

4-STRAIN INFLUENZA VACCINE

AVAILABLE THIS FLU SEASON IN PUBLIC HEALTH PROGRAMS

WHAT YOU NEED TO KNOW

WHAT IS INFLUENZA B?

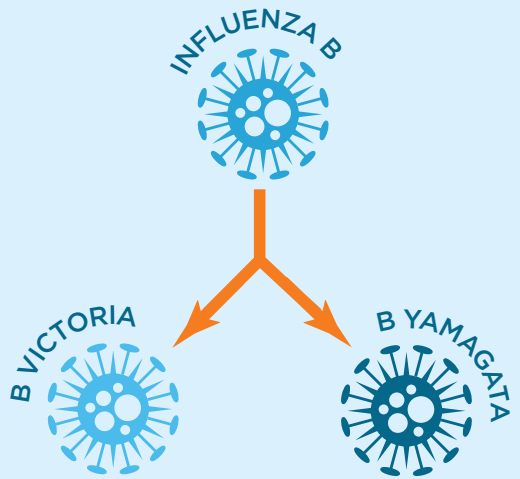
FOR ALMOST 4 DECADES, trivalent influenza vaccines (TIV) have offered protection against 3 different influenza virus strains -

2 influenza A
1 influenza B^{1,2}

Approximately **15-25%** of hospital admissions and deaths related to influenza are attributable to influenza B strain⁵

IN CANADA, some flu seasons see **rates of circulation** of influenza B strains ranging from as low as 0.8% to as high as **67%**^{5,6}

In the 1980s, the **influenza B virus split** into 2 distinct lineages which now cocirculate worldwide^{3,4}



HIGH-RISK GROUPS

13.7 million Canadians

with chronic health conditions such as



ASTHMA, DIABETES & HEART DISEASE have the highest risk for influenza complications^{8,9,10,11}

FOR CHILDREN, **influenza is more dangerous**

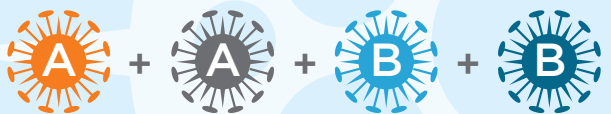
than the common cold, especially for those under the age of 2¹²

90% of influenza-related deaths occur in seniors¹³

WHY 4-STRAIN INFLUENZA VACCINE?

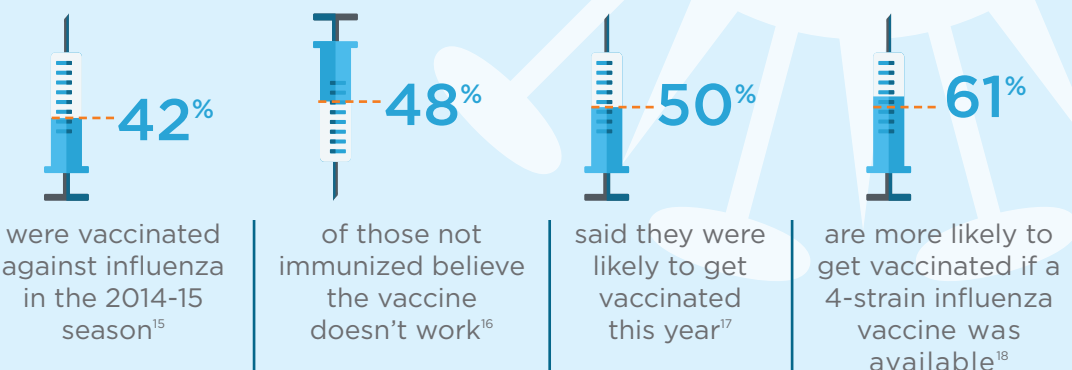
Between 2001 and 2013, there has been a **MISMATCH** between the B strain in the vaccine and the circulating B strain more than **50% OF THE TIME**.¹⁴ This mismatch is what led to the development of a 4-strain, or quadrivalent, influenza vaccine (QIV).

QIV HELPS PROTECT AGAINST **4 different influenza virus strains** - 2 influenza A strains and 2 influenza B strains - versus the traditional 3-strain vaccines



4-STRAIN INFLUENZA VACCINE COULD INCREASE INFLUENZA IMMUNIZATION RATES

IN AN ONLINE SURVEY, CANADIANS SAID:



Publicly funded access to QIV varies by province. A full QIV annual universal influenza immunization program is currently accessible to the general population 6 months of age and older in: Manitoba, Yukon Territory, and several Atlantic provinces.

INTERESTED IN QIV? Inquire with your local Public Health authorities regarding vaccine availability in your province.

1. An Advisory Committee Statement (ACS) National Advisory Committee on Immunization (NACI) - Statement on Seasonal Influenza Vaccine for 2014-2015. National Advisory Committee on Immunization (NACI) July 2014. 2. C. Hannoun. The Evolving History of Influenza Viruses and Influenza Vaccines. Expert Rev Vaccines. 2013;12(9):1085-1094. Accessed September 28, 2015. Available at: www.medscape.com/viewarticle/812621. 3. Belshe RB. 2010. The need for quadrivalent vaccine against seasonal influenza. Vaccine. Suppl 4:D45-53. 4. Sanofi Pasteur Introduces 4-Strain Influenza Vaccine in Canada. Sanofi Pasteur. Accessed May 21, 2015. Available at: www.sanofipasteur.ca/node/43601. 5. Literature Review on Quadrivalent Influenza Vaccines. National Advisory Committee on Immunization (NACI) July 2014. Accessed May 26, 2015. Available at: publications.gc.ca/collections/collection_2014/aspc-phac/HP40-117-2014-eng.pdf. 6. An Advisory Committee Statement (ACS) National Advisory Committee on Immunization (NACI) - Statement on Seasonal Influenza Vaccine for 2014-2015. National Advisory Committee on Immunization (NACI) July 2014. 7. 2011-2012 FluWatch: August 12 to August 25, 2012 (Weeks 33 & 34). Public Health Agency of Canada. Accessed August 25, 2015. Available at: www.phac-aspc.gc.ca/fluwatch/11-12/w34_12/index-eng.php. 8. An Advisory Committee Statement (ACS) National Advisory Committee on Immunization (NACI) - Statement on Seasonal Influenza Vaccine for 2014-2015. National Advisory Committee on Immunization (NACI) July 2014. 9. About Diabetes. Canadian Diabetes Association. Available at: www.diabetes.ca/about-diabetes/types-of-diabetes. Accessed August 2015. 10. Statistics. Heart & Stroke Foundation. Available at: www.heartandstroke.com/site/c.ikQLcMWWJE/b.3483991/k.34A8/Statistics.htm. Accessed August 2015. 11. Asthma. Statistics Canada. Available at: www.statcan.gc.ca/tables-tableaux/sum-som/101/cst01/health50a-eng.htm. Accessed August 2015. 12. Children, the Flu, and the Flu Vaccine. Centers for Disease Control and Prevention. Available at: www.cdc.gov/flu/protect/children.htm. Accessed August 2015. 13. Centers for Disease Control and Prevention. Key Facts About Seasonal Flu Vaccine. Available at: www.cdc.gov/flu/protect/keyfacts.htm. Accessed August 2015. 14. An Advisory Committee Statement (ACS) National Advisory Committee on Immunization (NACI) - Statement on Seasonal Influenza Vaccine for 2014-2015. National Advisory Committee on Immunization (NACI) July 2014. 15. Flu Vaccines Survey, June 29-July 2, 2015. Leger, The Research Intelligence Group. Data on file. 16. Ibid. 17. Ibid. 18. Ibid.