

Immunization Goals and Objectives

Revision Date: June 2024

Immunization Coverage Rates

See Alberta interactive Health Data Application for current Alberta immunization coverage rates for children and influenza http://www.ahw.gov.ab.ca/IHDA_Retrieval/.

Goals and Objectives

National goals and targets^{1,2,3} for immunization have been adopted as standards in Alberta. These goals and targets form the basis for Alberta's immunization goals and objectives.

Cohort	Vaccine	Target
Newborn	HBIG and Hepatitis B vaccine	➤ 100% of infants born to hepatitis B positive mothers will have received hepatitis B immune globulin within 12 hours of birth and 3 doses of hepatitis B vaccine by 7 months of age. ^{1,4}
By 12 months of age	DTaP-IPV-HIB, Men-C, Pneu-C	➤ 95% of children will have received: <ul style="list-style-type: none"> • Three doses of diphtheria, tetanus and pertussis vaccine.³ • At least 2 doses of polio vaccine. • Three doses of <i>Haemophilus influenzae</i> type b vaccine. • One dose of meningococcal conjugate C vaccine. • Two doses of pneumococcal conjugate vaccine.
	Rotavirus	➤ 80% of children will have received a complete series of rotavirus vaccine. ^{5,6}
By 24 months of age	DTaP-IPV-HIB-HB, Men-C, Pneu-C	➤ 95% of children will have received: ³ <ul style="list-style-type: none"> • Four doses of diphtheria, tetanus and pertussis vaccine. • At least 3 doses of polio vaccine. • Age-appropriate <i>Haemophilus influenzae</i> type b vaccine. • Three doses of hepatitis B (HB) vaccine. • Age-appropriate (1 or 2 doses) meningococcal C conjugate vaccine. • Age-appropriate (2 or 3 doses) of pneumococcal conjugate vaccine.
	Measles, Mumps, Rubella, and Varicella	➤ 95% of children will have received 2 dose of measles, mumps, rubella and varicella vaccine. ³ <ul style="list-style-type: none"> • This immunization coverage rate is then re-assessed by age seven, thirteen and seventeen to align with when immunization services are offered through the school immunization program.
	Influenza	➤ 80% of children age 6–59 months will receive annual influenza vaccine. ⁸
By the seventh birthday <i>(or end of Gr. 1)</i>	DTaP-IPV or dTap-IPV	➤ 95% of students will have received: <ul style="list-style-type: none"> • Age-appropriate immunization for diphtheria, tetanus and pertussis vaccine.² • Age-appropriate immunization for polio vaccine.³
By the thirteenth birthday <i>(routinely offered in Gr. 6)</i>	Hepatitis B (HBV)	➤ 90% of students will have received age-appropriate series of hepatitis B vaccine. ³
	HPV	➤ 90% of students will have received age-appropriate series of HPV vaccine. ³

Immunization Goals and Objectives

By the seventeenth birthday <i>(routinely offered in Gr. 9)</i>	dTap	➤ 90% of students will have received a booster dose of diphtheria, tetanus and pertussis vaccine. ³
	Hepatitis B	➤ 90% of students will have received age-appropriate series of hepatitis B vaccine. ³
	HPV	➤ 90% of students will have received age-appropriate series of HPV vaccine. ³
	MenC-ACYW	➤ 90% of students will have received meningococcal conjugate A, C, Y, W-135 vaccine. ³
Health care workers (HCW)	Rubella	➤ 100% of HCW with face-to-face contact with patients in a health facility will be immunized against rubella. ⁷
	Varicella	➤ 100% of susceptible HCW will receive varicella vaccine. ²
	Hepatitis B	➤ 90% of HCW will receive of hepatitis B vaccine. ³
	Influenza	➤ 80% of Covenant Health and AHS HCW will receive influenza vaccine annually. ³
Post-partum women	Rubella	➤ 99% of susceptible post-partum women without evidence of immunity will receive rubella vaccine. ²
	Varicella	➤ 100% of susceptible post-partum women without evidence of immunity will receive varicella vaccine. ²
Staff of day care facilities	Rubella	➤ 100% will receive rubella immunization. ⁷
Adults 65 years of age and older	Influenza	➤ 80% of adults 65 years and older will receive influenza vaccine annually. ³
	Pneumo-P	➤ 80% of individuals will receive one dose of pneumococcal vaccine. ³
Influenza vaccine (specific targets)		<ul style="list-style-type: none"> ➤ 80% of adults 65 years and older will receive influenza vaccine annually.³ ➤ 95% of residents of long term care facilities will receive influenza vaccine annually.^{2,8} ➤ 80% of Covenant Health and AHS HCW will receive influenza vaccine annually.³ ➤ 80% of children age 6–59 months will receive annual influenza vaccine.⁸ ➤ 80% of individuals in high-risk populations will receive influenza vaccine annually.^{3,8} <p>(High risk population - refer to the definitions in the Alberta Influenza Immunization Policy)</p>

The level of immunization coverage is based on the level of population protection required for measles, the most easily-spread vaccine preventable disease.³

Immunization Goals and Objectives

References

- ¹ Public Health Agency of Canada. (2006). Canadian national report on immunization. *Canada Communicable Disease Report*, 32S3. www.phac-aspc.gc.ca/publicat/ccdr-rmtc/06vol32/32s3/index-eng.php.
- ² Public Health Agency of Canada. (2005). Final report to outcomes from the National Consensus Conference for vaccine-preventable diseases in Canada. *Canada Communicable Disease Report*, 34S2. www.phac-aspc.gc.ca/publicat/ccdr-rmtc/08pdf/34s2-eng.pdf.
- ³ Vaccination Coverage Goals and Vaccine Preventable Disease Reduction Targets by 2025. (May 2021). National Immunization Strategy 2016-2021. Public Health Agency of Canada. <https://www.canada.ca/en/public-health/services/immunization-vaccine-priorities/national-immunization-strategy/vaccination-coverage-goals-vaccine-preventable-diseases-reduction-targets-2025.html>
- ⁴ National Advisory Committee on Immunization. *Canadian Immunization Guide* (Evergreen ed.). Ottawa, ON: Public Health Agency of Canada. www.canada.ca/en/public-health/services/canadian-immunization-guide.html.
- ⁵ World Health Organization. (2013). Global Vaccine Action Plan 2011-2020. www.who.int/immunization/global_vaccine_action_plan/GVAP_doc_2011_2020/en/.
- ⁶ Office of Disease Prevention and Health Promotion, U.S. Department of Health and Human Services. Immunization and Infectious Diseases. www.healthypeople.gov/2020/topics-objectives/topic/immunization-and-infectious-diseases/objectives.
- ⁷ Province of Alberta. (2014). *Communicable Diseases Regulation*, Alta. Reg. 238/1985. canlii.ca/t/52768.
- ⁸ Province of Alberta. (2020) Alberta Influenza Immunization Policy. <https://open.alberta.ca/dataset/alberta-influenza-immunization-policy>