

# Immunization Coverage Prior to Grade 1 Entry – 2018-19

## Population

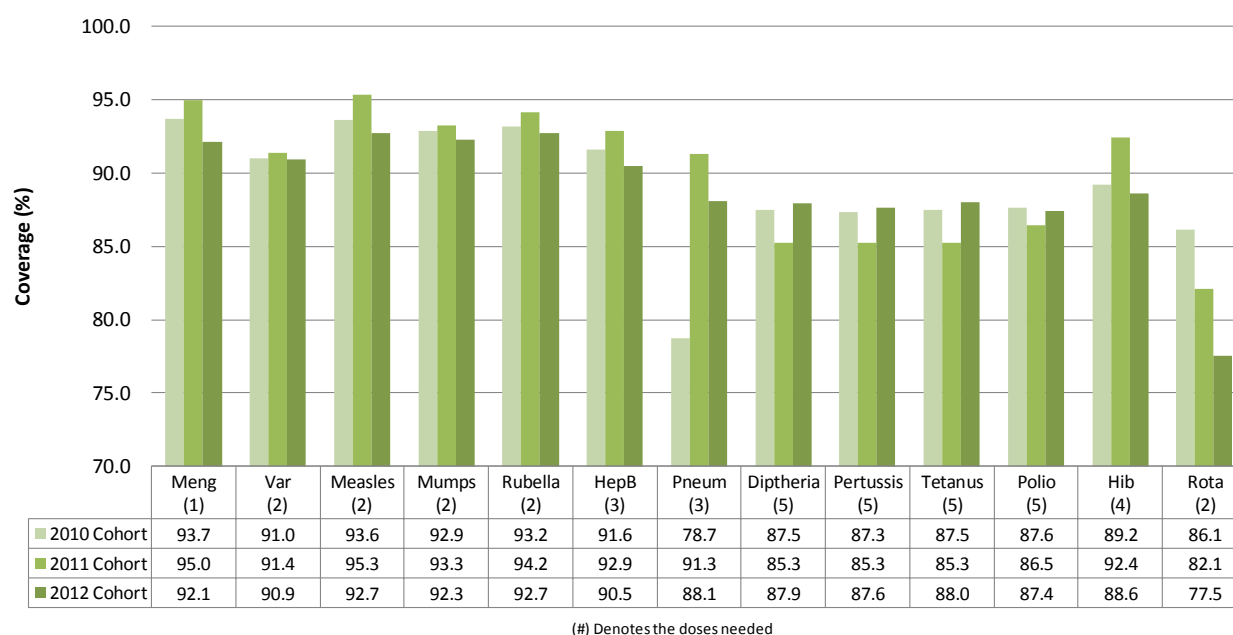
The children included in these analyses are those who were registered in Grade 1 in the 2018-19 school year in PEI. This group is referred to as the “2012 cohort.”

## PEI Guidelines

The [PEI immunization guidelines](#) for the 2012 cohort recommend the following vaccine antigens prior to Grade 1 entry: diphtheria (5 doses), tetanus (5 doses), pertussis (5 doses), polio (5 doses), *Haemophilus influenzae* type b (4 doses), hepatitis B (3 doses), measles (2 doses), mumps (2 doses), rubella (2 doses), varicella (2 doses), pneumococcal (3 doses), meningococcal C (1 dose), and rotavirus (2 doses). Through the use of combination vaccine products, the recommended antigens can be administered through a total of 14 immunizations.

Immunization coverage prior to Grade 1 entry is shown by antigen below. Coverage in the 2012 cohort ranged from 77.5% (2 doses of rotavirus) to 92.7% (2 doses of each measles and rubella). Immunization coverage by antigen has varied between the 2010 to 2012 cohorts. Compared to the 2011 cohort, coverage within the 2012 cohort was significantly lower statistically for 5 of the 13 antigens; specifically, meningococcal C, measles, pneumococcal, *Haemophilus influenzae* type b (Hib), and rotavirus.

