

Perinatal Hepatitis B Birth Dose Vaccine

General Description

This dataset contains the results of hepatitis B vaccinations given to newborns within 3 days of birth and prior to hospital discharge in accordance with the New York State standard of care established in April 2006. According to the standard of care, all infants weighing at least 2,000 grams should be immunized against hepatitis B within 12 hours of birth. This data is submitted by hospitals to the New York Statewide Perinatal Data System (SPDS) and includes aggregate data includes:

- total live births at the facility,
- number of infants weighing less than 2000 grams at birth since routine vaccination of this cohort is not recommended unless mother's HBsAg status is positive or unknown, and
- total doses of hepatitis B administered.

NYS public health law requires hospitals to submit initial SPDS data within 3 days of birth or prior to discharge. Data was collected from initial submissions only.

Data Collection Methodology

SPDS stores birth data submitted by maternity hospitals statewide. SPDS information creates the electronic birth certificate and provides newborn vital data and information on medical services provided. The dataset is structured to record hepatitis B immunization administration data.

Statistical and Analytic Issues

Hospitals are identified by PFI because hospital names changed with mergers and new sponsors. In addition, infants weighing less than 2000 grams and born to women whose HBsAg status is unknown or positive were not identified because only aggregate data without identifiers is used. These infants would have received the hepatitis B birth dose as post-exposure prophylaxis. However, these infants account for <0.002% of all births so are considered statistically insignificant.

Limitations of Data Use

Public access to this data is intended solely to allow the public convenient access to information. This data is reported by the healthcare facilities and could be incomplete. While all attempts are made to provide accurate, current, and reliable information, the Department recognizes the possibility of human and/or mechanical error and that information captured at a point in time often becomes obsolete. Therefore, the Department, its employees, officers and agents make no representation, warranty or guarantee as to the accuracy, completeness, currency, or suitability of the information provided here.

SPDS does not collect the time of vaccine administration so validation that the birth dose was administered within 12 hours of birth cannot be determined. Although the NYS standard of care is to administer the birth dose within 12 hours of birth, the Advisory Committee for Immunization Practices and the American Academy of Pediatrics recommend the birth dose be administered prior to discharge. This data is collected on the initial SPDS submission from the hospital.