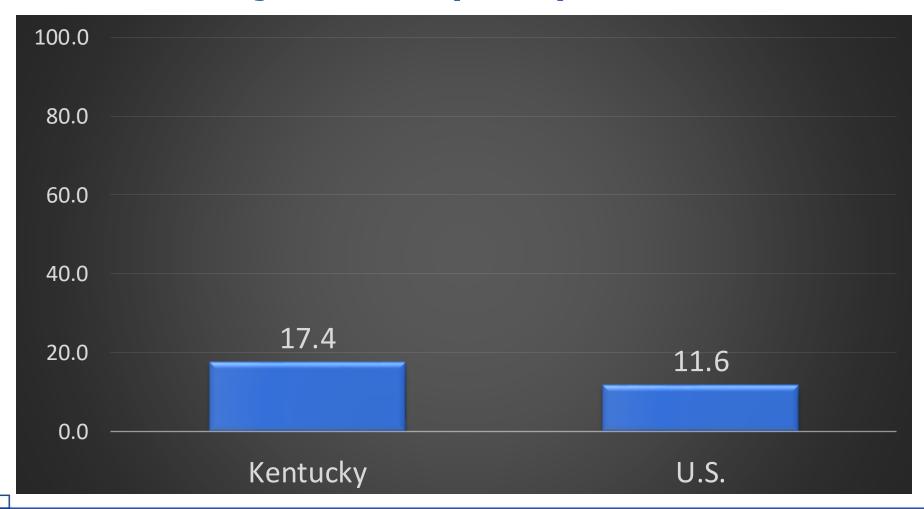




Source: www.cdc.gov/vitalsigns



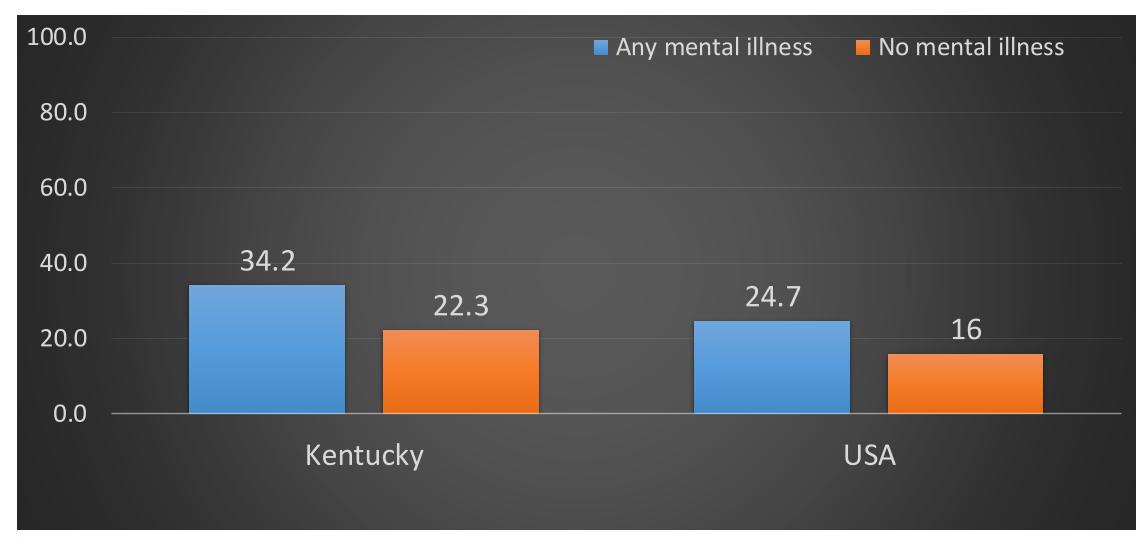
Percentage of cigarette use among adults in the Kentucky vs. U.S. (2022)





