

Trojan Horse Technologies

Liz Chiarello, Ph.D.



The Story



Trojan Horse Technologies



NATIONAL

More than a million Americans have died from overdoses during the opioid epidemic

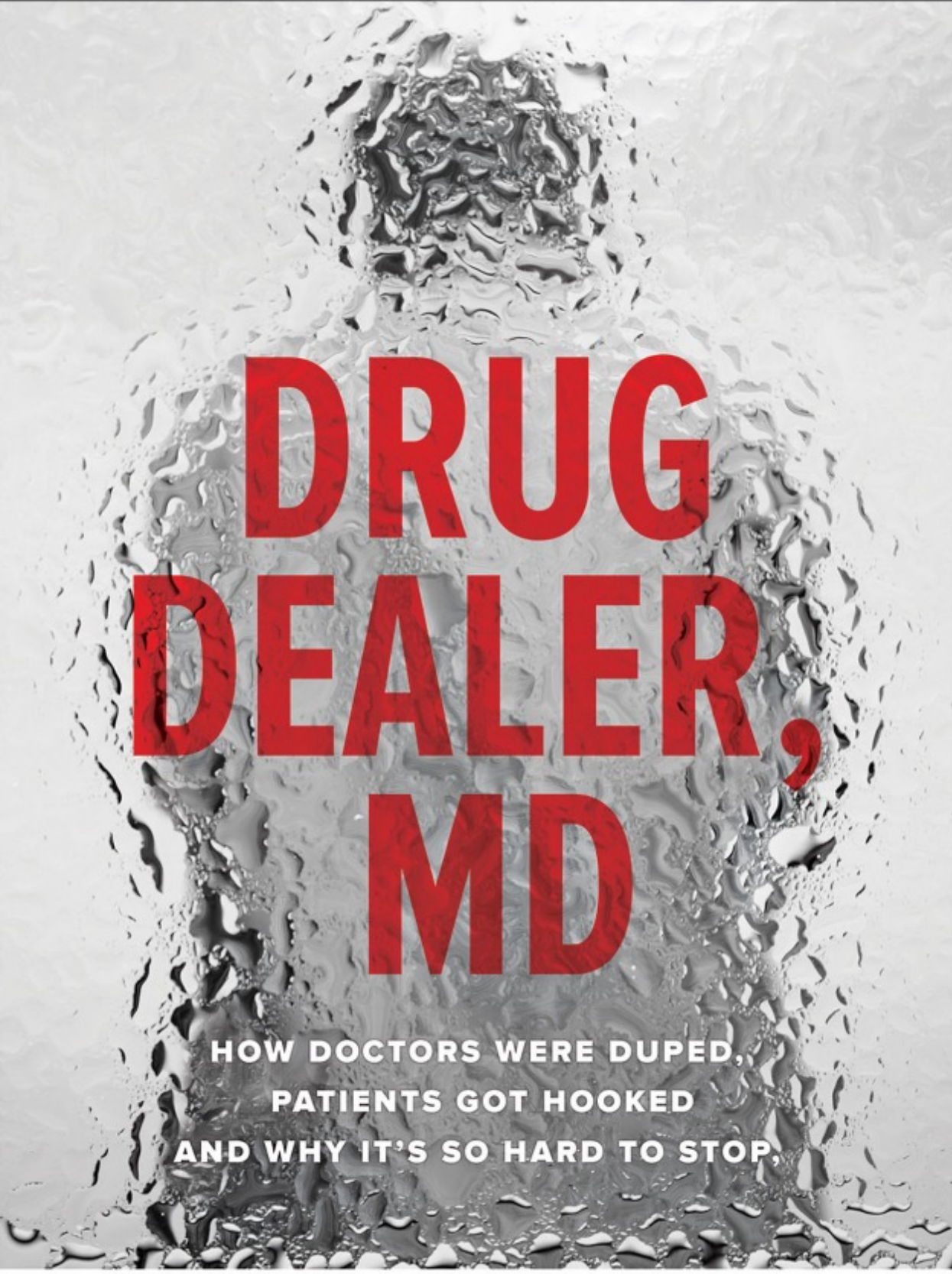
December 30, 2021 · 10:26 AM ET

BRIAN MANN



Activists participate in a candlelight vigil calling for an end to the nation's opioid addiction crisis at the Ellipse in Washington, D.C., in August 2017.

