Vaccine Injuries Compensation Programs in Different Countries: A Narrative Review

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INTRODUCTION

Vaccines have been used for hundreds of years to provide immunity to individuals thus expanding herd immunity and improving public health. Naccinations can cause adverse effects such as anaphysiasis, brachial neutilis, vasovagal syncope, shoulder injuries, encephalopathies, arthritis, and death. In response to vaccine related injuries, deaths, ensuing litigations and the need to stabilize the vaccine market. Vaccine Injury Compensation Program (VICP) began to be developed. Germany was the first country to establish a VICP in 1961 and Iceland is the most recent in 2001. These programs were instituted as an attensitive to the traditional civil live system for resolving claims. The VICPs were designed to be a no-fault claim system, providing indemnity to the pharmaceutical industry against adverse effects of mandatory or routinely recommended vaccines.

In May 1983, an international "Government Industry Liaison Panel" was established to guide legislators concerning vaccine injury. This panel included representatives from several organizations such as: The National Foundation for Infectious Diseases. Pan American Health Organization, the Centers for Disease Control. The

Rockefeller Foundation and Wellcome Research Laboratories. When considering Vaccine Injury, the World Health Organization and most VICPs use the Bradford Hill Criteria, created in 1965 to link adverse events following immunization to the administration of a specific vaccine ⁵.



OBJECTIVES

The overall objective of this review is to identify countries which have an operational vaccine compensation program. The specific objectives of this review are as following:

To identifying vaccine related injuries (complications) and compensation programs worldwide
 To identify specific vaccines that are covered under their respective compensation programs
 To identify the funding sources and compare the level of compensation by different countries

RESULTS

Vaccine programs and vaccine initiatives worldwide are an unquestionable necessity for the continuance of mankind. However, in efforts to move forward with development of these programs, refusing to be in bondage by obtivious ignorance of a vaccines, possible negative outcomes, various governments have instituted programs to provide compensation to victims of vaccine injury. These programs have not been developed to not recommendation of usage of vaccines to the public. Our research has identified if countries in which the vaccine injury compensation programs (VICP) have unique qualities that are worthy of being emphasized. The following map identifies those evaluated 16 countries, on 7 continents including the year of their inception: Asia (Japan, China, Korea, Talwan), Africa, North America (Canada, US), South America, Antractica, Europeino (Dermark, Germary, Switzerland, United Kingdom, Friatn, Norway, Sweden, France, Italy) and Australia (New parameter) and the programs of the countries of the programs of the program of the programs of the programs of the programs of the program of the programs of the program of the program of the pro



Countries and provinces that have introduced vaccine-injury comp

The unavoitable expansion of vaccine related injuries has been an understandable phenomenon when considering the amplification of the recommended childhood vaccine including 24 andiques and 8 diseases were recommended by the center for disease control for children worldwide. Over the control for children worldwide. Over level due to the incredible increase of the vaccinations recommended for children. Currently, in 2019 the center for containing 70 and religions providing proposed protection against



