Medication Assisted Treatment <u>or</u> Medication for Addiction Treatment from the Emergency Department: RESOURCES

Abbreviations:
> OUD = Opioid Use Disorder
> MAT = Medication Assisted Treatment
> COWS = Clinical Opiate Withdrawal Score
> BPW = Buprenorphine Precipitated Withdrawal

General Resources regarding MAT:

MAT for OUD has been standard practice in many EDs for several years. There many successful programs that share their protocols publicly.

California Bridges Model
Very comprehensive; developed by an interdisciplinary team based on published evidence and expert opinion. Includes protocols for initiating MAT; how to treat acute pain in patients on MAT for OUD; provider and patient education; sample order sets; pregnant patient considerations.
https://www.bridgetotreatment.org/resources

ACEP: Buprenorphine use in the Emergency Department Tool: BUPE
One stop website with critical materials if considering starting MAT for a patient.
Link to the COWS score in MDCalc; information regarding BPW; types of medicines available; has a smart phone application for ACEP members
https://www.acep.org/patient-care/bupe/

ACEP: E-QUAL Network Opioid Initiative
One stop website with critical materials regarding reducing opioid associated harm.
Toolkit; Pocket cards; Lectures; etc.
https://www.acep.org/administration/quality/equal/emergency-quality-network-e-qual/e-qual-opioid-initiative/

Washington ACEP: MAT in the ED
Five 1-2 page PDFs with essential information
https://washingtonacep.org/resources/mat-in-the-ed/

Yale: ED-Initiated Buprenorphine
Lots of resources including videos modeling conversations between provider and patient for post overdose, teens, and OUD.
https://medicine.yale.edu/edbup/overview/

SAMHSA: Medication Assisted Treatment
56 publications on SUD treatment & MAT
https://store.samhsa.gov/treatment-prevention-recovery/medication-assisted-treatment
https://www.samhsa.gov/medication-assisted-treatment

AAEM: Buprenorphine White Paper
Management of Opioid Use Disorder in the Emergency Department; 37-page PDF with a lot of information and resources
https://www.aaem.org/resources/statements/position

Herring; Highland Hospital: ED MAT of Opioid Addiction
Comprehensive 50-page PDF; lots of charts and discussion of the evidence for MAT in the ED; lots of practical information; proposed models for how this might look in different EDs
https://www.chcf.org/wp-content/uploads/2017/12/PDF-EDMATOpioidProtocols.pdf

Linkage to Services from the ED: Michigan

The warm-handoff is integral to helping patients with OUD achieve recovery – patients started on MAT in the ED need follow-up just like all patients with chronic medical conditions. Making this happen can be challenging and every hospital / ED will need to connect with local SUD resources and create a referral network. The use of Social Work, Care Navigators, and Peer Recovery Coaches in the ED is universally recommended.

MDHHS: Get Help Now
Providers / patients can select a county or city and get the phone number for the local SUD and Community Mental Health agencies
https://www.michigan.gov/opioids/0,9238,7-377-88140---,00.html
https://www.michigan.gov/mdhhs/0,5885,7-339-71550_2941_4871_29887---,00.html
https://www.michigan.gov/mdhhs/0,5885,7-339-71550_2941_4871_4877---,00.html

MDHHS: Opioid Health Home
Comprehensive care management for medically complex Medicaid beneficiaries with opioid use disorder
https://www.michigan.gov/mdhhs/0,5885,7-339-71547_4860_87523---,00.html

MDHHS: Peer Recovery Services and Supports; Recovery Oriented System of Care
Information on peer recovery coach services / training
https://www.michigan.gov/mdhhs/0,5885,7-339-71550_2941_4871_55008---,00.html
https://www.michigan.gov/mdhhs/0,5885,7-339-71550_2941_4871_4877_48561-84396--,00.html

211 Michigan
Call / text 24/7 to get help with a variety of issues including SUD / OUD
Website allows you to search for treatment services by zip code
https://www.mi211.org/get-help/mental-health-substance-abuse

SAMHSA: Treatment Services Locator
Allows you to search by state / zip code for SUD providers
https://findtreatment.samhsa.gov/

SAMHSA: Buprenorphine Practitioner Locator
Allows you to search by state / zip code for providers of MAT
https://www.samhsa.gov/medication-assisted-treatment/practitioner-program-data/treatment-practitioner-locator

