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## INTRODUCTION

This report summarizes the immunization coverage of students in Hastings and Prince Edward Counties (HPEC) for immunizations during the 2016-2017 school year.

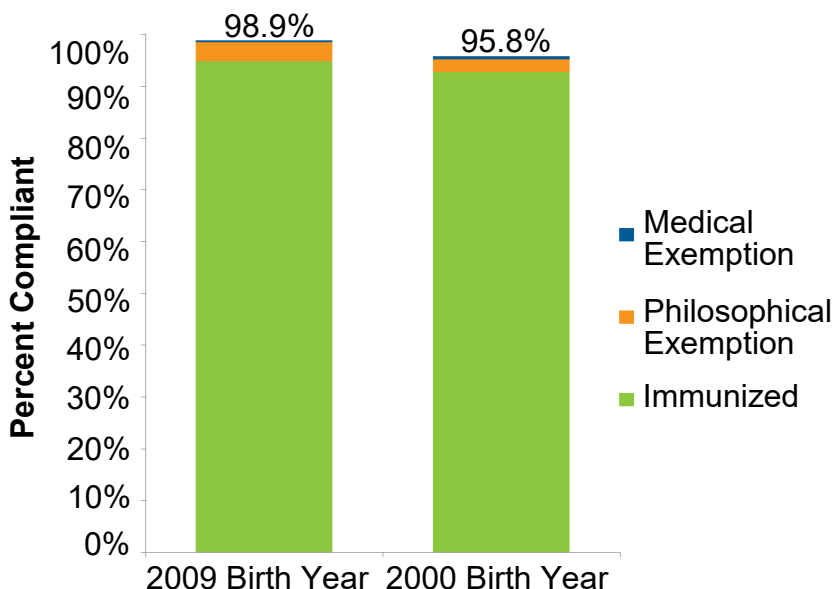
- The immunization coverage for those born in 2009 (7 to 8 year-olds) and in 2000 (16 to 17 year-olds) is presented based on the Immunization of School Pupils Act
- The immunization coverage for those born in 2004 (12 to 13 year-olds) is presented for the Grade 7 School Immunization program

## IMMUNIZATION OF SCHOOL PUPILS ACT (ISPA)

Ontario's Immunization of School Pupils Act (ISPA) requires that children and adolescents attending school be appropriately immunized against designated diseases. For a child to be compliant with 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



- For students born in 2009:  
 0.3% had a **medical exemption**  
 3.7% had a **philosophical exemption**  
 94.9% were **immunized**  
 Giving a total compliance of **98.9%**
- For students born in 2000:  
 0.6% had a **medical exemption**  
 2.4% had a **philosophical exemption**  
 92.8% were **immunized**  
 Giving a total compliance of **95.8%**

Figure 1. Students born in 2009 and in 2000 that are not overdue for vaccines to diphtheria, tetanus, polio, measles, mumps, and rubella. Source: PEAR, accessed July 10, 2017.