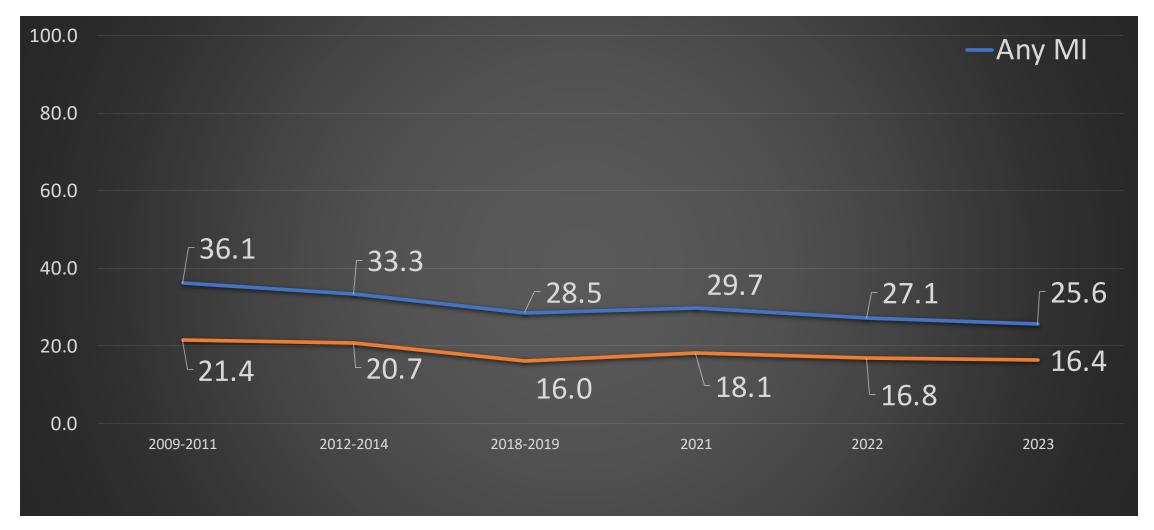


Percentage of cigarette use among adults by MI status in Kentucky vs. U.S. (2019-2020)





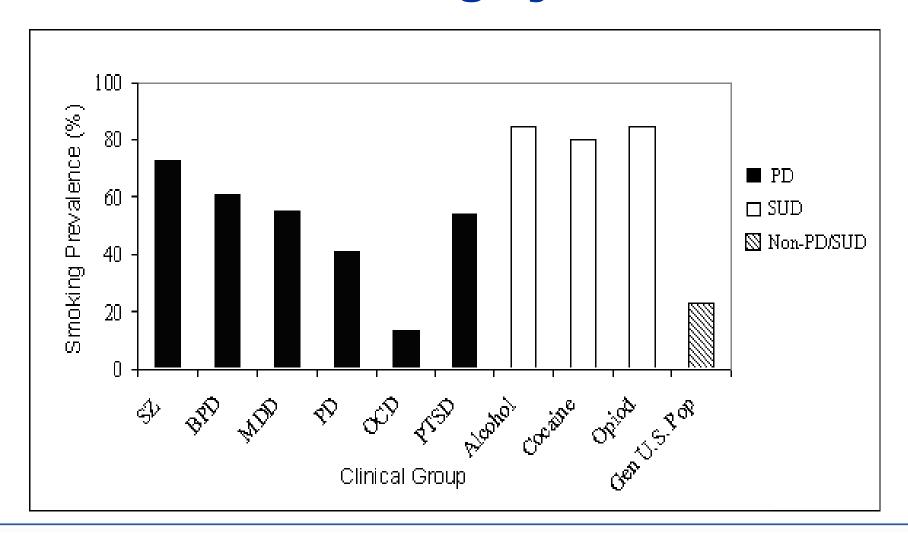


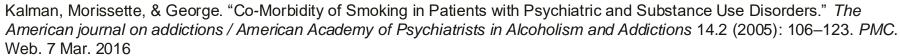




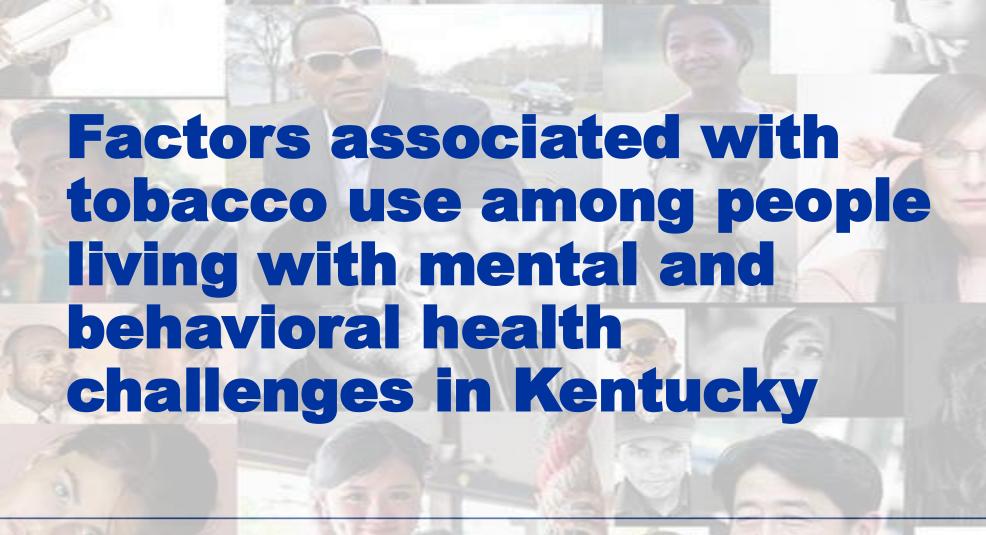


Prevalence of Smoking by MI/SUD Disorder











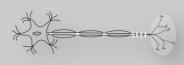
Reasons for smoking among persons with MI