SAMHSA Webinar: Supporting recovery in acute care and emergency settings
The use of peer recovery coaches in the ED; logistics of such a program; results of this program in Rhode Island
https://www.samhsa.gov/sites/default/files/programs_campaigns/recovery_to_practice/supporting-recovery-in-acute-care-emergency-settings.pdf

The National Council for Behavioral Health
Peer Support Workers in Emergency Departments: Engaging Individuals Surviving Opioid Overdoses
https://www.thenationalcouncil.org/wp-content/uploads/2018/12/Peer-Support-Workers-in-EDs-Issue-Brief.pdf

INJURY PREVENTION CENTER
UNIVERSITY OF MICHIGAN

MPCA: Michigan Primary Care Association
Information for community primary care practices on how to provide MAT for their patients.
https://www.mpca.net/page/SUD

Capacitype: Recovery Resource Hub
Find your community on the map then switch to the list view to see contact information for local SUD providers
https://www.recoveryresourcehub.org/

Help.org
For patients; explains different types of rehab programs and treatment options to consider.
https://www.help.org/drug-and-alcohol-rehab-centers-in-michigan/

Many Communities in Michigan have their own websites:

> **CMHPSM: Community Mental Health Partnership of Southeast Michigan**
> https://www.cmhpsm.org/sudservices
>
> **Northern Michigan Regional Entity**
> https://www.drugfreenorthernmichigan.net/
> https://www.nmre.org/wp-content/uploads/2020/02/FY20-Provider-Directory-February-2020.pdf
>
> **NorthCare Network**
> http://www.northcarenetwork.org/accessing-services.html
>
> **Oakland County: Substance Use Resources**
> https://www.oakgov.com/health/information/Pages/Substance-Abuse.aspx
>
> **Ottawa County: Community Mental Health and Substance Use Treatment**
> https://www.miottawa.org/Health/CMH/services.htm
>
> **Southwest Michigan Behavioral Health**
> https://www.swmbh.org/providers/provider-directory/
>
> **West Michigan Community Mental Health**
> https://www.wmcmhs.org/our-services/substance-use-disorder-outpatient-treatment/

TELEHEALTH / TELE-MAT:
For rural communities and those communities without existing SUD providers, tele-MAT may be the only option for patients. Telemedicine is a relatively new development with growing evidence of effectiveness in delivering general medical care, behavioral health interventions, and substance use disorder treatment.

WorkIt Health *(speaking today)*
Workit Health is the only LARA-licensed teleMAT provider in the state of Michigan, with coverage through Medicaid, Medicare, and many regional insurance plans. Workit has partnered with NSF and NIDA to develop efficacious care addressing substance use disorders from prevention through medication assisted treatment.
https://www.workithealth.com/
Outcomes Data: https://hubs.ly/H0n8hjB0

RHIhub: Rural Health Information Hib

Tele-behavioral Health and Opioid Use Disorder

https://www.ruralhealthinfo.org/toolkits/telehealth/2/specific-populations/behavioral-health/opioids

HHS: US Department of Health and Human Services

Telemedicine and Prescribing Buprenorphine for the Treatment of Opioid Use Disorder

https://www.hhs.gov/opioids/sites/default/files/2018-09/hhs-telemedicine-hhs-statement-final-508compliant.pdf

Technology Assisted Care (TAC) for SUD

Technology to deliver some aspects of behavioral treatment directly to patients via interaction with a web-based program – sponsored by SAMHSA and HIDA

http://sudtech.org/

Stigma:

MDHHS: End the Stigma

Words matter materials; youtube videos

https://www.michigan.gov/opioids/0,9238,7-377-88148-512727--,00.html

AMA: End the Epidemic – Put an end to Stigma

https://www.end-opioid-epidemic.org/removing-stigma/

ATTC: Addiction Technology Transfer Center Network

A guide with practical information and tools to enhance effective stigma reduction efforts.

