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### Timely screening of toddlers for perinatal Hepatitis C transmission

Leah F. Nelson

Sherry Weitzen

Sameul Baxley

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# A Disappearing Diagnosis

the tracking problem of perinatal  
Hepatitis C exposure

Leah F. Nelson, MD MS

Addiction Medicine Fellow

UNM Family and Community Medicine



# Disclosures and Objectives

**Nothing to disclose**

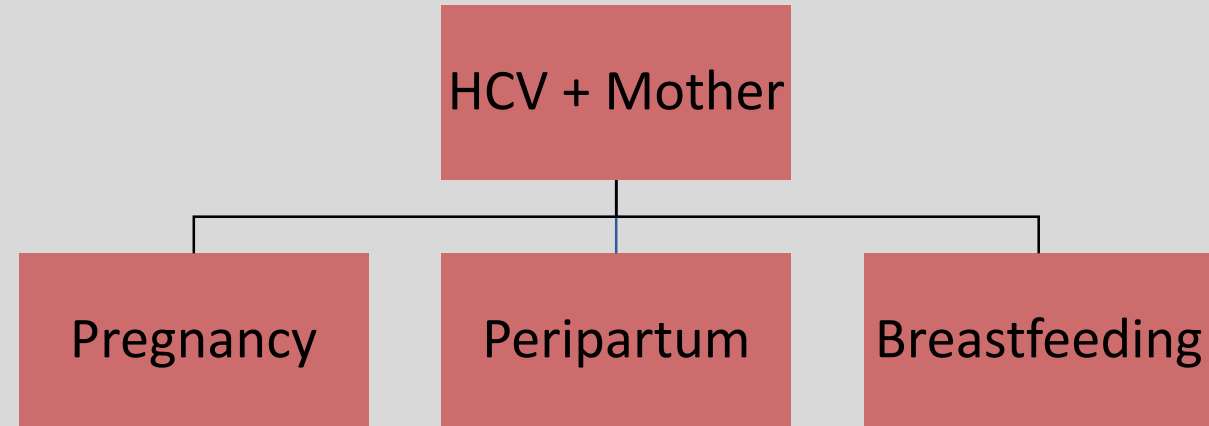
## **Objectives**

1. Review basics of perinatal hepatitis C
2. Understand the challenges of delayed screening for vertical transmission
3. Provide an example of a multi-faceted approach to improve screening for children with HCV exposure

# An Introduction to Perinatal Hepatitis C

## Quick Facts

- HCV is associated with IV drug use
- Increasing with opioid epidemic
- 5-10% vertical transmission
- Early onset liver fibrosis, cirrhosis, HCC



# Problem

**Guidelines:** screen by antibody testing at 18 months

**Reality:** the diagnosis is inconsistently carried forward after birth. Children with documented exposure to HCV are not being screened.

**Baby with HCV exposure**

**Exposure Documented**

**Track diagnosis**

**Retain in Care**

**Test HCV at 18 mo**

+ test?

Confirmation with PCR, functional monitoring and HCV treatment

# QI Project Goals:

**Baby with  
HCV exposure**

**Exposure Documented**

**Track diagnosis**

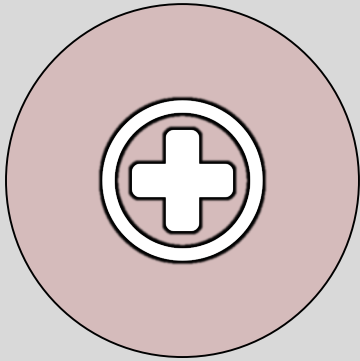
**Retain in Care**

**Test HCV at 18 mo**

**1. Increase Problem List utilization by newborn providers**

**2. Create an automated reminder for screening**

# Methods:



Add Health  
Maintenance Item



Education/Awareness



Data

# Results: Health Maintenance Item Created

**Test, Code 2 Years**      Age: 2 years      Loc: P Ped Spec Care (PSUP); 6120; 13      All  
DOB: 5/2/2017      Fin#: 262402076      PCI  
MRN: 86302101      Sex: Female      Inpatient [05/07/2018 14:24 - <No - Discharge date>]      Pt  
IC Hc: None      Preferred Language: Unavailable      My

