The Perinatal Hepatitis B Prevention Program is designed to target 100% of reported infants born to HBsAg+ (Hepatitis B surface antigen positive/Hepatitis B positive) mothers through tracking the progression of HBIG (hepatitis b immune globulin), the hepatitis B vaccine series, and post-vaccination testing. In doing so a 90% completion rate is to be maintained or increase the number of completed perinatal hepatitis B cases in the district by 2% based off previous year’s rate.

In an effort to achieve the program goals the following activities were performed:

- Performed timely disease intervention strategies to decrease the prevalence of Hepatitis B.
- Case management through SendSS (State Electronic Notifiable Disease Surveillance System) and GRITS (GA Registry of Immunization Transactions and Services) to accurately track infants immunizations.
- Conduct case interviews with mother gathering important pregnancy, contact, and disease history information.
- Created correspondence materials for mothers and physicians to remind them of upcoming immunizations and screening.
- Coordinated provider trainings with local pediatric offices to educate on the AAP/CDC recommendations on the Hepatitis B vaccination series.
- Counseled and educated mothers throughout infant’s progression through the vaccination and testing series.
- Performed investigations, data collection and analysis, and interpretation.

Results show a five year case completion rate of 51%. Changes in nursing staff and office management is a hindrance to this rate, as well as not targeting parents in time and keeping constant contact with them through counseling and education. The top two counties represented in the district are Bibb (41%) Houston (25%). There is an unrepresented portion of African Americans representing 41% of cases over the last five years. Asian/Pacific Islander population accounts for 50% of HBV cases in the USA. A district from this internship and training it was easy to identify socioeconomic, cultural, and educational determinants that are associated within the population of hepatitis representation of this race is to be expected. b mothers.

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