## Immunization Coverage by Antigen Prior to Grade 1 Entry, PEI Guidelines, 2010 - 2012 Cohorts



## Note

Immunization coverage may be underestimated when immunization records for children who resided out of province (OOP) are not provided to Health PEI Public Health Nursing (PHN). These children may have adequate immunization coverage but will appear to be un- or under-immunized. In the 2012 cohort, OOP immunization records of at least 39 children were not provided to PHN. A process has been implemented to assist PHN to establish immunization services for children who move to PEI.

# Immunization Coverage in Grade 6 Students – 2018-19

## Population

The children included in these analyses are those who were registered in Grade 6 in the 2018-19 school year in PEI.

## PEI Guidelines

The [PEI immunization guidelines](#) recommend HPV (human papillomavirus) vaccination (2 doses) for children in Grade 6.

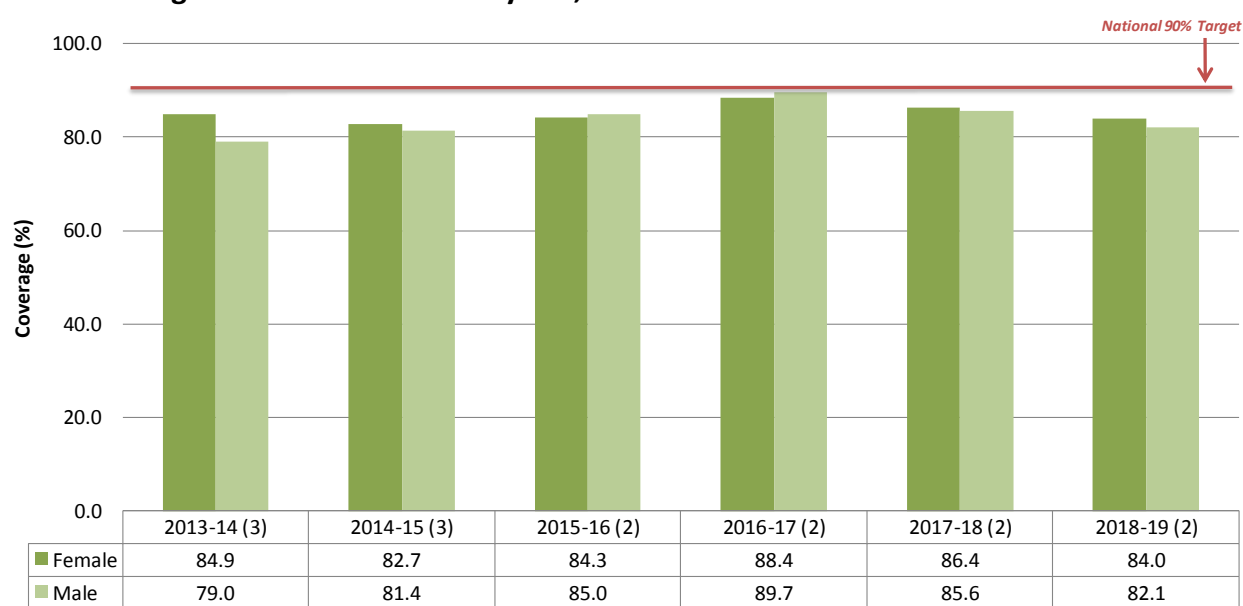
## National Vaccination Coverage Goals

The national vaccination coverage goals outlined in the National Immunization Strategy are used as the benchmark by which PEI immunization coverage in Grade 6 students is judged. The national goals indicate that by 2025, 90% of children should receive the required doses of the HPV vaccine (per the provincial or territorial schedule) by their 17<sup>th</sup> birthday.<sup>1</sup>

## Immunization Coverage in Grade 6 Students

Immunization coverage among PEI students in Grade 6 is shown below. HPV vaccine coverage in the 2018-19 school year was 84.0% for female students and 82.1% for male students. Over the last three school years, HPV vaccine coverage has decreased for both female and male students.

### HPV Coverage in Grade 6 Students by Sex, 2013-14 to 2018-19



(#) Denotes the doses needed

## References

1. Canada, P. H. A. of. Vaccination Coverage Goals and Vaccine Preventable Disease Reduction Targets by 2025. *aem* (2017). Available at: <https://www.canada.ca/en/public-health/services/immunization-vaccine-priorities/national-immunization-strategy/vaccination-coverage-goals-vaccine-preventable-diseases-reduction-targets-2025.html>. (Accessed: 4th May 2018)

# Immunization Coverage in Grade 9 Students – 2018-19

## Population

The children included in these analyses are those who were registered in Grade 9 in the 2018-19 school year in PEI.

