

Kindergarten Students with Up-to-date Immunizations, British Columbia

Data are submitted by Health Service Delivery Areas and/or Health Authorities. Data for 2002 and 2003 were compiled by Population Health and Wellness Division, BC Ministry of Health Services. Data for 2004 onward were compiled by Epidemiology Services, BC Centre for Disease Control.

Up-to-date for age definitions

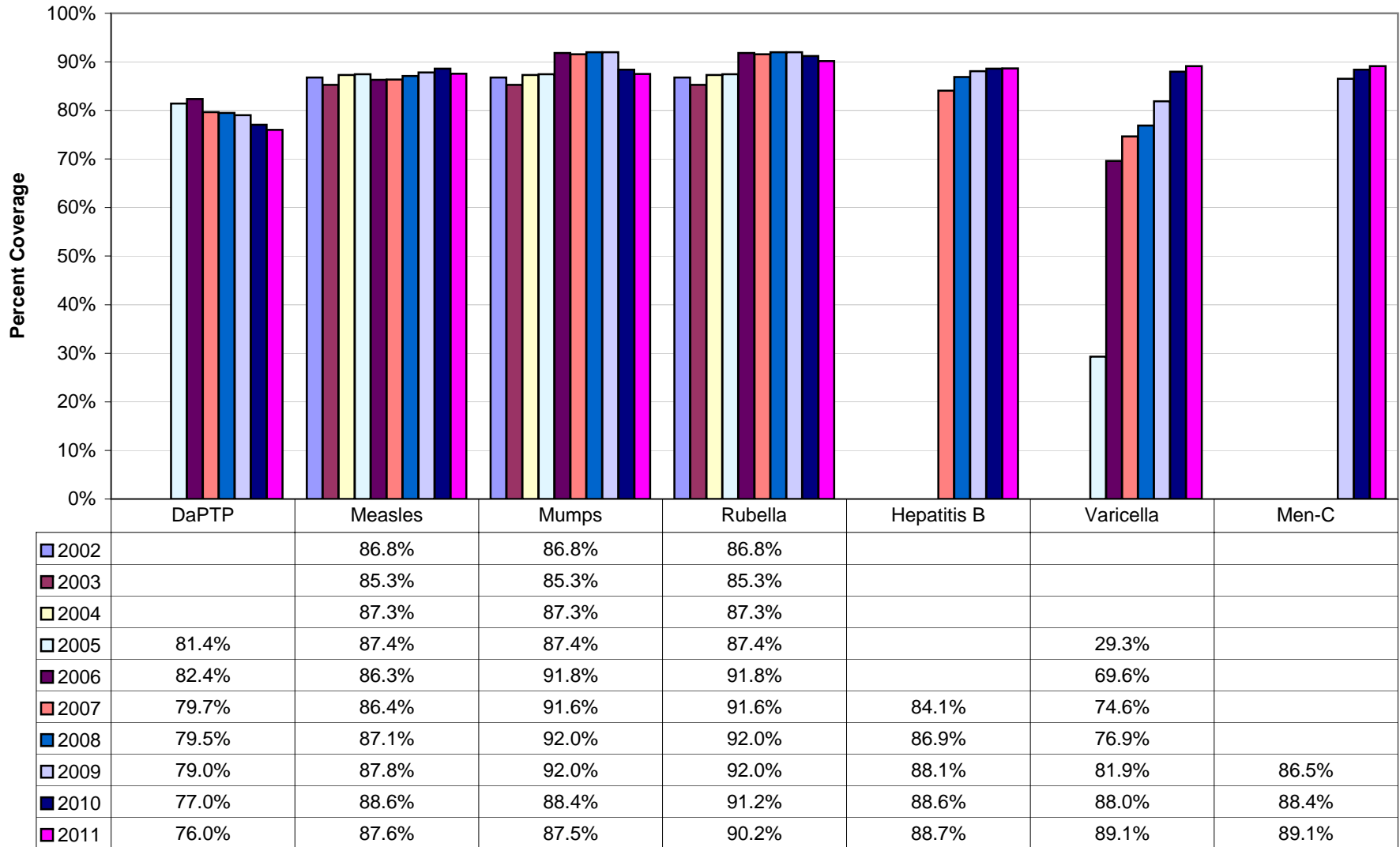
DaPTP	<p>The proportion of students enrolled in Kindergarten as of June 30 who received their fourth or fifth dose of diphtheria/acellular pertussis/tetanus/polio vaccine after their fourth birthday and by June 30 of the specified year.</p> <p>NOTE: The fifth dose of DaPTP is scheduled to be given between the fourth and seventh birthday. Some children who have not received the fifth dose by Kindergarten may still receive this dose on time (before their seventh birthday).</p> <p>NOTE: In 2005, the definition of up-to-date for age for DaPTP was changed to specify that the fourth or fifth dose of DaPTP vaccine must have been received after the fourth birthday to be counted as up-to-date for age. This revision to the definition resulted in the proportions of children "up-to-date for age" for DaPTP in 2005 and later years not being comparable to previous years.</p>
Measles	<p>The proportion of students enrolled in Kindergarten as of June 30 who received two valid doses of measles-containing vaccine by June 30 of the specified year.</p> <p>NOTE: In 2006, the definition of up-to-date for age for mumps/rubella (requiring 1 dose) was separated from measles (requiring 2 doses). The definition used for measles/mumps/rubella in previous years was "The proportion of students enrolled in Kindergarten as of June 30 who received two valid doses of measles/mumps/rubella vaccine by June 30 of the specified year".</p>
Mumps	<p>The proportion of students enrolled in Kindergarten as of June 30 who received two valid doses of mumps-containing vaccine by June 30 of the specified year.</p> <p>NOTE: In 2006, the definition of up-to-date for age for mumps/rubella (requiring 1 dose) was separated from measles (requiring 2 doses). The definition used for measles/ mumps/ rubella in previous years was "The proportion of students enrolled in Kindergarten as of June 30 who received two valid doses of measles/mumps/rubella vaccine by June 30". From 2006 to 2009, the definition used for mumps/rubella was "The proportion of students enrolled in Kindergarten as of June 30 who received one valid dose of mumps- and rubella-containing vaccine". This revision to the definition resulted in the proportions of children up-to-date for age for mumps/rubella being higher in 2006 than the proportions up-to-date for age for measles/ mumps/ rubella in previous years. In 2009, the immunization policy changed to require 2 doses of mumps-containing vaccine and assessment of coverage for mumps was separated from rubella. This revision to the definition resulted in the proportions of children up-to-date for age for mumps being lower in 2010 and later than the proportions up-to-date for age for mumps/rubella in previous years.</p>
Rubella	<p>The number of students enrolled in kindergarten as of June 30 who received at least one valid dose of rubella-containing vaccine by June 30 of the specified year.</p> <p>NOTE: In 2006, the definition of up-to-date for age for mumps/rubella (requiring 1 dose) was separated from measles (requiring 2 doses). The definition used for measles/mumps/rubella in previous years was "The proportion of students enrolled in Kindergarten as of June 30 who received two valid doses of measles/mumps/rubella vaccine by June 30 of the specified year". The revisions to the definition may result in the proportions of children "up-to-date for age" for mumps/rubella being higher in 2006 and later years than the proportions up-to-date for age for measles/mumps/rubella in previous years. In 2009, the immunization policy changed to require 2 doses of mumps-containing vaccine and assessment of coverage for mumps was separated from rubella.</p>