Genetic



- Smoking and major depression ^{1,2}
- Nicotine dependence and PTSD³
- Smoking behaviors and schizophrenia ⁴

Bio-behavioral



- Nicotine reduces **sensorimotor gating** in schizophrenia ⁵
- Smoking reduces brain levels of MAO-A (an enzyme linked to depression) ⁶
 - Nicotine may be an anxiolytic ⁷

Psychosocial



- 'Token economy' in mental health facilities 8
- Smoking encouraged as a means of enhancing 'socialization' among patients9
- 1. Kendler, et al. Smoking and Major Depression: A Causal Analysis. Archives of General Psychiatry 1993; 50:36-43
- 2. Lyons, et al. A twin study of smoking, nicotine dependence, and major depression in men. Nicotine & Tobacco Research 2008; 10:97 108
- 3. Koenen, et al. A Twin Registry Study of the Relationship Between Posttraumatic Stress Disorder and Nicotine Dependence in Men. Arch Gen Psych 2005; 62:1258-1265
- 4. Faraone, et al. (2004). A novel permutation testing method implicates sixteen nicotinic acetylcholine receptor genes as risk factors for smoking in Schizophrenia families
- 5. Postma, et al. (2006). Psychopharmacology, 184: 589–599
- 6. Fowler, et al. (1996). Proceedings of the National Academy of Sciences of the United States of America, 93:14065-14069
- 7. McCabe, et al. (2004). Journal of Anxiety Disorders, 18:7-18
- 8. Lawn S. Cigarette smoking in psychiatric settings: occupational health, safety, welfare and legal concerns. Australian and New Zealand J Psych 2005; 39:886-891
- 9. Kawachi I, Berkman L. Social ties and mental health. Journal of Urban Health 2001; 78:458-467

Reasons to treat tobacco use in persons with MI

They WANT to quit!	Siru et al., 2009	Review study (9 studies)	• 50% contemplating cessation
	Stockings et al., 2013	Australia (97 inpatients)	• 47% made quit attempt in previous year
	Du Plooy, et al., 2016	South Africa (116 male inpatients)	• 59.4% attempted to quit in the previous year
They ARE ABLE to quit!	Anthenelli et al., 2016	RCT (8144 with & without MI)	Pharmacotherapy (VAR, BUP, NRT) superior to placebo in both groups
	Prochaska et al., 2013	RCT (224 inpatient smokers)	Motivational counseling + NRT initiated in hospital increased quitting success
Cessation IMPROVES Psychiatric symptoms	Taylor et al., 2021	Meta-analysis (102 studies)	 Cessation associated with improvements in depression, anxiety, stress, mood and quality of life

^{1.} Siru, R.; Hulse, G.K.; Tait, R.J. Assessing motivation to quit smoking in people with mental illness: A review. Addiction 2009, 104, 719-733

^{2.} Stockings, et al. Readiness to guit smoking and guit attempts among australian mental health inpatients. *Nicotine & Tobacco Research* 2013, 15, 942-949.

^{3.} Du Plooy, et al. (2016). Cigarette smoking, nicotine dependence, and motivation to quit smoking in South African male psychiatric inpatients. BMC psychiatry, 16(1), 403.

^{4.} Anthenelli, et al. (2016). Neuropsychiatric safety and efficacy of varenicline, bupropion, and nicotine patch in smokers with and without psychiatric disorders (EAGLES): a double-blind, randomised, placebo-controlled clinical trial. *The Lancet*, 387(10037), 2507-2520. 5. Prochaska, et al. Efficacy of initiating tobacco dependence treatment in inpatient psychiatry: A randomized controlled trial. *Am J Public Health* 2013, 104, 1557-1565
6. Taylor, G. M., Lindson, N., Farley, A., Leinberger-Jabari, A., Sawyer, K., te Water Naudé, R., ... & Aveyard, P. (2021). Smoking cessation for improving mental health. Cochrane Database of Systematic Reviews, (3).

