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Mining the Texas Birth Registry for Perinatal Hepatitis B Case Information

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Peri Hep B Birth Match Overview



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- The Goal
- The Process
- The Numbers
- Future Enhancements
- Your Feedback



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The Goal:

Enroll All Texas Hepatitis B Positive Pregnancies in PHBPP





The Goal

CDC Estimated and PHBPP Enrolled Cases



- Each icon represents 100 HepB Pregnancies
- CDC Estimate for Texas = 1,194
- Average PHBPP enrollment = 650

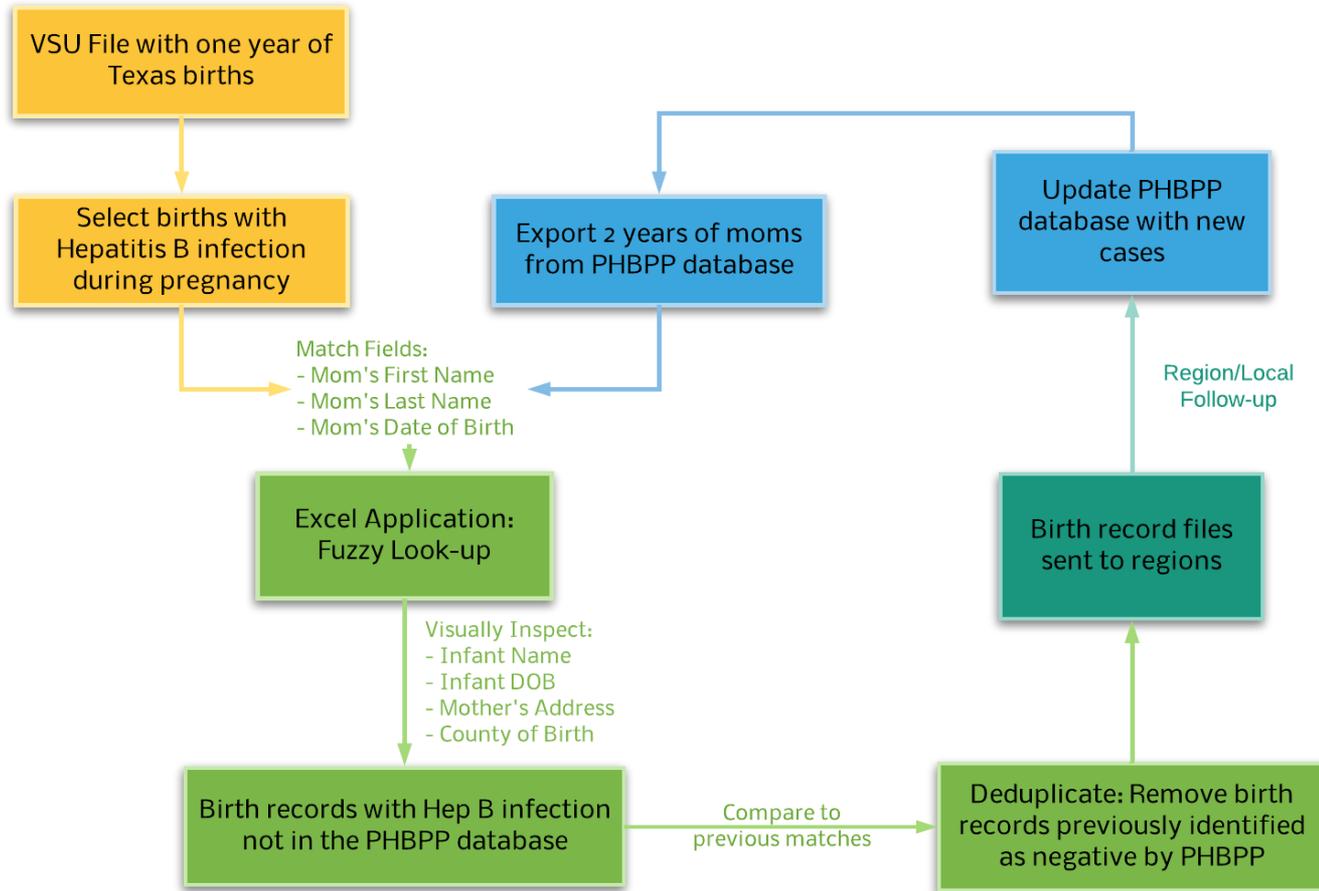
PHBPP Match Process



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The Process

Using outside data source to find cases

Pre-Match: Data Collection

Step 1: Match process

Step 2: Field Prep



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Texas Vital Statistics Process

Birth Registry



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VSU Medical Data Worksheet

VS-109.2 (09/11)

Medical Data Worksheet for Child's Birth Certificate

This form to be completed by hospital staff. This data will be used to populate the medical data portion of the birth certificate for the newborn. The medical data is required to be reported within five days of the birth. [HSC §192.003]

PATIENT REFERENCE:

MOTHER MR# _____ NEWBORN MR# _____
 MOTHER'S NAME _____ NEWBORN NAME _____
 MEDICAID# _____ DOB _____
 DELIVERING DR _____ DATE AOP SENT _____
 MOTHER TRANSFERRED _____ SOURCE OF PAYMENT FOR DELIVERY _____
 Born at Facility Born En Route Foundling Home Birth

Prenatal Care Yes No Unknown
 Date of First Visit: ____/____/____
 Date of Last Visit: ____/____/____
 Total Number of Prenatal Visits for this Pregnancy: ____
 Date Last Normal Meneses Began: ____/____/____

Source of Prenatal Care (check all that apply)
 None Midwife
 Hospital Clinic Other, Specify _____