## ISPA IMMUNIZATION COVERAGE BY DISEASE

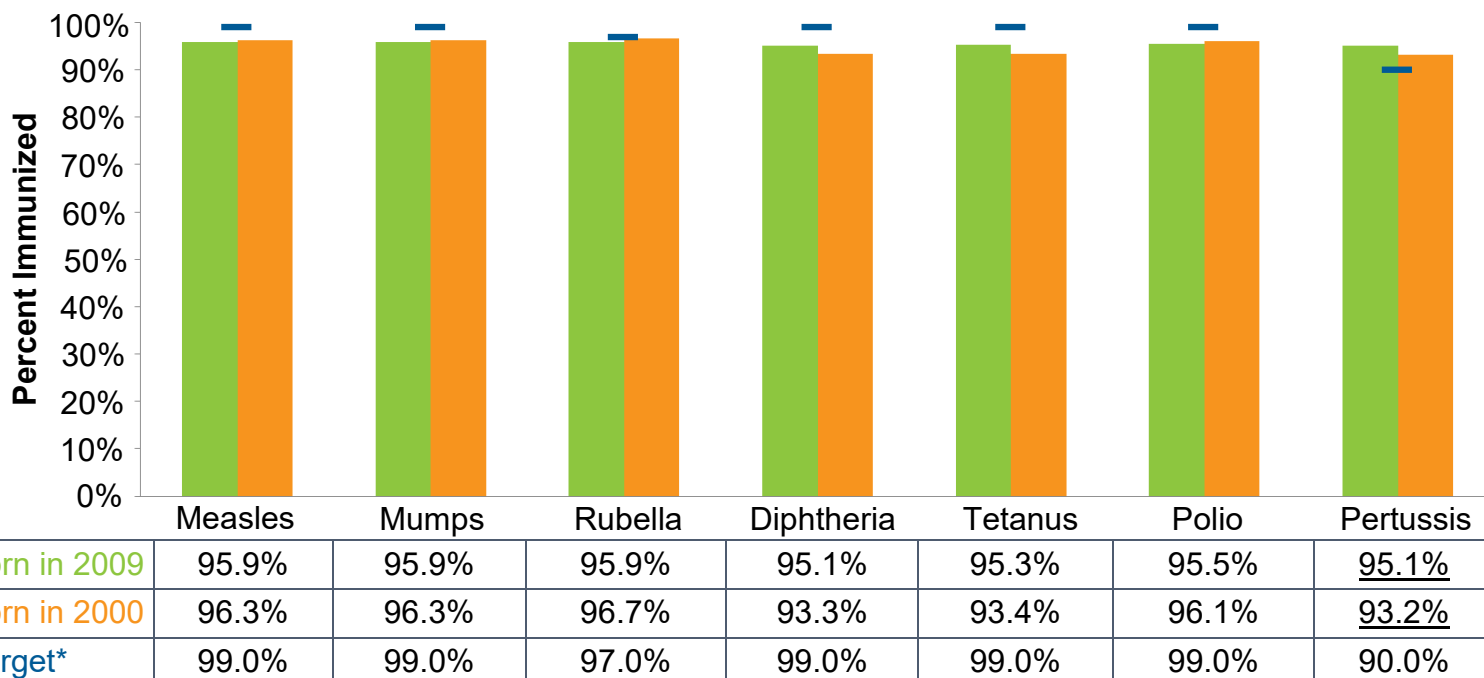


Figure 2. Percentage of students born in 2009 (green) and 2000 (orange) that are immunized for measles, mumps, rubella, diphtheria, tetanus, poliomyelitis or pertussis. Percentages that are underlined are at or above the provincial target coverage. Source: PEAR, accessed July 12, 2017.

- The **2009 birth year** group's immunization coverage rates are higher for diphtheria, tetanus and pertussis. The provincial target was met only for pertussis.
- The **2000 birth year** group's immunization coverage rates are higher for measles, mumps, rubella, and polio. The provincial target was met only for pertussis.
- As varicella immunization is only part of the ISPA for birth years 2010 onwards, it was not included in this figure