Alex Wong/Getty Images

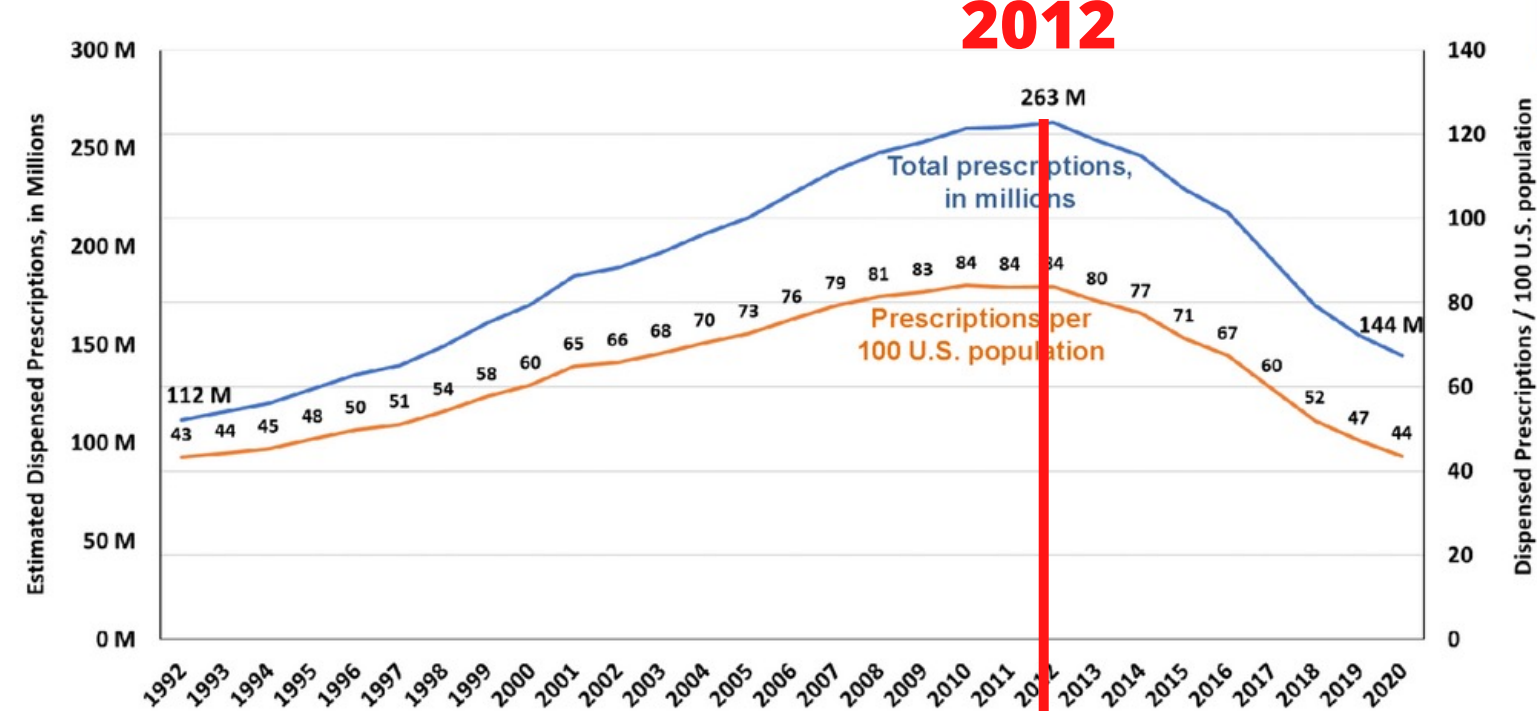


DRUG DEALER, MD

HOW DOCTORS WERE DUPED,
PATIENTS GOT HOOKED
AND WHY IT'S SO HARD TO STOP

ANNA LEMBKE, MD

Large Declines in Opioid Analgesic Prescriptions



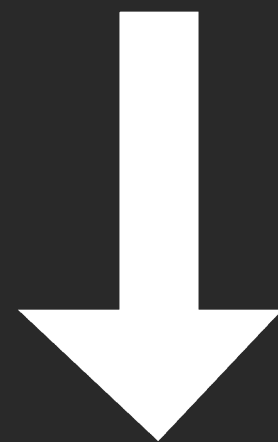
Estimated opioid analgesic prescriptions dispensed from U.S. outpatient pharmacies, total and per 100 U.S. population, 1992–2020.

