

25 Years of Workplace Drug Testing in America

Milestones and Lessons Learned Since
the Drug-Free Workplace Act of 1988

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Presenters



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Quest Diagnostics – Insights for Better Health

- The world's leading provider of clinical laboratory testing and other diagnostic information services
 - \$7.4 billion in revenues
 - Operates in every U.S. state, DC and several other countries
 - 41,000 employees
- Significant influence on health care and business
 - Serves 30 percent of American adults each year
 - Half of all physicians and hospitals in the U.S.
 - Fortune 500 companies
- 3,500 test services – from advanced gene sequencing to routine cholesterol checks
- Services include **drug monitoring** for employers and physicians

DGX
LISTED
NYSE

FORTUNE
WORLD'S MOST
ADMIRED
COMPANIES
2013



Highlights from 25 Years of Workplace Drug Monitoring



Drug-Free Workplace Act of 1988

Quest Diagnostics Drug Testing Index™ (DTI)



Significant Events

Drug-Free Workplace Act

Quest Diagnostics begins analysis of workplace drug testing.



Chase, Maryland



1986

1987

1988

1988

1989

1994

2012

2011

2010

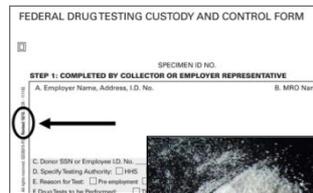
2008

2001-2004

1998



Quest Diagnostics
launches prescription drug
monitoring for clinicians.



Quest Diagnostics Drug Testing Index™

The **Drug Testing Index** is a national analysis of workplace drug testing data from Quest Diagnostics forensic toxicology laboratories.

Routine urine specimens submitted for workplace drugs of abuse testing

- Workplace
- Rehabilitation and criminal justice excluded
- Point of collection (POCT) confirmations excluded (excludes high positivity)

Laboratory positive data (prior to Medical Review Officer review)

- Does not indicate whether there is an “alternative medical explanation”
- Includes employer/Medical Review Officer blinds

Two major groups

- Federally Mandated, Safety-Sensitive Workforce
- U.S. General Workforce

Fast Facts

Illicit drug use: \$193 billion in costs in lost productivity, healthcare, and criminal justice costs

Drug-induced overdose deaths surpass homicides and car crashes as the leading cause of injury death in U.S.

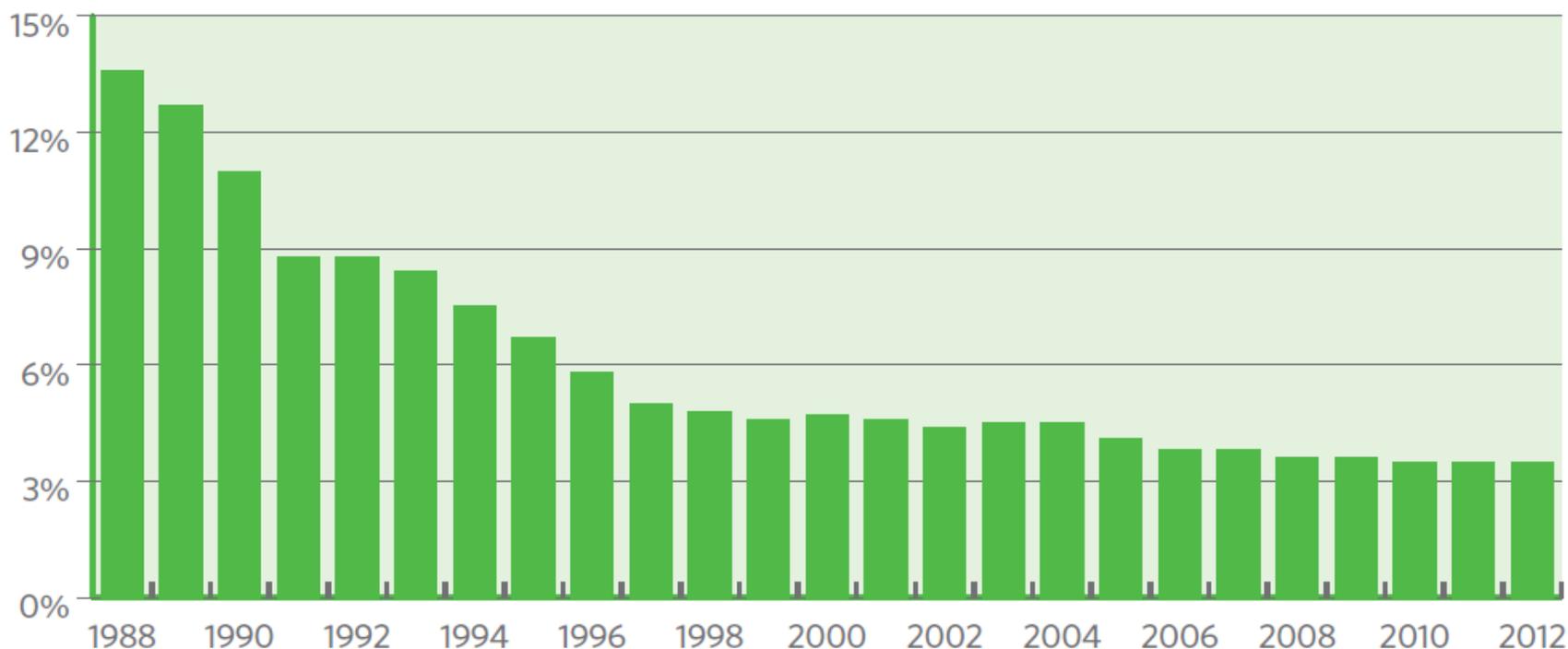
Source: WhiteHouse.gov, 2013



25 Years of Declining Workplace Drug Positivity Rates

74% decline (13.6% in 1988 to 3.5% in 2012)

