Overview of Perinatal Hepatitis C Program in the State of Arizona

June 26, 2024

Arlis Jenkins & April Rideout
Arizona Department of Health Services
Health & Wellness for All Arizonans!

To promote, protect, and improve the health and wellness of individuals and communities in Arizona.

Our team is committed to providing up-to-date information and resources to keep Arizonans safe and healthy.
Meet the...

Hepatitis C Team!

Back row, left to right
- Dr. Fahad Akram, HCV Senior Epi
- Priscilla Hernandez, HCV Data Entry Specialist
- Vera Bowlby, HCV Communicable Disease Investigator
- Arlis Jenkins, HCV Epi Program Manager

Front row, left to right
- Dr. Whitney Mgbara, CSTE Epi Fellow
- April Rideout, HCV Perinatal Epi
- Saul Holguin-De La Cruz, HCV Patient Navigator

Not Pictured
- Lisa Najarian, HCV Perinatal Intern
Hepatitis C
By the Numbers

AZ Hepatitis C Reports (2014 - 2022)

County Rate Averages (2018 - 2022)
AZ Hep C SETNET Implementation Goals

In 2021, hepatitis C case investigations had not been in place since 2008 and there was no set database to manage reports. This led to two goals:

1. Understand Perinatal Hep C and Programming Options.

2. Develop a person-based hep C database.
Perinatal Hep C Program

Initial NASTAD TA
Meetings led to follow up calls with several other states:

- Tennessee
- Philadelphia, PA & Alleghany County
- Michigan
- Massachusetts
The Medical Electronic Disease Surveillance Intelligence System (MEDSIS) is a person-based, secure and web-based system.

- Biweekly meetings helped facilitate discussions.
- Conversations with other ADHS teams helped explore further MEDSIS capabilities and usage.
- Crossmatching was complete with MatchPro.
Assessing the Burden of Perinatal Hepatitis C in AZ

HCV Testing Data (Jan 2014-Dec 2020) 73,910 reports

Birth Records (Jan 2018-Dec 2020) 241,710 births

Crossmatch
Birthing parent:
- First name
- Middle name
- Last name
- DOB

Results 1,345 birthing parent-infant pairs
SETNET Eligibility Criteria

Pregnant persons who are HCV RNA+ during pregnancy or one year prior to pregnancy without evidence of treatment or clearance.

Results: 1,345 birthing parent-infant pairs

SET-NET Eligibility Criteria

Final HCV Mother-Infant Pair Cohort
292 birthing parent-infant pairs
Demographics for perinatal Hep C exposure in AZ (2018-2020)

There are 292 infants in our 2018-2020 cohort identified through linkage to birthing parent’s confirmatory HCV testing and birth records.

Birthing Parent Demographics (n = 279)

Race/Ethnicity Breakdown: 79% White Non-Hispanic

Average Age at Delivery of Infant: 30 years

*Data for county is suppressed based on suppression criteria to protect privacy and confidentiality.
Number of infants exposed to Hep C tested at appropriate and inappropriate times

76% of infants tested for antibodies and 43% of infants tested for RNA were tested at inappropriate times.
Challenges

Figuring out who the pediatrician are for infants
Learning to crossmatch data with different sources
Building processes for requesting records and performing abstractions
Looking Ahead

CityMatCH Abstract
KAP Survey & stakeholder meetings
Administrative Code Changes (pending)
Process Improvement (EHR access, HIE extracts)

Education Material Development and Dissemination
OBGYN/Provider for Birthing Parent Materials
Pediatric Provider for Infant and Children Materials
Responding to Needs of Community
Want to get in touch with the Hepatitis C Team?

General Inbox: hepc@azdhs.gov

Hep Free AZ: hepfreeaz@azdhs.gov