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- Hepatitis B** The number of students enrolled in kindergarten as of June 30 who completed a 3-dose series of hepatitis B vaccine by June 30 of the specified year.
- Varicella (Chickenpox)** The proportion of students enrolled in Kindergarten as of June 30 who reported a previous history of varicella disease (chickenpox) or shingles or who received one dose of varicella vaccine by June 30 of the specified year. Children who had previous varicella disease or shingles are considered protected against future varicella disease and do not require vaccination.
NOTE: In 2005, up-to-date for varicella was measured as "The proportion of students enrolled in Kindergarten as of June 30 who had no prior history of varicella or zoster disease and received one dose of varicella vaccine by June 30 of the specified year." Estimates from serosurveys carried out prior to varicella vaccine introduction indicate that approximately 48-55% of 5-year-olds are susceptible to varicella and are therefore eligible for vaccine. Since children protected by previous disease were not included in the 2005 definition, the proportion of children "up-to-date for age" for varicella was lower than in subsequent years.
NOTE: Information requested regarding previous varicella disease or vaccination was not reported completely by parents in early years of the program. As a result, the proportions of children protected against varicella are likely underestimates.
- Men-C** The proportion of students enrolled in Kindergarten as of June 30 who received 1 dose of meningococcal C conjugate vaccine on or after 12 months of age.
NOTE: Infants born on or after July 1, 2002 were the first cohort eligible for one dose of men C at 12 months, 2008 is the first Kindergarten cohort for data collection.

Data may not be comparable by Health Authority and from year to year due to ongoing changes in data collection methods and changes in geographic health area boundaries. However, assuming consistency in reporting practices, overall trends in immunization coverage can be assessed by examining these data.

**Kindergarten Students with Up-to-date Immunizations
British Columbia, 2002-2011**



NOTE: See definitions and notes on previous pages.