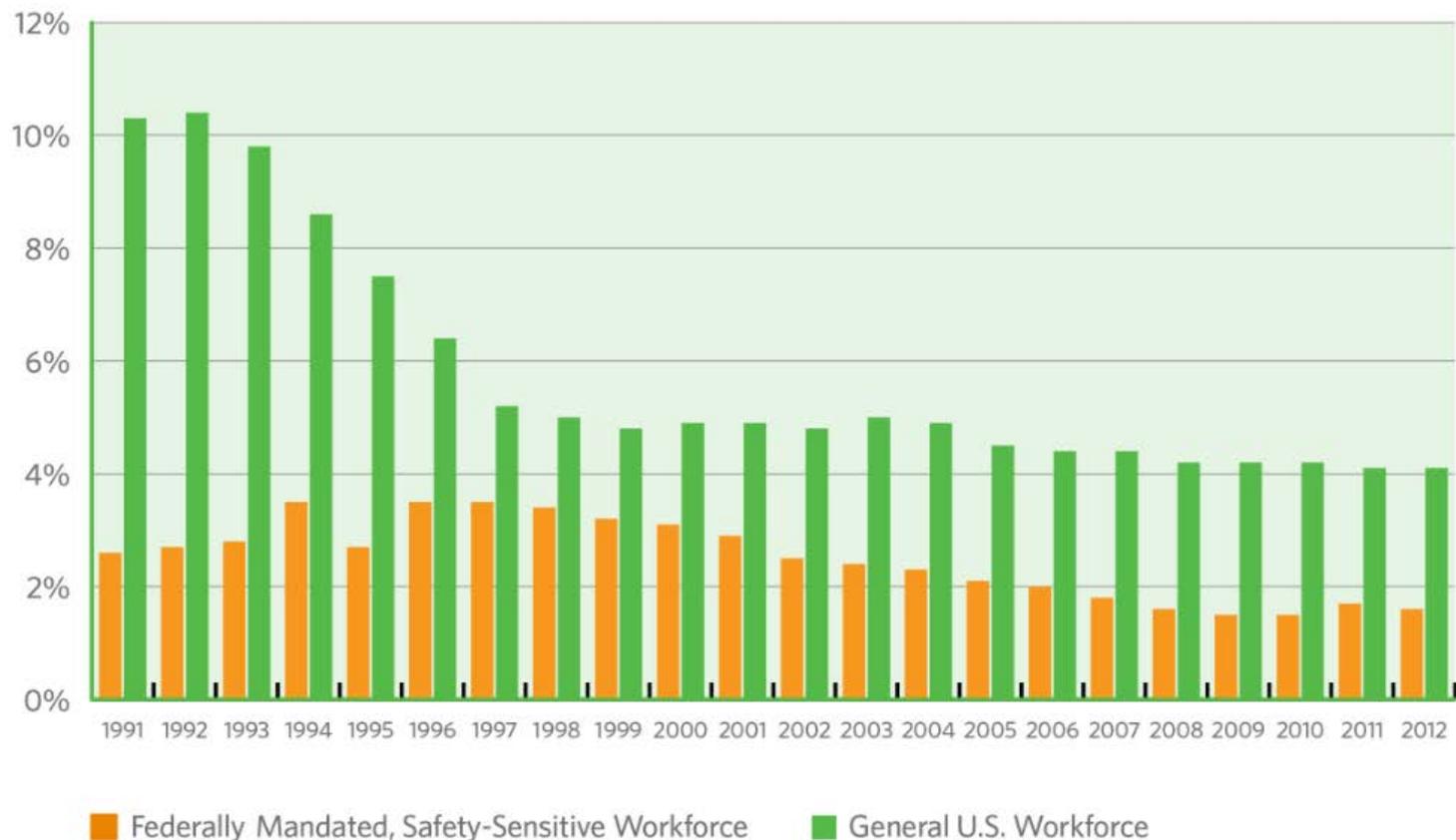
125 million urine drug tests nationally – unprecedented in scale



