A Disappearing Diagnosis

the tracking problem of perinatal Hepatitis C exposure

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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

Confirmation with PCR, functional monitoring, and HCV treatment + test?
QI Project Goals:

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

<table>
<thead>
<tr>
<th>Pending Expectations</th>
<th>Present - July 2020</th>
</tr>
</thead>
<tbody>
<tr>
<td>Family History Required MEDIUM Due 7/30/2019</td>
<td>Family History Form</td>
</tr>
<tr>
<td>Family History Performed Elsewhere</td>
<td>Family History Canceled</td>
</tr>
<tr>
<td>Family History Form</td>
<td></td>
</tr>
<tr>
<td>Hepatitis C Screening - Perinatal Exposure MEDIUM Due 7/30/2019</td>
<td>One-time only</td>
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<tr>
<td>Completed elsewhere</td>
<td>Testing Declined</td>
</tr>
<tr>
<td>Defer to later date</td>
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</tr>
<tr>
<td>Social History Required MEDIUM Due 7/30/2019</td>
<td>Social History Form</td>
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<tr>
<td>Social History Performed Elsewhere</td>
<td>Social History Canceled</td>
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<tr>
<td>Social History Form</td>
<td>Student Health Questionnaire Form</td>
</tr>
<tr>
<td>Influenza Vaccine HIGH Not Due Until 10/1/2019</td>
<td>Seasonal</td>
</tr>
<tr>
<td>Influenza Vaccination Administered Elsewhere</td>
<td>Cancel Permanently</td>
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<tr>
<td>Postponed</td>
<td></td>
</tr>
<tr>
<td>Refused</td>
<td></td>
</tr>
<tr>
<td>Influenza Virus Vaccine Nasal Spray</td>
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</table>

Recently Satisfied Expectations

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<th>Expectation</th>
<th>Status</th>
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<th>Administration Date</th>
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<tbody>
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</table>

July 1999 - Present

<table>
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<tr>
<th>Status</th>
<th>Priority</th>
<th>Last Satisfied</th>
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<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

Proportion of HCV-Exposed Children Seen in UNM Clinics Tested for Antibody by Quarter

<table>
<thead>
<tr>
<th>Date Range</th>
<th>Count</th>
<th>Ab Test Completed</th>
<th>Linear (Ab Test Completed)</th>
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<tbody>
<tr>
<td>Jan.19-Mar.19</td>
<td>20</td>
<td>5</td>
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</tr>
<tr>
<td>Apr.19-Jun.19</td>
<td>40</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>Jul.19-Sep.19</td>
<td>50</td>
<td>15</td>
<td></td>
</tr>
<tr>
<td>Nov.19-Feb.19</td>
<td>30</td>
<td>10</td>
<td></td>
</tr>
</tbody>
</table>
Results: Recent FOCUS Data

>18mo by exposure to HCV

- NR, or VL-
- Exposed
- Untested Mom

Documented in EMR: 6/8 (75%)
Tested for HCV: 7/8 (87%)
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
Thank You!

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References