Source: IQVIA, National Prescription Audit™, time period 1992–2020. Data extracted July 2021. M = millions. Outpatient pharmacies included retail and mail-order pharmacies. Data included opioid analgesics only, excluding cough-cold products and medications to treat opioid use disorder. Any changes over time must be interpreted in the context of the changes in methodology, specifically during two trend breaks between 2016 and 2017 and between 2018 and 2019.

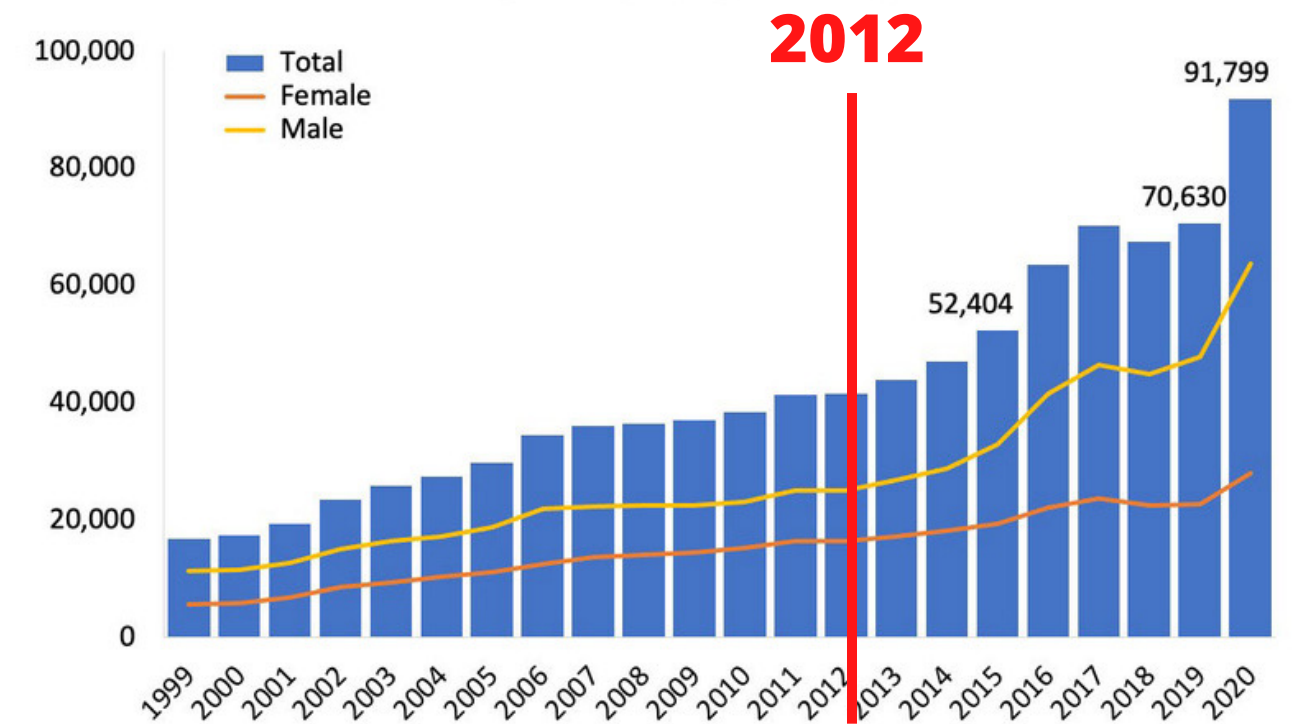
www.fda.gov

93

Prescribing Rates



**Figure 1. National Drug-Involved Overdose Deaths*
Number Among All Ages, by Gender, 1999–2020**



*Includes deaths with underlying causes of unintentional drug poisoning (X40–X44), suicide drug poisoning (X60–X64), homicide drug poisoning (X85), or drug poisoning of undetermined intent (Y10–Y14), as coded in the International Classification of Diseases, 10th Revision. Source: Centers for Disease Control and Prevention, National Center for Health Statistics. Multiple Cause of Death 1999–2020 on CDC WONDER Online Database, released 12/2021.