Tobacco Treatment Challenges in Mental and Behavioral Health Services

- Paucity of tobacco treatment delivered in behavioral settings^{1,2}
- Conventional tobacco treatment programs not addressing unique relationship between tobacco use and behavioral health in their treatment approach³
- Current evidence-based pharmacotherapy is equally efficacious for people with and without mental and behavioral health challenges, but may be ineffective as prescribed
 - Pharmacotherapy largely based on efficacy studies that excluded persons with behavioral health issues in their development ^{4,5,6}
 - Those with behavioral health may need higher doses and longer durations of pharmacotherapy to achieve equitable smoking cessation ⁷

European Respiratory Society. European Respiratory Journal. 1999;13(2):238-246



¹Ziedonis D, Hitsman B, Beckham JC, et al. Tobacco use and cessation in psychiatric disorders: National Institute of Mental Health report. Nicotine & Tobacco Research. 2008;10(12):1691 - 1715. ²Prochaska JI. Smoking and mental illness — breaking the link. New England Journal of Medicine. 2011;365(3):196-198

³U.S. Department of Health and Human Services. ³Eliminating Tobacco Related Health Disparities: Summary Report. U.S. Department of Health and Human Services, National Institute of Health, National Cancer Institute 2002

⁴ Gonzales D, Rennard SI, Nides M, et al. Varenicline, an {alpha}4beta2 Nicotinic Acetylcholine Receptor Partial Agonist, vs Sustained-Release Bupropion and Placebo for Smoking Cessation: A Randomized Controlled Trial. IAMA. 2006;296(1):47-55

⁵Koegelenberg CN, Noor F, Bateman ED, et al. Efficacy of varenicline combined with nicotine replacement therapy vs varenicline alone for smoking cessation: A randomized clinical trial. *JAMA*. 2014;312(2):155-161 ⁶Tonnesen P, Paoletti P, Gustavsson G, et al. Higher dosage nicotine patches increase one-year smoking cessation rates: results from the European CEASE trial. Collaborative European Anti-Smoking Evaluation.

⁷Selby P, Voci SC, Zawertailo LA, George TP, Brands B. Individualized smoking cessation treatment in an outpatient setting: Predictors of outcome in a sample with psychiatric and addictions co-morbidity. *Addictive Behaviors*. 2010;35(9):811-817

Initiatives addressing tobacco use among people living with mental and behavioral health challenges in Kentucky







Our Responsibility

"All smokers with psychiatric disorders, including substance use disorders, should be offered tobacco dependence treatment, and clinicians must overcome their reluctance to treat this population.... Treating tobacco dependence in individuals with psychiatric disorder is made more complex by the potential for multiple psychiatric disorders and multiple psychiatric medications."





CDC Recommendations for Behavioral Health Settings



☐Stopping practices that encourage tobacco use (such as not providing cigarettes to patients and not allowing staff to smoke with patients)



☐Making entire campus 100% tobacco-free

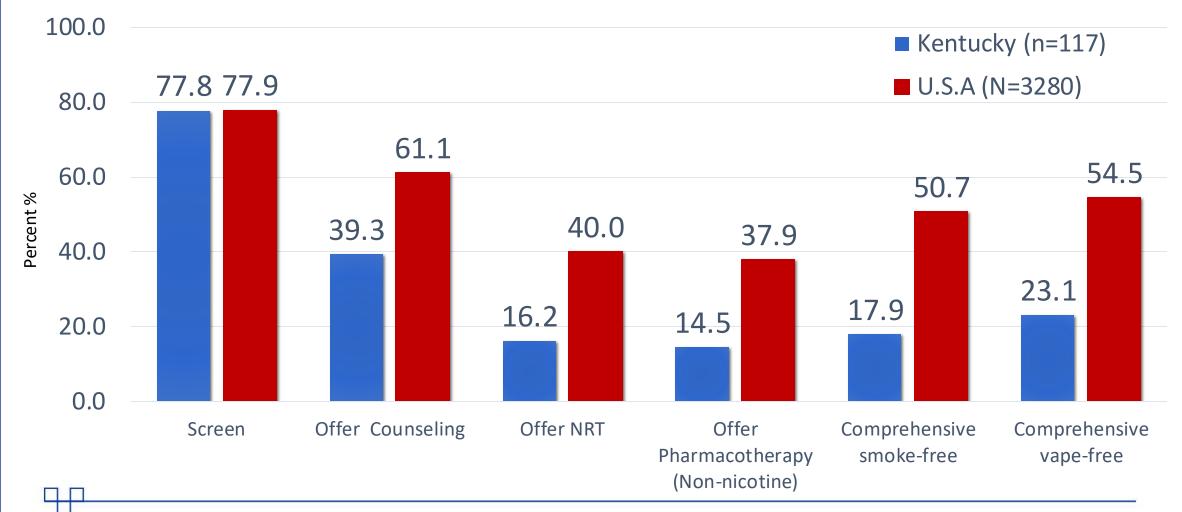


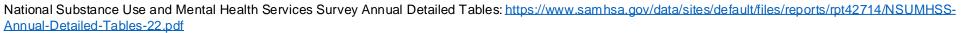
☐ Including tobacco treatment as part of mental health treatment and wellness