Health Maintenance

**Pending Expectations** + Add      **Present - July 2020**

Family History Required	MEDIUM	Due 7/30/2019	Q 1 yr(s)	Family History Performed Elsewhere	Family History Canceled	Family History Form		
Hepatitis C Screening- Perinatal Exposure	MEDIUM	Due 7/30/2019	One-time only	Completed elsewhere	Testing Declined	Defer to later date		
Social History Required	MEDIUM	Due 7/30/2019	Q 1 yr(s)	Social History Performed Elsewhere	Social History Canceled	Social History Form	Student Health Questionnaire Form	
Influenza Vaccine	HIGH	Not Due Until 10/1/2019	Seasonal	Influenza Vaccination Administered Elsewhere	Cancel Permanently	Postponed	Refused	Influenza Virus Vaccine Nasal Spra

**Recently Satisfied Expectations**      **July 1999 - Present**

Expectation	Status	Satisfy Type	Administration Date	Satisfy Reason	Priority	Last Satisfie
There are no items to show.						



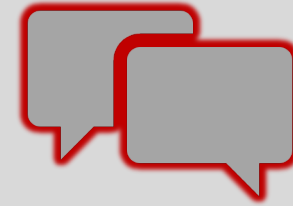
# Results: Raising Awareness



## Who?

Medical Directors

- Inpatient &
- Outpatient
- Providers



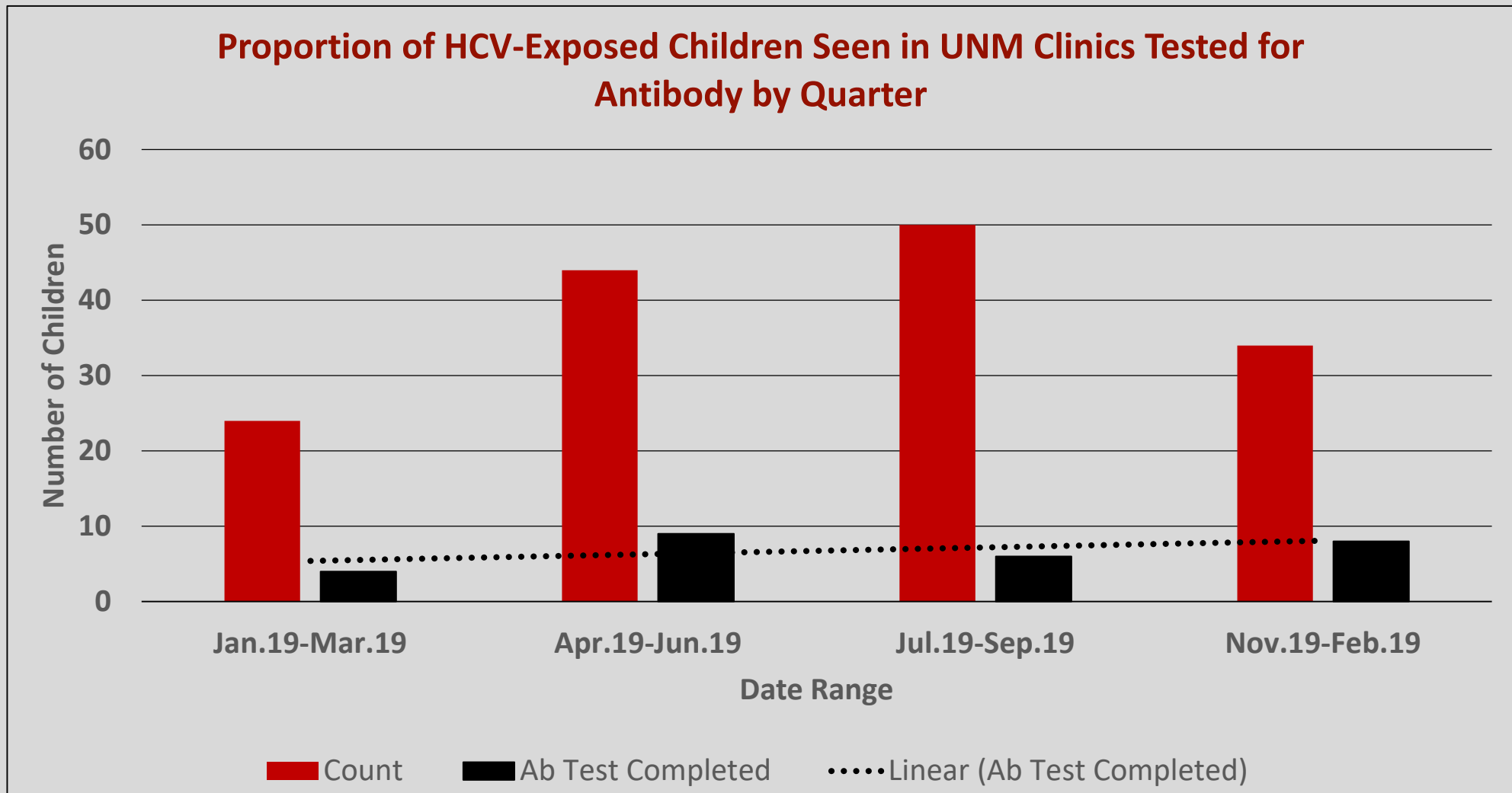
## What?

