

A Method for Tracking Perinatal Hepatitis B in New York State

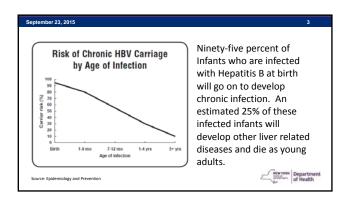
Candace Noonan-Toly Statistical Unit, Division of Epidemiology INTRODUCTION

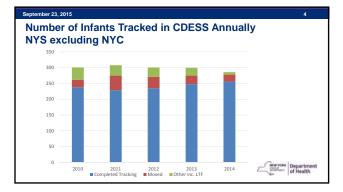
 Perinatal Hepatitis B Tracking involves tracking infants of mothers who are have positive or unknown HBsAg

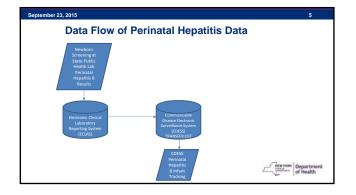
Why is it so important to track infants born to HbSAg positive mothers?

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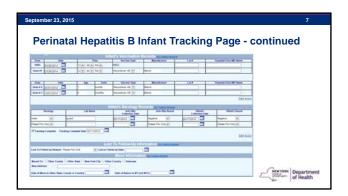
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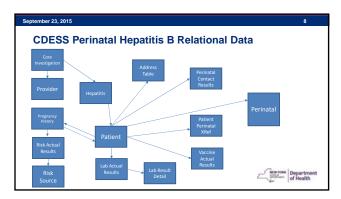






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September 23, 2015 Methods

- Data from CDESS oracle tables were smoothed into one record per infant and associated with mother using SAS v9.3 to create SAS data sets for each birth cohort.
- Using Proc Export, one CSV file was created from the SAS data set for each county and birth cohort year.

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- The CSV file becomes a CLOB.
- A **CLOB** is a Character Large Object. It is a collection of character data in a database, usually stored as a column value in a row of a database table.

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- CLOBs usually have very high size-limits, of the order of 2 GB or more.
- One table with disease, year, county and CSV file was added to CDESS Oracle database.

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- Methods....
 - SQL*Loader was used for moving data from external files into an Oracle database. SAS runs the SQL*Loader in a regular SAS program and pushes the CSV files to the new Oracle table.

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- SAS jobs run nightly to update the data sets and push the data to the Oracle database.
- CSV files are available for use by the LHD by the push of a button in CDESS. Files open in excel.

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Conclusions

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- Removal of multiple steps saves time for the LHD.
- LHDs have an easy way to analyze own data and be more proactive in their follow-up.
- Monitoring simultaneously provides easy decision making capabilities.

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Acknowledgments

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Charles DiDonato. MS - NTT Data

Betwyoux Department

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