**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 PROGRAM COVERAGE

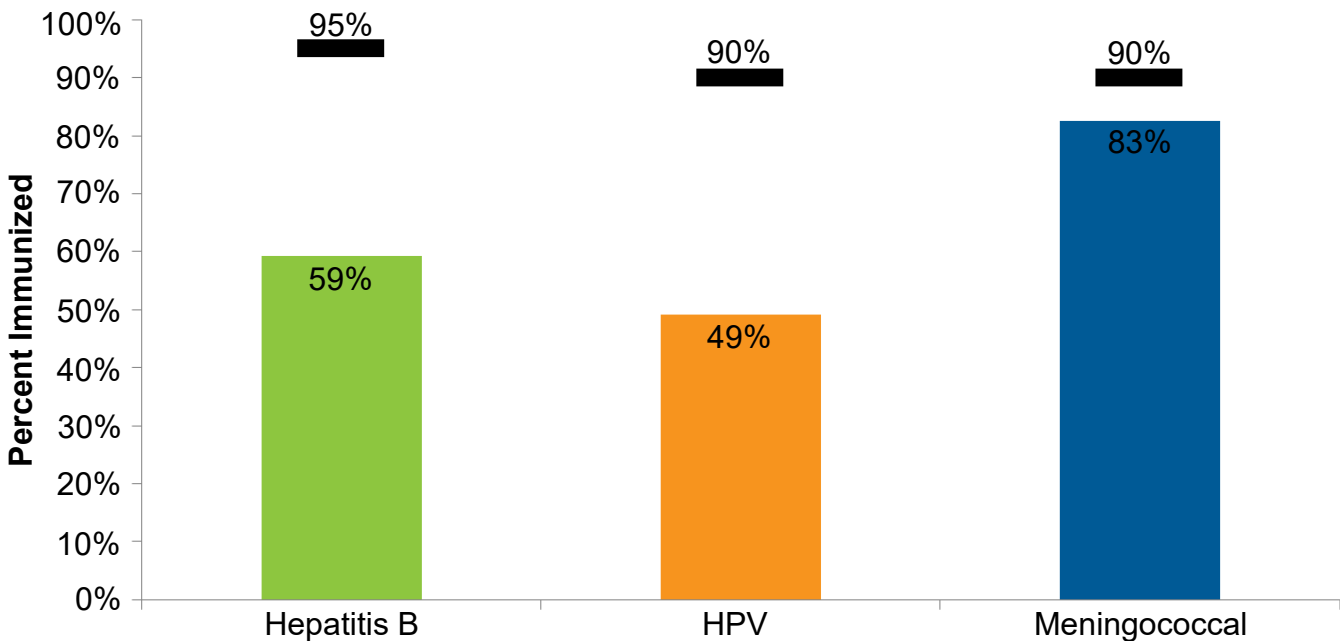


Figure 3. Percentage of students born in 2004 that have completed vaccination for each disease, with provincial targets. Source: PEAR, accessed July 10, 2017.

- Hepatitis B (59% immunized) is 36% below the target immunization rate
- HPV (49% immunized) is 41% below the target immunization rate
- Meningococcal disease (83% immunized) is the only of the 3 school programs that is approaching the immunization coverage target; it is 7% below the target immunization rate

## GRADE 7 SCHOOL IMMUNIZATION PROGRAM BY DISEASE

### HEPATITIS B

- Immunization among 12-year olds has dropped by 5% from the 2015-2016 school year, and 4% since 2013-2014
- The immunization rate observed in HPEC is below the provincial target coverage of 95%

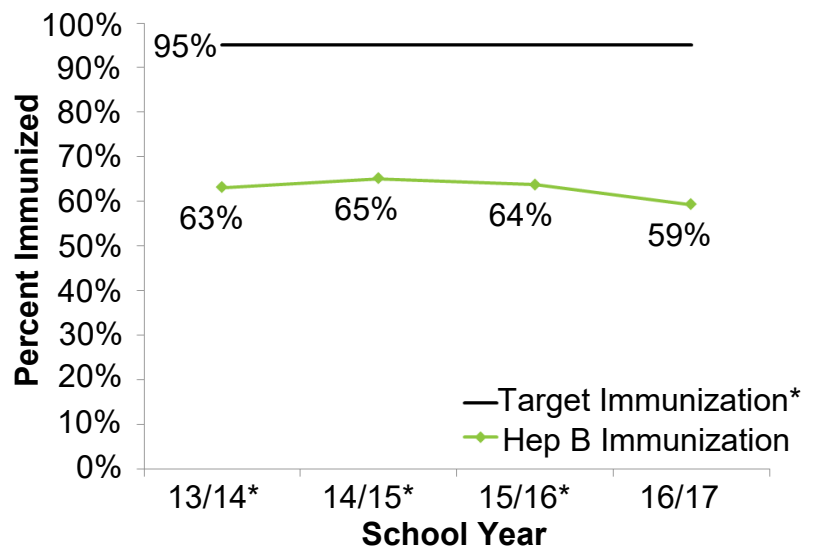


Figure 4. Percentage of students born in 2004 that have completed vaccination for hepatitis B as reported in Panorama. Source: PEAR, accessed July 10, 2017.