Percentage of Mental Health Treatment Facilities Engaged in Tobacco Control Efforts (2022)





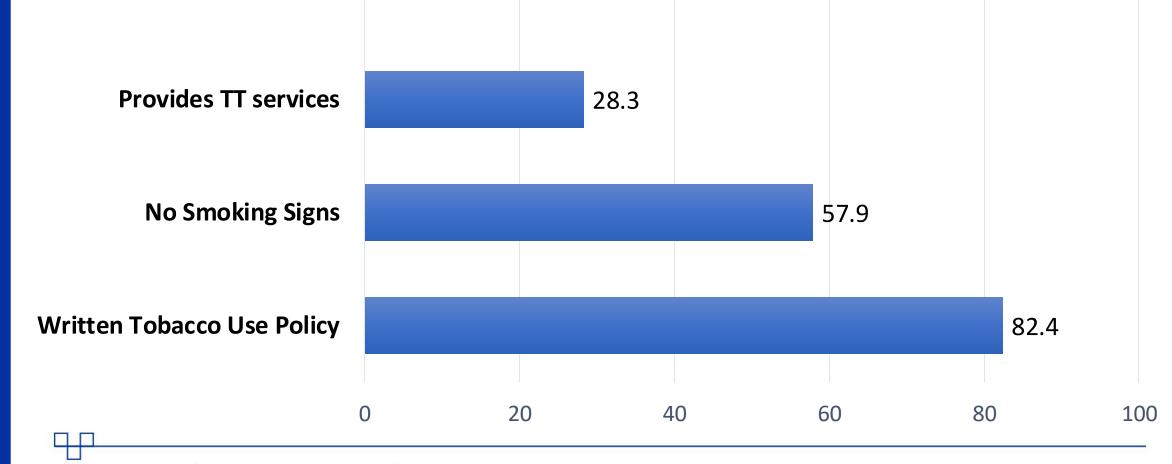


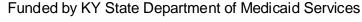
Percentage of Substance Use Treatment Facilities Engaged in Tobacco Control Efforts (2022)

■ Kentucky (n=486) 79.8 80.0 ■ U.S.A (N=14854) 67.4 63.8 56.0 Percent % 60.0 45.0 37.9 35.8 40.0 33.5 32.3 33.0 17.5 20.0 10.1 0.0 Comprehensive vape-Screen Offer Counseling Offer NRT Offer Pharmacotherapy Comprehensive Smoke-(non-nicotine) free free



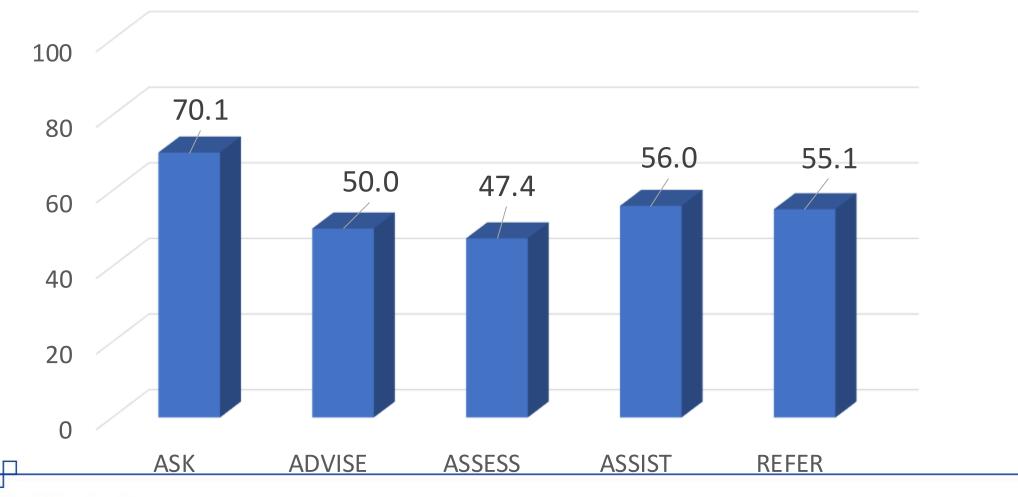
Percentage of Kentucky Community Mental Health Center Programs (N=159) providing tobacco control strategies (2019-2020)