 Public Health Clinic Unknown
 Private Physician

Pregnancy History
 Live births now living (Do not include this birth. For multiple deliveries, do not include the 1st born in the set if completing this worksheet for that only. If none enter '0').
 Live births now dead (Do not include this birth. For multiple deliveries, do not include the 1st born in the set if completing this worksheet for that only. If none enter '0').
 Date of last live birth: MM YYYY
 Number of other pregnancy outcomes (include fetal losses of any gestational age. If this was a preterm delivery, include all fetal losses delivered before this infant in the pregnancy. If none enter '0').
 Date of last other pregnancy outcome: MM YYYY

Risk Factors in this Pregnancy (check all that apply)
Diabetes
 Pregnancy (diagnosed prior to this pregnancy)
 Gestational (diagnosed in this pregnancy)
Hypertension
 Pregnancy (chronic)
 Gestational (PIH, preeclampsia)
 Eclampsia
 Previous preterm birth
 Other previous poor pregnancy outcome (includes perinatal death, small-for-gestational age/low birth weight/growth restricted born)
 Pregnancy resulted from infertility treatment
 Fertility-enhancing drugs, artificial insemination or intrauterine insemination
 Assisted reproductive technology
 Mother had a previous cesarean delivery (if yes, low parity: _____)
 Antiretrovirals administered during pregnancy or at delivery
 None of the above

Infections Present and/or Treated During Pregnancy (check all that apply)
 Gonorrhea Hepatitis B
 Syphilis Hepatitis C
 Chlamydia None of the above

HIV Test
 HIV test done Prenatally Yes No Unknown
 (check all that apply)
 First Trimester Third Trimester
 Infant tested for HIV at birth: Yes No Unknown

Infections Present and/or Treated During Pregnancy (check all that apply)

Gonorrhea Hepatitis B

Syphilis Hepatitis C

Chlamydia None of the above



MOM MED REC: ALL UNRESOLVED

Help For This Field Is Not Available.

Prenatal Care

Prenatal Care?