Overdose Rates



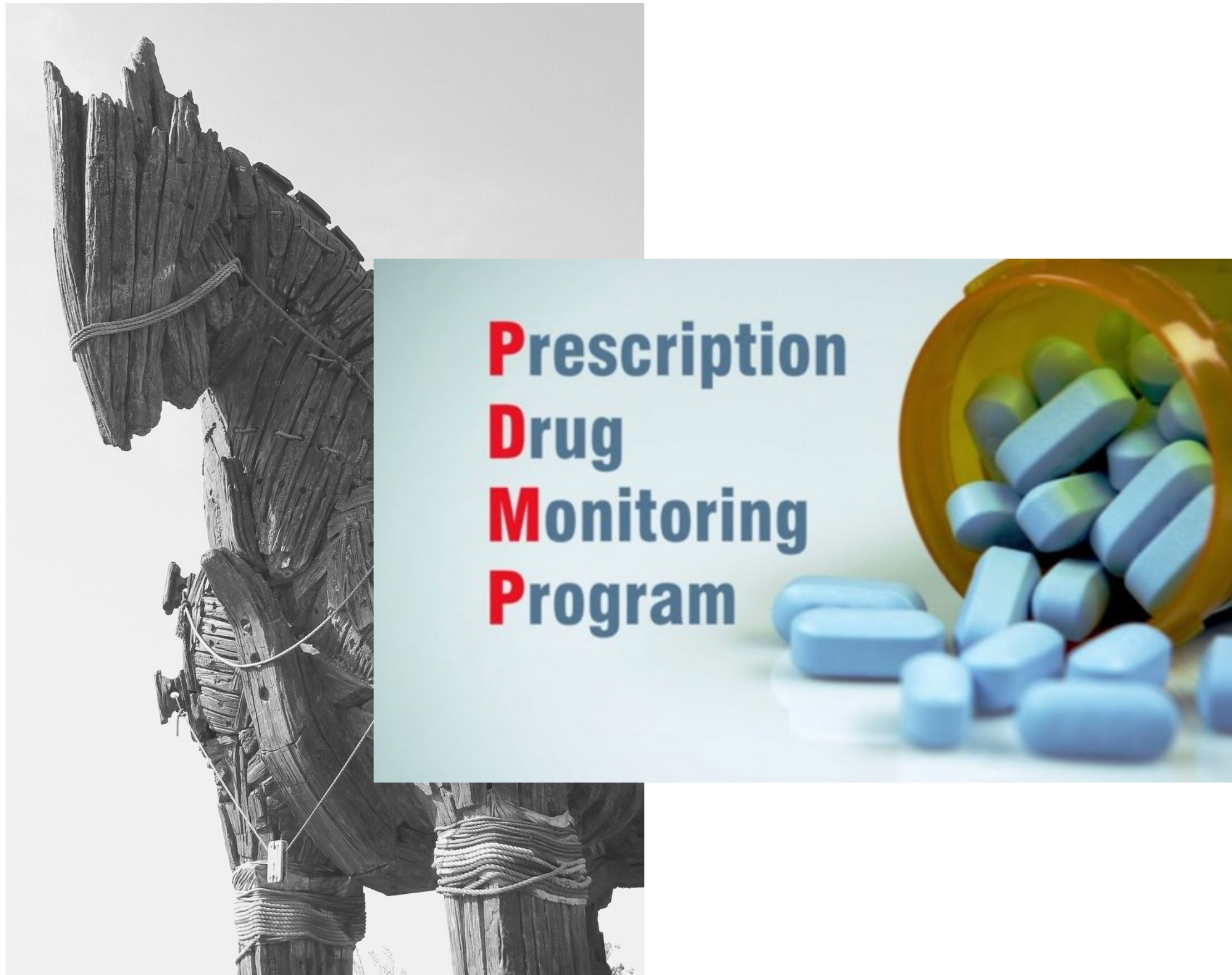
The Controlled Substances Act



Prescription
Drug
Monitoring
Program



PDMPs Are Trojan Horse Technologies



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**Interviews
Pharmacists
2009-2019**

