



FACING ADDICTION IN AMERICA

*The Surgeon General's
Spotlight on Opioids*



U.S. Department of Health & Human Services

Facing Addiction in America The Surgeon General's Spotlight on Opioids



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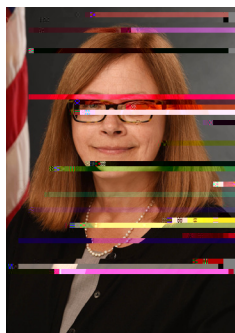
Message from the Secretary, U.S. Department of Health and Human Services



The opioid misuse and overdose crisis touches everyone in the United States. In 2016, we lost more than 115 Americans to opioid overdose deaths each day, devastating families and communities across the country. Preliminary numbers in 2017 show that this number continues to increase with more than 131 opioid overdose deaths each day. The effects of the opioid crisis are cumulative and costly for our society—an estimated \$504 billion a year in 2015—placing burdens on families, workplaces, the health care system, states, and communities.

Addressing the opioid crisis is a priority for this Administration, and the U.S. Department of Health and Human Services (HHS) is leading the public health (e)9. (e)b5 (r)-21 esnd me10

Foreword from the Assistant Secretary for Mental Health and Substance Use



After many years combating the opioid epidemic on the front lines of addiction psychiatry, I returned to the Substance Abuse and Mental Health Services Administration (SAMHSA) to do everything possible to ensure that American families and communities do not continue to lose their loved ones to opioids.

Now is the time to work together and apply what we know to end this epidemic once and for all. Medication-assisted treatment (MAT) combined with psychosocial therapies and community-based recovery supports is the gold standard for treating opioid addiction.

There is strong scientific evidence that this combination of therapeutic interventions is life-saving and can enable people to recover to healthy lives. SAMHSA is joining forces with agencies across HHS and the federal government to increase access to these evidence-based interventions—especially in communities hardest hit by the opioid crisis. We are (1) working with states and their communities to increase access to prevention, treatment and recovery support services for opioid use disorder; (2) supporting providers' efforts to offer specialized treatment to pregnant and postpartum women with opioid use disorder and their opioid-exposed infants; (3) promoting early intervention and treatment as healthier alternatives to detaining people with opioid addiction in our criminal justice systems; (4) and facilitating the expansion of telemedicine to deliver MAT to people in need in rural communities and to enhance rural providers' skills.

To help remove the societal stigma for those seeking addiction treatment, we have implemented new changes to the federal rules governing confidentiality and disclosures of substance use disorder patient records. Our workforce efforts include support for a variety of trainings and resources to prevent over prescribing and diversion of prescription medications and initiatives to increase the number of qualified health care providers who can offer treatment for opioid use disorder. In the crucial area of overdose prevention, we are increasing the distribution of naloxone and expanding training to first responders, prescribers, patients, employers, and family members on how to administer this life-saving antidote.

With the Office of the Surgeon General, SAMHSA has produced [Spotlight on Opioids](#) a document that offers practical information and guidance that individuals and systems can use to take action. I urge you to use it as a resource as you consider what you can do to help end this crisis and save lives. Inside and outside of government, at the national, state and local level, and in every community across this nation, we must join forces to turn the tide against the opioid crisis.

ELINORE F. McCANCE-KATZ, M.D., Ph.D.

Assistant Secretary for Mental Health and Substance Use
Substance Abuse and Mental Health Services Administration

Preface from the Surgeon General, U.S. Department of Health and Human Services

My family and I are among the millions of Americans affected by substance use disorder. My younger brother has struggled with this disease, which started with untreated depression leading to opioid pain reliever misuse. Like many with co-occurring mental health and substance use disorder conditions, my brother has cycled in and out of incarceration. I tell my family's story because far too many are facing the same worries for their loved ones. We all ask the same question: How can I contribute to ending the opioid crisis and helping those suffering with addiction?

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Introduction and Overview

All across the United States, individuals, families, communities, and health care providers are struggling to cope with the impacts of the opioid crisis. Opioid misuse and opioid use disorders have devastating effects. As we see all too often in cases of overdose deaths, lives end prematurely and tragically. Other serious consequences include neonatal abstinence syndrome and transmission of infectious diseases such as HIV and viral hepatitis, as well as compromised physical and mental health. Social consequences include loss of productivity, increased

address substance misuse across the community.

