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Self-Study Module

# “Vaping and Drug Disorders”

*Created from a recording of the  
January 29, 2024, Monday Noon CME Conference.*



## **GUEST PRESENTERS**

**William A. Highberger, M.D.**

LM Addiction Medicine

**Elizabeth A. Yoder, D.O.**

LM Behavioral Health

### **Learner Instructions:**

To obtain CME credits for this activity, the learner must watch the recording, then complete the survey monkey posttest/evaluation link. Resources have been provided for learners below.

**Accreditation:** Licking Memorial Hospital is accredited by the Ohio State Medical Association to provide continuing medical education for physicians.

**Designation:** Licking Memorial Hospital designates this enduring material activity for a maximum of **1 AMA PRA Category 1 Credit™**. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

### **Presenters Disclosure:**

William A Highberger, M.D., and Elizabeth Yoder, D.O., faculty for this educational activity have no relationships with ineligible companies to disclose.

**Planners and Reviewers Disclosure:** The following Medical Education Planning and Library Committee members of this activity The following Medical Education Planning and Library Committee members of this activity \*Craig B. Cairns, M.D., M.P.H., Chair, Vice President Medical Affairs; Bashar Alawad, M.D., Hospital Medicine; Emilia N.U. Anigbo, M.D., Pulmonology; Garth A. Bennington, M.D., Family Practice; Joseph E. Fondriest, M.D., Radiology; Thomas Hagele, M.D., Dermatology; John P. Lazar, M.D, Pediatrics; Henry Y. Lu, M.D., Anesthesiology; May U. Mbah, D.O., Hospital Medicine; Elizabeth W. McIntosh, M.D., Family Practice; Nicole C. Miller, D.O., Pathology; D'Anna N. Mullins, M.D., Oncology; Gurunanthan Palani, M.D., Endocrinology; Elizabeth A. Yoder, D.O., Psychiatry; Virginia Andrews, R.N., Quality Manager; Jean L. Glaser, RPh, Pharm D, Director of Pharmacy; Stephen J. Gombos II, MT(ASCP), Director of Laboratory; Christine Long, BSN, RN, Risk Manager; Kimberly M. Mathis, Patient Experience Manager; Lorei A. Kraft, BS, MT(ASCP)SH, Assistant Vice President Laboratory and Oncology Services; Brian K. Thatcher, Director of Quality Management and Process Improvement; Haley Williams, MHA, MLS (ASCP)™, Infection Preventionist; Angela J. Wallace, MSN, R.N., Director of Surgery; Janet Wells, Medical Staff Services Manager, and Jessica Adamson, CME Coordinator, which are planners, reviewers, for this educational event. Individuals identified have no relevant financial relationship(s) with ineligible companies to disclose. These committee members are not personally compensated for their role.

### **ACTIVITY INFORMATION**

Created: 01/29/2024 Review Due: 01/29/2026

Active Period: 01/29/2024 – 01/29/2026

Activity Duration: 1 hour to complete.

Activity media: Video recording of Friday Noon CME.

Audience: Appropriate for all primary care and specialty physicians, along with clinical care partners and clinical staff.

### **RESOURCES:**

Brausch AM, Whitfield M, Clapham RB. Comparisons of mental health symptoms, treatment access, and self-harm behaviors in rural adolescents before and during the COVID-19 pandemic. *Eur Child Adolesc Psychiatry.* 2023 Jun;32(6):1051-1060. doi: 10.1007/s00787-022-02039-x. Epub 2022 Jul 11. PMID: 35817947; PMCID: PMC9273705.  
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC9273705/>

Turner BJ, Robillard CL, Ames ME, Craig SG. Prevalence and Correlates of Suicidal Ideation and Deliberate Self-harm in Canadian Adolescents During the Coronavirus Disease 2019 Pandemic. *Can J Psychiatry.* 2022 May;67(5):403-406. doi: 10.1177/07067437211036612.

Epub 2021 Aug 11. PMID: 34378420; PMCID: PMC9065494.

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC9065494/>

## **Objectives**

At the conclusion of this session, attendees will be able to:

- Identify differences in presentation of depression between adults and teenagers
- Describe best practices for effective communication with teens
- Discuss impact of age of first use of mood altering substances
- Identify basic neural pathways involved in addiction