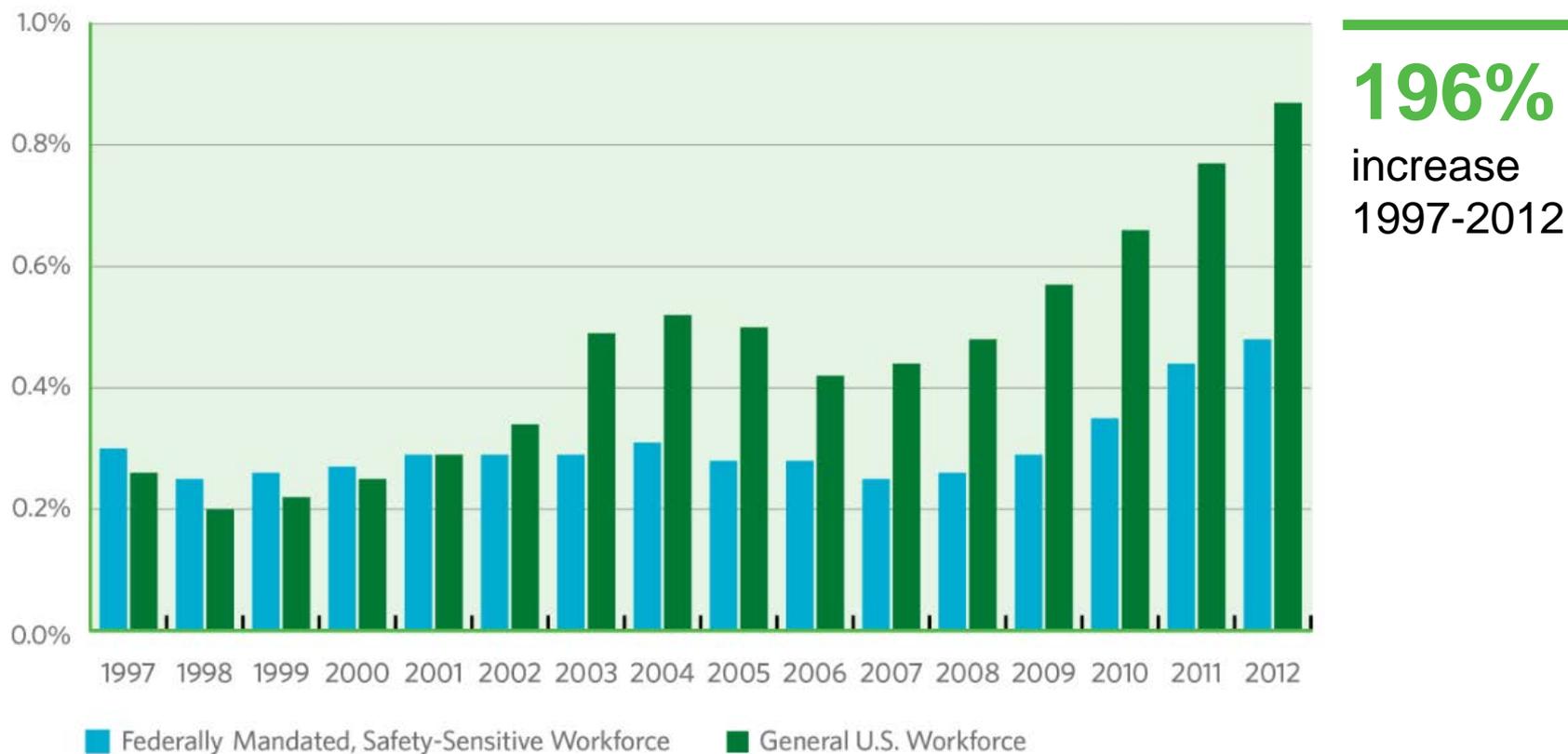
Declines Observed in all Workforce Sectors

38% decline for Federally-Mandated, Safety Sensitive (2.6% in 1992 to 1.6% in 2012)

