



## How the scientific community can support our confidence in vaccine research and testing

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### Abstract:

Vaccination has made an enormous contribution to global and public health. Two major infections, smallpox, and rinderpest have been completely eradicated. Global coverage of vaccination against many important infectious diseases of childhood has been enhanced dramatically. Since the creation of vaccines involves scientists and medical experts from around the world, it usually requires 10 to 15 years of research before the vaccine is made available. The first step of this extensive process involves several years of laboratory research, in which scientists and researchers identify an antigen that can prevent and cure a disease.

Despite these successes, approximately 6.6 million children still die each year and about a half of these deaths are caused by infections, including pneumonia and diarrhoea, which could be prevented by vaccination. Usually, vaccine contains a part of a germ, such as bacteria or virus, that is called an antigen. For the most part, the antigen is usually separated or disabled before it is used to make the vaccine, so there is a chance it can make you sick. Accordingly, antigens are substances, often a protein, that stimulate the body to produce an immune response to protect itself against attacks from future disease exposure.

### Biography:

Raphael Louis, (Global Healthcare Reform Expert), is the Founder, Chairman, President & Chief Executive Officer (CEO) of The Federal Association for the Advancement of Visible Minorities (FAAVM), whereas a NFP Corporation including activities such as the FAAVM Socio Economic Develop-



ment Council (SEDC), which plays a vital portion in the overall mission realization of the organization. He is also Founder/Leader of the National Coalition Party of Canada (NCPC) and believes that most Canadians who are in the slightest degree politically active are inclined to hold one of the two chief political positions common in this country, what we call conservatism or liberalism, thus politically, Canadians are highly divided. Raphael political vision when it comes to issues of finance, immigration, public health, national security, diplomacy, human rights, international trade, foreign direct investment (FDI) and environmental protection, is that first.

### Publication of speakers:

1. Raphael Louis, Effects of home confinement on mental health and lifestyle behaviours during the COVID-19 outbreak: Insight from the "ECLB-COVID19" multi countries survey.
2. Raphael Louis, Asian Journal of Psychiatry, 09 Apr 2020, 52:102066

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