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# **CASE PRESENTATION #1**

18yo G1P0 @ 16w0d presents to the ED after a witnessed seizure at home

- -- history of known seizure disorder
- -- continued lamotrigine at her pre-pregnancy dose during the pregnancy

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# **CASE PRESENTATION #2**

October 2021

30yo G2P1001 @ 28 weeks gestation admitted for respiratory distress

- -- COVID test positive
- -- Started on O2 via high flow nasal cannula with rapidly increasing O2 requirement
  - -- transferred to ICU for further care



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### **CASE PRESENTATION #3**

40yo G4P2022 on postpartum day #1 s/p SVD with shortness of breath and severe hypertension

- -- pregnancy c/b chronic HTN, on lisinopril pre-preg and no antihypertensives during pregnancy
  - -- CXR shows pulmonary edema
  - -- BPs 180s-200s/100s-110s
  - -- transferred to the ICU
  - -- she is breastfeeding and strongly desires to continue nursing x 1 year



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# **CASE PRESENTATION #4**

21yo G2P1011 4 weeks postpartum presents to the ED with suicidal ideation

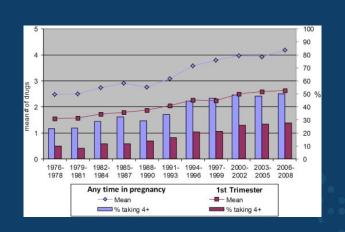
- -- History of major depressive disorder, discontinued fluoxetine when she found out she was pregnant
- -- Breastfeeding baby without issue

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# USE OF PRESCRIPTION AND OTC MEDICATION IS WIDESPREAD DURING PREGNANCY ...

- -- 84.5% of women report any medication use during pregnancy
- -- Number of medications used continues to increase average of 4.2 medications per pregnancy



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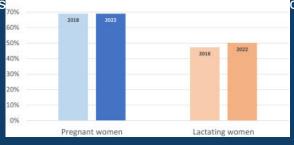
Sitka C, "Drugs in Pregnancy: Optimizing Care of our Pregnant Patients" Obstet and Gynecol Clinics of N America 2023 50(1): xix-xx.

Mitchell et al "Medication Use During Pregnancy, with Particular Focus on Prescription Drugs 1976-2008" Am J Obstet Gynecol 2011 205(1):5.1e1.8

# ... BUT MEDICATION SAFETY DATA IS LIMITED AND CONFLICTING

2018: 68% of NIH-funded phase 3 and phase 4 clinical trials excluded pregnant women, 47% excluded breastfeeding women

PRGLAC committee recommendations in 2018 – recommend many changes to research regulations ctating women



Thiele L, Spong C, "Inclusion of Pregnant and Lactating People in Clinical Research: Lessons Learned and Opportunities" Obstet and Gynecol Clinics of N America 2023 50(1): 17-25.

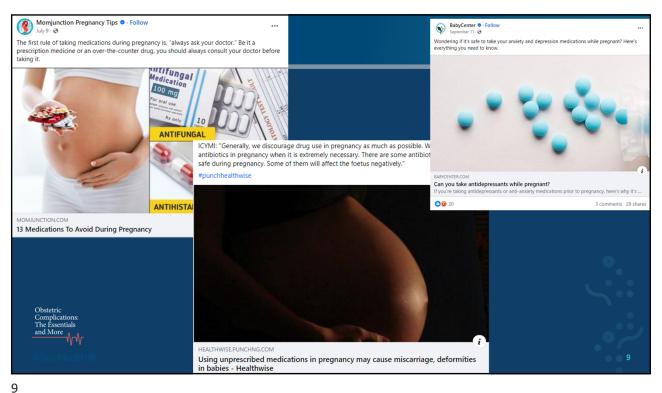
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# ... BUT MEDICATION SAFETY DATA IS LIMITED AND CONFLICTING

The US Food and Drug Administration (FDA) has recognized the harm of excluding pregnant patients from research, acknowledging that "the frequent lack of information based on clinical data often leaves the healthcare provider and patient reluctant to treat the underlying condition, which in some cases may result in more harm to the woman and the fetus than if she had been treated."

Obstetric Complications: The Essentials and More

Research Committee, SMFM "Society for Maternal Fetal Medicine Special Statement: COVID-19 Research in Pregnancy: Progress and Potential" Am J Obstet Gynecol 2021 225(6); B19-31.



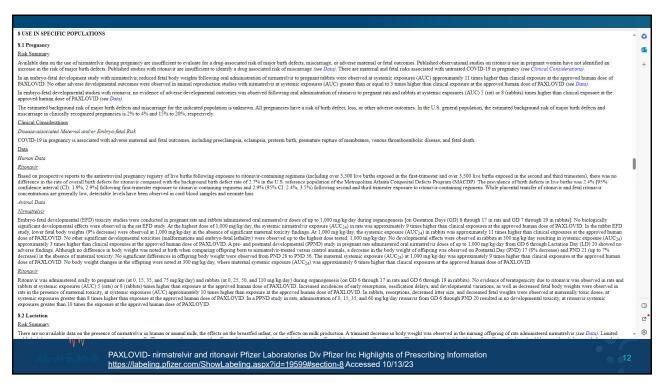
# FDA PREGNANCY AND LACTATION LABELING RULE

2015 - FDA removes the former A,B,C,D,X category scheme in favor of the Pregnancy and Lactation Labeling Rule

-- information includes risk summaries and available human and animal data for use in pregnant, breastfeeding and females and males of reproductive potential

Thiele L, Spong C, "Inclusion of Pregnant and Lactating People in Clinical Research: Lessons Learned and Opportunities" Obstet and Gynecol 10 Clinics of N America 2023 50(1): 17-25.

	Rule in Phase-Out	New PLLR
ı	Pregnancy risk letter categories (A, B, C, D, X) assigned.	Pregnancy risk letter categories eliminated.
	Section 8.1 Pregnancy Section 8.2 Labor and Delivery	Combined to form one section: 8.1 Pregnancy
		Pregnancy Exposure Registry     Risk Summary     Clinical Considerations     Data
	Section 8.3 Nursing Mothers	Becomes Section 8.2 Lactation     Risk Summary     Clinical Considerations     Data
	Requirement to update the label as information becomes outdated	Requirement to update the label as information becomes outdated  New section added:  8.3 Females and Males of Reproductive Potential*
	-	Pregnancy Testing     Contraception     Infertility



# \$2. Lastation Risk Sammary There are no available data on the presence of numeratory in human or animal milk, the effects on the beautiful indicat, or the effects on milk production. A transient decrease in body weight was observed in the unming offigings of ran administered immarrity the Build Section of the study of the control of t