Long and with a lot of resources.

https://attcnetwork.org/sites/default/files/2019-04/Anti-Stigma%20Toolkit.pdf

Johns Hopkins Bloomberg American Health Initiative:

Guiding Principles for Addressing the Stigma on Opioid Addiction

     https://americanhealth.jhu.edu/article/guiding-principles-addressing-stigma-opioid-addiction

A Roadmap to Reduce Stigma on Opioid Addiction

     https://americanhealth.jhu.edu/article/roadmap-reduce-stigma-opioid-addiction

Recovery Research Institute

Does it Matter How We Talk About People with Substance Use Disorder?

http://www.massmed.org/Continuing-Education-and-Events/Conference-Proceeding-Archive/Opioid-Use-Disorder-and-MAT-Treatment---John-Kelly/

https://www.recoveryanswers.org/research-post/the-real-stigma-of-substance-use-disorders/

PCSS: Providers Clinical Support System

Webinar: Addiction, Stigma, and Discrimination: Implications for Treatment and Recovery

https://pcssnow.org/event/addiction-stigma-and-discrimination-implications-for-treatment-and-recovery/

Shatter Proof

Words matter materials

https://www.shatterproof.org/about-addiction/stigma/stigma-reducing-language

https://www.shatterproof.org/about-addiction/stigma

Overdose Lifeline / Choose Empathy
Videos and educational materials material
https://www.overdose-lifeline.org/stigma.html
https://chooseempathy.me/
https://www.overdose-lifeline.org/online-self-paced-courses.html

LIVES Challenge: Leveraging Impactful Videos to End Stigma
https://vimeo.com/153845422

The Unicorn Project: Recovery from opioid addiction is not a myth
https://unicornsarereal.org/category/stories/

Take Home Naloxone:

Please see the hand-out from the November Summit for a more comprehensive discussion and list of resources.

Michigan Standing Order Information Packet-Naloxone Prescription for Opioid
https://www.michigan.gov/documents/mdhhs/Standing_Order_571880_7.pdf

Take Action: excellent print resources for Naloxone upon discharge and training materials for staff
https://www.overdoseaction.org/

Get Naloxone Now: Save a Life
https://www.getnaloxonenow.org/#home

Prescribe to Prevent
www.prescribetoprevent.org

Harm Reduction Coalition
https://harmreduction.org/

General Resources on the Opioid Epidemic:

MDHHS: Opioid Resources
https://www.michigan.gov/opioids/
https://www.michigan.gov/mdhhs/0,5885,7-339-71550_2941_4871_79584---,00.html

MSMS: Michigan State Medical Society
https://www.msms.org/Resources/Quality-Patient-Safety/Reversing-the-Opioid-Epidemic

SAMHSA:
Wealth of resources an all topics related to SUD / OUD.
https://www.samhsa.gov/

CMS: Opioid Resources
https://www.cms.gov/About-CMS/Agency-Information/OMH/resource-center/hcps-and-researchers/Opioid-Resources-Page

NCCHO: National Association of County and City Health Officials
Opioid Overdose Epidemic Toolkit for Local Health Departments

INJURY PREVENTION CENTER
UNIVERSITY OF MICHIGAN

https://www.naccho.org/programs/community-health/injury-and-violence/opioid-epidemic/local-health-departments-and-the-opioid-epidemic-a-toolkit

American Hospital Association: Stem the Tide: Addressing the Opioid Epidemic
https://www.aha.org/system/files/content/17/opioid-toolkit.pdf

ATTC: Addiction Technology Transfer Center Network
Funded by SAMHSA; an extensive resource with education materials for all job classes in medicine; webinars; "in my own words" patient narratives, etc.
https://attcnetwork.org/centers/global-attc/taking-action-address-opioid-misuse

PCSS: Providers Clinical Support System
Training materials for providers who want to prescribe MAT
https://pcssnow.org/

University of Michigan affiliated resources:
    IPC: Injury Prevention Center
    Safer Opioid Prescribing Toolkit; MOOC for training of non-prescribers; Overdose Surveillance
        http://injurycenter.umich.edu/opioid-overdose/
    MOC: Michigan Opioid Collaborative
    Provides consultation to support MAT providers around the state; offer X-waiver training.
        https://medicine.umich.edu/dept/psychiatry/programs/michigan-opioid-collaborative-moc
    M-OPEN: Michigan Opioid Prescribing Engagement Network
    Comprehensive strategy to improve opioid prescribing practices in acute settings.
        https://michigan-open.org/

Additional References: not a comprehensive list

D'Onofrio G, O'Connor PG, Pantalon MV, et al. Emergency department-initiated buprenorphine/naloxone treatment for opioid dependence: a randomized clinical trial. *JAMA*. 2015; 313(16): 1636-440.

D'Onofrio G, Chawarski MC, O'Connor PG, et al. Emergency Department-Initiated Buprenorphine for Opioid Dependence with Continuation in Primary Care: Outcomes During and After Intervention. *Journal of General Internal Medicine*. 2017; 32(6): 660–666.

