OPIOIDS IN THE WORKPLACE: RESOURCE LIST

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Opioid Epidemic History

- Macy B. Raising Lazarus: Hope, Justice and the Future of America's Overdose Crisis. [2022] Macy, author of 'Dopesick: Dealers, Doctors, and the Drug Company that Addicted America', has written a second book following the opioid crisis. Raising Lazarus explores efforts of individuals, communities, harm reduction practitioners and treatment innovators combatting America's opioid overdose epidemic. 400 pages, Little, Brown. https://www.littlebrown.com/titles/beth-macy/raising-lazarus/9780316430227
- Quinones S. The Least of Us: True Tales of America and Hope in the Time of Fentanyl and Meth. [2021] A follow up to Quinones first book, titled 'Dreamland', True Tales explores fentanyl and methamphetamine, Oxycontin, and community efforts to combat addiction, combining individual stories with journalistic reporting. 408 pages, Bloomsbury Publishing. https://www.bloomsbury.com/us/least-of-us-9781635574357

Opioids and Heroin

Evans WN, Lieber E, Power P. How the Reformulation of OxyContin Ignited the Heroin Epidemic. [2018] 50-page article showing quantitative evidence of how, after promoting and prescribing OxyContin widely in the US, reformulating this drug in 2010 to prevent abuse led to a direct rise in (cheaper) heroin overdose deaths. https://www3.nd.edu/~elieber/research/ELP.pdf

Benzodiazepines

NIH National Library of Medicine, Neurology International. Edinoff AN, Nix CA, Odisho AS, et al. Novel Designer Benzodiazepines: Comprehensive Review of Evolving Clinical and Adverse Effects. [2022] Article assesses easy availability and consequences of misuse of synthesized benzodiazepines. https://www.ncbi.nlm.nih.gov/pmc/articles/PMC9397074/

SAMHSA National Survey of Drug Use

Substance Abuse and Mental Health Services Administration (SAMHSA) 2020 National Survey of Drug Use and Health (NSDUH) Releases. Page provides links to reports and detailed tables of national estimates of substance use and mental health. https://www.samhsa.gov/data/release/2020-national-survey-drug-use-and-health-nsduh-releases

Deaths of Despair

Joint Economic Committee (JEC) US Senate, Long-Term Trends in Deaths of Despair. [2019] SCP REPORT NO. 4-19/ September 2019. 31-page article explores US death rates noting highest death rates due to drug overdose, alcoholism, and suicide in over one hundred years. https://www.jec.senate.gov/public/index.cfm/republicans/2019/9/long-term-trends-in-deaths-of-despair

- Karma, R. Deaths of Despair: The Deadly Epidemic That Predated Coronavirus. [2020] Article on falling life expectancy rates in US with conversation between authors and Princeton economists Anne Case and Angus Deaton. https://www.vox.com/2020/4/15/21214734/deaths-of-despair-coronavirus-covid-19-angus-deaton-anne-case-americans-deaths
- Case A, Deaton A. Deaths of Despair and the Future of Capitalism. [2020] Book about falling US life expectancy of US working class, including the opioid epidemic; detailing growing power of corporations and 'rapacious health care sector that redistributes working class wages into the pockets of the wealthy'. Princeton University Press, 336 pages https://press.princeton.edu/books/paperback/9780691217079/deaths-of-despair-and-the-future-of-capitalism
- Trust for America's Health. Pain in the Nation: The Drug, Alcohol and Suicide Crises and Need for a National Resilience Strategy. [2020] Report describes public health crises of drug and alcohol misuse and suicide epidemic, leading to lowered life expectancy in USA. https://www.tfah.org/report-details/pain-in-the-nation

Opioid Misuse: Evidence of Work-Relatedness

- American Journal of Industrial Medicine, Applebaum KM, Asfaw A, O'Leary PK, et al. Suicide and Drug-Related Mortality Following Occupational Injury. [2019]. Study of severe workplace injuries impairing workers' long-term health and well-being, with drug related deaths and suicides important contributors to excess mortality of injured workers. Am J Ind Med 2019 Sep;62(9): 733-741
 - https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7485601
- American Journal of Public Health, Shaw WJ, Work Environment Factors and Prevention of Opioid- Related Deaths. [2020] Journal article about how heavy physical jobs, unaddressed workplace ergonomic hazards and inadequate access to healthcare increase risk of opioid use in workforce.
 - https://ajph.aphapublications.org/doi/10.2105/AJPH.2020.305716
- NEW SOLUTIONS: A Journal of Environmental and Occupational Health Policy. Special Edition Volume 31, Issue 3, **Opioids and the Workplace Risk Factors and Solutions**. [2021] Issue provides articles addressing solutions to addiction and substance misuse at work. Articles include strategies to implement primary prevention; activism and public health to support recovery; implementing union-based member assistance programs, and more. https://journals.sagepub.com/toc/newa/31/3
- NEW SOLUTIONS: A Journal of Environmental and Occupational Health Policy. Rosen J, Zelnick J, Zoeckler J. Introduction to the Special Issue: Opioids and the Workplace Risk Factors and Solutions. [2021] Robust essay providing introduction to Special Issue, exploring opioid epidemic, intervention research and primary prevention, 'deaths of despair', stigma, worker training and union-based programs, first responder safety information, social responsibility, and more.
 - https://journals.sagepub.com/doi/full/10.1177/10482911211048438



NEW SOLUTIONS: A Journal of Environmental and Occupational Health Policy. Le AB, Rosen J.
 It Is Time to Implement Primary Protection in the Workplace to Ameliorate the Ongoing US
 Opioid Epidemic. [2021]

https://journals.sagepub.com/doi/10.1177/10482911211039880?icid=int.sj-abstract.similar-articles.3

