

## INTRODUCTION

This report summarizes the immunization coverage of students in Hastings and Prince Edward Counties (HPEC) for immunizations during the 2018-2019 school year.

- The immunization coverage for those born in 2011 (7 to 8 year-olds) and in 2001 (16 to 17 year-olds) is presented based on the Immunization of School Pupils Act (ISPA).
- The immunization coverage for those born in 2006 (12 to 13 year-olds) is presented for the Grade 7 School Immunization Program.

## IMMUNIZATION OF SCHOOL PUPILS ACT

Ontario’s ISPA requires that children and adolescents attending school be appropriately immunized against designated diseases. For a child to be compliant with the ISPA, the child must have a record of immunization or a valid exemption on file with public health for the following diseases:

- Diphtheria
- Tetanus
- Polio
- Measles
- Mumps
- Rubella
- Meningococcal disease
- Pertussis (whooping cough)
- Varicella (chicken pox)  
*for 2010 birth year or later*

## ISPA TOTAL COMPLIANCE

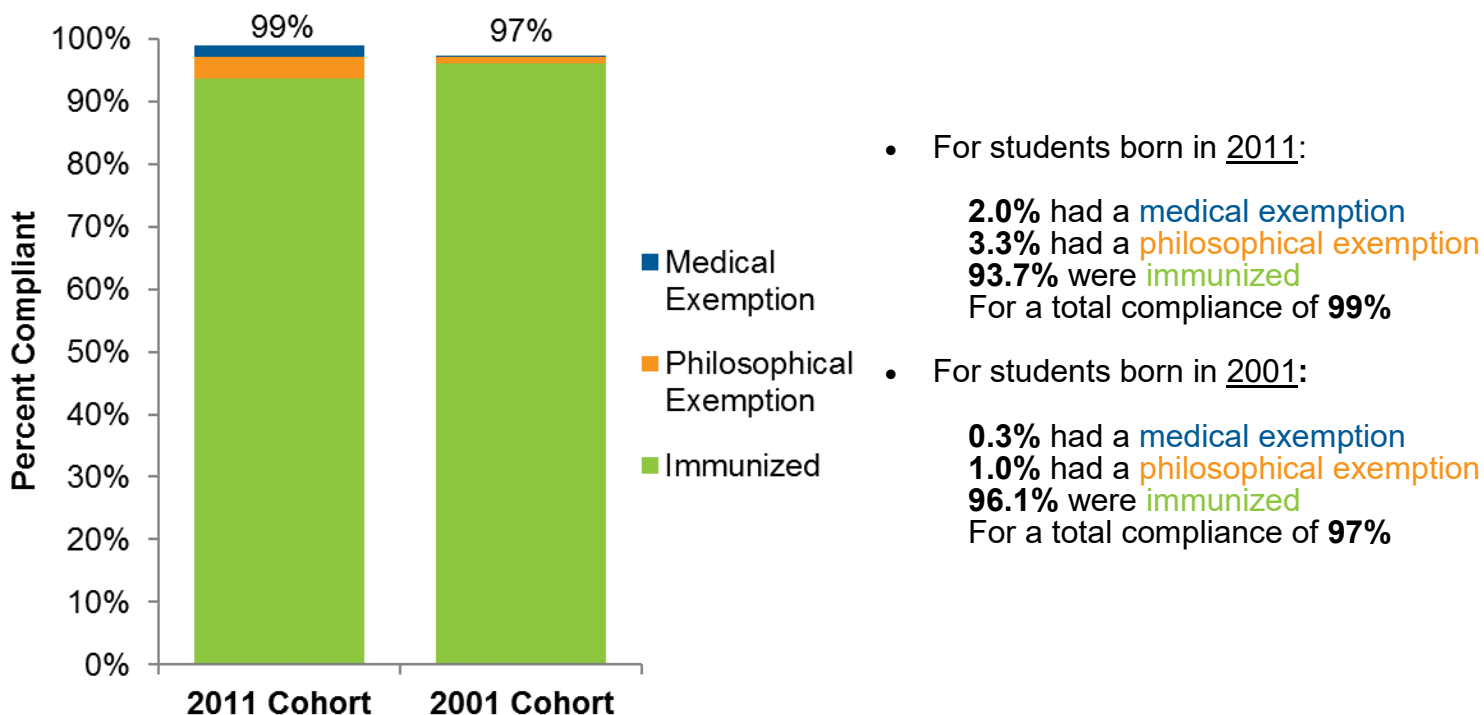


Figure 1. Percentage of students born in 2011 and in 2001 that are not overdue for ISPA mandatory vaccinations. Source: PEAR, accessed Sep 5, 2019.

