Boston University

OpenBU **http://open.bu.edu**

Department of Pediatrics BU Research Data

2020-06-15

Training in adolescent substance use and opioid misuse in US pediatric residency programs: a national survey

https://hdl.handle.net/2144/41197

Boston University

You are being asked to voluntarily participate in a research study. We are doing this study to assess pediatric residency education on adolescent substance use and opioid misuse. If you agree, we will ask you to complete the 10-minute survey that follows.

Although you will have the option to provide you name and contact information so that you can be entered in a drawing to win one of four $300 cash card prizes, your answers will remain confidential and all study results will only be reported in aggregate. You will not be signing this form. Your chances of winning one of the four prizes are approximately one in 54.

We propose that you might spend this prize money on a paid lunch or other special occasion for your residents, or you can spend it however you like. If you have any questions about this study, please contact Scott Hadland at scott.hadland@bmc.org or 617-414-3681.

Section A: Introduction

This brief survey will ask questions about adolescent substance use.

Some questions refer to use of 'any substances.' For these questions, please consider use of all substances, including tobacco, e-cigarettes, alcohol, marijuana, cocaine, and other illicit substances, *as well as opioids.*

Other questions refer to 'opioid misuse.' For these questions, please consideer use of heroin and illicit fentanyl, as well as misuse of prescription opoids, such as oxycodone, hydrocodone, hydromorphone, methadone, codeine, and others.

Section B: Residency

B1. What is your role in residency training?

- Associate Program Director ☐
- Program Director ☐
- Rotation Director ☐
- Chief Resident ☐
- Other Faculty Member ☐

B2. Please provide your best estimate of how often residents in your program take care of adolescent patients who use any substances (tobacco, alcohol, marijuana, cocaine, heroin, illicit fentanyl, prescription opioids, or other substances):

- Frequently ☐
- Sometimes ☐
- Rarely ☐
- Never ☐
- Unsure ☐

B3. How important is it for pediatric residents to have education about adolescent substance use (tobacco, alcohol, marijuana, cocaine, heroin, illicit fentanyl, prescription opioids, or other substances)?

- Very important ☐
- Important ☐
- Somewhat important ☐
- Not important ☐

B4. Please provide your best estimate of how often residents in your program take care of adolescent patients who misuse opioids (heroin, illicit fentanyl, or prescription opioids):

- Frequently ☐
- Sometimes ☐
- Rarely ☐
- Never ☐
- Unsure ☐

B5. **How important is it for pediatric residents to have education about adolescent opioid misuse (heroin, illicit fentanyl, or prescription opioids)?**

- ☐ Very important
- ☐ Important
- ☐ Somewhat important
- ☐ Not important

Section C: Curriculum

C1. **Does your current residency curriculum include any teaching on adolescent substance use (tobacco, alcohol, marijuana, cocaine, heroin, illicit fentanyl, prescription opioids, or other substances)?**

- ☐ Yes
- ☐ No
- ☐ Unsure

C2. **To what degree are the following topics on adolescent substance use (tobacco, alcohol, marijuana, cocaine, heroin, illicit fentanyl, prescription opioids, or other substances) covered as a part of your standard residency curriculum?**

	Established Content (content has been part of your curriculum for ≥ 2 years)	New Content (content has been part of your curriculum for <2 years)	Planned Content (content not currently offered but you plan to add it in the next 2 years)	No Content (content not currently offered and not in development)	Unsure
Epidemiology	☐	☐	☐	☐	☐
Screening for substance use	☐	☐	☐	☐	☐
Brief interventions for substance use	☐	☐	☐	☐	☐
Treatment of substance use disorder	☐	☐	☐	☐	☐

C3. **What, if any, other topics related to adolescent substance abuse are covered as part of your standard curriculum?**

C4. To what degree are the following topics related to opioid misuse (heroin, illicit fentanyl, or prescription opioids) covered as a part of your standard residency curriculum?

	Established Content (content has been part of your curriculum for ≥2 years)	New Content (content has been part of your curriculum for <2 years)	Planned content (content not currently offered but you plan to add it in the next 2 years)	No content (content not currently offered and not in development)	Unsure
Epidemiology	☐	☐	☐	☐	☐
Emergence of illicit fentanyl	☐	☐	☐	☐	☐
Screening for adolescent opioid misuse	☐	☐	☐	☐	☐
Pharmacotherapy for opioid use disorder (e.g., buprenorphine, naltrexone)	☐	☐	☐	☐	☐
Treating opioid overdose	☐	☐	☐	☐	☐
How to prescribe naloxone for patients and families	☐	☐	☐	☐	☐
Safe opioid prescribing	☐	☐	☐	☐	☐
Neonatal abstinence syndrome	☐	☐	☐	☐	☐

C5. In what settings is your curriculum on adolescent substance use currently delivered? Please consider all substances (i.e., tobacco, alcohol, marijuana, cocaine, heroin, illicit fentanyl, prescription opioids, or other substances).