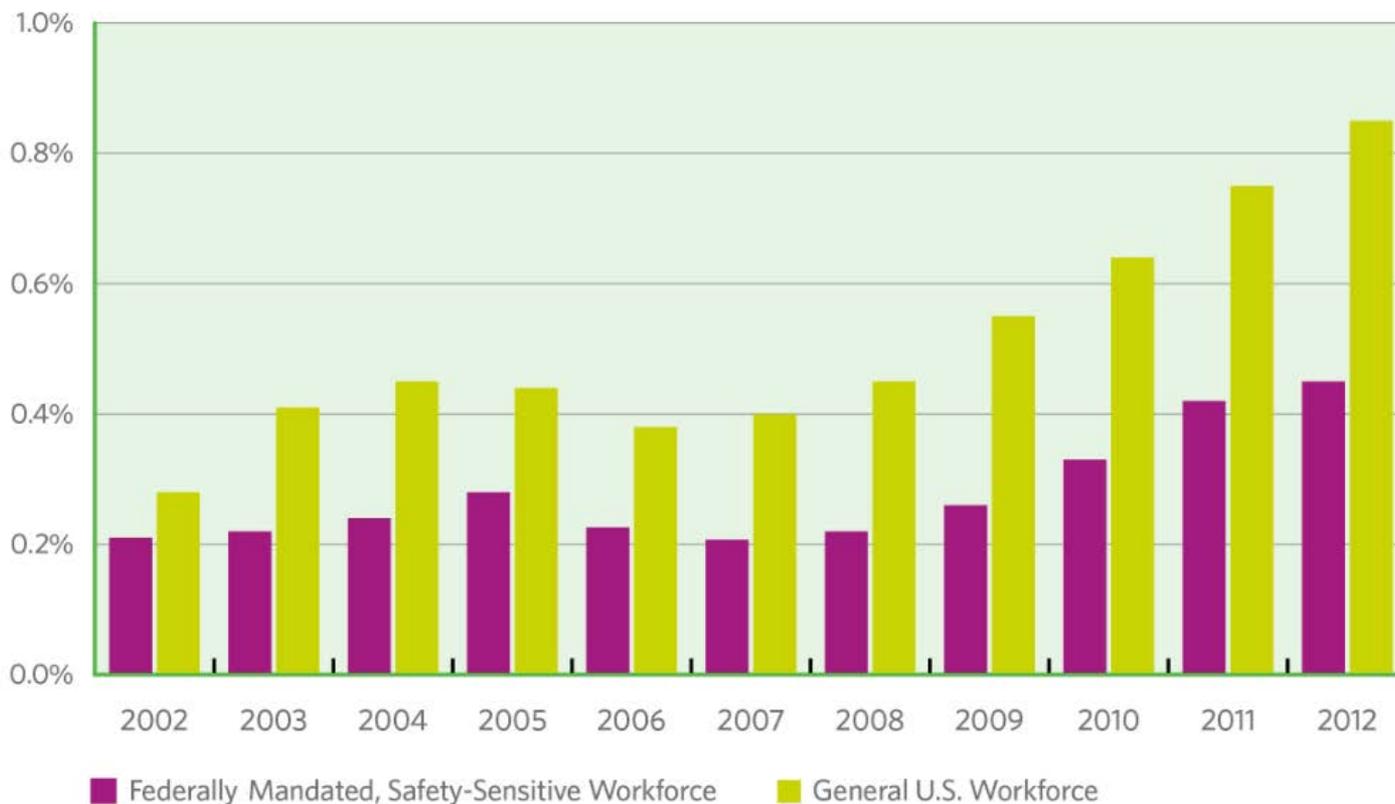
60% decline for U.S. General Workforce (10.3% in 1992 to 4.1% in 2012)



Amphetamines at Highest Level in 2012 Since 1997



Amphetamine Positivity Rates On the Rise



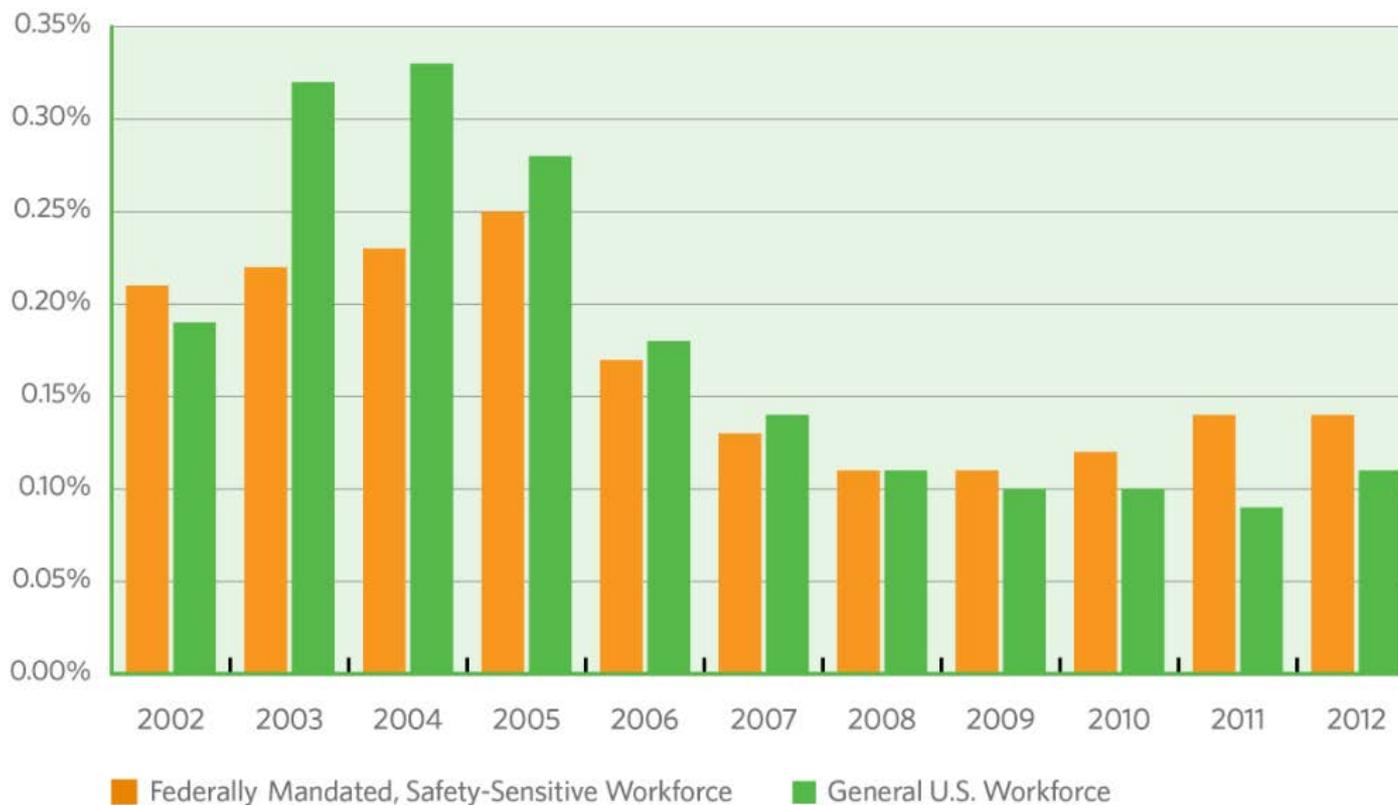
100+%
increase
including
prescription
medications
such as
Adderall® –
over last 10
years