The Office of the Surgeon General and the Substance Abuse and Mental Health Services Administration (SAMHSA) developed this Spotlight on Opioids from the Surgeon General's Report, in order to provide opioid-related information in one, easy-to-read document. Although Spotlight on Opioids does not include new scientific information, it provides the latest data on prevalence of substance use, opioid misuse, opioid use disorders, opioid overdoses, and related harms. This document sometimes

Opioids: The Current Landscape

To obtain a copy of *Facing Addiction in America: The Surgeon General's Report on Alcohol, Drugs, and Health*, please visit <https://addiction.surgeongeneral.gov>. Please refer to that Report for more in-depth discussion of the topics presented here.

Historically, opioids have been used as pain relievers. However, opioid misuse presents serious risks, including overdose and opioid use disorder. The use of illegal opioids such as heroin—a highly addictive drug that has no accepted medical use in the United States—and the misuse of prescription opioid pain relievers can have serious negative health effects. Fentanyl is a synthetic opioid medication that is used for severe pain management and is considerably more potent than heroin. Sometimes, prescription fentanyl is diverted for illicit purposes. But fentanyl and pharmacologically similar synthetic opioids are also illicitly manufactured and smuggled into the United States.

These illicitly made synthetic opioids are driving the rapid increase in opioid overdose deaths in recent years.³⁻⁵ Illicitly made fentanyl and other pharmacologically similar opioids are often mixed with illicit substances such as heroin. They can also be made into counterfeit prescription opioids or sedatives and sold on the street.

PREVALENCE OF OPIOID MISUSE AND OPIOID USE DISORDER

older were estimated to have a heroin use disorder.

Specialty treatment is defined as receiving treatment at a substance use rehabilitation facility (inpatient or outpatient), hospital (inpatient services only), and/or mental health center. Only 54.9 percent of those aged 12 and older with heroin use disorder received treatment for illicit drug use at a specialty treatment facility. Only 28.6 percent of those aged 12 and older with an opioid use disorder in the past year received treatment for illicit drug use at a specialty treatment facility.⁶

OPIOID OVERDOSE DEATHS

Opioids can depress critical areas in the brain that control breathing, heart rate, and body temperature and cause them to stop functioning. Opioids were involved in 42,249 deaths in 2016—more than 115 deaths every

with transmission of HIV, viral hepatitis, other blood-borne diseases (e.g., endocarditis, a life threatening heart valve infection), and bacterial infections, including antibiotic resistant organisms (e.g., Methicillin-resistant Staphylococcus aureus or MRSA). Approximately, one in 10 new HIV diagnoses occur among people who inject drugs. The CDC has observed a steady decline in HIV diagnoses attributable to injection drug use since the mid-1990s, but progress may be slowing. Reported rates of acute hepatitis C virus (HCV) infection have also increased significantly. The opioid crisis is helping to fuel these increases as well as rising health care costs associated with treating these conditions.

IMPORTANCE OF PREVENTION, SCREENING, EARLY INTERVENTION, AND TREATMENT

The risk of death and other significant consequences of opioid misuse highlight the importance of prevention, screening, and treatment for substance use disorders. Evidence-based interventions to prevent substance use, misuse and addiction target risk factors and enhance protective factors. Such interventions need to begin early in life to delay or prevent initiation of substance use and continue throughout the lifespan. For example, childhood trauma like adverse childhood experiences (ACEs) have been repeatedly linked to substance misuse.^{19, 20} Primary prevention can also begin in the healthcare setting with prescribers using effective strategies to reduce overdoses involving prescription opioids such as safe

includes links and descriptions to nearly 250 tools and resources available for health care professionals, patients, and communities to help implement MAT in primary care settings.

The Centers for Medicare and Medicaid Services (CMS) is now offering a more flexible, streamlined approach to accelerate states' ability to respond to the national opioid crisis through section 1115 demonstrations announced in November 2017. The Medicare program is focused on prescription opioid safety, access to MAT, and non-opioid alternatives for pain management.