## HUMAN PAPILLOMA VIRUS (HPV)

- Immunization among 12-year olds has decreased by 3% from the 2015-2016 school year, and 10% since 2013-2014
- The rate of immunization in HPEC is still below the provincial target of 90%

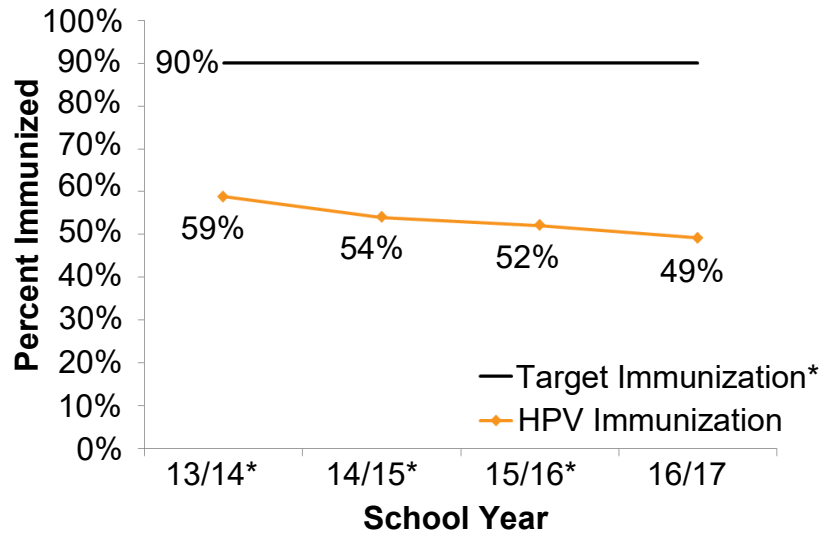


Figure 5. Percentage of students born in 2004 that have completed vaccination for HPV as reported in Panorama. Source: PEAR, accessed July 10, 2017.

## MENINGOCOCCAL DISEASE

- Immunization among 12-year olds has increased 4% from the 2015-2016 school year, and 12% since 2013-2014
- The immunization rate in HPEC is approaching the provincial target of 90%

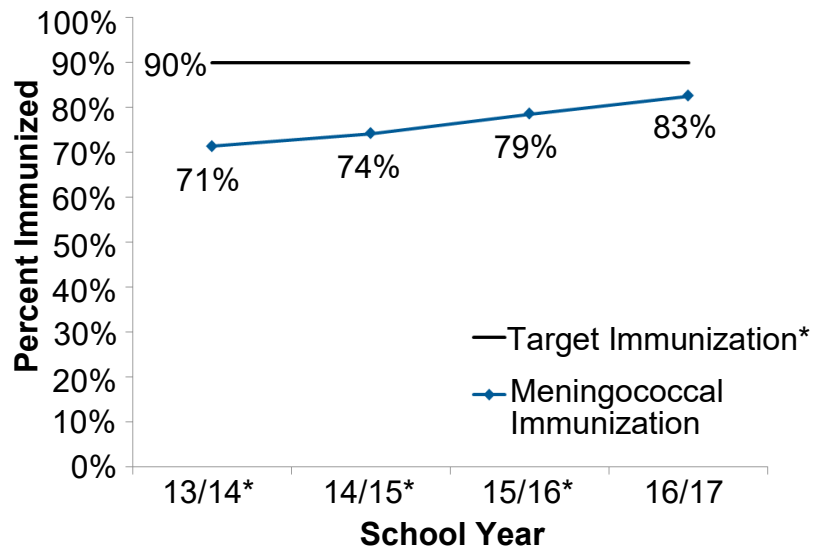


Figure 6. Percentage of students born in 2004 that have completed vaccination for meningococcal disease (MCV4) as reported in Panorama. Source: PEAR, accessed July 10, 2017.

## NOTES

Panorama is a provincial web-based information system that stores immunization coverage data. Panorama Enhanced Analytical Reporting (PEAR) is an extension of Panorama that uses software to extract data and generate reports from Panorama.

\*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 and 2015–16 school years. Toronto, ON: Queen's Printer for Ontario; 2017.

### For more information:

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