Overdose Data

US Opioid Overdose Fatalities

- CDC, National Center for Health Statistics, Vital Statistics Rapid Release. Provisional Drug Overdose Death Counts. [2022] https://www.cdc.gov/nchs/nvss/vsrr/drug-overdose-data.htm
- CDC, Drug Overdose. Synthetic Opioid Overdose Data. [2021] https://www.cdc.gov/drugoverdose/deaths/synthetic
- CDC, Morbidity and Mortality Weekly Report, Mattson, CL, Tanz, LJ, Quinn, K, et al. Trends and Geographic Patterns in Drug and Synthetic Opioid Overdose Deaths—United States, 2013–2019. [2021] MMWR 2021; 70: 202–207. https://www.cdc.gov/mmwr/volumes/70/wr/mm7006a4.htm?s cid=mm7006a4 w
- U.S. Department of Health and Human Services (HHS). The Opioid Epidemic by the Numbers. [2021] Infographic. https://www.hhs.gov/opioids/sites/default/files/2021-02/opioids-infographic.pdf
- Overdose Detection Mapping Application Program (ODMAP), Alter A, Yeager C. COVID-19 Impact on US National Overdose Crisis. [2020] 5-page article analyzing national overdose data shows 17% increase of overdose information submissions from March through May 2020. https://www.odmap.org:4443/Content/docs/news/2020/ODMAP-Report-June-2020.pdf

Fatalities By Industry and Occupation

- CDC, Morbidity and Mortality Weekly Report, Harduar Morano L, Steege AL, Luckhaupt SE.
 Occupational Patterns in Unintentional and Undetermined Drug-Involved and Opioid-Involved Overdose Deaths United States, 2007- 2012. [2018] MMWR 2018 67(33):925-930. https://www.cdc.gov/mmwr/volumes/67/wr/mm6733a3.htm?scid=mm6733a3 w
- CDC, National Institute for Occupational Safety and Health, (NIOSH). Drug Overdose Deaths at Work Infographics. https://www.cdc.gov/niosh/topics/opioids/infographics.html
- American Journal of Industrial Medicine. Hawkins, D, Roelofs, C, Laing, J, et al. Opioid-Related Overdose Deaths by Industry and Occupation-Massachusetts, 2011-2015. [2019] AJIM 2019; 62: 815–825.
 https://onlinelibrary.wiley.com/doi/abs/10.1002/ajim.23029?casa_token=y9k6uCgy1SgAAAAA:VKnTcw6kr6J2%20YayT4FXZJ9XRtVx00FYI1ehZVr8AyHVZB_NLANI3MUYcxplp-XiL1Wgz4YAHYpsXfl8

Massachusetts Department of Public Health, Opioid-Related Overdose Deaths in Massachusetts by Industry and Occupation, 2016-2017. [2021] 34-page article. https://www.mass.gov/doc/opioid-related-overdose-deaths-by-industry-and-occupation-2016-2017-0/download#:~:text=A%20total%20of%204%2C224%20opioid,-2017%20(Figure%201).

Fatalities By Race and Ethnicity

- Centers for Disease Control and Prevention (CDC) Vital Signs. Drug Overdose Deaths Rise, Disparities Widen: Differences Grew by Race, Ethnicity and Other Factors. [2021] From 2019 to 2020, overdose deaths increased 44% for Black people and 39% for American Indian and Alaskan Native people. https://www.cdc.gov/vitalsigns/overdose-death-disparities/index.html
- CDC, Morbidity and Mortality Weekly Report. Kariisa M, Davis NL, Kumar S, et al. *Vital Signs:* Drug Overdose Deaths, by Selected Sociodemographic and Social Determinants of Health Characteristics 25 States and the District of Columbia, 2019–2020. [2022] MMWR 2022; 71:940–947.
 - https://www.cdc.gov/mmwr/volumes/71/wr/mm7129e2.htm?s_cid=mm7129e2_w
- U.S. Department of Health and Human Services Office of Minority Health, Mental and Behavioral Health – Hispanics. [2021] https://minorityhealth.hhs.gov/omh/browse.aspx?lvl=4&lvlid=69
- U.S. Department of Health and Human Services Office of Minority Health, Mental and Behavioral Health – Black/African American. [2021] https://minorityhealth.hhs.gov/omh/browse.aspx?lvl=4&lvlid=24
- U.S. Department of Health and Human Services Office of Minority Health, Mental and Behavioral Health- American Indians/Alaska Natives. [2021] https://minorityhealth.hhs.gov/omh/browse.aspx?lvl=4&lvlid=39
- U.S. Department of Health and Human Services Office of Minority Health, Mental and Behavioral Health-Native Hawaiians/Pacific Islanders. [2021] https://minorityhealth.hhs.gov/omh/browse.aspx?lvl=4&lvlid=172
- International Journal on Drug Policy, Rhodes B, Costenbader B, Wilson L, Hershow R, Carroll J, Zule W, et al. Urban, individuals of color impacted by fentanyl-contaminated heroin. Int J Drug Policy. [2019] 73:1–6. Available for purchase. Article describes qualitative 4-month study of experiences of urban, individuals of color who inject drugs. "Removal of trusted drug sources from a community may inadvertently increase overdose risk."
 https://www.sciencedirect.com/science/article/abs/pii/S0955395919301860?via%3Dihub
- Center for American Progress (CAP). Carratala S, Maxwell C. Health Disparities by Race and Ethnicity. Factsheet [2020] https://www.americanprogress.org/article/health-disparities-race-ethnicity

National Institute of Environmental Health Sciences Worker Training Program

OPIOIDS AND THE WORKPLACE: PREVENTION AND RESPONSE

Non-Fatal Overdose

CDC Morbidity and Mortality Weekly Report (MMWR). Casillas SM, Pickens CM, Stokes EK et al. Patient-Level and County-Level Trends in Nonfatal Opioid Involved Overdose Emergency Medical Services Encounters- 491 Counties, United States, January 2018 - March 2022. [2022] Weekly / August 26, 2022 / 71(34);1073–1080 https://www.cdc.gov/mmwr/volumes/71/wr/mm7134a1.htm?s cid=mm7134a1 w

Opioid Epidemic and Infectious Disease

Hepatitis C

Health Affairs 38, Pharmaceuticals and Medical Technology. Powell D, Alpert A, Pacula R L. A Transitioning Epidemic: How the Opioid Crisis is Driving the Rise in Hepatitis C. [2019] https://www.healthaffairs.org/doi/epdf/10.1377/hlthaff.2018.05232

COVID-19

American Industrial Hygiene Association, Rosen, J, Harnett P. Confronting 2 Crises: The COVID-19 Pandemic, the Opioid Epidemic, and the IH. [2021] Journal article exploring impact of pandemic conditions on mental health, opioid overdose, fatalities and addiction, highlighting correlation between work related pain and opioid misuse; with a focus on public health and the work of Industrial Hygienists. AIHA, the Synergist January 2021. https://synergist.aiha.org/202101-confronting-two-crises