## PEI Guidelines

The [PEI immunization guidelines](#) recommend two immunizations for children in Grade 9: Tdap (tetanus, diphtheria, and pertussis) (1 dose), and meningococcal A, C, Y and W-135 conjugate (1 dose).

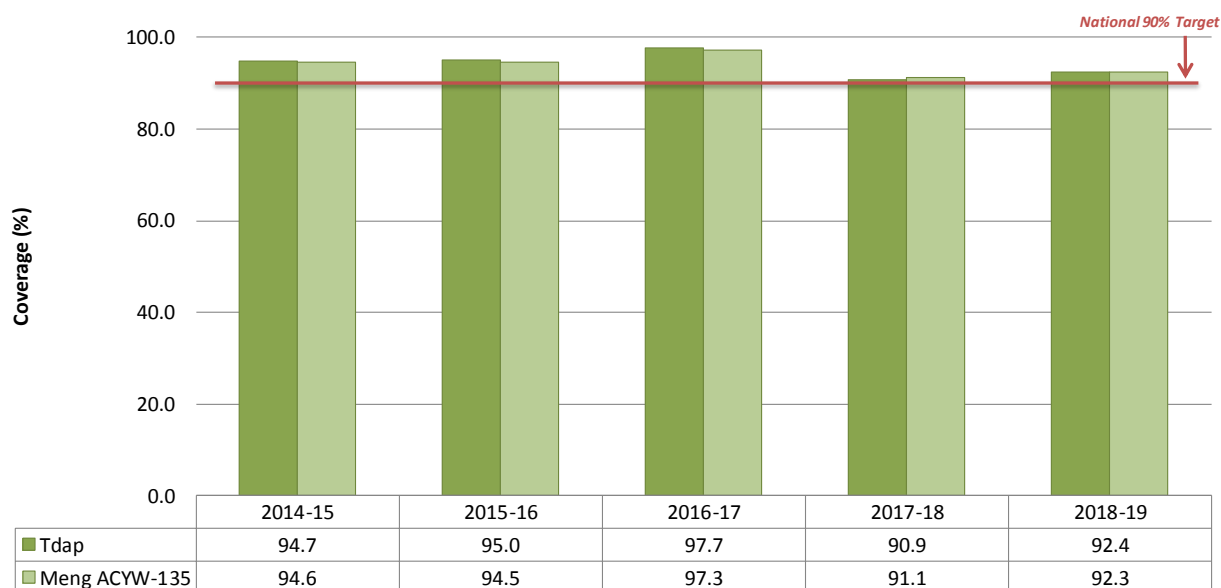
## National Vaccination Coverage Goals

The national vaccination coverage goals outlined in the National Immunization Strategy are used as the benchmark by which PEI immunization coverage in Grade 9 students is judged. The national goals indicate that by 2025, 90% of children should receive adolescent meningococcal conjugate (1 dose) and Tdap (1 dose) by their 17<sup>th</sup> birthday.<sup>1</sup>

## Immunization Coverage in Grade 9 Students

Immunization coverage among PEI students in Grade 9 is shown below. Coverage in the 2018-19 school year was 92.3% for meningococcal A, C, Y and W-135 conjugate and 92.4% for Tdap. Immunization coverage exceeded the national target of 90% for both vaccines. Compared to the previous school year, coverage was similar for both vaccines.

### Tdap and Meningococcal ACYW-135 Coverage in Grade 9 Students, 2014-15 to 2018-19



## References

1. Canada, P. H. A. of. Vaccination Coverage Goals and Vaccine Preventable Disease Reduction Targets by 2025. *aem* (2017). Available at: <https://www.canada.ca/en/public-health/services/immunization-vaccine-priorities/national-immunization-strategy/vaccination-coverage-goals-vaccine-preventable-diseases-reduction-targets-2025.html>. (Accessed: 4th May 2018)