

Battling the evolving drug misuse epidemic

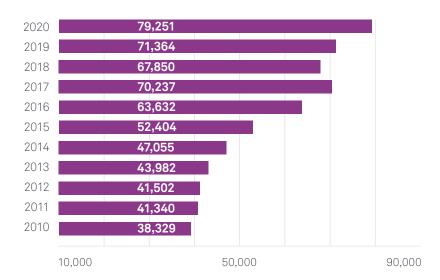
More than 16 million people use prescription drugs for non-medical reasons¹

Drug overdose deaths in US: a decade in review

2018 marked the first time in more than a decade that the Centers for Disease Control and Prevention (CDC) reported a decline in the number of drug overdoses¹—a welcomed development in an epidemic that has long ravaged communities across the country.

However, the decline was sharply reversed just a year later. Overdose deaths have increased dramatically in 2019 and 2020.² From May 2019 to May 2020, over 81,000 drug overdoses occurred in the United States—the largest number of overdose deaths ever recorded in a 12-month period.²





Opioids continue to be a driving force in the drug epidemic

In 2019, 70% of overdose deaths involved an opioid.³ The majority of opioid-related deaths involved synthetic opioids, such as fentanyl. One positive trend is the continued decline in overdose deaths involving natural and semi-synthetic opioids, such as hydrocodone, which could be tied to the CDC guidelines for prescribing opioids for chronic pain published that year.⁴

40,000 35,000 30,000 25,000 10,000 5,000 0 2015 2016 2017 2018 2019 Psychostimulants

Heroin

Natural (hydrocodone)

(methamphetamine)

Synthetic (fentanyl)

Opioid-related overdose deaths³

Protect your patients from medication misuse

It's a startling statistic. An estimated 1 person in 20 uses prescription drugs for "non-medical reasons." Not only do these patients put themselves at grave risk, they also jeopardize any healthcare professional or practice that happens to prescribe them medication.

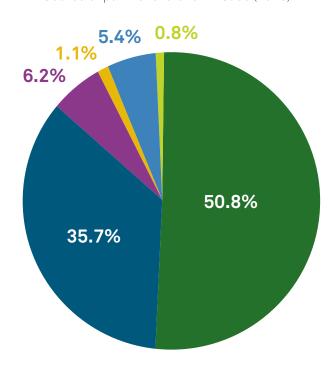
It's important to understand the root causes of prescription medication misuse and the implications for your patients and practice. Only then can you take steps to ensure a safer environment for all.

Prescribed legally, then passed along

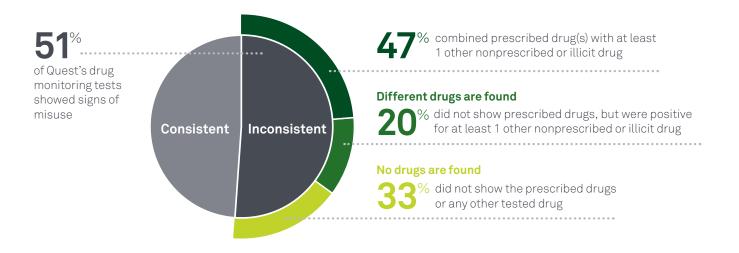
Among people who misuse medication, more than half take drugs prescribed for someone else.

- Friend/relative
- One doctor
- Drug dealer
- Multiple doctors
- Other
- Stole from doctor

Source of pain relievers for misuse (2019)⁵



Quest drug testing data shows that more than half of patients misuse their medications



Prescription drug misuse continues to be a prevalent problem. Possible inconsistencies may be attributed to a number of factors, including patients who:

- Don't follow prescription instructions
- Underestimate the addictiveness of pain medication and other controlled substances
- Assume prescriptions are safe under all circumstances
- Share prescription drugs with friends or family
- Allow other people access to medications by failing to secure them
- Forget to notify their doctor of prescriptions from other healthcare providers
- Increase dosage without a physician's approval

Drug monitoring can help provide clinicians with insights into multiple forms of misuse, including substance use, drug combinations, and medication noncompliance. All of these inconsistencies are important insights for the clinician, and can help direct patient conversations and guide treatment decisions.