Methamphetamine and Regulations



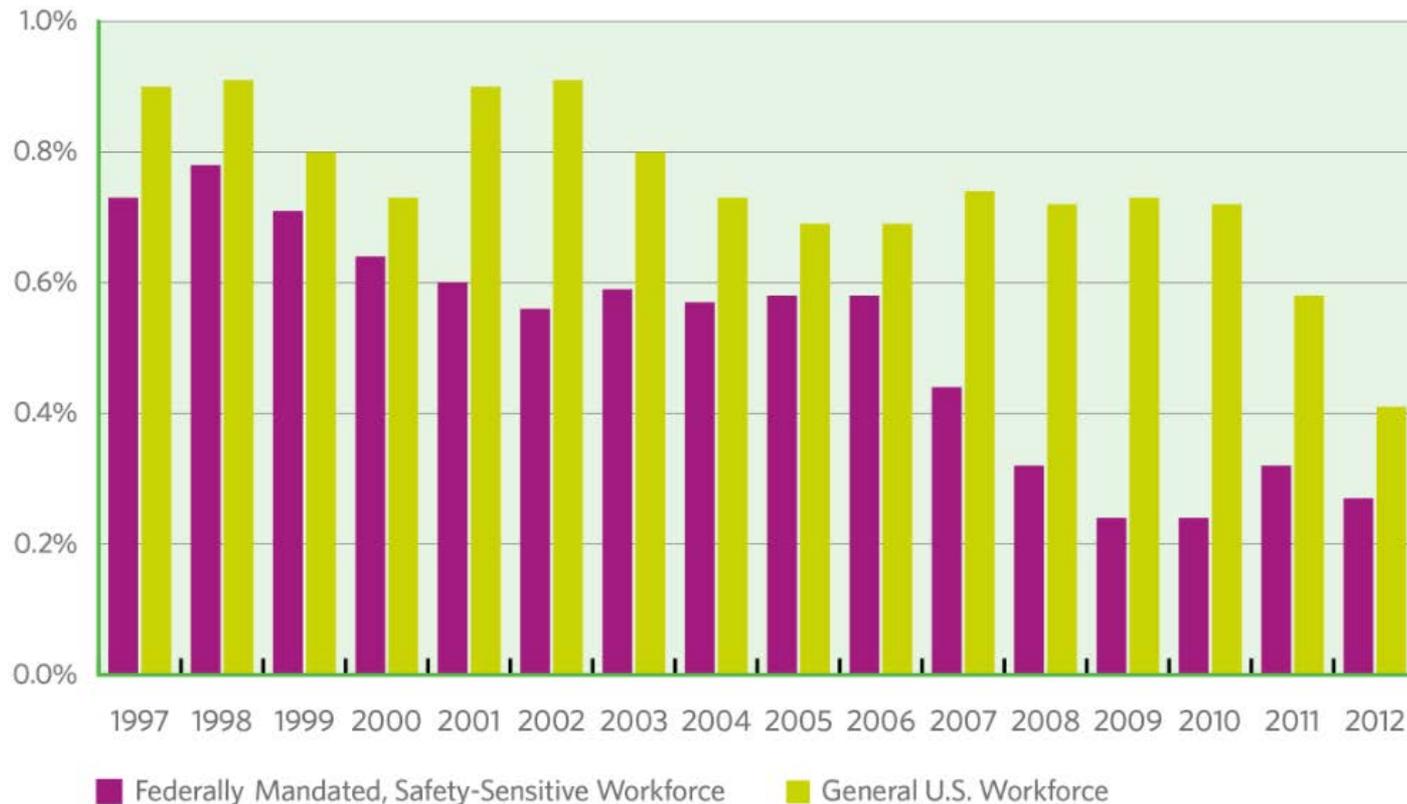
Decline coincides with crackdown on “meth labs” (2005)

Higher positivity observed in Federally-Mandated, Safety-Sensitive workers (regulatory changes in 2010)



