



One of a series of tip sheets that look at key Healthcare Effectiveness Data and Information Set measures

## Childhood immunization status

This measure examines the percentage of 2-year-olds who had the following vaccines on separate dates of service by their second birthday:

Vaccine	Doses
DTaP – Diphtheria, tetanus, acellular pertussis	4
IPV – Polio	3
MMR – Measles, mumps, rubella	1
HIB – Haemophilus influenza B	3
HepB – Hepatitis B	3
VZV – Chicken pox (Varicella zoster)	1
PCV – Pneumococcal conjugate	4
HepA – Hepatitis A	1
RV – Rotavirus	2-3
Flu – Influenza	2

Note: For MMR, VZV, Hep A and Hep B, a seropositive result for each antigen or documented history of disease is also acceptable; however, documentation must be present in the chart, and proper codes should be submitted.

### Improving HEDIS® scores\*

Follow these tips:

- Utilize the Michigan Care Improvement Registry system of immunization tracking at [MCIR.org](http://MCIR.org).
- Keep clear and meticulous records, using proper coding. See table on back for details.
- Review the child's immunization status at every visit and provide necessary vaccines.
- Provide parents with recommended immunization schedules and stress the importance of keeping their child immunized in a timely manner. It is useful if they have a "next appointment" date in hand before leaving provider's office. The immunization will not be valid for HEDIS purposes if given **even one day** after the second birthday.
- Strong physician recommendation, with time spent addressing parental concerns, has been shown to increase parental compliance with recommended immunizations.
- Reminders by mail, email and text have shown to be effective in increasing immunization rates.
- Make sure to request past immunization records in new or recently transferred patients.
- If child should not be immunized due to him or her having had the disease, be sure to document this information, including the date.

\*HEDIS, which stands for Healthcare Effectiveness Data and Information Set, is a registered trademark of the National Committee for Quality Assurance.

### Did you know?

- The number of children not fully vaccinated in the U.S. has been steadily increasing in the past decade.
- Waivers in Michigan have declined by 39% since a new rule went into effect in 2015 requiring parents to meet with local health dept. staff prior to obtaining a waiver.
- Without childhood immunizations, an estimated 14.3 million cases of associated disease would occur each year, resulting in 33,564 deaths.
- Concern about vaccine safety is the most commonly reported reason given by parents who don't have their children vaccinated.

### Exclusions (optional)

Exclude children who have a contraindication for a specific vaccine.

- **DTaP:** Encephalopathy coded with vaccine causing adverse effect
  - **ICD-10:** G04.32
- **MMR, VZV and influenza:** Immunodeficiency, HIV, lymphoreticular cancer, multiple myeloma or leukemia or anaphylactic reaction to neomycin
- **IPV:** Anaphylactic reaction to neomycin, streptomycin, polymyxin B
- **Hepatitis B:** Anaphylactic reaction to common baker's yeast
- **Pertussis and Pertussis Combinations:** Vaccines causing adverse effect
  - T50.A15A, T50.A15D, T 50.A15S

### Codes to identify childhood immunizations or prior disease

Vaccine components	Immunization codes	ICD-10
DTaP	*90698, *90700, *90721, *90723	
IPV	*90698, *90713, *90723	
Hepatitis B	*90723, *90740, *90744, *90747, *90748	B16.0-B16.2, B16.9, B17.0, B18.0, B18.1, B19.10, B19.11, Z22.51
Hepatitis A	*90633	B15.0, B15.9
MMR	*90707, *90710	
Measles and rubella	*90708	
Measles	*90705	B05.0-B05.4, B05.81, B05.89, B05.9
Mumps	*90704	B26.0-B26.3, B26.81-B26.85, B26.89, B26.9
Rubella	*90706	B06.00-B06.02, B06.09, B06.81, B06.82, B06.89, B06.9
Influenza	*90630, *90655, *90657, *90661, *90662, *90673, *90685	
HIB	*90644, *90645, *90646, *90647, *90648, *90698, *90721, *90748	
Rotavirus	*90680, *90681	
VZV	*90710, *90716	B01.0, B01.11, B01.12, B01.2, B01.81, B01.89, B01.9, B02.0, B02.1, B02.21-B02.24, B02.29- B02.34, B02.39, B02.7, B02.8, B02.9
Pneumococcal conjugate	*90669, *90670	
Anaphylactic reaction – exclusion		T80.52XA, T80.52XD, T80.52XS
Encephalopathy due to vaccination		G04.32

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