The HHS Center for Faith-Based and Neighborhood Partnerships created the [Opioid Epidemic Practical Toolkit](#) to equip local communities—lay persons, faith groups, non-profits, and health care providers—with practical steps to bring hope and healing to the millions suffering the consequences of opioid misuse.

REASONS FOR OPTIMISM

Despite the challenges, this is a time of great hope and opportunity. Research on alcohol and drug use and addiction has led to an increase of knowledge and to one clear conclusion: Addiction to alcohol or drugs is a chronic but treatable brain disease that requires medical intervention, not moral judgment. Additionally, policies and programs have been developed that are effective in preventing alcohol and drug misuse, and reducing its negative effects. Addressing risk and protective factors for indoor

(21 U.S.C. 823(g)(2)(D)(iii)) Naltrexone-XR can be prescribed

Neurobiology of Substance Use, Misuse, and Addiction

Severe substance use disorders (commonly called addictions) were once viewed largely as a moral failing or character flaw, but are now understood to be chronic diseases that are subject to relapse, and characterized by clinically significant impairments in health, social function, and voluntary control over substance use. All addictive substances—including opioids—have

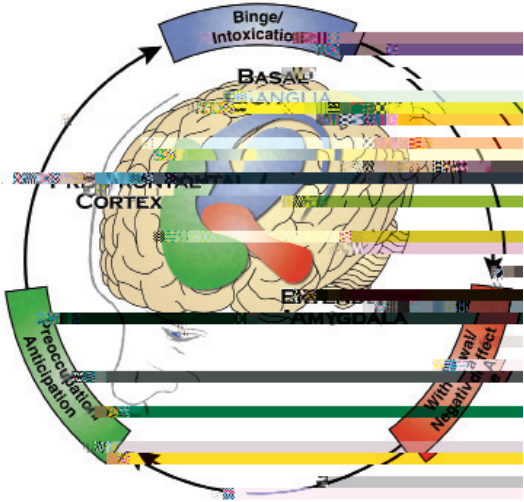


Figure 1: The Three Stages of the Addiction Cycle and the Brain Regions Associated With Them

KEY TERMS

Relapse: A return to substance use after a period of abstinence.

The Continuum of Care for Substance Misuse and Substance Use Disorders

Effective identification, intervention, and integration of prevention, treatment, and recovery services across health care systems is key to addressing substance misuse and its consequences, and it represents the most promising way to improve access to and quality of treatment. The continuum of care approach is a strategy to promote this integration by providing individuals an array of service options—including prevention, early intervention, treatment, and recovery support—based on need.

PREVENTION

Substance misuse can put individual users and others around them at risk of harm, whether or not they have a disorder. Also, early initiation of substance use, substance misuse, and substance use disorders are associated with a variety of negative consequences, including deteriorating relationships, poor school performance, loss of employment, diminished mental health,



can offer prevention advice, screen patients for substance misuse and substance use disorders, as well as risk factors for substance use such as childhood trauma and ACEs, and provide early interventions in the form of motivational approaches.^{42, 43}

Primary care has a central role in this process, because it is the site for most preventive and ongoing clinical care for patients and the hub for specialty care. The U.S. Preventive Services Task Force (USPSTF) recommends that clinicians screen adults aged 18 years or older for alcohol misuse and provide persons engaged in risk or hazardous drinking with brief behavioral counseling interventions to red (s)TJ T* [(s)5 (c(a)4r)5 (e)-7 (d)6.3 (i)5.5 tTJ T* [(a)13ge24 (e)i6 ()TJ T* [git i (n a)5.5 (rs-25.5 (y c1)8.8 (c)13 (is)5 (c)1.18(ol)-.5 (t)m)5.2 (o)12 (st pi.6 (e i (is)5 (c-15 3t)-24s(c)203

associated with reductions in opioid overdose mortality.⁴⁶ PDMPs serve many purposes beyond preventing inappropriate prescribing—they can be leveraged as a clinical decision support, a public health surveillance tool, and have utility to the public safety sector, especially as interstate and intrastate interoperability improve.