Edwards F, Wicelinski R, Gallagher N, et al. Treating Opioid Withdrawal with Buprenorphine in a Community Hospital Emergency Department: An Outreach Program. *Annals of Emergency Medicine*. 2020; 75(1): 49-56.

Eibl JK, Gauthier G, Pellegrini D, et al. The effectiveness of telemedicine-delivered opioid agonist therapy in a supervised clinical setting. *Drug and Alcohol Dependence*. 2017; 176: 133-138.

Fox L, Nelson LS. Emergency Department Initiation of Buprenorphine for Opioid Use Disorder: Current Status, and Future Potential. *CNS Drugs*. 2019; 33(12): 1147-1154.

Haffajee RL, Lin LA, Bohnert AS, et al. Characteristics of US counties with high opioid overdose mortality and low capacity to deliver medications for opioid use disorder. *JAMA Network Open*. 2019; 2(6): e196373-e196373.

Hu T, Snider-Adler M, Nijmeh L, et al. Buprenorphine/naloxone induction in a Canadian emergency department with rapid access to community-based addictions providers. *CJEM*. 2019; 21(4): 492-498.

Huskamp H, Busch AB, Souza J, et al. How is telemedicine being used in opioid and other substance use disorder treatment? *Health Affairs*. 2018; 37(12): 1940-1947.

Kaucher K, Caruso E, Sungar G, et al. Evaluation of an emergency department buprenorphine induction and medication-assisted treatment referral program. *American Journal of Emergency Medicine*. 2019 in press

Kawasaki S, Francis E, Mills S, et al. Multi-model implementation of evidence-based care in the treatment of opioid use disorder in Pennsylvania. *Journal of Substance Abuse Treatment*. 2019; 106: 58-64.

Lin LA, Casteel D, Shigekawa E, et al.. Telemedicine-delivered treatment interventions for substance use disorders: A systematic review. *Journal of Substance Abuse Treatment*. 2019; 101: 38-49.

Ma J, Bao YP, Wang RJ, et al. Effects of medication-assisted treatment on mortality among opioids users: a systematic review and meta-analysis. *Molecular Psychiatry*. 2019; 24: 1868-1883.

Martin A, Mitchell A, Wakeman S, et al. Emergency Department Treatment of Opioid Addiction: An Opportunity to Lead. *Academic Emergency Medicine*. 2018; 25: 601-604.

McGuire AB, Powell KG, Treitler PC, et al. Emergency department-based peer support for opioid use disorder: Emergent functions and forms. *Journal of Substance Abuse Treatment*. 2020; 108: 82-87.

Rubin R. Using Telemedicine to Treat Opioid Use Disorder in Rural Areas. *JAMA*. 2019; 322(11): 1029–1031.

Samuels EA, Baird J, Yang ES, et al. Adoption and Utilization of an Emergency Department Naloxone Distribution and Peer Recovery Coach Consultation Program. *Academic Emergency Medicine*. 2019; 26: 160–173.

Schwarz R, Zelenev A, Bruce RD, et al. Retention on buprenorphine treatment reduces emergency department utilization, but not hospitalization, among treatment-seeking patients with opioid dependence. *Journal of Substance Abuse Treatment*. 2012; 43(4): 451-457.

Tsai AC, Kiang MV, Barnett ML, et al. Stigma as a fundamental hindrance to the United States opioid overdose crisis response. *PLoS Medicine*. 2019; 16(11): e1002969.

Wakeman SE, Larochelle MR, Ameli O, et al. Comparative Effectiveness of Different Treatment Pathways for Opioid Use Disorder. *JAMA Network Open*. 2020; 3(2): e1920622.

Waye KM, Goyer J, Dettor D, et al. Implementing peer recovery services for overdose prevention in Rhode Island: An examination of two outreach-based approaches. *Addictive Behaviors*. 2019; 89: 85-91.

Weintraub E, Greenblatt AD, Chang J, et al. Expanding access to buprenorphine treatment in rural areas with the use of telemedicine. *The American Journal on Addictions.* 2018; 27(8): 612-617.

Zheng W, Nickasch M, Lander L, et al. Treatment Outcome Comparison Between Telepsychiatry and Face-to-face Buprenorphine Medication-assisted Treatment for Opioid Use Disorder: A 2-Year Retrospective Data Analysis. Journal of Addiction Medicine. 2017; 11(2): 138–144.