Preventing Opioid Misuse: Workplace Training, Toolkits, Resources

Federal Resources

- CDC, National Institute for Occupational Safety and Health, (NIOSH) Safety Blog. Rosen J, Osborne JC, Chosewood LC. New NIEHS Resources to Prevent and Address Opioid Misuse and Promote Recovery. [2022] Page provides information on extent of epidemic in workforce and shares labor, industry and agency resources on recovery friendly worksites including training, peer-based member assistance, and support. https://blogs.cdc.gov/niosh-science-blog/2022/04/06/oud-resources
- CDC, National Institute for Occupational Safety and Health (NIOSH). Opioids in the Workplace: Resources. Page links to information for employers and workers about overdose in the workplace, preventing overdose, care and recovery, and resource links. https://www.cdc.gov/niosh/topics/opioids/resources.html



National Institute of Environmental Health Sciences (NIEHS), Initiatives to Prevent Opioid Misuse and Promote Recovery Friendly Workplace Programs (RFW). [2022] 46-page report page report on initiatives in use by unions, employers, community-based organizations, and government agencies for the prevention of opioid misuse and promotion of recovery friendly workplace programs.

https://tools.niehs.nih.gov/wetp/index.cfm?id=2621

And PDF of the report:

https://tools.niehs.nih.gov/wetp/opioid_files/WTP%20Opioids%20Initiative%2002152022_508.pdf

- National Institute of Environmental Health Sciences (NIEHS), National Clearinghouse for Worker Safety and Health Training. Opioids & Substance Use: Workplace Prevention & Response. Page provides extensive bilingual training resources in English and Spanish for "Opioids and the Workplace Training" at the awareness and instructor level. It links to resources for workplace response toolboxes, training presentations, podcasts, technical resources, and federal agency webpages responding to substance misuse in the workplace. https://tools.niehs.nih.gov/wetp/index.cfm?id=2587
- National Institute of Environmental Health Sciences (NIEHS), National Clearinghouse for Worker Safety and Health Training. Page links to Clearinghouse of safety trainings by topic. Searching for 'opioid' leads to multiple training options. https://tools.niehs.nih.gov/wetp
- National Institute of Environmental Health Sciences (NIEHS), Opioids and Worker Health-Partnerships for Environmental Public Education, PEPH. [2019] Page links to numerous training tools, including podcast on Opioids and Worker Health [2019], Hazard Alerts, Toolbox Talks, more.
 https://www.niehs.nih.gov/research/supported/translational/peph/podcasts/2019/jan24_opioids/
- Department of Health and Human Services (DHHS), Substance Abuse and Mental Health Services Administration, Center for Substance Abuse Prevention, Division of Workplace Programs. Model Plan for a Comprehensive Federal Drug-Free Workplace Program. [2022] Second Edition HHS (ADM)90-1635. 150-page document details federal program, including laws, guidance, mandatory testing guidelines and more. https://www.samhsa.gov/sites/default/files/model-plan-dfwp.pdf

State and Organizational Resources

Online training class portal, funded by Massachusetts Department of Health. Health Resources in Action (HRiA) BeHere Behavioral Health and Racial Equity Initiative Resource Library, Recovery Support as a Whole-Workplace Benefit. [2022] Page links to resources and registration for trainings addressing recovery-friendly workplace, overdose prevention, provider strategies, naloxone purchasing programs, housing as harm reduction, and online resources for pain prevention.

https://behereinitiative.org/resources and https://behereinitiative.org/workplace/recovery-supportive-workplace

index.cfm

- Minnesota Department of Health, Opioid Epidemic Response: Employer Toolkit. Page links to a 5-step toolkit plus links to Minnesota addiction prevention services. Includes video links, fliers, and emergency phone numbers.
 - https://www.health.state.mn.us/communities/opioids/communities/employertoolkit.html
- University of Massachusetts Lowell, Center for the Promotion of Health in the New England Workplace, Stone, Sand and Gravel Opioid Hazard Awareness. A Mine Safety and Health Administration Refresher Training Module for Stone, Sand and Gravel Workers. [2022] Resource page links to training modules, videos, and information sites. https://www.uml.edu/research/cph-new/education-training/opioid-hazard-awareness
- University of Massachusetts Lowell, Center for the Promotion of Health in the New England Workplace, Roelofs C. Guide to Preventing Opioid Harms in the Stone, Sand, and Gravel Mining Sector. [2022] 26-page guide for employers to implement an effective Opioid Hazard Awareness Program.
 https://www.uml.edu/docs/6.10.22%20Employer%20Guide_REMEDIATED%206.21.22_tcm18-353667.pdf
- University of Massachusetts Lowell, Center for the Promotion of Health in the New England Workplace, Roelofs C, Opioids and Work: A Formative Research Assessment to Inform Educational Outreach [2018] 37-page document highlighting worker interviews connecting painful work injuries with opioid use, exploring employer and union workplace policies and practices to deal with opioid misuse, and providing recommendations for educational intervention.
 - https://www.uml.edu/docs/Opioids%20and%20Work%20Formative%20Research_FINAL_Jan%20 30%202019 tcm18-305156.pdf

Union and Labor Coalition Resources

- North America's Building Trades Unions NABTU. NAPTU Opioid Awareness Training Program Participant Handout Module 1. [2020] Link opens a 6-page training document. https://www.cpwr.com/wp-content/uploads/NABTU_Opioid_Awareness_Training_Program-Participant_Handout-Module_1.pdf
- American Federation of Teachers (AFT) The Opioid Crisis: A Resource Guide. Webpage provides resources on role of big pharma, naloxone, recovery, and preventing occupational exposures to opioids.
 - https://www.aft.org/healthcare/opioid-crisis-resource-guide
- International Association of Fire Fighters. Responding to the Opioid Epidemic. Page links to a series of ten training videos about opioid misuse disease, situational awareness, managing exposure risks, managing compassion fatigue, and more. https://www.iaff.org/opioid-epidemic
- International Union of Operating Engineers. Member Assistance Program. Page links to several videos, testimonials and training resources on mental health awareness, suicide prevention and substance misuse.
 - https://www.iuoe.org/members/member-assistance-program

