

# Report on the Success of the Statewide Immunization Program during CY 2016

Department of Health Services

July 6, 2017

Wisconsin Stat. § 252.04 (11) directs the Department of Health Services to submit an annual report to the Legislature by July 1 on the success of the statewide Immunization Program.

Assessments were completed on three different age groups:

1. **Preschool-age children:** Estimates of immunization levels among Wisconsin preschool-age children (19-35 months of age) are determined using the Wisconsin Immunization Registry (WIR). A child's primary immunization series includes four DTaP (diphtheria, tetanus, and pertussis); three polio; one MMR (measles, mumps, and rubella); three or more *Haemophilus influenzae* Type B; three hepatitis B; one varicella; and four pneumococcal conjugate vaccine. The percentage of preschool-age children who completed the primary series for 2016 was 72.6%.\*
2. **Kindergarten through 12<sup>th</sup> grade:** The compliance results for the 2016-2017 school year when compared to last year's results demonstrate no change in the percentage of students "meeting minimum" immunization requirements (92.5%). The percentage of students "behind schedule" decreased (from 1.8% to 1.6%), and the number of parents who claimed a "personal conviction" waiver for their child decreased from 4.3% to 4.2%. This year the Immunization Program began collecting the number of students at each school who had received no immunizations and had a waiver for all vaccines. The results indicated that 1.0% of Wisconsin students have received no immunizations and had a waiver for all vaccines.
3. **Adolescents:** CY16 immunization activities also included those specific to adolescents aged 13 through 18 years. Vaccines included in the adolescent platform include HPV (human papillomavirus vaccine), MCV4 (meningococcal conjugate vaccine), and Tdap (tetanus-diphtheria-acellular pertussis). The following represent coverage rates for the adolescent platform using WIR data: one or more HPV (49.1%), three or more HPV (29.6%), one or more MCV4 (69.6%), MCV4 up to date<sup>§</sup> (41.9%), and one or more Tdap (78.7%).

The **WIR** currently has 16,252 active users. The count of active users does not include those who enter the system through an electronic health record (EHR) or electronic medical record (EMR) with a real-time interface with WIR. There are more than 8.9 million client records with 93 million associated immunizations in WIR. Each day approximately 13,978 vaccine administration records are added to WIR. There were approximately 60,370 average public access attempts per month during 2016, with a peak of 78,897 public access attempts during August 2016. WIR has 2,350 schools and school districts, all of which have the ability to enter data into WIR. During 2016, we updated WIR with the ability to forecast for a single antigen in the measles, mumps, rubella (MMR) vaccine group making it easier for providers to decipher the number of MMR vaccine doses needed for vaccine series completion.

\*Note that the source of immunization data among preschool-aged children has changed from the National Immunization Survey to WIR in order to present similar but timelier data.

<sup>§</sup>MCV4 up to date includes clients 17-18 years old. Clients are considered up to date if they have received an MCV4 dose prior to age 16 years and a booster dose at or after 16 years or if they received one MCV4 dose at or after age 16 years.