## ISPA IMMUNIZATIONS BY DISEASE

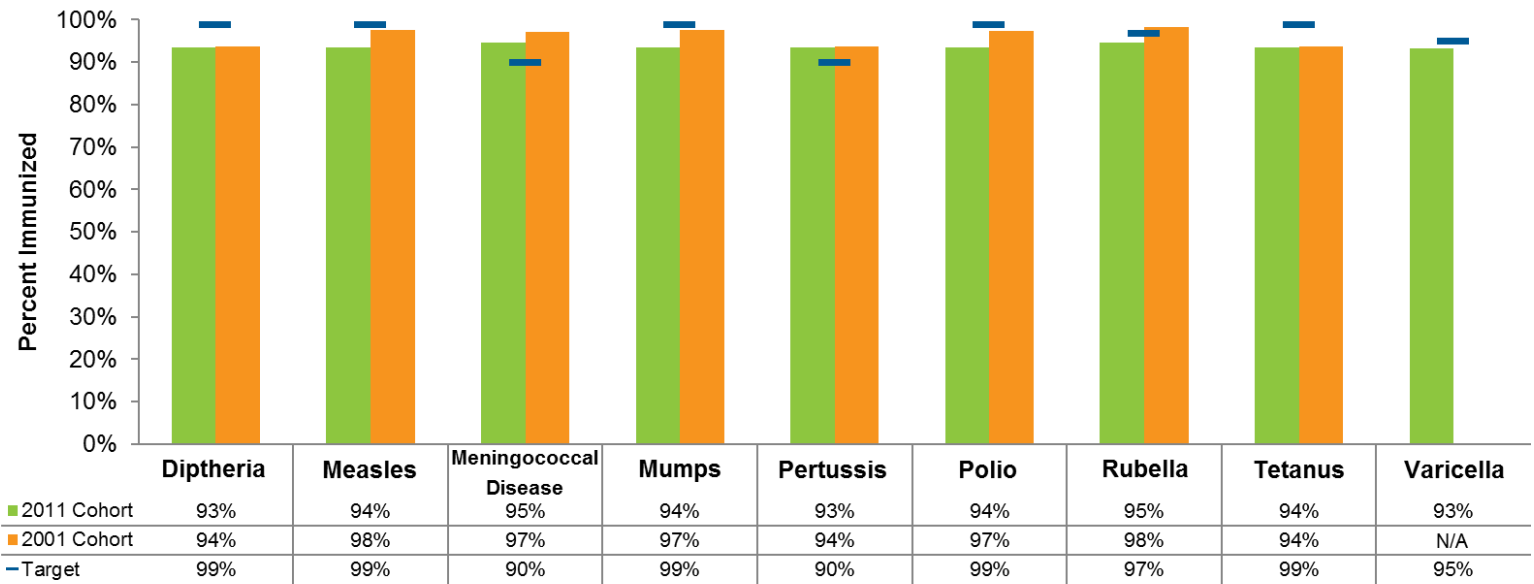


Figure 2. Percentage of students born in 2011 (green) and in 2001 (orange) that are immunized with ISPA mandatory vaccinations.  
Source: PEAR, accessed Sep 5, 2019.

- In the **2011 birth year** cohort, the provincial immunization targets for pertussis and meningococcal disease were achieved.
- In the **2001 birth year** cohort, the provincial immunization targets for rubella, pertussis and meningococcal disease were achieved.
- As varicella immunization is only required under the ISPA for birth years of 2010 onwards, the figure only includes the **2011 birth year** cohort.

**Note:** Though Figure 1 shows compliance rates, Figure 2 and all other remaining figures in this report show immunization rates. Immunization rates are obtained through the following equation:

$$\% \text{ Students Immunized} = \frac{(\# \text{ Students compliant}) - (\# \text{ Students with exemptions})}{\# \text{ Students enrolled}} \times 100$$

## GRADE 7 SCHOOL IMMUNIZATION PROGRAM

The Grade 7 School Immunization Program exists for hepatitis B, human papillomavirus (HPV), and meningococcal disease. Hastings Prince Edward Public Health plans and delivers school immunization clinics for these vaccine-preventable diseases in the Grade 7 population in HPEC.