- Labor Assistance Professionals (LAP), Labor Helping Labor. Site links to union videos, resources and support around addiction, alcohol, and opioids. https://www.laborassistanceprofessionals.com
- New York City District Council of Carpenters, Benefit Funds, **MEND Program and Wellness**. The New York City District Council of Carpenters Welfare Fund. Members Education and Network for Dependency ("MEND") Program provides participants and their dependents access to confidential treatment for substance abuse and mental health issues. https://nyccbf.org/news-media/mend-program-and-wellness/#:~:text=As%20a%20part%20of%20its,their%20dependents%20access%20to%20confidential
- Building Trades of Philly, Allied Trades Assistance Program (ATAP), Offering Realistic Strategies for the Problems of Everyday Life. ATAP is a confidential assistance program created by Philadelphia Trade Unions to assist members and their families struggling with mental health and substance use disorders. Assistance is available 24/7. https://www.alliedtrades-online.com

Video Training Aids

International Union of Operating Engineers [2019] 10-minute Video: The Road Home.
Interviews of members demonstrates the power of peer-based member assistance programs.
https://youtu.be/AvTcg1X_faE

Recovery-Friendly Workplace (RFW)

RFW Federal Resources

- National Institute of Environmental Health Sciences (NIEHS) Opioids and the Workplace: Prevention and Response. Preventing Workplace Injury and Stress Can Help Stop The Opioid Crisis. 6-page prevention program with recommendations to evaluate connection between workplace injury and opioid use, to analyze injury trends and OSHA logs, and to implement effective plans to minimize workplace hazards and stress. https://tools.niehs.nih.gov/wetp/public/hasl_get_blob.cfm?ID=12326
- NIH National Institute of Environmental Health Sciences Worker Training Program. Covid-19 Pandemic's Impact on Worker Mental Health and Substance Use, Workplace Solutions. [2022] 67-slide, awareness-level presentation about the impact of COVID-19 pandemic upon worker's mental health and opioid use, and overdose trends. Presentation includes actions to reduce worker stress, minimize substance use, and implement a recovery supportive workplace.
 - https://tools.niehs.nih.gov/wetp/public/hasl_get_blob.cfm?ID=13826
- CDC, National Institute for Occupational Safety and Health (NIOSH). Workplace Supported Recovery Program. Page provides guidance for recovery supportive workplaces, recovery programs, reducing stigma, with links to additional CDC opioid misuse prevention resources. https://www.cdc.gov/niosh/topics/opioids/wsrp/default.html

Workforce GPS, NIOSH Responds to the Opioid Overdose Crisis and an Update on Workplace Supported Recovery. [2020] Page links to NIOSH 2020 webinar PowerPoint presentation, abstract and transcript, available for download. https://www.workforcegps.org/events/2020/10/14/13/34/NIOSH-Responds-to-the-Opioid-Overdose-Crisis-and-an-Update-on-Workplace-Supported-Recovery

RFW State Resources

- New Hampshire, The Recovery Friendly Workplace Initiative. Site links to components of New Hampshire Recovery Friendly Workplace project, providing information for employers interested in becoming an RFW, identifying RFW established in NH, describing funding and community partners. Includes Statement from NH RFW Advisory Council on Racial Justice and Inclusivity. https://www.recoveryfriendlyworkplace.com/
- Connecticut Department of Public Health, Connecticut Department of Labor. Recovery Works: The Recovery Friendly Workplace Toolkit. Page opens 63-page document describing strategies to create recovery friendly workplaces, with resources for employers and employees. https://www.recoveryworksct.org/wp-content/uploads/2021/12/DHMAS001_RFW-Toolkit-Full-Update-121021.pdf
- Connecticut Department of Public Health. The Opioid Crisis and Connecticut's Workforce: Updating Your Approach to Employees Suffering from Addiction Can Preserve Your Greatest Resource. [2018] Link opens a 38-page white paper with employer and employee resources on preventing and treating substance misuse. https://portal.ct.gov/-/media/Departments-and-Agencies/DPH/dph/environmental_health/opioid-conference-writeup_FINAL-FINAL_11_28_18-(2).pdf
- Alaska Department of Health and Social Services, Addiction and the Workplace- A toolkit to support workplace wellness as it relates to substance abuse. [2020] Provides link to a 32-page toolkit with definitions, resources, legal strategies, workplace tools and evidence-based addiction prevention services in Alaska. https://health.alaska.gov/osmap/Documents/WorkplaceAddiction.pdf
- New York State Office of Addiction Services and Supports. NYS Oasis Announces Launch of New Campaign to Raise Awareness of the Recovery Friendly Workplace Tax Credit. [2022] Page provides links to substance abuse warning signs, prevention, treatment, recovery, harm reduction, treatment providers and toll-free addiction hotline. The NYS Recovery Friendly Tax Credit provides eligible employers with \$2000 per employee when they hire people in recovery and meet requirements of the program.

 https://oasas.ny.gov/news/nys-oasas-announces-launch-new-campaign-raise-awareness-recovery-friendly-workplace-tax-credit
- Ohio Chamber of Commerce, Opioid Toolkit. [2021] Page links to an 8-module course for employers to mitigate the opioid epidemic. Modules include information on legally-sound drugfree programs, drug testing, responding to employee's harmful drug use, building a healthy workplace, and navigating recovery. https://ohiochamber.com/opioid-toolkit/

RFW Non-Governmental Resources

- National Safety Council, Substance Use Employer Calculator. This updated tool provides employers with the costs of substance abuse in their worksite based on size of employee base, industry, and state.
 - https://www.nsc.org/forms/substance-use-employer-calculator
- The Peer Recovery Center of Excellence, funded by Substance Abuse and Mental Health Administration (SAMHSA). **Recovery Friendly Workplace Toolkit**. [2021] Page links to 20-page Toolkit for employers with guidance on setting up a Recovery Friendly Workplace. https://peerrecoverynow.org/resources/resourceDetails.aspx?resourceID=129

RFW Training Videos

PRIZEMED Workplace Supportive Recovery. [2021] Video: Page links to videos about workplace supportive recovery programs.
https://prizemed.com/workplace-supported-recovery/

