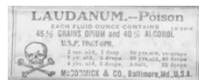


Pregnant Women Who Use Drugs: Stigma, Science and Society

Mishka Terplan MD MPH FACOG FASAM
Professor Departments Obstetrics and Gynecology and Psychiatry
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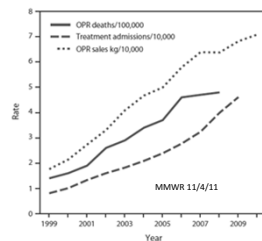
March Of Dimes, CA 2017







The current opioid epidemic: Iatrogenic

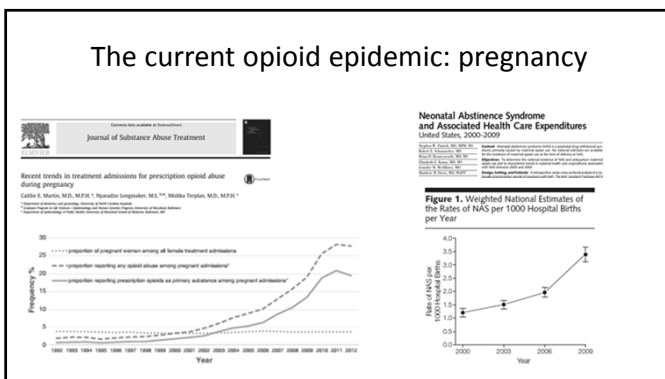


Gender and Prescription Drug Use and Misuse

Past Year	Male	Female
Prescription psychotherapeutic drugs	40.9%	47.8%
"Pain Relievers"	33.9%	38.8%
Tranquilizers	11.3%	17.9%
Sedatives	5.6%	8.2%
Stimulants	6.5%	6.3%

NSDUH 2015

- 2.1 million Past Year Initiates Opioid Misuse
 - 0.9 million males (0.7%)
 - 1.2 million females (0.9%)
- 3300 women per day

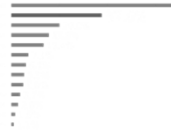


Opioids and Child Welfare Epidemic

Parental AOD as Reason for Removal in the United States, 1999-2014

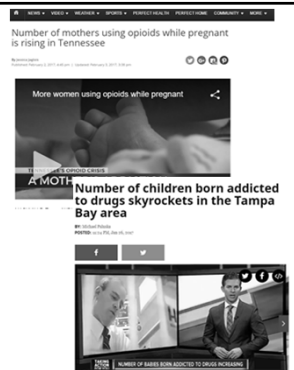


Percent of Children with Terminated Parental Rights by Reason for Removal in the US 2014



Source: AFCARS Data, 2014

Pregnancy and Substance Use Today







Crack Babies: The Worst Threat Is Mom Herself

By Douglas J. Besharov

LAST WEEK in this city, Greater Southeast Community Hospital released a 7-week-old baby to her homeless, drug-addicted mother even though the child was at severe risk of pulmonary arrest. The hospital's explanation: "Because [the mother] demanded that the baby be released."

The hospital provided the mother with an apnea monitor to warn her if the baby stopped breathing while asleep, and trained her in CPR. But on the very first night, the mother went out drinking and left the child at a friend's house—without the monitor. Within seven hours, the baby was dead. Like Doina Waters, the 6-year-old living in his mother's drug den, whose shocking story was reported in The Washington Post last week, this child was all but abandoned by the authorities.

Washington Post 1989

Stigma

- Pregnant women who use drugs endure a particular "stigma"
- Pregnant women are treated differently by the CJ system
- Stigma – applies to treatment (medication assisted treatment)
- More appropriate terms:
- Discrimination or Prejudice

State Policies on Substance Use during Pregnancy

Policy	Number of States
Substance Use Considered Child Abuse	23+DC
Substance Use Grounds for Civil Commitment	3
Mandatory Reporting	23+DC
Targeted Programs for Pregnant Women	19
Pregnant Women Given Priority Access	16+DC
Pregnant Women Protected from Discrimination	9

Guttmacher Institute Feb 1 2017

Punishing Pregnant Women: Not Best Practice

Maternal-Fetal Unit

A structurally and functionally interconnected metabolic unit shared by a mother and fetus through the placenta



COMMITTEE OPINION

Number 507 • July 2015 Obstetrics Committee Opinion Number 507, November 2015

Question or Issue: Should a pregnant woman be punished for substance use during pregnancy? The Committee on Practice Management and Professionalism of the American College of Obstetrics and Gynecology (ACOG) has reviewed the literature and the ethical issues surrounding this question.