## GRADE 7 SCHOOL IMMUNIZATION COVERAGE

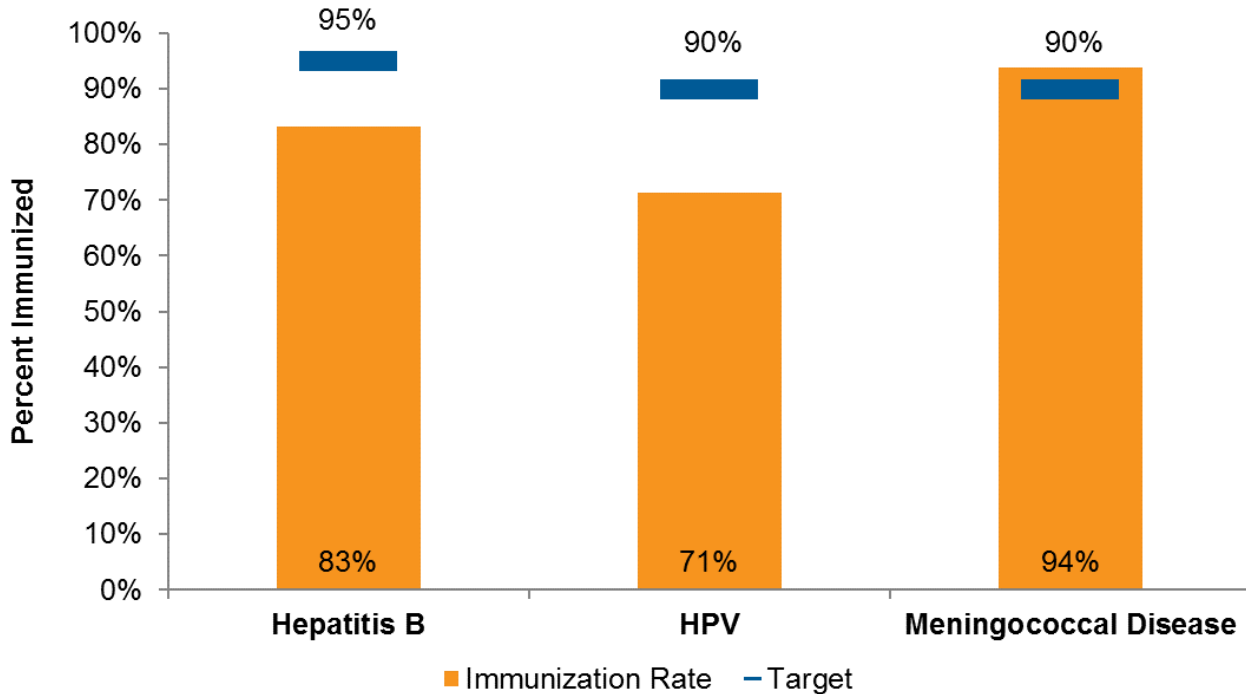


Figure 3. Percentage of Grade 7 students that have completed vaccinations for each disease, with provincial targets. Source: PEAR, accessed Sep 5, 2019.

- Hepatitis B (83% immunized) is 12% below the target immunization rate.
- HPV (71% immunized) is 19% below the target immunization rate.
- Meningococcal disease (94% immunized) is 4% above the target immunization rate.

## GRADE 7 SCHOOL IMMUNIZATION BY DISEASE

### HEPATITIS B

- The hepatitis B immunization rates among Grade 7 students have increased overall since the 2013-14 school year.
- The observed hepatitis B immunization rates continue to remain below the provincial target of 95%.

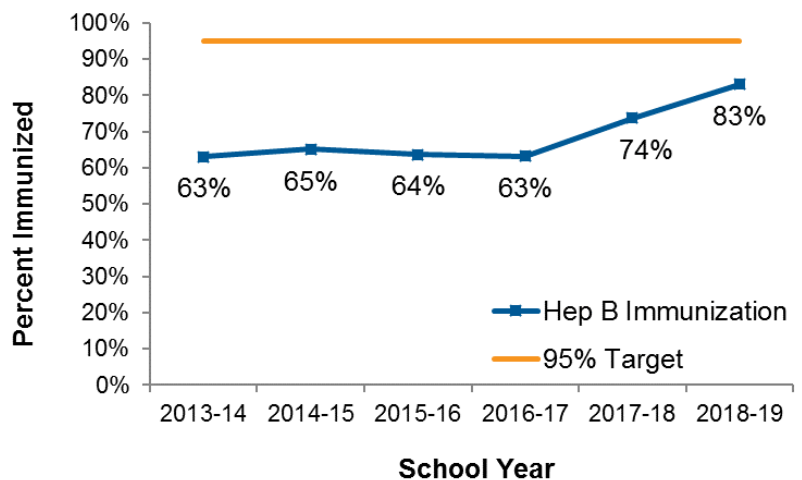


Figure 4. Percentage of Grade 7 students that have completed vaccinations for hepatitis B. Source: PEAR, accessed Sep 5, 2019.