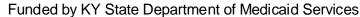




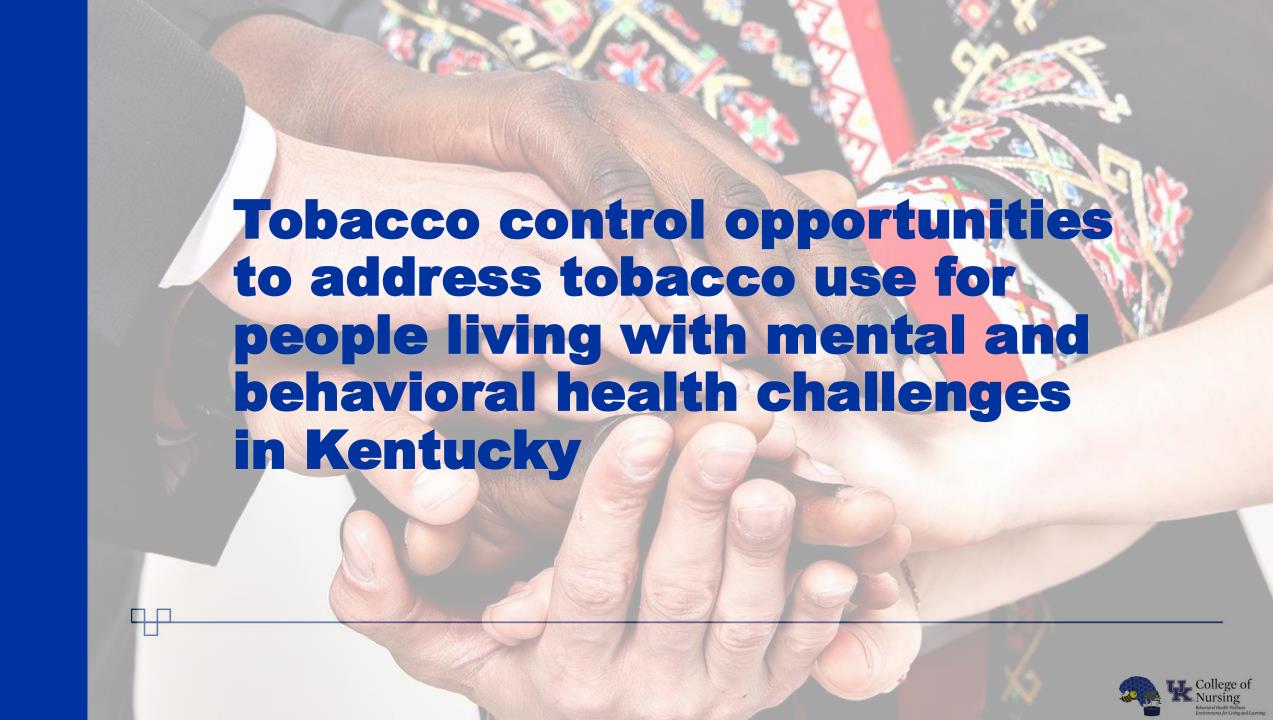


Percentage of Kentucky Community Mental Health Center Programs (N=159) reporting that their programs provide evidence-based tobacco treatment (2019-2020)







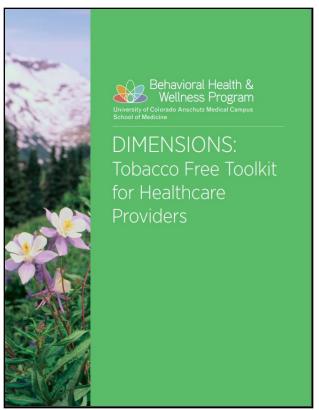


National and State Tobacco Control Program Goals

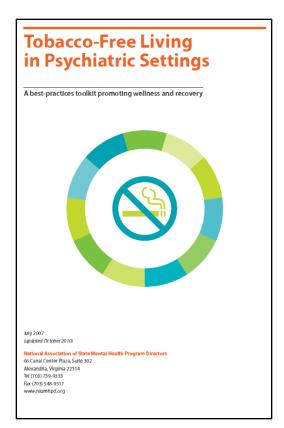
Eliminate	Exposure to secondhand smoke		
Promote	Tobacco treatment among adults and youth		
Prevent	Initiation among youth and young adults		
Advance	Health equity by identifying and eliminating commercial tobacco product-related inequities and disparities		

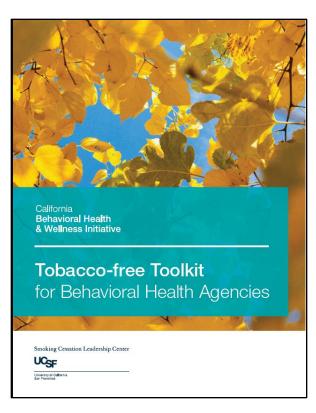


Tool-kits for tobacco-free spaces tailored to behavioral health settings













Quit Now Kentucky

Connect with your personal coach today. Click to chat, call 1-800-QUIT-NOW (784-8669), or Sign