Refusal of Medically Recommended Treatment During Pregnancy

KEY MESSAGE: A focus on the most vulnerable women in obstetrics, who are often pregnant without adequate resources or social support, is essential to improving outcomes. In such a context of vulnerability, the obstetrician's responsibility is to provide the best possible care for the woman and her fetus, while respecting her autonomy and the ethical principles of medicine. The Committee on Practice Management and Professionalism of the American College of Obstetrics and Gynecology (ACOG) has reviewed the literature and the ethical issues surrounding this question.

Maternal-Infant Dyad

"There is no such thing as a baby ... If you set out to describe a baby, you will find you are describing a baby and someone. A baby can not exist alone, but is essentially part of a relationship" (D.W. Winnicott 1966)



Punishing Pregnant Women: Not Best Practice

- Discriminatory in how applied
 - Although SUDs affect all, white women more likely to use in pregnancy, black women and poor women far more likely to be prosecuted.
- Not grounded in evidence
 - Harms of illicit substances exaggerated; effects of licit substances minimized
- Unintended consequences
 - Policies drive women from PNC, SUD treatment
 - PNC ameliorates adverse effects of substances in using women

What happens when women who use substances get pregnant?

Substance use by trimester		Not pregnant	Abstinence during pregnancy	Postpartum
Alcohol	First	54.0	92%	45.4
	Second			
	Third			
Cigarettes	First	24.0	47%	20.1
	Second			
	Third			
Illicit drugs	First	11.4	79%	8.7
	Second			
	Third			

NSDUH 2012/13 Past Month

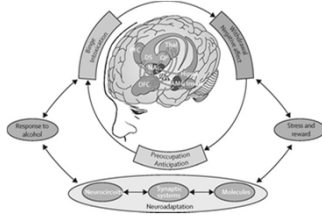
All pregnant women are motivated to maximize their health and that of their baby-to-be

- All women are aware of the risks associated with substance use
- All employ a range of strategies to reduce or change intake
 - Decrease or stop use
 - Switch drugs
 - Enter prenatal care
 - Enter SUD treatment

All pregnant women are motivated to maximize their health and that of their baby-to-be

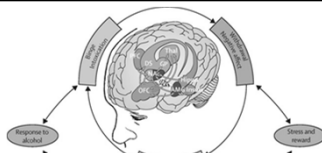
Those who can't quit or cut back – have a substance use disorder

Continued use in pregnancy is pathognomonic for addiction



—A primary, **chronic** disease of **brain reward, motivation, memory and related circuitry**. Dysfunction in these circuits leads to characteristic biological, psychological, social and spiritual manifestations. (ASAM)

— A chronic, relapsing disease characterized by compulsive drug seeking and use despite harmful consequences as well as neurochemical and molecular changes in the brain. (NIDA)



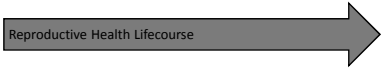
Addiction: Brain-centered disease
whose visible symptoms are behaviors

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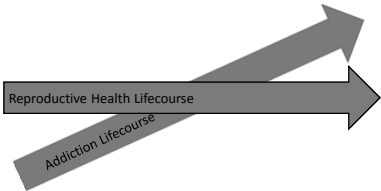
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Pregnant Women Who Use Drugs

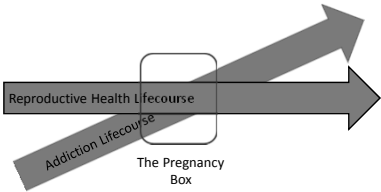
Pregnant Women Who Use Drugs



Pregnant Women Who Use Drugs



Pregnant Women Who Use Drugs



Women with SUD in pregnancy

- Mental Health
 - Two thirds co-occurring mental health disorders (Benningfield 2010)
 - Past 30 days: Mood disorder (50%), Anxiety (40%), PTSD (16%)
 - Childhood trauma: 50-90% physical or sexual abuse (Cormier 2000)
 - 60-80% past year intimate partner violence (Engstrom 2012, Tuten 2004)
 - Chronic pain worse in IPV survivors (Wuest 2008)
- Reproductive Health
 - Unplanned pregnancy: 80% (Heil 2012)
 - Low rates of contraception (Terplan 2015)
 - Higher rates of HIV

