

Measles, Mumps and Rubella (MMR) Immunization Coverage, Saskatoon Health Region

MANDATORY FIELDS for Data Provider	
Business Metadata	Response
Title	Measles Mumps and Rubella percent immunization coverage at 2 years of age
Short Title	MMR percent coverage at 2 years
Original Source (Creator)	Ministry of Health
Maintenance Agency	Saskatoon Health Region
Suggested Citation	Saskatoon Health Region
Generation Frequency	Annual
Time Coverage	Calendar year
Spatial Coverage (Geography)	Saskatoon neighbourhood
Full Description	<p>Coverage is expressed as the percent of children in 2009 who received the recommended number of doses for measles, mumps and rubella (MMR) by or before 2 years of age.</p> <p>The percentage is described as the numerator divided by the denominator, multiplied by 100. The numerator consists of all children with active Personal Registry System (PRS) status in SIMS (Saskatchewan Immunization Management System), reaching two years of age in the calendar year who received two doses of MMR. The denominator is the number of children who turned two in the same calendar year who have active PRS status in SIMS.</p>
Short Description (Abstract)	2 year MMR coverage (see CVC website Resource Catalogue metadata)
Resource Purpose(s)/ Objective(s)	Immunization is a recognized indicator of population health and health system performance. In Canada most jurisdictions are far from the national immunization goals and targets. Within Saskatoon Health Region there are disparities in immunization coverage rates between rural and urban areas and from neighbourhood to neighbourhood.
Limitations	<p>Children immunized in First Nations clinics may not be updated in SIMS and this may lead to an underestimation of coverage rates in some neighbourhoods. This underestimation is believed to be small.</p> <p>In 2009 data entry procedures for H1N1 mass immunization clinics resulted in a significant number of incomplete client records being entered into SIMS. These incomplete records may artificially suppress reported coverage rates by 1-2% for 2009/2010.</p>
Usage Considerations	Disparities in neighbourhood coverage percentages may not be statistically significant. Confidence intervals are not presented. Contact resource administrator for further information.
Policy and Legislation Issues	
Privacy Level	Public distribution
Keywords and Phrases	Immunization coverage, MMR, preschool vaccination coverage
References	
Suggested CVC Category(s)	Health; Healthy Child Development
Suggested CVC Subcategory(s)	Immunization

OPTIONAL FIELDS for Data Provider	
Business Metadata	Response
Alternative Source(s) and Comparative Indicator(s) if applicable	
Derived Variables	
Numerator Description	
Original Source	
Maintenance Agency	
Suggested Citation	
Denominator description	The denominator is the number of Active status SIMS registered Children who lived in a neighbourhood and turned two years of age within the calendar year. Neighbourhood of residence was based on their postal code as recorded in SIMS. Children with missing postal codes were not included in neighbourhood level statistics in either the numerator nor the denominator since no neighbourhood could be assigned. The Number of Active status children with missing postal codes is usually small, as an example in 2009 - 132 of 4083 PRS Active clients lacked postal code data in SIMS
Original Source	Ministry of Health
Maintenance Agency	Saskatoon Health Region
Suggested Citation	Saskatoon Health Region
Method of Calculation	The number of children with active PRS status registered in SIMS who turned two in 2009 in a given neighbourhood and received two doses of MMR on or before their Birthday, divided by the number of children with active PRS status registered in SIMS who turned two in 2009 in a given neighbourhood.