Freedom From Smoking® Group Clinic Program





Freedom from Smoking Clinic Programs

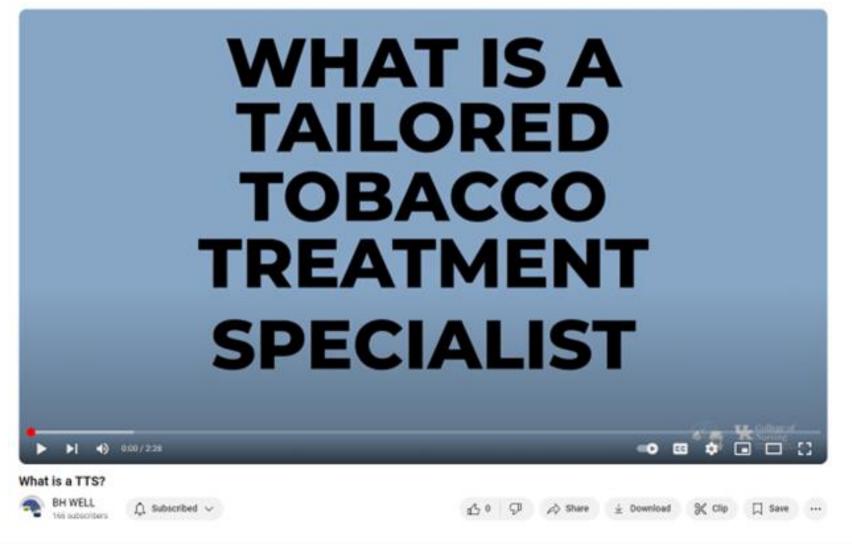




Tobacco Treatment Specialist Training for Healthcare Providers



TOBACCO TREATMENT SPECIALISTS







TTS SCHOLARSHIPS

Through the generous support of the Kentucky Tobacco Prevention and Cessation Program, BH WELL has been able to offer scholarships for the BREATHE Online Tobacco Treatment Specialist (TTS) Training to individuals who are working at behavioral health organizations in Kentucky.

Total Number of TTS Scholarship Completions by Year

Year	Number of Trained TTSs
2020*	20
2021	12
2022	4
2023	11
2024	4 (as of 10/1/24)
TOTAL	51

^{*2020} scholarships were funded by the Kentucky Department for Medicaid Services.



BH WELL's Resources and Initiatives





https://bhwell.uky.edu





BH WELL Team

Faculty



Chizimuzo Okoli, PhD, MPH, MSN, PMHNP-BC, APRN, NCTTP, FAAN Executive Director & Professor



Lee Anne Walmsley, PhD, EdS, MSN, RN Associate Professor



Lovoria Williams, PhD, FNP-BC, FAAN Associate Professor



Dianna Inman, DNP, APRN, PMHNP,CPNP Adjunct Professor



Holly Stith, DNP, APRN, PMHNP-BC, Assistant Professor



Amanda Lykins, DNP, RN-BC Assistant Professor



Stephanie Kehler, PhD, RN, CHSE Assistant Professor



Andrew Makowski, DNP, PMHNP, APRN Assistant Professor



Andrew Cooley, MD Associate Professor & Chief Medical Officer, Eastern State Hospital

Multi-Disciplinary Professionals



Heather Robertson, MPA *Director of Executive Operations*



Emily Koyagi, MPA Program Manager



Michele Gully, BA Graphic Artist



Kylie Pemberton, MA *Program Coordinator*

Graduate Students



Tianyi Wang, MS Statistics



Sarret Seng, BSN, BA Nursing



Claudia Robertson, BSc Occupational Therapy



Pooja Bhattari, MS
Nursing

Visiting Scholar

Scholars



Qingfang Liang, PhD *Visiting Scholar*

Post-Doctoral Scholar



Bassema Abu Farsakh, PhD

Undergraduate Students



Meaghan Haddix Research Intern



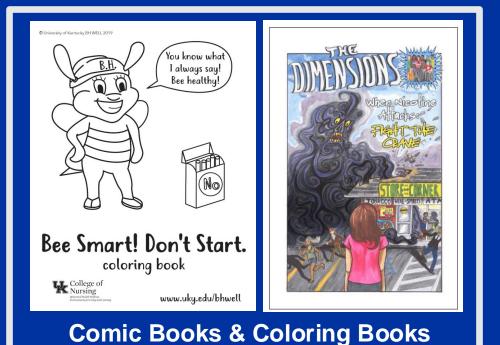
Kayla VargasNursing Student



Shane Landis
Nursing Student

















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Welcome to BH WELL's Message Resource Center!