TREATMENT AND MANAGEMENT

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Table 1: What People Should Look for in a Treatment Program



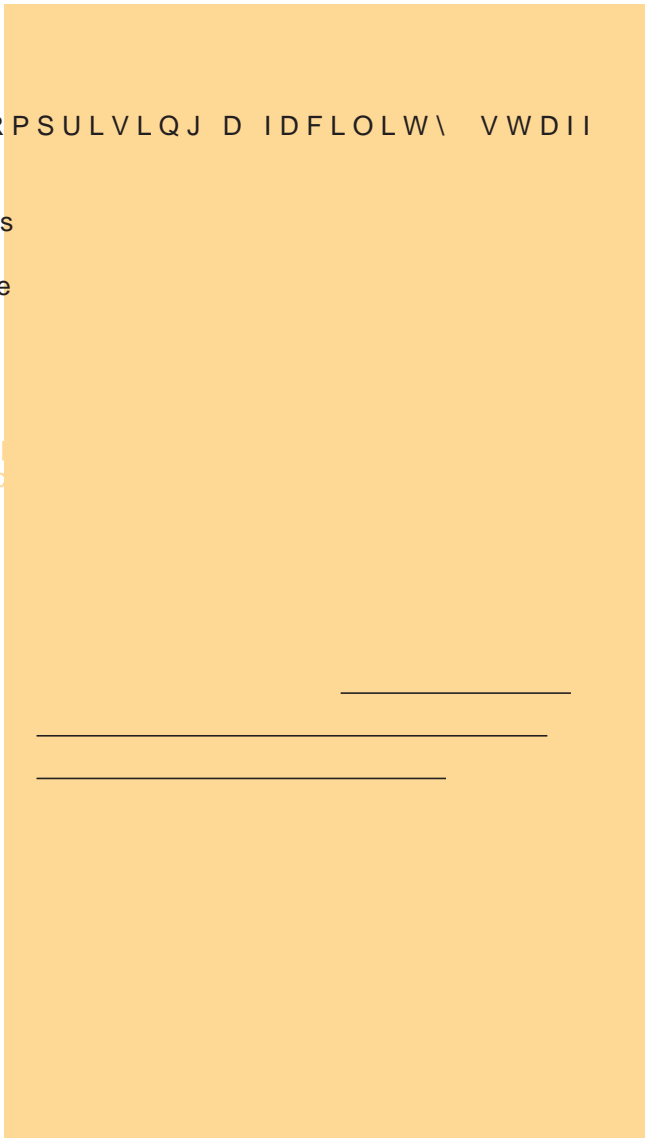
MEDICATIONS AND MEDICATION-ASSISTED TREATMENT (MAT) FOR OPIOID USE DISORDERS.

Comprehensive MAT programs include behavioral therapies and psychosocial supports as well as medication. The FDA has approved medications for use in the management of

KEY TERM

Opioid Treatment Program (OTP): SAMHSA-
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administration, patients, and services, that engages
in supervised assessment and treatment, using
methadone, buprenorphine, or naltrexone, of individuals
who have opioid use disorders. An OTP can exist in a
number of settings, including but not limited to intensive
outpatient, residential, and hospital settings. Services
may include medically supervised withdrawal and/or
maintenance treatment, along with various levels of
medical, psychiatric, psychosocial, and other types of
supportive care. in210.3D [587 deF00030d2 up(a)5-1(
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KEY TERM

Agonist: A chemical substance that binds to and activates certain receptors on cells, causing a biological response. Fentanyl and methadone are examples of opioid receptor agonists.

State agencies that oversee substance use disorder treatment programs use a variety of strategies to promote implementation of MAT, including education and training, financial incentives (e.g., linking funding to the provision of MAT), policy mandates, and support for infrastructure development.⁷⁸ Nevertheless, multiple factors create barriers to widespread use of MAT. These include provider, public, and client attitudes and beliefs about MAT; lack of an appropriate infrastructure for providing medications; payment policies; need for staff training and development; and legislation, policies, and regulations that limit MAT implementation.⁷⁸