Supporting Recovery at the Workplace

- SHATTERPROOF, The Shatterproof Addiction Stigma Index, in collaboration with The Hartford. [2022] This report explores results of measurement tools designed to assess people's attitudes towards those who use substances, addressing stigma and discrimination in the workplace towards substance users.
 - https://www.shatterproof.org/our-work/ending-addiction-stigma/shatterproof-addiction-stigma-Index
- National Safety Council, Begin Addressing Opioids in Your Organization. [2022] This webpage links to a toolkit of sample policies, fact sheets, presentations, safety talks, posters, videos and more to help employers implement a workplace program on opioids. https://www.nsc.org/workplace/resources/opioids-at-work-employer-toolkit?
- New Solutions: A Journal of Environmental and Occupational Health Policy. Campbell, S, Rosen, J. The Intersectionality of Activism and Public Health in New York State: Can Labor/Health and Safety Move Addiction Recovery Forward? [2021] 2021; 31. 10-page research article.
 - https://journals.sagepub.com/doi/full/10.1177/10482911211046267?casa_token=k5gTTFsC8H8AAAAA%3Au1dip-PTiSzKz8S6gbHHqcC3fvCVIJZ0zO13PGmZk8iPz1tpLl8pLeFpPN18zrNgHTc3dWARXVgK
- Institute for Work & Health, 5 Things We Think You Should Know About Return to Work.
 [2019]
 - https://www.iwh.on.ca/sites/iwh/files/iwh/reports/5_things_we_think_you_should_know_rtw.pdf
- Job Accommodation Network (JAN), **Accommodation and Compliance Series: Employees with Drug Addiction**. [2022]
 - https://askjan.org/disabilities/Drug-Addiction.cfm and download link https://askjan.org/publications/Disability-Downloads.cfm?publd=1280055

NIH National Institute of Environmental Health Sciences, Worker Training Program. Opioid-Related Hazards In The Workplace: Developing a Training Framework to Address Exposure, Use and Prevention [2018] 30-page report from the Fall 2018 Workshop, outlining the connection between workplace injuries and opioid misuse, defining at-risk populations, addressing training and education needs, and exploring best practices for prevention. https://www.niehs.nih.gov/news/events/pastmtg/hazmat/assets/2018/wtp_fall_2018_workshop_report_508.pdf

Workplace Ergonomics and the Opioid Epidemic

- American Industrial Hygiene Association (AIHA), Dale AM, Evanoff B, Macomber M, O'Reilly M, Rosen, J, Schneider S. Can Ergonomics Programs Help Solve the Opioid Crisis? Preventing Pain is the Key. [2019] AIHA, the Synergist https://synergist.aiha.org/201905-ergonomics-opioid-crisis
- Occupational Safety and Health Administration, OSHA. Ergonomics. Provides overview and links to existing OSHA and NIOSH guidelines for ergonomics programs in different industries. https://www.osha.gov/ergonomics and https://www.osha.gov/ergonomics/control-hazards

Construction Trades and the Opioid Epidemic

Federal Guidance - Opioids and Construction

National Institute on Drug Abuse (NIDA) Workplace Guidelines to Prevent Opioid and Substance Abuse for the Construction Trades [2021] 54-page document on how to create a recovery friendly workplace.

https://hwc.public-health.uiowa.edu/wp-content/uploads/Workplace-Opioid-Prevention-Program-Guidelines-for-Construction_v3.0.pdf

Non-Governmental Guidance— Opioids and Construction

- The Center for Construction Research and Training, Mental Health and Addiction. **Resources to Prevent Opioid Deaths in Construction**. [2021] Page links to numerous websites with bilingual factsheets, toolkits, videos, infographics, research and articles from their own library and the CDC, NIOSH, National Safety Council, NIH, SAMHSA, Washington State L&I, US DOT, NABTU Opioid Task Force, and the Healthier Workforce Center of the Midwest. https://www.cpwr.com/research/research-to-practice-r2p/r2p-library/other-resources-for-stakeholders/mental-health-addiction/opioid-resources
- The Center for Construction Research and Training. Page links to Opioid Awareness Training Program. [2021]
 https://www.awareness.org/links.org/lin

https://www.cpwr.com/research/research-to-practice-r2p/r2p-library/other-resources-for-stakeholders/mental-health-addiction/opioid-resources/opioid-awareness-training-program

- Center for Construction, Research and Training. Handouts, Planning Tools and Training Programs: Mental Health and Addiction. This site addresses construction workers and provides links to bilingual resources on opioid deaths, prevention, pain management, and suicide prevention.
 - https://www.cpwr.com/research/research-to-practice-r2p/r2p-library/other-resources-for-stakeholders/mental-health-addiction/
- Healthier Workforce Center of the Midwest and Washington University in St. Louis. Starting a Prevention Program for Opioid Abuse in Construction. [2021] 10-page training document. https://hwc.public-health.uiowa.edu/wp-content/uploads/How-to-Get-Started-v.1.pdf
- Association of Union Contractors. TheConstructionUser. Confronting the Opioid Crisis, What Contractors Can Do Today. [2018] Page opens to a 32-page magazine addressing opioid epidemic in construction.

https://www.tauc.org/files/TCU_SPRING_2018.pdf

Podcast

Associated General Contractors of America, ConstructorCast: The Opioid Crisis & Construction. [2019] Page opens a 30-minute podcast on SoundCloud. https://soundcloud.com/agcofamerica/constructorcast-the-opioid-crisis-construction

Preventing Occupational Exposure to Opioids

NIOSH Health Hazard Evaluations (HHE)

National Institute for Occupational Safety and Health, NIOSH. Opioids in the Workplace: Field Investigations. [2018-2019] Page links to seven NIOSH Health Hazard Evaluations (HHE) analyzing the impact of opioid and illicit drug exposures on members of law enforcement, fire department emergency response, and emergency medical units. https://www.cdc.gov/niosh/topics/opioids/fieldinvestigations.html

Federal Guidance for Exposure Prevention

- Occupational Safety and Health Administration, OSHA. Hospitals e-Tool, Emergency Department Opioids such as Fentanyl. Provides links to pages on fentanyl safety guidelines from numerous federal agencies and organizations, such as NIOSH, NIH, White House Security Council, and American College of Toxicology. https://www.osha.gov/etools/hospitals/emergency-department/opioids
- National Institute for Occupational Safety and Health (NIOSH). Fentanyl: Emergency Responders At Risk. Preventing Emergency Responders' Exposures to Illicit Drugs. [2020] Page provides information and training resources for First Responders, including information on PPE, training, and decontamination. https://www.cdc.gov/niosh/topics/fentanyl/risk.html

