

**Appendix A**  
**ICD-9/10 Codes for NQF #0475**

1. **Numerator:** For each hospital or birthing facility, the number of live newborn infants, during a calendar year, that received a dose of hepatitis B vaccine prior to hospital/birthing facility discharge (or within 1 month of life, if the infant had an extended hospital stay). Acceptable data sources include: pharmacy records, vaccine consent forms, medication administration records, claims data, nurses notes, electronic medical records, or other available records.

a. **ICD codes**

| ICD-9   | ICD-10*   |
|---|---|
| <a href="http://icd9cm.chrisendres.com/index.php?action=c_hild&amp;recordid=10493">http://icd9cm.chrisendres.com/index.php?action=c_hild&amp;recordid=10493</a> | <a href="http://www.icd10data.com/ICD10CM/Codes/Z00-Z99/Z20-Z28/Z23-/Z23">http://www.icd10data.com/ICD10CM/Codes/Z00-Z99/Z20-Z28/Z23-/Z23</a>   |
| <ul style="list-style-type: none"> <li>○ <b>V05.3</b> - Need for prophylactic vaccination and inoculation against viral hepatitis</li> </ul>                    | <p style="text-align: center;"><b>z23</b></p> <ul style="list-style-type: none"> <li>○ <b>z23.9955</b> - Prophylactic administration of vaccine against other diseases</li> <li>○ <b>z23.9959</b> - Other vaccination or inoculation</li> </ul> |

\* ICD-9 code V05.3 converts to ICD-10 code z23 (type of immunization given will be identified by the procedure code—effective October 1, 2013. The procedure code for prophylactic vaccination and inoculation against viral hepatitis is unknown. Suggest the use of ICD-10 code z23.9955 or z23.9959).

b. **CPT Codes**

- i. 90744 Hepatitis B vaccine
- ii. 90471 Immunization administration code

2. **Denominator:** The number of live births at the hospital during one calendar year can be determined from a variety of sources, including the paper or electronic patient records, claims data, nursery birth records, or other available records. ICD-10 codes can be used. Stillborn deliveries are not included in the definition of the MEASURE.

| ICD-9  | ICD-10   |
|--|--|
| <a href="http://icd9cm.chrisendres.com/index.php?action=c_hild&amp;recordid=10858">http://icd9cm.chrisendres.com/index.php?action=c_hild&amp;recordid=10858</a>  | <a href="http://www.icd10data.com/ICD10CM/Codes/Z00Z99/Z30-Z39/Z37-/#Z37">http://www.icd10data.com/ICD10CM/Codes/Z00Z99/Z30-Z39/Z37-/#Z37</a><br><a href="http://www.icd10data.com/ICD10CM/Codes/Z00Z99/Z30-Z39/Z38-/#Z38">http://www.icd10data.com/ICD10CM/Codes/Z00Z99/Z30-Z39/Z38-/#Z38</a>   |
| <p><b>V27: Outcome of Delivery</b></p> <ul style="list-style-type: none"> <li>▪ <b>V27.0</b> Single live born</li> <li>▪ <b>V27.2</b> Twins, both live born</li> <li>▪ <b>V27.3</b> Twins, one live born and one stillborn</li> <li>▪ <b>V27.5</b> Other multiple birth, all live born</li> <li>▪ <b>V27.6</b> Other multiple birth, some live born</li> </ul> | <ul style="list-style-type: none"> <li>▪ <b>z37.0</b> Single live birth</li> <li>▪ <b>z37.2</b> Twins, both live born</li> <li>▪ <b>z37.3</b> Twins, one live born and one stillborn</li> <li>▪ <b>z37.50</b> Multiple births, unspecified, all live born</li> <li>▪ <b>z37.51</b> Triplets, all live born</li> <li>▪ <b>z37.52</b> Quadruplets, all live born</li> <li>▪ <b>z37.53</b> Quintuplets, all live born</li> <li>▪ <b>z37.54</b> Sextuplets, all live born</li> <li>▪ <b>z37.59</b> Other multiple births, all live born</li> <li>▪ <b>z37.60</b> Multiple births, unspecified, some live born</li> <li>▪ <b>z37.61</b> Triplets, some live born</li> <li>▪ <b>z37.62</b> Quadruplets, some live born</li> <li>▪ <b>z37.63</b> Quintuplets, some live born</li> <li>▪ <b>z37.64</b> Sextuplets, some live born</li> </ul> |
| <p><b>V30-V3x: Live born Infants according to type of birth</b></p> <ul style="list-style-type: none"> <li>▪ <b>V30.0</b> Single live born</li> <li>▪ <b>V31.0</b> Twin mate, live born</li> <li>▪ <b>V34.0</b> Other multiple births, all mates live born</li> <li>▪ <b>V36.0</b> Other multiple births, mates live- and stillborn</li> </ul>                 |  |

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|  | <ul style="list-style-type: none"> <li>▪ <b>z37.69</b> Other multiple births, some live born</li> <li>▪ <b>z38.00</b> Single live born infant, delivered vaginally</li> <li>▪ <b>z38.01</b> Single live born infant, delivered by cesarean</li> <li>▪ <b>z38.1</b> Single live born infant, born outside hospital</li> <li>▪ <b>z38.2</b> Single live born infant, unspecified as to place of birth</li> <li>▪ <b>z38.30</b> Twin live born infant, delivered vaginally</li> <li>▪ <b>z38.31</b> Twin live born infant, delivered by cesarean</li> <li>▪ <b>z38.4</b> Twin live born infant, born outside hospital</li> <li>▪ <b>z38.5</b> Twin live born infant, unspecified as to place of birth</li> <li>▪ <b>z38.61</b> Triplet live born infant, delivered vaginally</li> <li>▪ <b>z38.62</b> Triplet live born infant, delivered by cesarean</li> <li>▪ <b>z38.63</b> Quadruplet live born infant, delivered vaginally</li> <li>▪ <b>z38.64</b> Quadruplet live born infant, delivered by cesarean</li> <li>▪ <b>z38.65</b> Quintuplet live born infant, delivered vaginally</li> <li>▪ <b>z38.66</b> Quintuplet live born infant, delivered by cesarean</li> <li>▪ <b>z38.68</b> Other multiple live born infant, delivered vaginally</li> <li>▪ <b>z38.69</b> Other multiple live born infant, delivered by cesarean</li> <li>▪ <b>z38.7</b> Other multiple live born infant, born outside hospital</li> <li>▪ <b>z38.8</b> Other multiple live born infant, unspecified as to place of birth</li> </ul> |
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**3. Denominator Exclusion:** Determine number of live newborn infants born at the hospital/birthing facility whose parent/guardian refused hepatitis B birth dose and exclude from the denominator.

| ICD-9   | ICD-10  |
|---|---|
| <a href="http://icd9cm.chrisendres.com/index.php?action=c_hild&amp;recordid=11296">http://icd9cm.chrisendres.com/index.php?action=c_hild&amp;recordid=11296</a> | <a href="http://www.icd10data.com/ICD10CM/Codes/Z00-Z99/Z20-Z28/Z28-/#Z28">http://www.icd10data.com/ICD10CM/Codes/Z00-Z99/Z20-Z28/Z28-/#Z28</a> |
| <b>V64.05</b><br>Vaccination not carried out because of caregiver (parent/guardian) refusal   | <b>z28.82</b><br>Immunization not carried out because of caregiver refusal  |

*Newborn infants who are transferred to another facility should be counted in the calculation of hepatitis B vaccine coverage among live births at the newborn’s original birthing hospital/facility.*