The use of opioid agonist medications to treat opioid use disorders has always had its critics. Many people, including some policymakers, authorities in the criminal justice system, and treatment providers, have viewed maintenance treatments as “substituting one substance for another”⁷⁹ and have adhered instead to an abstinence-only philosophy that avoids the use of medications, especially those that activate opioid receptors. Such views are not scientifically supported; the research clearly demonstrates that opioid agonist therapy leads to better treatment outcomes compared to behavioral treatments alone. Moreover, withholding medications greatly increases the risk of relapse to illicit opioid use and overdose death. Decades of research have shown that the benefits of opioid agonist therapy greatly outweigh the risks associated with diversion.⁸⁰⁻⁸²

MAT FOR CRIMINAL JUSTICE POPULATIONS

Upon release, incarcerated individuals will have lower tolerance to opioids. They are at high risk for overdose and death if they return to opioid use in the community. There is typically insufficient pre-release counseling and post-release follow-up provided to this population to reduce these risks. Research findings from randomized controlled trials indicate that people involved in the criminal justice system benefit from methadone maintenance (pre- and post-release) and extended-release naltrexone treatment.

BEHAVIORAL THERAPIES.

These structured therapies help patients recognize the impact of their behaviors—such as dealing with stress or interacting in interpersonal relationships—on their substance use and ability to function in a healthy, safe, and productive manner. They can be provided in individual, group, and/or family sessions in virtually all treatment settings.^{82,83} Behavioral

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Recovery: The Many Paths to Wellness

People can and do recover. Recovery from substance use disorders has had several definitions. Although specific elements of these definitions differ, all agree that recovery goes beyond the remission of symptoms to include a positive change in the whole person. In this regard, “abstinence,” though often necessary, is not always sufficient to define recovery. There are many paths to recovery. People will choose their pathway based on their cultural values, their psychological and behavioral needs, and the nature of their substance use disorder.

Successful recovery often involves making significant changes to one’s life to create a supportive environment that avoids substance use or misuse cues or triggers. Recovery can involve changing jobs or housing, finding new friends who are supportive of one’s recovery, and engaging in activities that do not involve substance use. This is why ongoing RSS in the community after completing treatment can be invaluable for helping individuals resist relapse and rebuild lives that may have been devastated by years of substance misuse.

RSS are not the same as treatment and have only recently been included as part of the health care system. The most well-known approach, mutual aid groups, link people in recovery and encourage mutual support while providing a new social setting in which former alcohol or drug users can engage with others in the absence of substance-related cues from their former life. Mutual aid groups are facilitated by peers, who share their lived experience in recovery. However, health care professionals have a key role in linking patients to these groups, and encouraging participation can have great benefit.⁸⁷

Recovery coaches, who offer individualized guidance, support, and sometimes case management, and recovery housing—substance-free living situations in which residents informally support each other as they navigate the challenges of drug- and alcohol-free living—have led to improved outcomes for participants.⁸⁸⁻⁹² Several other common RSS, including recovery community centers and recovery high schools, have not yet been rigorously evaluated.

Health Care Systems and Opioid Use Disorder

Services for the prevention and treatment of substance misuse and substance use disorders have traditionally been delivered separately from other mental health and general health care services. Because substance misuse has traditionally been seen as a social or criminal problem, prevention services were not typically considered a responsibility of health care systems; and people needing care for substance use disorders have had access to only a limited range of treatment options that were generally not covered by insurance.

Effective integration of prevention, treatment, and recovery services across health care systems is key to addressing opioid misuse and its consequences, and it represents the most promising way to improve access to and quality of treatment. When health care is not well integrated and coordinated across systems, too many patients fall through the cracks, leading to missed opportunities for prevention and early intervention, ineffective referrals, incomplete treatment, high rates of hospital and emergency department readmissions, and individual tragedies (e.g., opioid overdoses) that could have been prevented.

The good news, however, is that a range of promising health care structures, technologies, and innovations are emerging, or are being refined and strengthened. These developments are helping to address challenges and facilitate integration. In so doing, they are broadening the focus of interventions beyond just the treatment of severe substance use disorders to encompass the entire spectrum of prevention, treatment, and recovery.