- National Institute for Occupational Safety and Health (NIOSH). Fentanyl: Emergency Responders at Risk. Preventing Occupational Exposure to Healthcare Personnel in Hospital and Clinic Settings. [2020] Page includes information on work practices, personal protective equipment, and decontamination. https://www.cdc.gov/niosh/topics/fentanyl/healthcareprevention.html
- NIOSH Science Blog, Hornsby-Myers J, Dotson GS, Hornback D, Fentanyl Exposure Risks for Law Enforcement and Emergency Response Workers. [2017] https://blogs.cdc.gov/niosh-science-blog/2017/06/22/fentanyl
- U.S. Drug Enforcement Administration (DEA). Fentanyl Safety Recommendations for First Responders. [2017] Page links to downloadable .pdf of printable factsheet. https://www.dea.gov/documents/2017/2017-11/2017-11-28/fentanyl-safety-recommendations-first-responders
- U.S. Department of Homeland Security, Proceedings from the 2017 Fentanyl Working Meeting [2018) 49-page comprehensive guide with recommendations to protect emergency first responders from fentanyl exposure, including updated recommendations for responding to skin exposures. https://www.dhs.gov/sites/default/files/publications/ochco-dhs-proceedings-from-fentanyl-working-

https://www.dhs.gov/sites/default/files/publications/ochco-dhs-proceedings-from-fentanyl-working-meeting-20180501.pdf

State Guidance for Exposure Prevention

- Virginia Department of Health, Division of Environmental Epidemiology. Fentanyl Safety Information for First Responders [2018] www.vdh.virginia.gov/content/uploads/sites/23/2018/01/ Fentanyl-FAQ-opioid-exposure-among-va-first-responder-survey.pdf
- California Commission on Peace Officer Standards and Training. Fentanyl Exposure Risks for Law Enforcement. [2022] Page includes links to training video, web resources and fact sheets on protection from exposure to fentanyl and fentanyl analogs in the field. https://post.ca.gov/fentanyl-exposure-risks-for-law-enforcement
- Indiana State Department of Health, Division of Emergency Preparedness. First Responder Precautions for Unknown Opioids. [2018] https://www.in.gov/health/overdose-prevention/files/60_First-Responder-Precautions-for-Unknown-Opioids-Mar-2018.pdf

Non-Governmental Guidance for Exposure Prevention

- American College of Medical Toxicology (ACMT) ACMT Statement on Fentanyl Exposure [2017] https://www.acmt.net/cgi/page.cgi/_zine.html/The_ACMT_Connection/ACMT_Statement_on_ Fentanyl_Exposure#:~:text=Workers%20who%20may%20encounter%20fentanyl,be%20trained%20 to%20administer%20naloxone.
- American College of Medical Toxicology. ACMT and AACT Position Statement: Preventing Occupational Fentanyl and Fentanyl Analog Exposure to Emergency Responders. [2017] https://www.acmt.net/_Library/Positions/Fentanyl_PPE_Emergency_Responders_.pdf

- New Solutions: A Journal of Environmental and Occupational Health Policy. Basham, C, Cerles, A, Rush, M, et al. Occupational safety and health and illicit opioids: state of the research on protecting against the threat of occupational exposure. [2021] 2021; 31. Summarizes NIOSH's work on these issues. https://www.ncbi.nlm.nih.gov/pmc/articles/PMC9125692
- BioMed Central BMC, Part of Springer Nature, Health and Justice. del Pozo B, Sightes E, Kang S et al. Can touch this: training to correct police officer beliefs about overdose from incidental contact with fentanyl [2021] Health Justice 9, 34 2021. Link to 6-page open access article. https://healthandjusticejournal.biomedcentral.com/articles/10.1186/s40352-021-00163-5
- National Library of Medicine, National Center for Biotechnology Information, <u>PubMed.gov</u>. Chui S K, Li J F, Nolte K B, Evaluating the Potential for Unintentional Occupational Exposure to Fentanyl and Fentanyl Analogs Among Medicolegal Death Investigators and Autopsy technicians. [2020] Abstract, similar articles and resources at this link. https://pubmed.ncbi.nlm.nih.gov/31986226
- International Order of the Golden Rule, Allen M, Riddlesperger J S, McClure S. **Opioid Epidemic: How Funeral Directors Can Respond** [2017]. Access to free, Kindle 44-page booklet for funeral directors and staff.

 https://www.amazon.com/Opioid-Epidemic-Funeral-Directors-Respond-ebook/dp/B074CG9L49/ref=

 sr_1_3?ie=UTF8&qid=1503004039&sr=8-3&keywords=opioid+epidemic

Exposure Prevention Training Resources

- National Institute of Environmental Health Sciences (NIEHS), National Clearinghouse for Worker Safety and Health Training. This page links to training resources on Illicit Drug Exposure page, as well as to opioid response resources from other federal agency websites, including CDC, NIOSH, OSHA, ASTDR, more. https://tools.niehs.nih.gov/wetp/index.cfm?id=2562
- National Institute of Environmental Health Sciences (NIEHS) Worker Training Program, Prevention of Occupational Exposure to Fentanyl and Other Opioids. [2018] 77-page slide deck and training tool. https://tools.niehs.nih.gov/wetp/public/hasl_get_blob.cfm?ID=11206
- National Institute on Occupational Safety and Health (NIOSH) Illicit Drug Tool-Kit for First Responders. Page links to NIOSH recommendations, and printable infographics, postcards, and a 12- minute video on using PPE to prevent occupational exposure to illicit drugs for emergency responders.
 https://www.cdc.gov/niosh/topics/fentanyl/toolkit.html
- Overdose Response Strategy (ORS), Centers for Disease Control (CDC) and High Intensity Drug Trafficking Areas (HIDTA) Using Fentanyl Test Strips as a Tool for Preventing Overdose and Facilitating Linkages to Care. [2021] 54- slide presentation (45-slides on content) discussing harm reduction methods and effectiveness of use of Fentanyl Test Strips (FTS) in preventing overdose among adults using opioids and illicit drugs. https://heller.brandeis.edu/opioid-policy/pdfs/overdose-response-strategy_5.26.21_fts-special-webinar_final.pdf

- Environmental Protection Agency (EPA) Fentanyl Toxicity, Exposure and Risk. [2018] 13-slide training presentation on fentanyl dose-response toxicity, routes of exposure, target organs, and exposure impact.
 - https://www.epa.gov/sites/default/files/2018-11/documents/decon presentation 010.pdf
- The Interagency Board. Recommendations on Selection and use of Personal Protective Equipment Products for First Responders Against Exposure Hazards to Synthetic Opioids, Including Fentanyl and Fentanyl Analogs. [2017] https://www.ojp.gov/pdffiles1/nij/nlectc/251226.pdf