Date of First Visit:

Date of Last Visit:

Total Number of Prenatal Visits For This Pregnancy:

Date Last Normal Menses Began:

Infections Present and/or Treated During this Pregnancy (Check All That Apply)

01. Gonorrhea

02. Syphilis

03. Chlamydia

04. Hepatitis B

05. Hepatitis C

00. None of the above

Pregnancy History

Live Births Now Living:

Live Births Now Dead:

Number of Other Pregnancy Outcomes:

Date of Last Live Birth:

Date of Last Other Pregnancy Outcome:

HIV Test

HIV Test Done Prenatally:

HIV Test Done At Delivery:



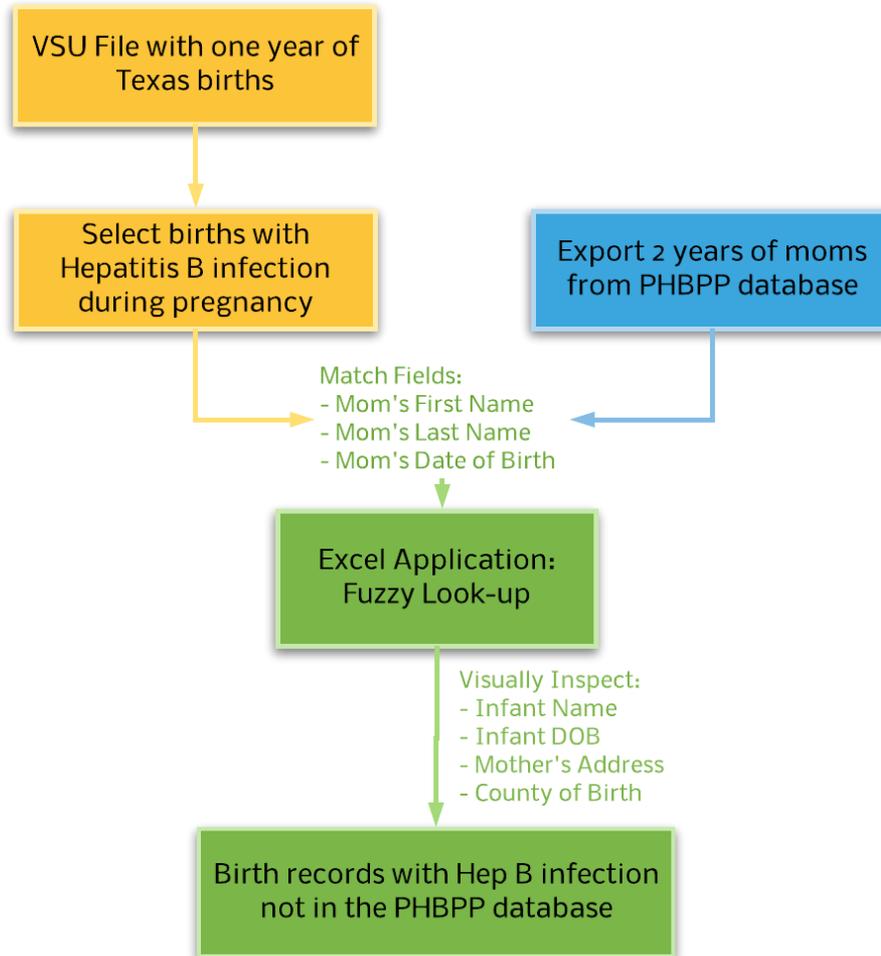
PHBPP Match Process



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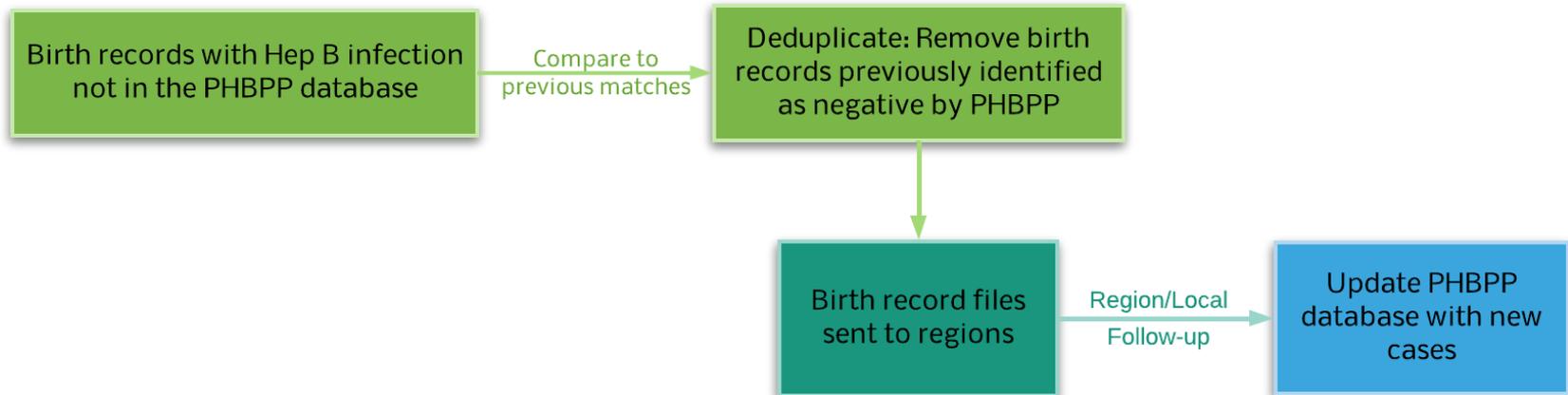


PHBPP Process: Identifying Cases



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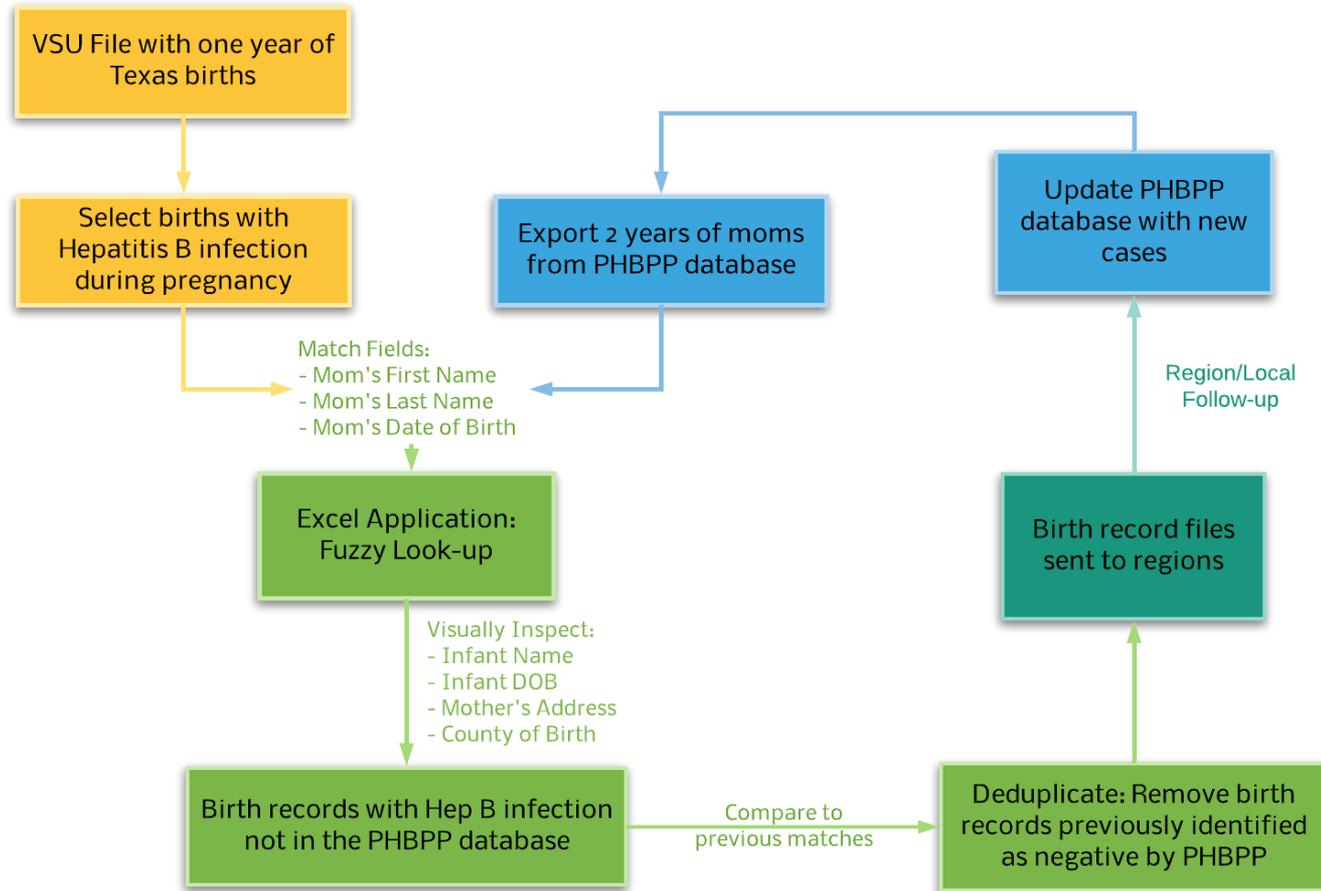
PHBPP Match Process