Conclusion

The opioid overdose epidemic brings into sharp focus how myths and misconceptions about addiction have led to devastating consequences for individuals and communities. The evidence-based public health approach described in the Surgeon General's Report is a positive way forward to reducing the opioid crisis by addressing factors that contribute to the misuse and its consequences. By adopting this approach—which seeks to improve the health, safety, and well-being of the entire population—we have the opportunity as a nation to take effective steps to prevent and treat opioid misuse and opioid use disorder and reduce opioid overdose. A public health approach to the opioid crisis will also reduce other harmful consequences, such as infectious disease transmission and NAS. States that have had success in implementing the public health approach and slowing their overdose rates have emphasized the importance of partnerships. Given that too many individuals are dying every day from opioid overdose, shifting our attitudes and working together to widen access to prevention, treatment, and recovery services for opioid misuse and opioid use disorders are essential for saving lives.

The responsibility of addressing opioid misuse and opioid use disorders does not fall on one sector alone, and the health care system cannot address all of the major determinants of health related to substance misuse without the help of the wider community. Everyone has a role to play in changing the conversation around addiction, to improve the health, safety, and well-being of individuals and communities across our nation.

Below are suggestions for various key stakeholders.

Individuals and Families:

- Reach out, if you think you have a problem with opioid misuse or a substance use disorder.
- Be supportive (not judgmental) if a loved one has a problem.
- Carry naloxone and be trained on how to use it.
- Show support toward people in recovery.
- Parents, talk to your children about substance use.
- Understand pain. Many scientifically proven pain management options do not involve opioids. Talk to your health care provider about an individualized plan that is right for your pain.
- Be safe. Only take opioid medications as prescribed to you. Always store in a secure place. Dispose of unused medication properly.

Educators and Academic Institutions:

- Implement evidence-based prevention interventions.
- Provide treatment and recovery supports.
- Teach accurate, up-to-date scientific information about substance use disorders as medical conditions.
- Enhance training of health care professionals.

Health Care Professionals and Professional Associations:

- Address substance use-related health issues with the same sensitivity and care as any other chronic health condition.
- Support high-quality care for substance use disorders.
- Follow the gold standard for opioid addiction treatment.
- Follow the [CDC Guideline for Prescribing Opioids for Chronic Pain](#)
- When opioids are prescribed, providers can assess for behavioral health risk factors to help inform treatment decisions, and collaborate with mental health providers.
- Check the PDMP before prescribing opioids.
- Refer to patients to opioid treatment providers when necessary.
- Become qualified to prescribe buprenorphine for the treatment of opioid use disorder.

Health Care Systems:

- Promote universal, selective, and indicated prevention.
- Promote use of evidence-based treatments.
- Promote effective integration of prevention, treatment, and recovery support services.
- Work with payers to develop and implement comprehensive billing models.
- Implement health information technologies to promote efficiency, actionable information, and high-quality care.
- Create stronger connections across behavioral health providers and mainstream medical systems.
- Engage primary care providers as part of a comprehensive treatment solution.

Communities:

- Build awareness of substance use as a public health problem.
- Invest in evidence-based prevention interventions and recovery supports.
- Implement interventions to reduce harms associated with opioid misuse.

Researchers:

- Conduct research that focuses on implementable, sustainable solutions to address high-priority substance use issues.
- Identify research gaps in understanding the complexity of opioids addiction and pain.
- Promote rigorous evaluation of programs and policies.

Private Sector—Industry and Commerce:

- Support youth substance use prevention.
- Continue to collaborate with the federal initiative to reduce prescription opioid- and heroin-related overdose, death, and dependence.
- Reduce work-related injury risks and other working conditions that may increase the risk for substance misuse.
- Offer education, support and treatment benefits for workers affected by the opioid crisis.

Federal, State, Local, and Tribal Governments:

- Provide leadership, guidance, and vision in supporting a science-based approach to addressing substance use-related health issues.
- Collect and use data to guide local response to people and places at highest risk.
- Improve coordination between social service systems and the health care system to address the social and environmental factors that contribute to the risk for substance use disorders.
- Implement criminal justice reforms to transition to a less punitive and more health-focused approach.

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National Helpline
1-800-662-HELP (4357) or TTY: 1-800-487-4889