Declines in Cocaine Positivity Rates Over Past 10 Years

Coincides with law enforcement reports of tighter supply and higher prices

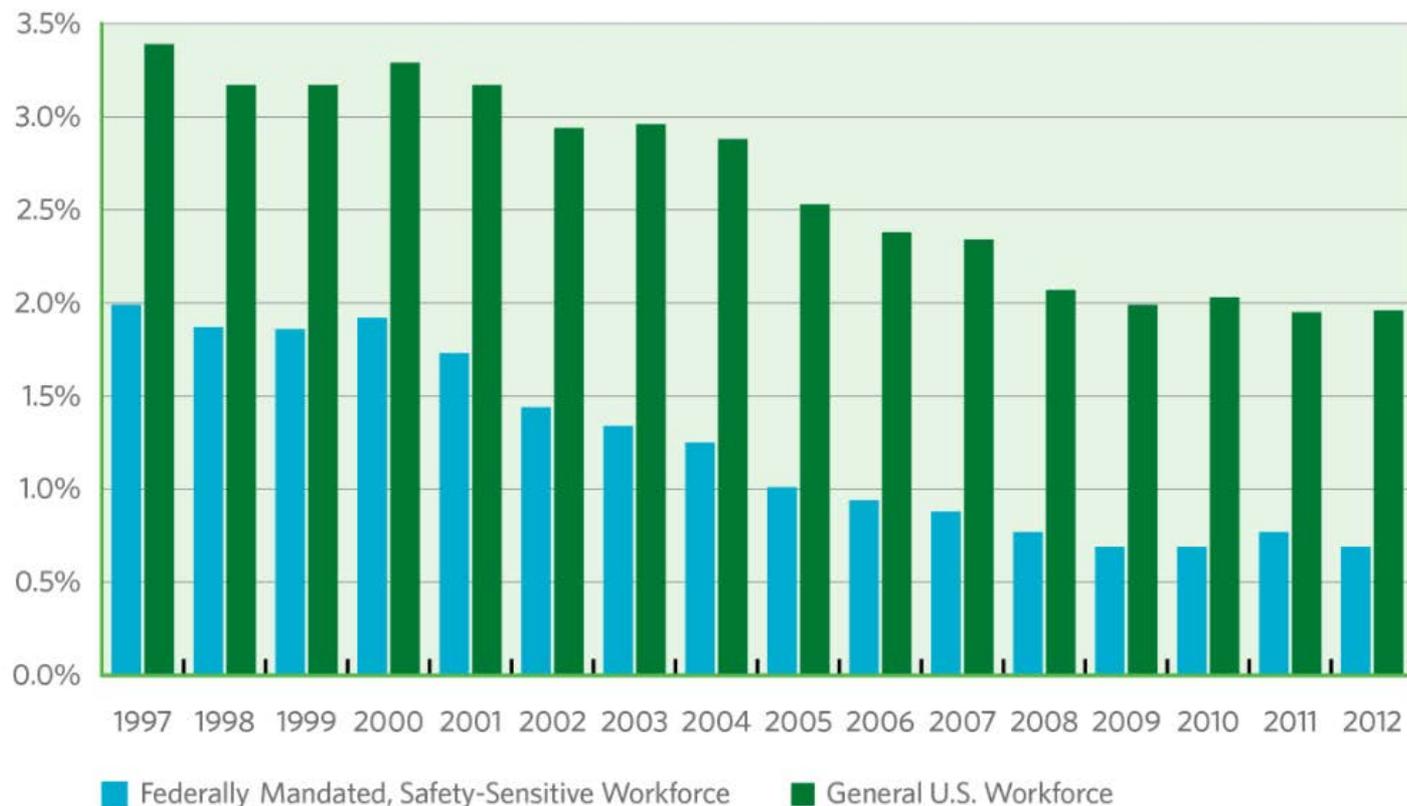


1 in 4
drug misuse/
abuse ER
department
visits involves
cocaine

Source: National Institute of
Drug Abuse, 2010

Overall Positivity for Marijuana

DTI declines in marijuana positivity counter societal trends showing increased use – and public acceptance – of marijuana in the U.S.



