

Mumps

Fourteen confirmed mumps cases were reported in 2015 (0.30 per 100,000 population), fewer than the 23 mumps cases in 2014. Cases were reported from 3 of the 5 regional Health Authorities. More cases were male (n=9, 64%) than female (n=5, 36%). All cases were adults, and the median age of cases was 26. This age distribution is compatible with mumps epidemiology in Canada in the past decade and reflects susceptibility in adults too old to have received two doses of mumps containing vaccine in childhood and too young to be protected by prior mumps infection.

Half of the cases had travel histories compatible with acquisition outside of Canada, one case was related to household transmission, and the source for the remaining 6 cases was unknown.

Five cases had a history of prior receipt of one dose of mumps containing vaccine, one case of two doses, one case gave a history of childhood vaccination but without documentation, and 7 cases had unknown

immunization history. No cases were hospitalized and no serious complications were reported.

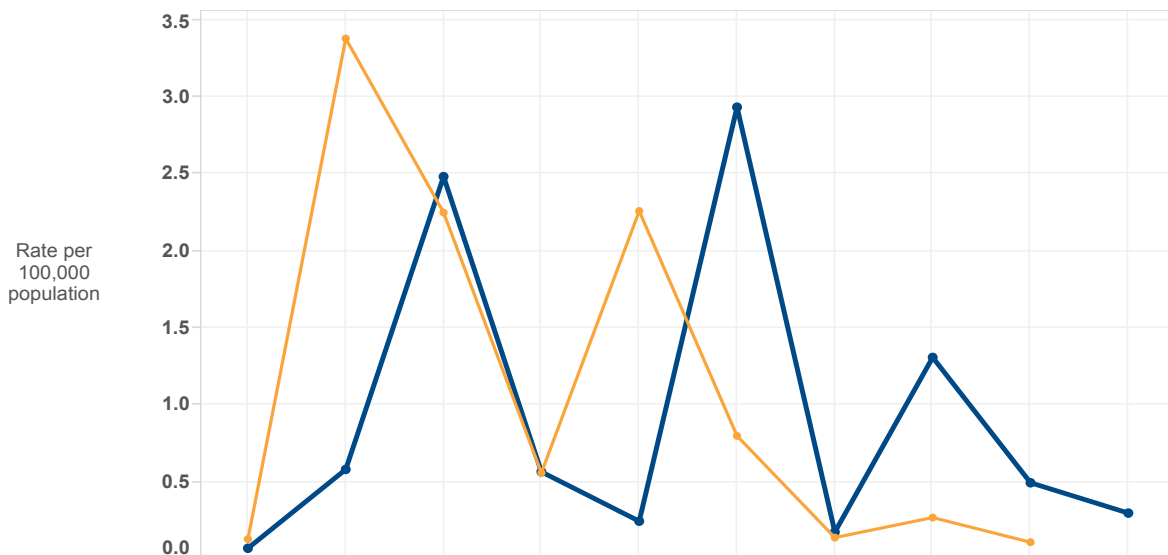
Eight cases (57%) were PCR confirmed, four cases (29%) were IgM confirmed with history of travel, one case (6%) was confirmed by IgG seroconversion and one case (6%) was epidemiologically linked to a laboratory confirmed case. Genotype was determined for 7 cases: 3 K, 2 G, 1 F, and 1 C. Genotype G was the predominant genotype in Europe and North America from 2005 to 2011 and is endemic in BC. Cases with other genotypes are attributed to importation.

Global distribution of mumps genotypes is available at

http://www.who.int/immunization/monitoring_surveillance/burden/vpd/surveillance_type/passive/mumps/en/

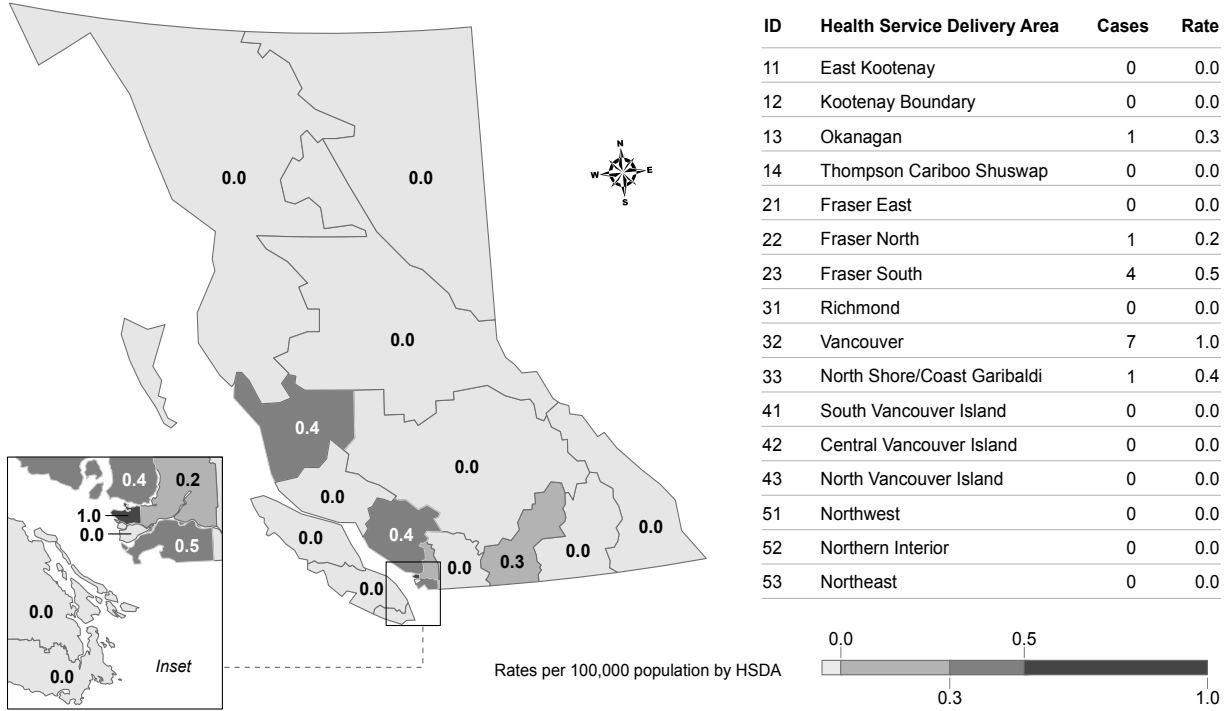


27.1 Mumps Rates by Year 2006-2015



	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Reports	3	25	108	25	11	132	8	60	23	14
BC Rate	0.07	0.58	2.48	0.57	0.25	2.93	0.18	1.31	0.50	0.30
Canadian Rate	0.13	3.38	2.25	0.56	2.26	0.80	0.14	0.27	0.11	-

27.2 Mumps Rates by HSDA 2015



27.3 Mumps Rates by Age Group and Sex, 2015