Women with SUD in Pregnancy

- Other substance use
 - High rates of smoking (>90%)
- Nutritional other medical needs
- Social functioning
 - Inadequate social supports
 - 67% their parents used drugs (Finnegan 1991)
 - Unpredictable parenting models
 - Children – childcare needs
- Stigma and Shame
- Prior poor experiences with providers
- Fear of CPS

- Pregnant women with SUD have unique set of needs across multiple domains – domains that affect both obstetric health and outcomes and addiction treatment
- Care needs to address those needs
- “Gold Standard” – Integration
 - Comprehensive co-located service delivery
 - Close collaboration between SUD and PNC provider

Treatment for Opioid Use Disorder in Pregnancy

- Standard of care: Medication Assisted Treatment plus behavioral counseling
 - Methadone or Buprenorphine
- Benefits
 - Stable intrauterine environment (no cyclic withdrawal)
 - Increased maternal weight gain
 - Increased newborn birth weight and gestational age
 - Increase PNC adherence
 - Decrease in (illicit) drug use - reduction of HIV/HCV acquisition and transmission
 - Decrease risk of overdose
 - Other supportive services

Principles of Treatment

- Empathy
 - Treating people with dignity and respect
- Adherence
 - People come back
 - Increase adherence by addressing needs/barriers:
 - Women/child friendly services
 - Transportation
 - Trauma informed care
 - Incentives

Pregnant Women: A Priority Population?

- “Because it is crucial that pregnant women engage in treatment for their addictions, OTPs should **give priority to admitting pregnant patients at any point during pregnancy** and providing them with all necessary care, including adequate dosing strategies as well as referrals for prenatal and follow-up postpartum services.” *Federal Guidelines for Opioid Treatment Programs, 2015*
- Pregnant women – don’t need to meet DSM criteria for use disorder to receive MAT (TIP 43)

Many pregnant women with opioid use disorder receive little or no care



- 20-80% of pregnant women with opioid use disorder are engaged in care
- Comprehensive treatment is rare and unavailable to most women
- Political climate – specifically Substance Exposed Newborn Reporting – discourages engagement in care

- NSDUH 2002-2006
- Overall <20% of women who need treatment received it
- Among women with recent drug use, pregnant women are more likely to need treatment (OR 1.92 [1.46, 2.52])
- But no more likely to receive it (OR 0.90 [0.54, 1.51])

PREGNANT AND NON-PREGNANT WOMEN WITH SUBSTANCE USE DISORDERS: THE GAP BETWEEN TREATMENT NEED AND RECEIPT

Mishka Torplan, MD, MPH¹, Erica J. McNamara, MPH¹, Margaret S. Chisolm, MD²
Journal of Addictive Diseases, 31:342-349, 2012

Demographic Characteristics	Crude odds ratio (95% CI)	Adjusted odds ratio (95% CI) ^a
Pregnant	1.15 (0.76, 1.80)	0.90 (0.54, 1.51)
Ethnicity		
White	Ref	Ref
Black	1.27 (0.63, 2.52)	0.87 (0.39, 1.98)
Hispanic	1.27 (0.63, 2.52)	0.86 (0.39, 1.97)
Other	0.67 (0.26, 1.73)	0.59 (0.21, 1.60)
Age (y)		
<17	Ref	Ref
17-24	0.68 (0.45, 0.73)	0.69 (0.44, 1.08)
25-34	0.90 (0.45, 1.23)	0.89 (0.39, 1.23)
35-44	0.85 (0.41, 1.58)	1.02 (0.39, 1.71)
Education		
High school diploma or equivalent	0.54 (0.34, 0.85)	0.52 (0.30, 0.85)
Postsecondary certificate	1.84 (1.46, 2.33)	1.59 (0.99, 2.52)
Bachelor's	0.47 (0.35, 0.63)	0.58 (0.40, 0.76)
Insurance		
Private	Ref	Ref
Public	2.17 (1.42, 3.40)	1.52 (0.87, 2.70)
Medicaid	1.81 (1.12, 2.90)	1.17 (0.69, 2.02)
Medicare	0.67 (0.43, 0.99)	0.63 (0.40, 1.00)

^aAdjusted model controls for all variables in the table.