RESULTS

Country	Yaccine types	Compensable Vaccine Injuries	Pay out In US dollars	Funding Source
Dermark.	Persussis, Diphthena, Setanus, Polio and Tuberouloeis	Pain & Suffering Disability, Death	\$100,000 (minimum \$60)	Central Security & Social Security
Germany	Mandatory and Recommended Vaccines	Medical, lost wages Death, Survivor benefits	No data evaluable	General Revenue of the Lander (state governments)
Switzerland		Mandatory/Recommended All Lesions arising subsequent to vaccinations	No data evalutire	Cantona Federal Subsidies
*	Recommend dildren vaccines, Adult influenza. Armed forces vaccines	Severe disability	S81.4 million (1978-2017) An average of S2 Million per year	Public Funds National Treasury
Finland		Narcolepsy Pain and Suffering Permanent Disability Cosmetic snumes	Annually \$992,000	Pharmaceutical Injury Insurance
Konea	DTaP: Tdap, Tz, MMR, BCO, Jepanese encephalitis vaccine, Korean hemonthagic fever vaccine, H1N1	BCG.lymphadentis, abscess or ulter formation Based on WHO causality assessment otheria	No data available	The Korea National Vectine injury Compensation Program (KVICP)
Normay		51% injury caused by vaccine	\$1.1 Million less than 100 claims per year year	Pharmaceutical Association
Sweden	HINT, HCV,	Probable cause	\$105,000,	Pharmaceutical injuries insurance Government Insurance
Ohina	HBV, oral polio, Measies, MPV-A	Death Disability	\$13,400 average amount given out	Class 1- Government Class 2- Vaccine Manufacturer
Japan	Class 1,994O recommendations Class 2: Influenza	medical, funeral death, Disability, injury, Death	Tier system correlation between injury and vaccine maconum \$1 million.	Class 1 -Health Service Bureau Class 2 -Pharmacoutical and Food Safety Bureau (PFSB)
Talwan	HIN1, BCG, MMR	Death, serious injury Physical and Mental effects Adverse Reactions VINO Guidelines	Ter system \$200,000 - Physical and mental impairments \$165,000 - Serious illness \$33,000 - Adverse reaction \$6,500	Government premium, \$0.05 on each vaccine dose purchase. Vaccine Injury Compensation Programme. Working Group (VICPVIG)
Canada	See list	Permanent impairment occurred in Quebec	S4.4 Million	Provincial Ministry of Health and Social Service
New Zealand		Permanent damage	\$2,650 average per claimed	General lavy, investment returns
USA	Recommended Children Vaccines, Adult Influenza, Amed forces vaccines	B-anaphylasis or anaphylasis shock. Brachal neuritis MMH-chronic arthritis. Proto-paralytic potes. Potio-paralytic potis.	Not data evaluable Death and actual and projected expenses-\$250,000	Vaccine exists for
France	Mandatory Vaccines	Non-economic losses, tensions, disability, funeral and medical	Data unevalable	National Treasury
Nely	Recommended Vaccines Diproheries, Telenus, Polio, Hep III, MMRR, HPV, Rosense, Personale	Medical, Death Benefits Kinnesski Disease, Harroch Schorisen Purpura, Allergic Reactions. Thrombocytopenia. Harrochtic Amerika	Date unevalable	Ministry of Health Government

Compensation schemes are administrative system in all the countries except The USA. The United States VICP operates as a legal system and requires proof of causation based on epidemiological studies. The United States is the only country with a VICP program that involves the Justice department. The US program is jointly run by the injuries are those related to receiving government mandated, recommended, or VMVO recommended vascines. Studies show that compensation includes medical care, future care disability, funeral costs and death benefits for between 8 months and 3 years post injury 7

In China, Switzerland, and Quebec (Canada), VICP is administered at the provincial level. Funding in China and Switzerland comes from the national government, while in Quebec (Canada) the only province with VICP is funded by the provincial government levy on vaccines. The Chinese and Japanese national governments have compensation for class i Injuries, while class is Injuries is covered by the vaccine manufactures. Funding in Compensation for class Injuries, while class is Injuries is covered by the vaccine manufactures, Funding in Chinese Compensation in the Chinese Compensation of the Chinese Chin

Conclusion & Future Research of Narrative Review

Vaccination Injury Compensation Programs are established on the principle of no fault claims, that is that the adverse effects are not related to an individual fault or a vaccine manufacture but an inevitable consequences of medical intervention. The proof of causation differ among NCPs, hence there is no standard definition for a causation. Eligibility criteria for compensation is based on World Health Organization (WHO) list or the specific country's manufactory and routine vaccines. For example, in New Zestland, Finland, Dermark, Norwey, and Sweden all vaccines and the proof of th

Future research is needed to provide a more comprehensive data in respect to Hungary, Austria, and Slovenia all recognized by the WHO as hardy operating VICPS. Additional studies may provide exhaustive data on individual countries. Data concerning payout for each type of injury, number of claimants, successful claims compared to rejected claims, and the most of the least compensated injury related to a specific vaccine across all VICP would further











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