Videos

- FEMA Center for Domestic Preparedness. **Response Short: Fentanyl** [2021] Effective 5-minute training video for first responders. https://www.youtube.com/watch?v=1CY2AyBhf1A
- US Customs and Border Protection. Fentanyl: The Real Deal. [2018] 7-minute video on PPE and protections from fentanyl exposure for first responders.
 https://www.in.gov/health/overdose-prevention/files/60_First-Responder-Precautions-for-Unknown-Opioids-Mar-2018.pdf
- WITN Channel 22. 22Health. Fentanyl: Preventing Occupational Exposure to Emergency Responders-May 2019 [2019] 13-minute video on police exposures to fentanyl during a police drug response call. Includes review of safe work practices, and an analysis of incorrect PPE and respirator use during operations, leading to overdose of first responders.

 https://www.youtube.com/watch?v=oLM7SMpu0Us

Opioid Policy Reform Proposals

Burris S.JD. Where Next for Opioids and the Law? Despair, Harm Reduction, Lawsuits, and Regulatory Reform. [2018] Public Health Reports 133(1):29-33. 5-page article exploring legislation and recommending harm reduction measures and better drug treatment options. https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5805103/pdf/10.1177_0033354917743500.pdf

American Public Health Association (APHA) Policy Statements

- An Equitable Response to the Ongoing Opioid Crisis- Policy Number 202113. [2021] https://apha.org/Policies-and-Advocacy/Public-Health-Policy-Statements/Policy-Database/2022/01/07/An-Equitable-Response-to-the-Ongoing-Opioid-Crisis
- A Public Health Approach to Protecting Workers from Opioid Use Disorder and Overdose Related to Occupational Exposure, Injury and Stress-Policy Number 202012. [2020] https://www.apha.org/policies-and-advocacy/public-health-policy-statements/policy-database/2021/01/13/protecting-workers-from-opioid-use-disorder

Opioid Treatment Guidance: Pain Management and Alternatives

Federal Guidance - Pain Management

- Centers for Disease Control and Prevention (CDC). Alternative Treatments Fact Sheet: Nonopioid Treatments for Chronic Pain. 2-page fact sheet. https://www.cdc.gov/drugoverdose/pdf/nonopioid_treatments-a.pdf
- National Institute for Occupational Safety and Health (NIOSH). Prescription Opioid and Benzodiazepine Medications and Occupational Safety and Health, Information for Employers and Healthcare Providers. DHHS(NIOSH) Pub. No. 2021-116 [2021] Page links to printable 5-page factsheet. https://www.cdc.gov/niosh/docs/2021-116/pdfs/2021-116.pdf?id=10.26616/NIOSHPUB2021116
- National Academies of Sciences (NAS), Engineering, Medicine, Consensus Study Report. Pain Management and the Opioid Epidemic: Balancing Societal and Individual Benefits and Risks of Prescription Opioid Use. [2017] Page accesses free .pdf download of Consensus Study Report, a book covering the science of pain research, and identifying actions for FDA and others to take in response to opioid epidemic. https://www.nap.edu/catalog/24781/pain-management-and-the-opioid-epidemic-balancing-societal-and-individual
- National Institute for Occupational Safety and Health (NIOSH) Medication-assisted treatment for opioid use disorder. [2019] By Howard J, Cimineri L, Evans T, Chosewood LC, Afanuh S. Washington, DC: U.S. Department of Health and Human Services, CDC, National Institute for Occupational Safety and Health, DHHS (NIOSH) Publication No. 2019-133 https://www.cdc.gov/niosh/docs/wp-solutions/2019-133/default.html

Workers' Compensation - Pain Management

- Mathematica Progress Together, Ben Shalom Y, McIntyre M, Pu J, Shenk M, Zhu W. Workers Compensation and the Opioid Epidemic: State of the Field in Opioid Prescription Management. [2020] 92-page report with proscribing guidelines, overview of laws and policies, and strategies to limit prescriptions of opioids through use of alternative medications. https://www.dol.gov/sites/dolgov/files/OASP/evaluation/pdf/OWCP_OpioidPrescriptionManagement1_FinalReport_Aug2020.pdf
- Michigan State University College of Human Medicine, Project S.E.N.S.O.R. News, V33 no.1 Opioid Prescriptions Among Patients Receiving Workers' Compensation. [2022] https://oem.msu.edu/images/newsletter/ProjectSensor/2022/V33N1_Winter2022.pdf
- US Department of Labor, Office of Workers' Compensation Programs. (OWCP) OWCP's New Opioid Policy to Protect Federal Injured Workers. Page links to a four-part strategy to combat opioid epidemic for federal workers, with links to additional resources and bulletins. https://www.dol.gov/agencies/owcp/FECA/opioidactionplan

State Guidance - Pain Management

National Library of Medicine, Missouri Medicine, Journal of the Missouri State Medical Association, Reynolds, WR and Schwarz, ES. Dentists' Current and Optimal Opioid Prescribing Practices: A Proactive Review [2019] https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6797033

Medication-Assisted Treatment (MAT)

Federal Guidance - MAT

- National Institute for Occupational Safety and Health (NIOSH). Workplace Solutions: Medication- Assisted Treatment for Opioid Use Disorder. [2019] This 7-page publication provides references and resources on medication-assisted treatment for opioid use disorder. https://www.cdc.gov/niosh/docs/wp-solutions/2019-133/pdfs/2019-133.pdf?id=10.26616/
- U.S. Department of Health and Human Services/OPIOIDS. Resources for Opioid Treatment Providers. Page provides federal guidelines for opioid treatment programs, and training links, mobile apps, and more.
 https://www.hhs.gov/opioids/treatment/resources-opioid-treatment-providers/index.html
- Substance Abuse and Mental Health Services Administration (SAMHSA). Medication-Assisted Treatment MAT. [2022] 'Learn how MAT is used to treat substance use disorders as well as sustain recovery and prevent overdose.' Page links to multiple resources on use of Buprenorphine and other information for medication-assisted addiction treatment. Links provided to multiple languages.