Free print templates tailored for behavioral health organizations and those they serve are available to help educate your community about tobacco treatment.

The advertisement templates feature:

- High quality design
- Evidence-based media messages
- . The option to customize by adding your contact information and logo
- · Various media formats (e.g., billboards, postcards, newspaper ads) to fit your specific needs.

View by Media Message				
Message 1: "It's okay if you're not able to stop using tobacco the first time you try. You have to keep trying. I did and it's worth it."	+			
Message 2: "It took several attempts but I stopped using tobacco. I am proud of myself. Every day I am getting better and healthier."	+			
Message 3: "I didn't want to be the next family member to suffer from lung cancer because of tobacco use. It just isn't worth the risk."	+			
Message 4: "When I was using tobacco, cravings controlled my life. Now I'm in control."	+			
Message 5: "I didn't realize how much my life was impacted by tobacco use; but since stopping, I can run further and I feel better."	+			
Message 6: "As a tobacco treatment specialist, I walk alongside my patients on their journey to stop tobacco use. Not everyone gets the same success at the same time. I support and celebrate every attempt to stop."	+			
Message 7: "As a tobacco treatment specialist, I know that every quit attempt is closer to the final quit. It is important to never give up."	+			
Message 8: "Stopping tobacco use supports recovery and mental well-being."	+			
Message 9: "A tobacco-free space provides an environment that supports wellness and empowers people who want to stop tobacco use."	+			
Message 10: "Stopping tobacco use is challenging but you've got this. Reach out to your health care provider for support."	+			







View by Media Format	
Push Card (3.66" X 8.5")	+
Poster (11 X 17")	+
Postcard (6" X 4.25")	+
PowerPoint	+
Newspaper Ads (5" X 7")	+
Billboard	+
Facebook (4" X 5")	+



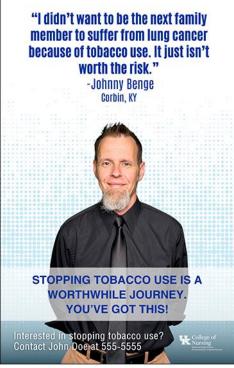




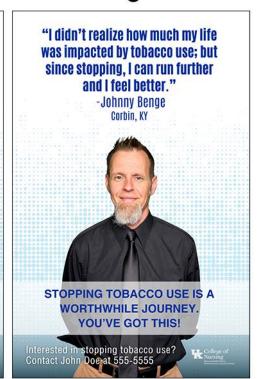




















THINKING ABOUT STOPPING?

TOBACCO TREATMENT SPECIALISTS ARE

HERE TO HELP.

Interested in stopping tobacco use?

t John Doe at 555-5555







8

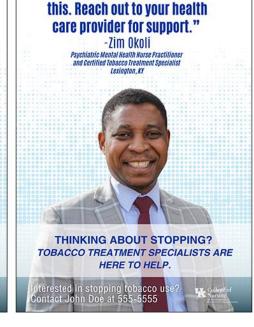
"Stopping tobacco use



THINKING ABOUT STOPPING?

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10

"Stopping tobacco use is

challenging but you've got







CUSTOMIZED MESSAGES



Franklin County Health Department Frankfort, KY



RiverValley Behavioral Health Owensboro, KY





CE TRAINING OPPORTUNITY







https://bit.ly/StoppingSmokingMindfully

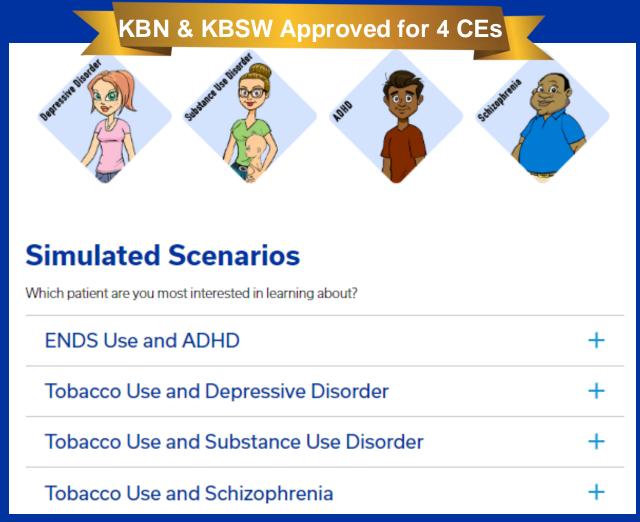




CE TRAINING OPPORTUNITY









https://bit.ly/BHWELL_ SimulatedScenarios





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