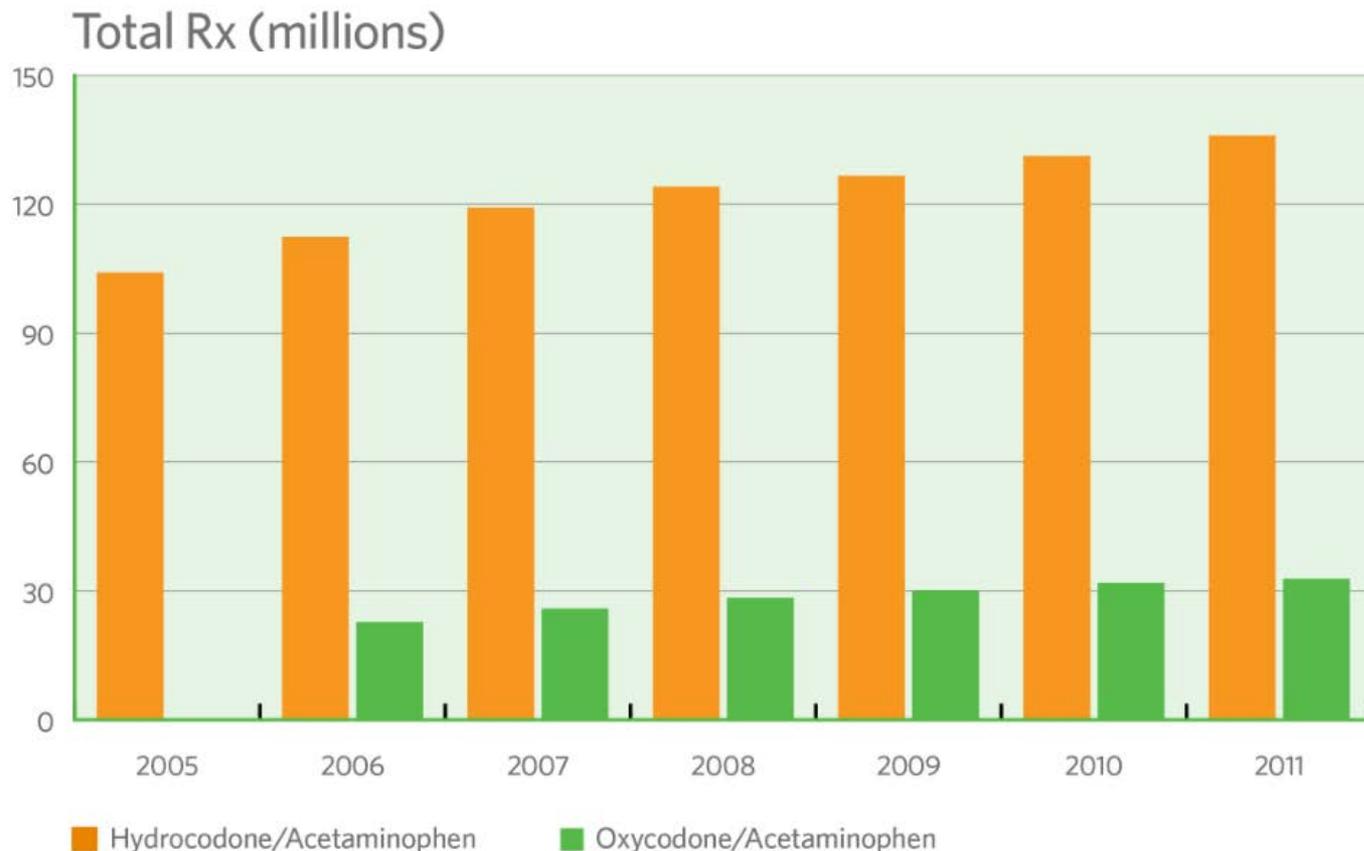
2012

Colorado and Washington became the first states to legalize “recreational” marijuana.



Opiates are Increasingly Prescribed – and Misused

Hydrocodone is the **#1 prescribed drug** (volume of Rx) in United States.