 https://www.samhsa.gov/medication-assisted-treatment
- Substance Abuse and Mental Health Services Administration (SAMHSA) Medication-Assisted Treatment MAT Statutes, Regulation and Guidance. [2022] Page links to comprehensive information about medication assisted treatment, including regulations SUPPORT Act, CARA, DATA, OTP regulations, State Medical Board guidance, and more, with language and translation links.
 https://www.samhsa.gov/medication-assisted-treatment/statutes-regulations-guidelines
- US Health and Human Services, Federal register. **Practice Guidelines for the Administration of Buprenorphine for Treating Opioid Use Disorder** [2021] https://www.federalregister.gov/documents/2021/04/28/2021-08961/practice-guidelines-for-the-administration-of-buprenorphine-for-treating-opioid-use-disorder

Methadone

National Academies of Sciences, Engineering and Medicine, Proceedings. Methadone Treatment for Opioid Use Disorder - Improving Access Through Regulatory and Legal Change: Proceedings of a Workshop [2022] Link provides free download of 168-page review of methadone treatment, history, barriers, federal regulations, criminal justice system, regulatory innovations, social justice and equitable access. https://nap.nationalacademies.org/catalog/26635/methadone-treatment-for-opioid-use-disorder-

https://nap.nationalacademies.org/catalog/26635/methadone-treatment-for-opioid-use-disorder-improving-access-through-regulatory?goal=0_96101de015-a2caac9d58-102883933&mc_cid=a2caac9d58&mc_eid=3b22592a8f

Naloxone and Buprenorphine

- Substance Abuse and Mental Health Services Administration (SAMHSA). What Is Naloxone? [2022] Page links to Naloxone information resources, including proscribing recommendation, side effects, and training links.
 - https://www.samhsa.gov/medication-assisted-treatment/treatment/naloxone
- National Institute for Occupational Safety and Health (NIOSH). Using Naloxone to Reverse Opioid Overdose in the Workplace: Information for Employers and Workers. [2019] https://www.cdc.gov/niosh/docs/2019-101/default.html
- National Institute on Drug Abuse (NIDA). Naloxone DrugFacts. [2022] Page with drug facts provides access to Spanish translation.
 https://nida.nih.gov/publications/drugfacts/naloxone
- The Network for Public Health Laws. **Legal Interventions to Reduce Overdose Mortality:**Naloxone Access and Good Samaritan Laws. [2021]

 https://www.networkforphl.org/resources/legal-interventions-to-reduce-overdose-mortality-naloxone-access-and-good-samaritan-laws
- ADAPT Pharma, Inc. Narcan® Nasal Spray. https://www.narcan.com
- Drugs.com. Naloxone Injection. https://www.drugs.com/naloxone.html
- National Institute on Drug Abuse (NIDA) News Release. Offering buprenorphine medication to people with opioid use disorder in jail may reduce rearrest and reconviction. [2022] https://nida.nih.gov/news-events/news-releases/2022/01/offering-buprenorphine-medication-to-people-with-opioid-use-disorder-in-jail-may-reduce-rearrest-and-reconviction

Buprenorphine Training

- Substance Abuse and Mental Health Services Administration (SAMHSA) Training Materials and Resources. Page contains links to information about Buprenorphine (Suboxone®) in English, Cambodian/Khmer, Chinese, Korean, Russian, Spanish, and Vietnamese. Includes access to overdose prevention toolkit, more.
 - https://www.samhsa.gov/medication-assisted-treatment/training-resources

Opioid and Substance Misuse Treatment

Federal Treatment Resources

- Substance Abuse and Mental Health Services Administration (SAMHSA). Start Your Recovery: Support for Overcoming Substance Misuse. https://startyourrecovery.org/
- Substance Abuse and Mental Health Services Administration (SAMHSA). Behavioral Health Treatment Services Locator. https://findtreatment.samhsa.gov/
- FindTreatment.gov. **Treatment Locator**. Page links to search engine that locates nearest treatment facility by address or zip code entered. Using the search engine opens information on treatment options, paying for treatment, and information about addiction and mental health. https://www.findtreatment.gov/
- National Institute on Drug Abuse (NIDA), Advancing Addiction Science. Parents and Educators. Page provides varied lesson plans and resources for parents and educators, designed for students and youth to learn about drugs and drug use. https://nida.nih.gov/research-topics/parents-educators

Private Treatment Resources

- Addiction Resource. Substance Abuse Resources: All The Help You Need To Beat Addiction. Page provides links to addiction recovery meetings, drug tests, rehabs, clinics, and support groups. https://addictionresource.com/
- Addiction Hub: Find Support Groups in Your Area. Page lists links to various 12-step programs.
 https://addictionhub.org/support-groups/
- ATLAS- Addiction Treatment Locator, Assessment, and Standards Platform. Find High Quality Addiction Treatment. Page provides information about addiction treatment programs and centers in DE, LA, FL, MA, NJ, NY, NC, OK, PA and WV. https://www.treatmentatlas.org/
- Start Your Recovery. Support for Overcoming Substance Misuse, Tailored to You. https://startyourrecovery.org/

Treatment Video

Jefferson Health: Distributing Fentanyl Test Strips in the Emergency Department [2022] 6-minute video promoting a Philadelphia hospital's risk reduction practice of providing fentanyl test strips to patients who use drugs.
https://www.youtube.com/watch?v=Rl3nSZkrlGg

Opioid Chemical and Physical Information

- National Institute of Standards and Technology NIST, US Department of Commerce. NIST and the SWGDRUG Mass Spectral Reference Library of Seized Drugs. [2021] Thorough database of chemical and toxicological characteristics of illegal drugs, including information and best practices for drug analysis. https://www.nist.gov/programs-projects/nist-and-swgdrug-mass-spectral-reference-library-seized-drugs and https://www.nist.gov/drugs-toxicology
- CDC, National Institute for Occupational Safety and Health (NIOSH). Emergency Response Card: Information for First Responders, Fentanyl: Incapacitating Agent. [2011] Fentanyl as a potential weapon of bioterrorism, with information on analytical identification, signs of exposure, medical treatment, and personal protective equipment. https://www.cdc.gov/niosh/ershdb/EmergencyResponseCard_29750022.html
- U.S. Drug Enforcement Administration (DEA). Fentanyl [2019] (Trade names: Actiq®, Fentora™, Duragesic®). Information and analysis, one-page document. https://www.deadiversion.usdoj.gov/drug_chem_info/fentanyl.pdf
- National Institute on Drug Abuse (NIDA) What Is Fentanyl? [2021] https://www.drugabuse.gov/publications/drugfacts/fentanyl
- Scientific Working Group for the Analysis of Seized Drugs. Fentanyl. http://www.swgdrug.org/Monographs/FENTANYL.pdf



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