

MICHIGAN IMMUNIZATION DATA

Why is it important to know and understand Michigan's Immunization Rates ?

- Allows parents to decide if they want to send their children to day care centers where many children have not been vaccinated.
- Allows local health departments and their partners to identify where most children might be vulnerable to vaccine-preventable diseases and then design and implement plans to increase levels of immunization among specific populations
- By tracking immunization rates, communities can evaluate if their plans to increase immunization uptake have been effective.
- Emergency health planners can prepare more effectively for a flu pandemic if they know how many people have received vaccine in recent years.

Highlights for 2017

- 663 of Michigan's children (251 of kindergarteners, 188 of 7th graders and 224 new students) are vulnerable to serious vaccine-preventable disease because, for medical reasons, they cannot receive a vaccine¹. This does not include students in other grades who have a medical waiver, but were not in grades that were assessed
- 27% of children receiving vaccine waivers did so because of medical (4.6%) or religious (22.2%) reasons¹.

Most data on immunization levels in Michigan are about children because of the legal requirement for immunizations in schools and day care centers.

By the age of 3 years, children are recommended by the Centers for Disease Control and Prevention (CDC) and the American Academy of Pediatrics to have a complete series of the following vaccines: Diphtheria, tetanus, pertussis (whooping cough), polio, measles, mumps, rubella (German measles) *Haemophilus meningitis*, hepatitis B, varicella (chickenpox), pneumococcal (the so-called 4:3:1:3:3:1:4 vaccine series) and hepatitis A (2 doses).

In March of 2018

- * 57.1% of Michigan's 19-35 month old children had been immunized with all recommended vaccines.
- * By the time these children reach kindergarten and encounter the school immunization rules, the rates have risen by more than 63%. Health policy worked to protect more young children.
- * 93.3% of kindergarteners were up-to-date for their vaccines.
- * 93.9% of 7th graders were up-to-date.
- * 23.9% of children aged between 6 months and 8 years had completed flu vaccination. 4.2% of kindergarteners' parents decided to seek immunization waivers.
- * 42.0% of adolescent girls and 37.2% of adolescent boys had received the full series of vaccines against the human papilloma virus vaccine (HPV).

In Michigan during 2017

- * 761 cases of whooping cough (pertussis) were reported from 20 counties.
- * 542 cases of chickenpox were reported
- * 959 cases of shingles were reported
- * Over 25,000 cases of flu were reported and another 394,652 flu-like illnesses were reported

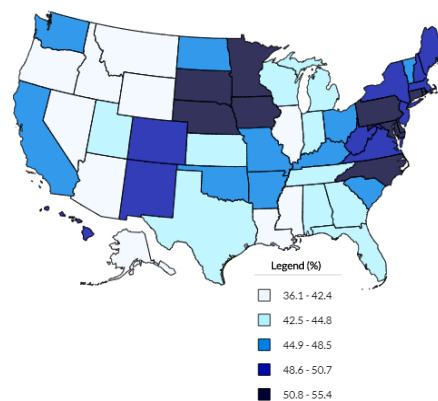
Source of Data:
Michigan Department of Health and Human Services
https://www.michigan.gov/mdhhs/0,5885,7-339-73971_4911_4914_68361-321114--,00.html

https://www.michigan.gov/documents/mdch/Current_WSR_272689_7.pdf

How does Michigan rank?

- * Among the 50 US states, Michigan ranks 29th for the required childhood vaccine series with only 70.2% of children age 19-35 months being complete.
- * For the mumps-measles and rubella vaccine (MMR), Michigan ranks 46th in the country with only 86.4% of 2-year olds having received the 1st dose of the MMR vaccine. To prevent outbreaks, at least 83%-94% of the population should be immune⁵. Michigan is therefore particularly vulnerable to outbreaks of this very serious disease.
- * As the map below shows, Michigan more than 50% of its population were not vaccinated against the flu in 2016-2017 flu season.

Influenza vaccine coverage, by state, 2016-7²



- Only 60.3% of Michigan's population that is over 65 years of age received a flu shot in 2017. This group is very vulnerable to complications of influenza.

References

1. Michigan Department of Health and Human Services Immunization Status of School Children in Michigan. Final 2017 data. https://www.michigan.gov/documents/mdch/School_Summary_2014_483316_7.pdf
2. US Centers for Disease Control and Prevention FluVaxView <https://www.cdc.gov/flu/fluview/reportshtml/report1617/report1/index.html> Last updated September 28, 2017. Accessed August 15, 2018.
3. Kaiser Family Foundation. Kaiser Family Foundation analysis of the Centers for Disease Control and Prevention (CDC)'s Behavioral Risk Factor Surveillance System (BRFSS) 2013-2016 Survey Results. <https://www.kff.org/other/state-indicator/influenza-vaccines/?currentTimeframe=0&sortModel=%7B%22colId%22:%22Location%22,%22sort%22:%22asc%22%7D>. Accessed August 14, 2018.