## HUMAN PAPILLOMA VIRUS (HPV)

- The HPV immunization rates among Grade 7 students have increased overall since the 2016-17 school year.
- The observed HPV immunization rates continue to remain below the provincial target of 90%.

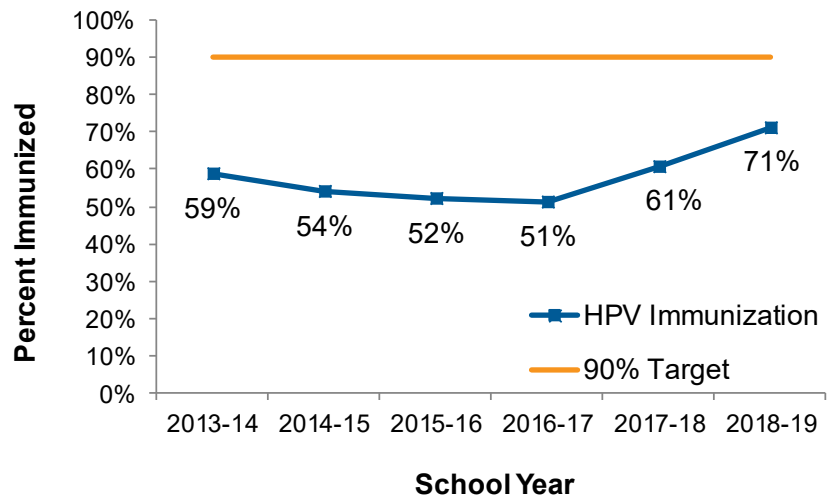


Figure 5. Percentage of Grade 7 students that have completed vaccinations for HPV. Source: PEAR, accessed Sep 5, 2019.

## MENINGOCOCCAL DISEASE

- The meningococcal disease immunization rates have increased overall since the 2013-14 school year.
- The observed meningococcal disease immunization rates have surpassed the provincial target of 90%.

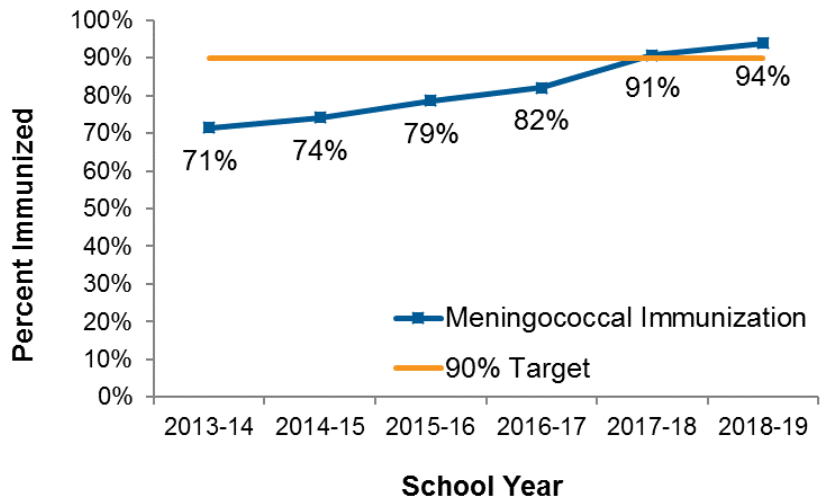


Figure 6. Percentage of Grade 7 students that have completed vaccinations for meningococcal disease. Source: PEAR, accessed Sep 5, 2019.

## NOTES

Panorama is a provincial web-based information system that has stored immunization coverage data since July 1, 2014. Prior data was stored in the Immunization Records Information System (IRIS) and imported into Panorama. Panorama Enhanced Analytical Reporting (PEAR) is an extension of Panorama that uses software to extract data and generate reports.

Data for targets, and immunization data from previous years adapted from:

Ontario Agency for Health Protection and Promotion (Public Health Ontario). Immunization coverage report for school pupils: 2013-14, 2014-15, 2015-16, 2016-17 and 2017-18 school years. Toronto, ON: Queen's Printer for Ontario; 2017.

### For more information:

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