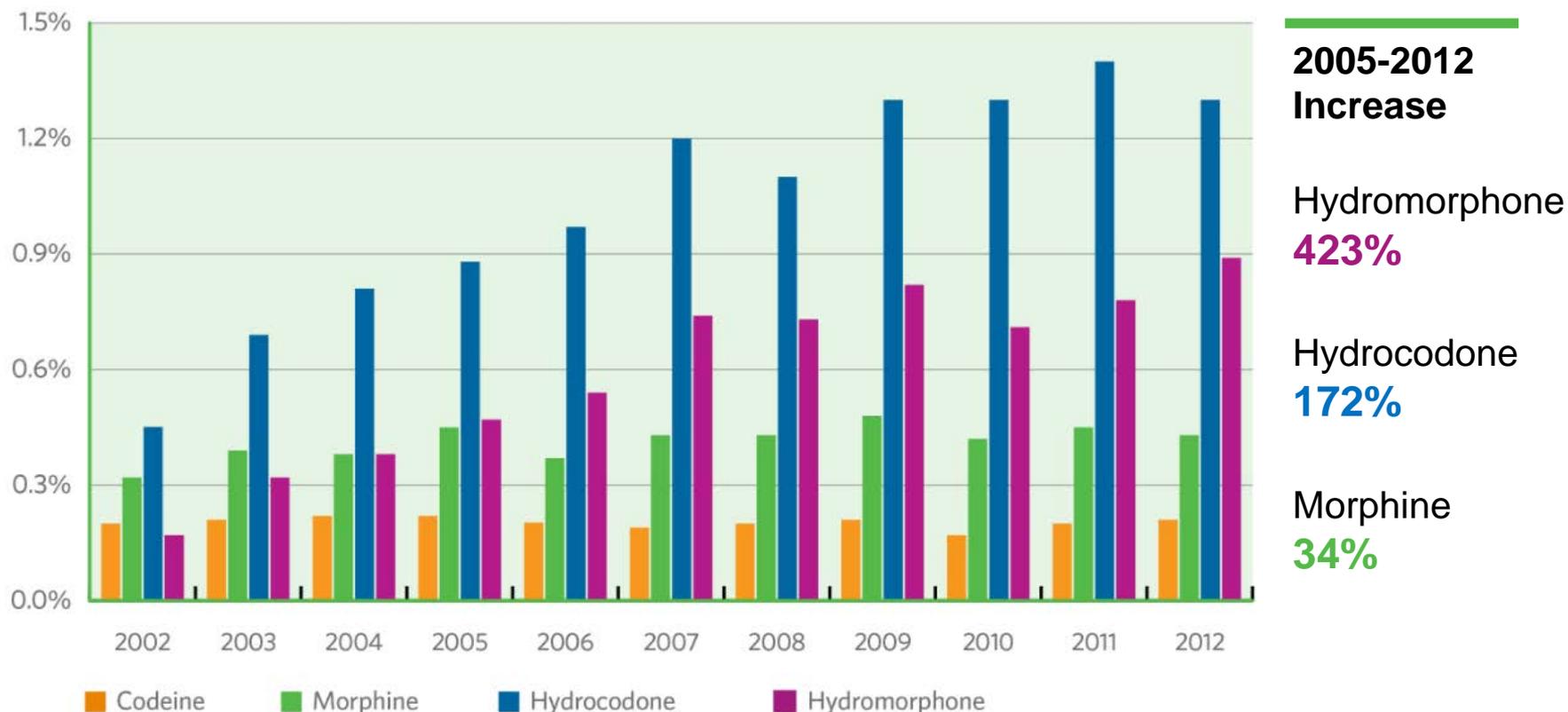


Source: IMS Health, National Prescription Audit™

20,000
Americans die
each year of
prescription
drug abuse –
74% from
pain-relieving
opioids

Source CDC, 2011

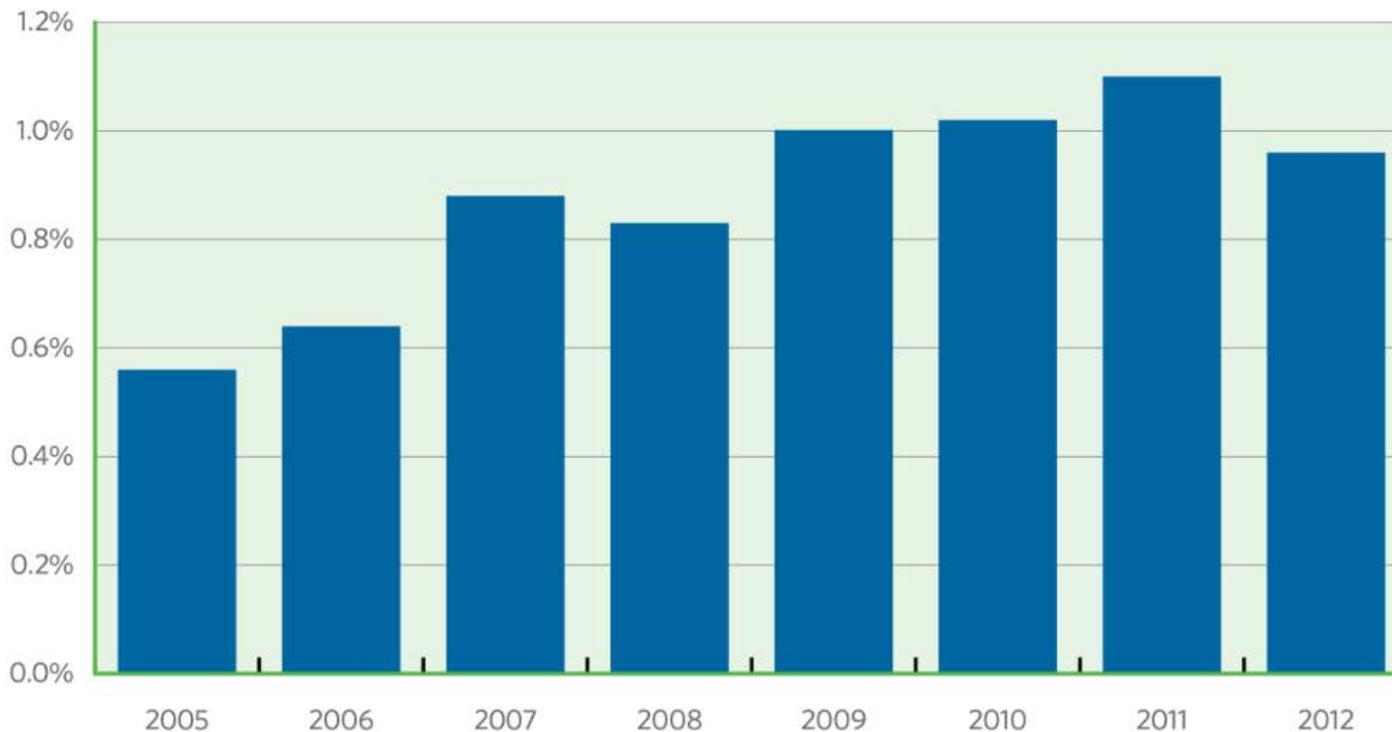
DTI Data Reflects Growing “Expanded” Opiate Use



Positivity Rates for Oxycodones



71% increase from 2005 to 2012



Summary of 25 Years of Workplace Drug Testing



Workplace drug testing mirrors societal **Drug Use**, as reflected by the Quest Diagnostics Drug Testing Index

74% workplace drug use positivity decline over 25 years but ...



... prescription **opiates, stimulants** a continuing concern

Perspectives of our Partners

What **lessons** can be learned from 25 years of workplace drug monitoring and ...

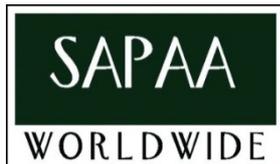
... what is the **future** of workplace drug testing?



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