Meetings

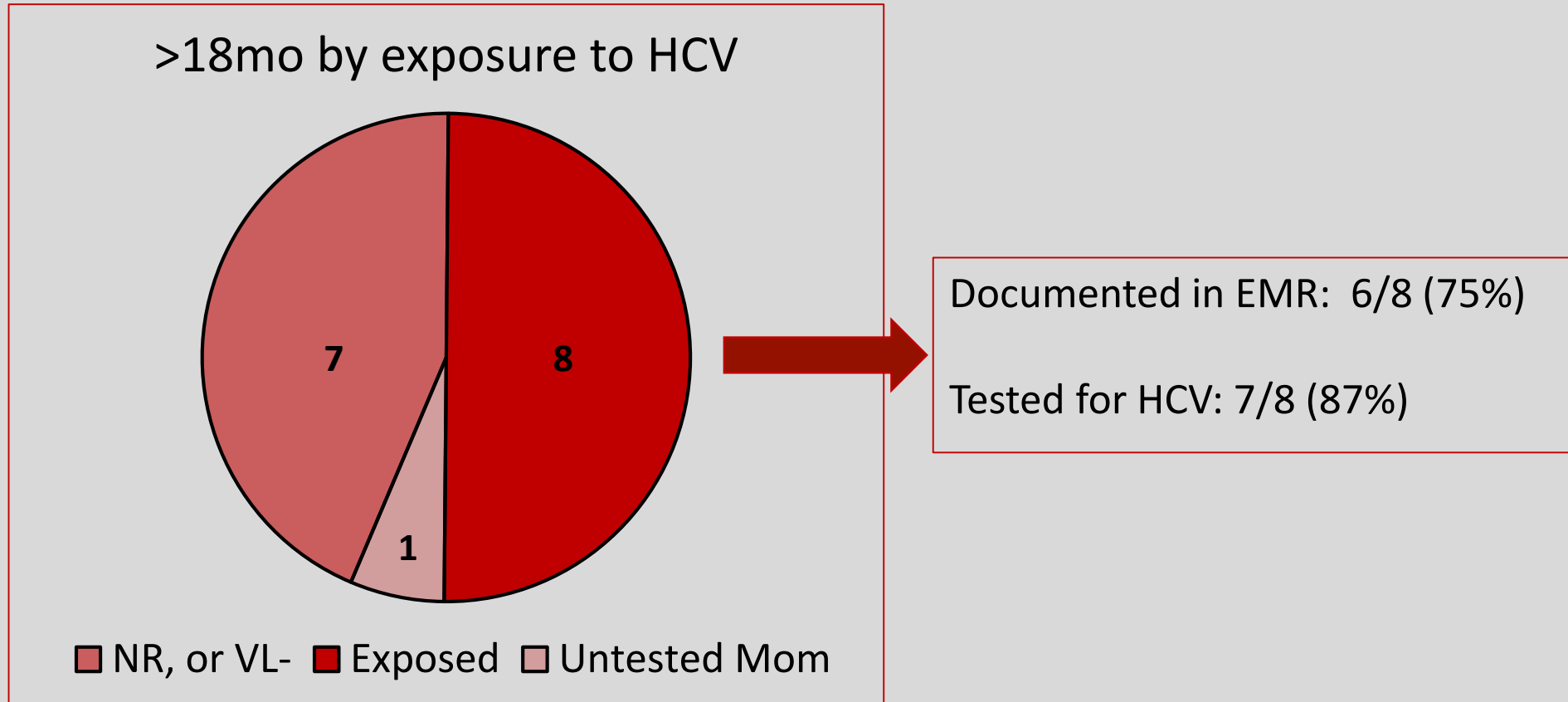
Email reminders

Fliers for workrooms

# Results: Baseline Data



# Results: Recent FOCUS Data



# Conclusions

## 1. Improving Problem List Utilization

- Ongoing effort
- Templates are a barrier
- Success in some clinics

## 2. Health Maintenance Tab

- New item is active
- Hoping that this will help provide reminders
- Dependent on Problem List accuracy

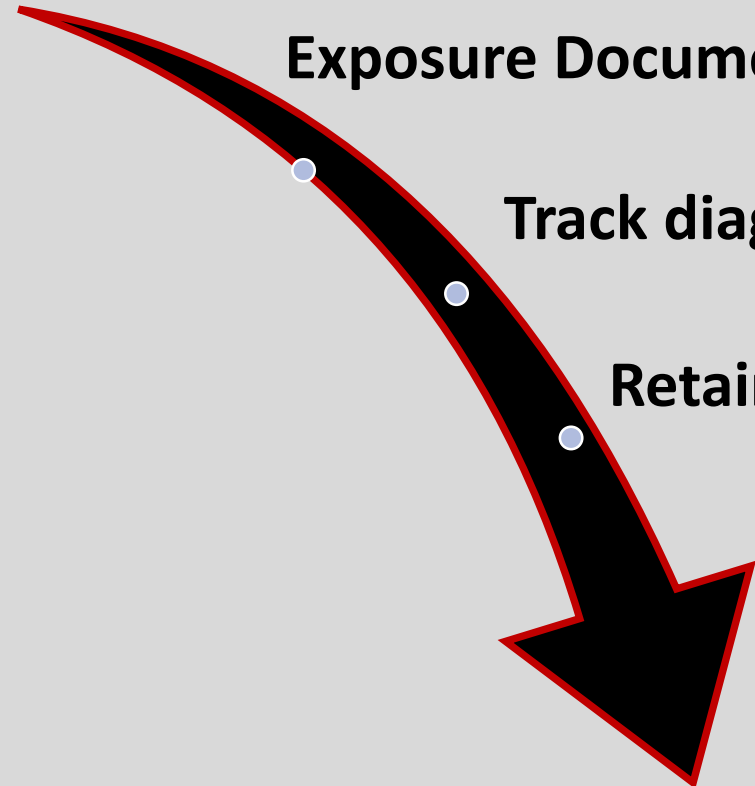
**Baby with  
HCV exposure**

**Exposure Documented**

**Track diagnosis**

**Retain in Care**

**Test HCV at 18 mo**



# Thank You!

**Leah F. Nelson, MD MS**  
**Addiction Medicine Fellow**  
**UNM Family and Community Medicine**

**[lfnelson@salud.unm.edu](mailto:lfnelson@salud.unm.edu)**



# References

Bell R, Wolfe I, Cox D, Thakrar K, Lucas L, Craig A. Hepatitis C Screening in Mothers and Infants Exposed to Opioids. *Hosp Pediatr*. 2019 Aug;9(8):639-642.

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