

# Two dose measles coverage among 7-year-olds (percentage)

## Alternate Name\*

Percentage of 2- dose measles coverage among 7-year-olds, in Ontario, school year

## INDICATOR DESCRIPTION

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### Description\*

This indicator measures the percentage of 7-year-olds who have received two valid doses of measles-containing vaccine or have documented evidence of immunity against measles at the conclusion of the school year (August 31st). Valid doses refer to doses of measles-containing vaccine that were given in accordance with the following criteria: First valid dose administered on or after the first birthday and received on the same day or at least 28 days after any preceding live virus vaccine. Second valid dose administered at least 28 days after any preceding measles-containing vaccine (or any other live virus vaccine).  
A higher percentage is better

### Indicator Status\*

Active

### HQO Reporting tool/product

Public reporting

### Dimension\*

Effective

Timely

### Type\*

Outcome

## DEFINITION AND SOURCE INFORMATION

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### Unit of Measurement\*

Percentage

### Calculation Methods\*

Numerator divided by the denominator times 100

### Numerator including inclusion/exclusion\*

The number of students who have received two valid doses of measles-containing vaccine or have a documented exemption on the basis of evidence of immunity against measles by August 31, 2019 for the 2018-19 school year.

### Denominator including inclusion/exclusion\*

The number of 7-year-old students with an active client record in the Digital Health Immunization Repository (DHIR) and with at least one school record during the 2018-19 school year. The 7-year-old birth cohort is defined as those students in DHIR who have turned 7 years of age by December 31, 2019.

### Adjustment (risk, age/sex standardization)- detailed

NA

### Data Source

MOHLTC, Digital Health Immunization Repository

### Data provided to HQO by

Public Health Ontario (PHO)

### Reported Levels of comparability /stratifications (defined)

Public health units

Public health regions

Province

Other

Time

## OTHER RELEVANT INFORMATION

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### Caveats and Limitations

Immunization coverage may be under-estimated if immunizations received by Ontario students are not reported to Ontario public health units for subsequent data capture within the DHIR. Not all clients were assigned to a health region, as a results provincial estimates and denominators by region differ from those by PHU.

### Comments Detailed

Public health unit and region -specific estimates can be compared across the 2013-14 to 2018-19 school years. Due to the change in the immunization information system (from IRIS to Panorama) and the change in methodology used to assess immunization coverage starting in the 2013-14 school year, coverage estimates prior to the 2013-14 school year cannot be directly compared to assessments of immunization coverage. Inter-provincial comparisons are possible, where immunization coverage is publicly-reported and up -to-date coverage methodology is used. International comparisons are also possible, although the methodology for coverage assessment (i.e. survey, registry, administrative billing data) will vary.

### Footnotes

Plans-Rubió P. Evaluation of the establishment of herd immunity in the population by means of serological surveys and vaccination coverage. Human Vaccin Immunother. 2012;8(2):184-8. Immunization of School Pupils Act, RRO 1990, c Reg.645. Available from: <https://www.ontario.ca/laws/regulation/900645>

## TAGS

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### TAGS\*

Other  
Outcome  
Population Health  
Prevention / Screening  
Effective  
Timely  
MOHLTC, Digital Health Immunization Repository

## PUBLISH

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### PUBLISH DATETIME\*

23/06/2020 14:16:00