	Delivered in this setting	Not delivered in this setting	Unsure
Required didactics	☐	☐	☐
Elective didactics	☐	☐	☐
Required clinical experiences	☐	☐	☐
Elective clinical experiences	☐	☐	☐
Required online modules	☐	☐	☐
Elective online modules	☐	☐	☐

C6. In what other settings, if any, is your curriculum on adolescent substance use delivered?

C7. To your knowledge, which faculty currently provide most of your education on adolescent substance use in your residency program? Please consider all substances (i.e., tobacco, alcohol, marijuana, cocaine, heroin, illicit fentanyl, prescription opioids, or other substances).(Select all that apply.)

- ☐ Hospitalists
- ☐ Primary Care Pediatricians
- ☐ Adolescent Medicine Specialists
- ☐ Addiction Medicine Specialists
- ☐ Psychiatrists
- ☐ Medical Toxicologists
- ☐ Pediatric Emergency Medicine Specialists
- ☐ Residents/Chief Residents
- ☐ Social workers
- ☐ Psychologists
- ☐ Nurses
- ☐ Unsure
- ☐ Other

Other

C8. Please estimate how many hours of formal didactic curriculum on adolescent substance use residents receive across 3 years of residency. Please consider all substances (i.e., tobacco, alcohol, marijuana, cocaine, heroin, illicit fentanyl, prescription opioids, or other substances).

C9. **To your knowledge, what percentage of this time is dedicated to education about adolescent opioid misuse (heroin, illicit fentanyl, or prescription opioids)?**

- [ ] 0%
- [ ] 1-25%
- [ ] 26-50%
- [ ] 51-75%
- [ ] 76-100%
- [ ] Unsure
- [ ] Other

Other

Section D: Patient Care

D1. **In inpatient settings where your residents practice, do you have protocols or processes in place for managing adolescents with opioid addiction?** ***(Some examples might include managing acute opioid withdrawal, or managing acute pain in a patient with opioid addiction.)***

- [ ] Yes
- [ ] No
- [ ] Unsure

D2. **Which providers direct opioid-related management of these patients during inpatient admissions?**

- [ ] Addiction Medicine Team
- [ ] Pain Team
- [ ] Adolescent Medicine Team
- [ ] Psychiatry Team
- [ ] Addiction Psychiatry Team
- [ ] Medical Toxicology Team
- [ ] Hospital Medicine Team

Other ☐

Other

D3. To your knowledge, is the 8-hour training to become a waivered buprenorphine prescriber available in your medical system?

Yes ☐

No ☐

Unsure ☐

D4. What is your best estimate of the percentage of your pediatric residents that have completed the 8-hour training to become a waivered buprenorphine prescriber?

0% ☐

1-25% ☐

26-50% ☐

51-75% ☐

76-100% ☐

Section E: Educational Quality

E1. How would you rate the education about adolescent substance use in your pediatric residency program overall? Please consider all substances (i.e., tobacco, alcohol, marijuana, cocaine, heroin, illicit fentanyl, prescription opioids, or other substances).

Very Good ☐

Good ☐

Fair ☐

Poor ☐

Very Poor ☐

Unsure ☐

E2. How would you rate the education about adolescent opioid misuse (heroin, illicit fentanyl, or prescription opioids) in your pediatric residency program overall?

- ☐ Very Good
- ☐ Good
- ☐ Fair
- ☐ Poor
- ☐ Very Poor
- ☐ Unsure

E3. What are the barriers to providing education on adolescent opioid misuse (heroin, illicit fentanyl, or prescription opioids) in your pediatric residency program?

- ☐ Lack of resident time
- ☐ Lack of resident interest
- ☐ Lack of faculty expertise
- ☐ Lack of faculty interest
- ☐ Lack of available curricular content
- ☐ Lack of curricular time
- ☐ Lack of adolescent patients who use substances
- ☐ Perceived difficulty of working with adolescents who misuse opioids
- ☐ Other

Other

E4. Would you be interested in a shared, web-based curriculum on adolescent opioid misuse (heroin, illicit fentanyl, or prescription opioids) and related topics?

- ☐ Yes
- ☐ No
- ☐ Maybe

Section F: Demographics

F1. In what county (e.g., Miami-Dade county) is your residency program primarily located?(Please do not provide your *country*.)

F2. What percentage of residents in your program go into:

Primary Care

Subspecialty

Other

F3. Is there an outpatient adolescent substance use treatment program affiliated with your institution?

Yes ☐

No ☐

Unsure ☐

Section G: Contact Information for Prize Drawing

This last page asks you to fill in your contact information (i.e., name, email address, phone number) for the sole purpose of determining the prize drawing. There are four $300 cash card prizes, your answers will remain confidential, and all study results will only be reported in aggregate. Your chances of winning one of the four prizes are approximately one in 54. The information you provide will be de-identified from your responses. In other words, your responses will not be attached to your contact information. If you would like to be entered into the drawing, we ask that you provide your name and email.

G1. If you want to be entered into the prize drawing, please provide your contact information below. This will not be linked to any of your responses.

Name

Email

Phone Number