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There is no evidence that pregnant women receive preferential access to treatment

The treatment gap is greater for pregnant women

Women-Centered Drug Treatment Services and Need in the United States, 2002–2009

| Mistake Terplan, MD, MPH, Nereida Longshore, MS, and Lindsay Aspell, MD

- GAO (2015): “the program gap most frequently cited was the lack of available treatment programs for pregnant women...”
- Overall provision of women-centered services in drug treatment facilities declined 2002-2009 (43%-40%, $p<0.001$)
- As did services specific for pregnant or postpartum women (19% in 2002 to 13% in 2009)

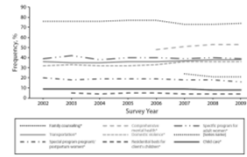


FIGURE 2. Percentage of substance use disorder treatment facilities offering specific women-centered services: National Survey of Substance Abuse Treatment Services (NSATS), 2002–2009, United States.

How do we narrow the treatment gap for pregnant women who use drugs?

How do we narrow the treatment gap for pregnant women who use drugs?

- 1) Assessment: Universal assessment for substance use, misuse and addiction

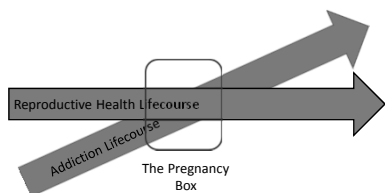
How do we narrow the treatment gap for pregnant women who use drugs?

- 2) Increase treatment capacity
 - Buprenorphine waived physicians
 - Under CARA (Comprehensive And Recovery Act, 2016) buprenorphine prescribing authority expanded to NPs and PAs – but not to CNMs!

How do we narrow the treatment gap for pregnant women who use drugs?

- 3) Need comprehensive lifecourse approach
 - Public Health Programming beyond the “Pregnancy Box”

Pregnant Women Who Use Drugs



Postpartum: The 4th Trimester

- Critical Period
 - Newborn care, breastfeeding, maternal/infant bonding
 - Mood changes, sleep disturbances, physiologic changes
 - Cultural norms, “the ideal mother” in conflict with what it is actually like to have a newborn
- Neglected Period
 - Care shifts away from frequent contact with PNC provider – to pediatrician
 - Care less “medical” (for mom) and shifts to other agencies (WIC)
 - Insurance and welfare realignment
 - SUD treatment provider(s) – care is constant
- Gaps in care – addressed through public health interventions – home visiting etc

Original Research

Higher Risk of Homicide Among Pregnant and Postpartum Females Aged 10–29 Years in Illinois, 2002–2011

Aligail R. Kuch, *ms*, Deborah Rosenberg, *ms*, and Susan E. Golts, *ms*, for the Illinois Department of Public Health Maternal Mortality Review Committee Working Group

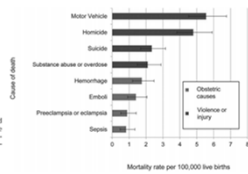
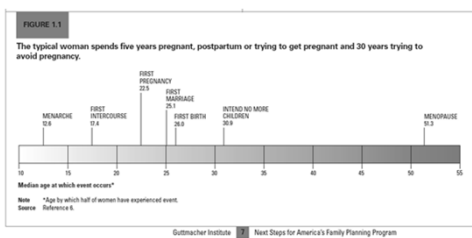


Fig. 1. Ten-year pregnancy-associated mortality rates for deaths by violence and injury compared with the leading obstetric causes in Illinois, 2002–2011.
Kuch. Pregnancy-Associated Homicide in Illinois. Obstet Gynecol 2016.

Pregnancy Planning



Thank You

- Mishka.Terplan@vcuhealth.org