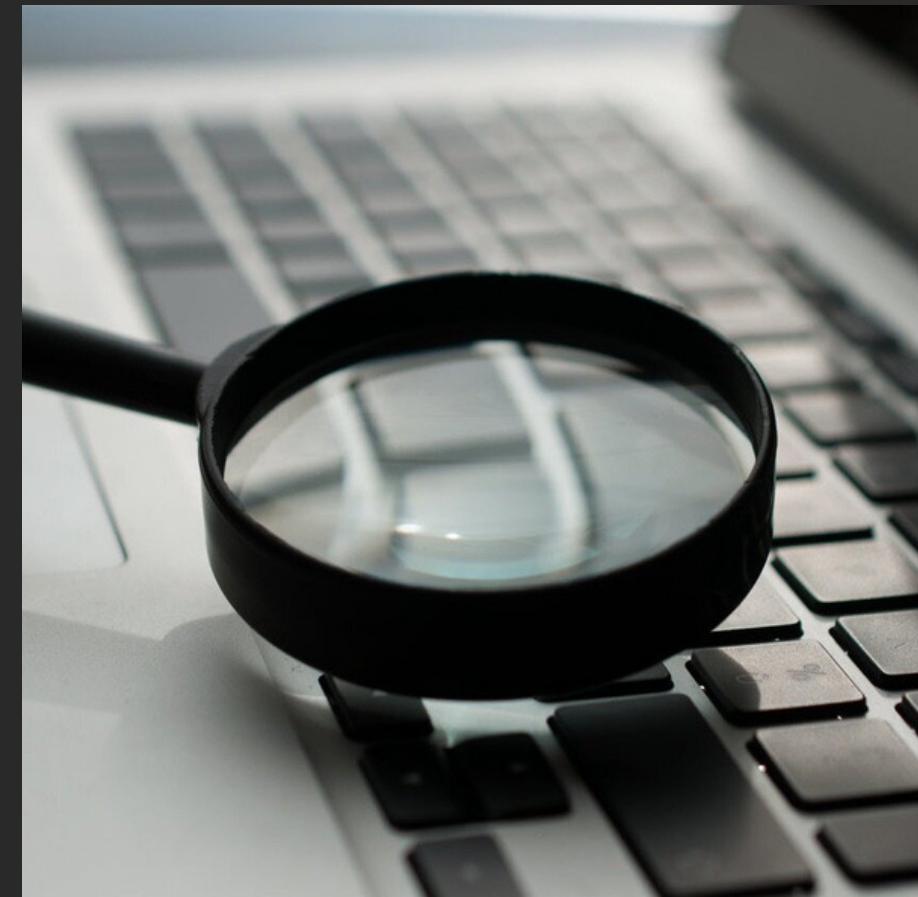
PDMP Use Reconfigures



Routines



Relationships



Roles



Routing



Routines

Without PDMP

Red Flags

Gut
Feelings

"Out of
Stock"



Routines



Routines

Without PDMP		
Red Flags	Gut Feelings	"Out of Stock"
With PDMP		
Interrogate Patients	"Defensive Pharmacy"	Confront Patients



Relationships



Relationships



Physicians

Without PDMP

"Weapons of the
Weak"

Maintain
Hierarchy



Relationships



Physicians

Without PDMP	
"Weapons of the Weak"	Maintain Hierarchy
With PDMP	
Police Physicians Overtly	Challenge Physicians



Relationships



Law Enforcement

Without PDMP

Hesitant
to Call

Fear
Retaliation



Relationships



Law Enforcement

Without PDMP	
Hesitant to Call	Fear Retaliation
With PDMP	
Actively Collaborate	Resource for Law Enforcement

Without PDMP

Pharmacist



Police

Roles





Roles

Without PDMP

Pharmacist



Police

With PDMP

"Reframe and Embrace"



Routing

Direct

Hand Off to Law Enforcement

Indirect

Leave Patient to Toxic Drug Supply

Trojan Horse Technologies





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Want to Win the War on Drugs? Portugal Might Have the Answer

By **Naina Bajekal** | Photographs by Gonalo Fonseca



TIME