



2015

Clinical quality corner

One in a series of tip sheets focusing on key Healthcare Effectiveness Data and Information Set measures

Childhood immunization status

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**.
- 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.

Did you know?

- The number of children not fully vaccinated in the U.S. has been steadily increasing in the past decade.
- During the 2013-14 school year, Michigan had the fourth highest waiver rate for kindergartners compared to other states.
- 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.

(Continued on back)

Exclusion (optional)

Exclude children who have a contraindication for a specific vaccine.

- **Any particular vaccine:** Anaphylactic reaction to vaccine or its components
 - ICD-9: 999.4, 999.42
 - ICD-10: T80.52XA, T80.52XS, T80.52XD
- **DTaP:** Encephalopathy coded with vaccine causing adverse effect
 - ICD-9 : 323.51
 - ICD-10: G04.32
- **MMR, VZV and influenza:** Immunodeficiency, HIV, lymphoreticular cancer, multiple myeloma or leukemia
- **IPV:** Anaphylactic reaction to neomycin
- **Hepatitis B:** Anaphylactic reaction to common baker's yeast

Codes to identify childhood immunizations or prior disease

Vaccine components	Immunization codes	ICD-9	ICD-10
DTaP	*90698,*90700, *90721, *90723		
IPV	*90698,*90713, *90723		
Hepatitis B	*90723,*90740, *90744,*90747, *90748	070.20-070.23, 070.30-070.33	B16.0-B16.2, B16.9, B17.0, B18.0, B18.1, B19.10, B19.11
Newborn Hepatitis B vaccine administered in hospital		99.5	3E0234Z
Hepatitis A	*90633	070.0, 070.1	B15.0, B15.9
MMR	*90707, *90710		
Measles and rubella	*90708		
Measles	*90705	055.0-055.2, 055.71, 055.79, 055.8, 055.9	B05.0-B05.4, B05.81, B05.89, B05.9
Mumps	*90704	072.0-072.3, 072.71-072.72, 072.79, 072.8-072.9	B26.0-B26.3, B26.81-B26.85, B26.89, B26.9
Rubella	*90706	56.00, 56.01, 56.09,56.71, 56.79, 56.8, 56.9	B06.00-B06.02, B06.09, B06.81, B06.82, B06.89, B06.9
Influenza	*90655,*90657, *90661, *90662, *90673, *90685		
HIB	*90645,*90646, *90647, *90648,*90698, *90721,*90748		
Rotavirus	*90680,*90681		
VZV	*90710, *90716	052.0-052.2, 052.7-052.9, 053.0,053.10- 053.14, 053.19- 053.22, 053.29, 053.71, 053.79, 053.8, 053.9	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		999.4, 999.42	T80.52XA, T80.52XD, T80.52XS
Encephalopathy due to vaccination		323.51	G04.32

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