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The Numbers

Does the VSU match get the Program closer to its goal?

- Records requiring follow up
- Amount of cases attributable to the VSU match
 - What amount makes the match a worthy effort?
- Process evaluation: identifying areas for improvement



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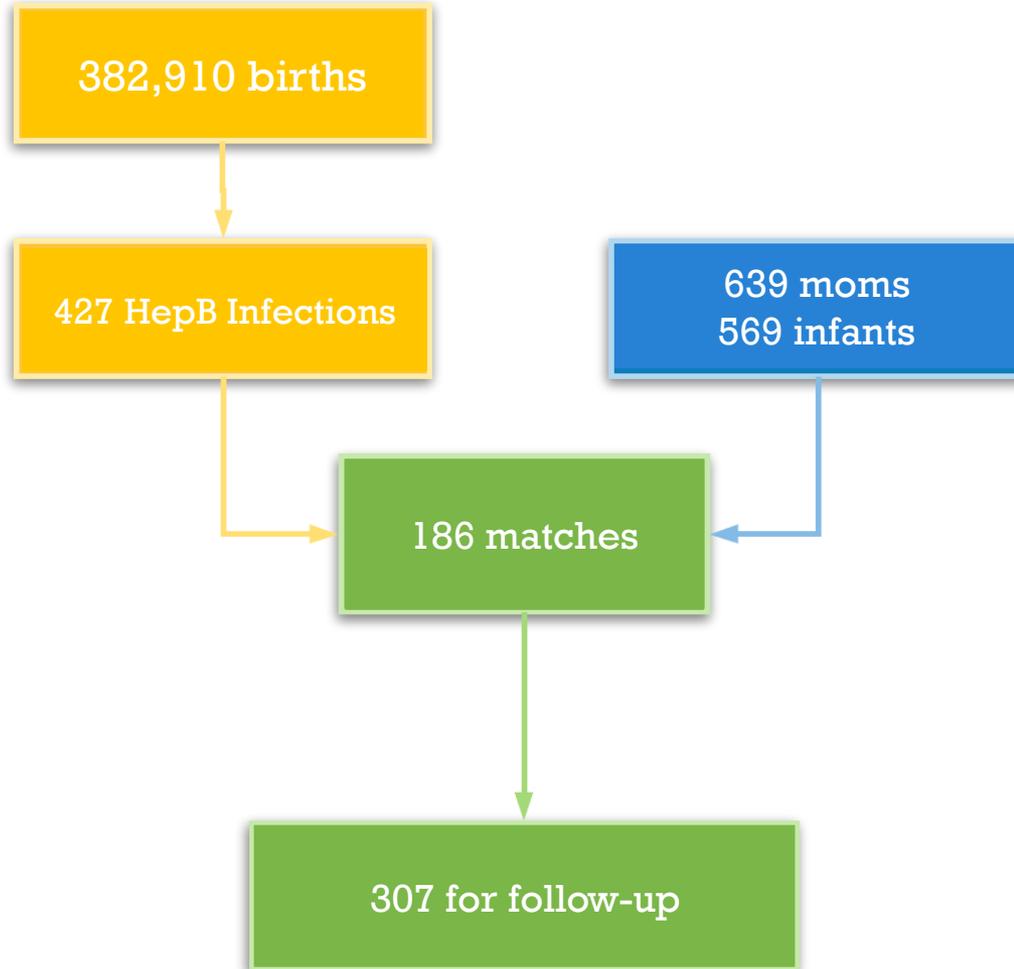
2017 PHBPP Match Numbers