Every practice needs a process to monitor controlled medication use

For patients with chronic pain or mental health conditions, access to controlled medications may be an important treatment option. Several leading associations—including the CDC,⁴ the American Association for Clinical Chemistry (AACC),⁷ and the American Society of Addiction Medicine (ASAM)⁸—support the use of drug testing. An appropriate drug monitoring protocol can help provide these patients access to the medications they need, while helping to keep you, your patients, and your community safe.

Drug monitoring can help to:

- · Identify prescription drug use or non-use
- Detect use of illicit substances
- Identify potential drug-drug interactions
- Complement state Prescription Drug Monitoring Programs to provide a fuller picture of patient status
- Maintain patient access to prescription therapies
- Aid risk mitigation: help keep patients safe, help protect clinician practices

Key elements of a drug monitoring protocol when prescribing controlled medications9:

Establish which individuals to monitor	2	Review the state Prescription Drug Monitoring Program (PDMP) Review 4		Discuss the risks and benefits of therapy		Conduct baseline testing	8
1	Evaluate patient risk factors using validated tools	3	Create written treatment agreements	5	Review patient responsibilities	7	Conduct periodic, risk- based drug monitoring

How to determine frequency of testing

- Identify patients at high risk for opioid abuse, misuse, or diversion for whom more intensive monitoring may be appropriate⁹
- · Validated risk assessment and stratification
- · Clinician's documented medical necessity
- Patient history, clinical presentation, and/or community usage



Take advantage of our medMATCH® reports

Our medMATCH® reports are designed to provide actionable insights with the goal of "at-a-glance" interpretation. The reports provide a summary of your patient's consistent and inconsistent results for prescribed drugs, and also includes reporting on nonprescribed, inconsistent drugs. This allows you to have a complete view of drugs that your patient is taking, address any non-compliance issues, and alerts you of any potential drug misuse or dangerous drug combinations.

medMATCH reports offer providers an intuitive, streamlined process from ordering to the delivery of the final report.

medMATCH® Drug Monitoring Report medMATCH Summary medMATCH indicates presence or absence of prescribed and non prescribed drugs. Pres medMATCH Summary expanded Legend Prescribed Inconsistent Prescribed Consistent Not Prescribed Inconsistent √ = Consistent to 3 categories ×= Ethyl Sulfate (ETS) X = Inconsistent ✓= Buprenorphine Nalox ×= Gabapentin + = Prescribed Alerts clinician to non-tested Prescriptions reported by client with no testing ordered: Zolpidem DRUG MONITORING, PANEL 8 WITH CONFIRMATION, URINE prescription drugs Alcohol Metabolites POSITIVE 500 ng/mL Ethyl Glucuronide (ETG) NEGATIVE 500 ng/mL Inconsistent results are flagged Ethyl Sulfate (ETS) 100 ng/mL × INCONSISTENT Alcohol Metab Comments: See Alcohol Metab Notes, LDT Notes Drug Class Specific Notes and Amphetamines NEGATIVE 500 ng/mL Lab-Developed Test (LDT) notes are Benzodiazepines NEGATIVE 100 ng/mL Buprenorphine POSITIVE 5 ng/mL consolidated and listed at the end ♦ Buprenorphine 101 2 ng/mL ✓ CONSISTENT of report 105 ♦ Norbuprenorphine 2 ng/mL **✓ CONSISTENT** 110 2 ng/mL ✓ CONSISTENT Consistent results for prescribed ♦ Naloxone Buprenorphine Comments: See Buprenorphine Notes, LDT Notes drugs are flagged



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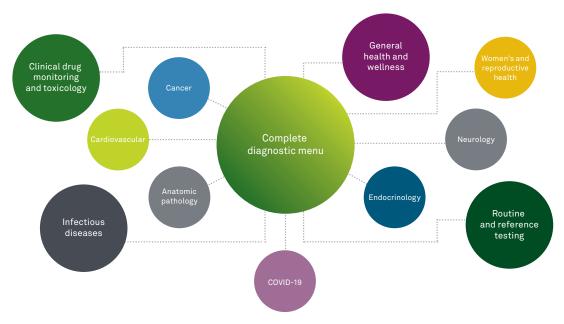


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Quest Diagnostics Clinical Drug Monitoring

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