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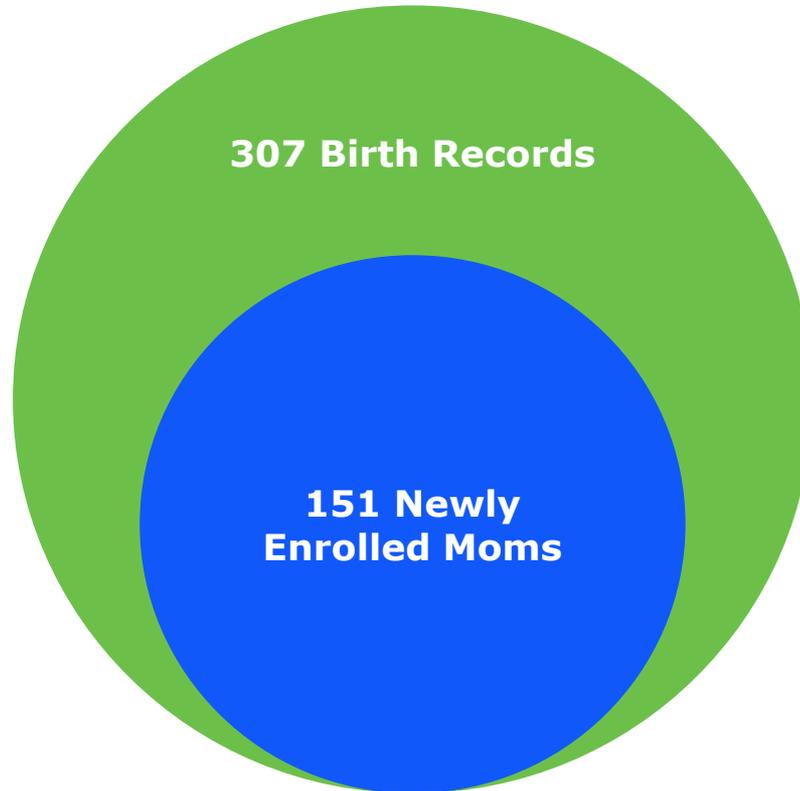


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VSU Identified Infants



Process Evaluation

- Return on investment
- Feedback loop
 - **132** infants identified by 2017 birth certificates with no status update
 - We keep these on the list for follow-up if no status received
- Data collection process improvement



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Future Directions

- Reverse match – using our database to validate birth data
 - Inform VSU about possible data quality issues
- Cross reference matches with NEDSS labs
- Enhancement to matching program: automation



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Process Feedback

It's your turn...

- Share your success stories!
- Any pain points with process?



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Thank you!



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