



POLIO AND ROTARY

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A PRESENTATION FOR THE ROTARY GUELPH TRILLIUM

BY

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ROTARY HAS PLAYED A BIG ROLE

- What is polio?
- What are the signs and symptoms?
- How is it spread?

THE HISTORY OF POLIO



MY PERSONAL CONTACTS WITH POLIO



HOW IS POLIO TREATED?

- Many viral illnesses can be treated, but what about polio?
- The only “treatment” is supportive care.
- Many victims of polio die of the acute illness.

THE IRON LUNG



1930 CANADA'S FIRST IRON LUNG

- At the Hospital for Sick Children the first iron lung came from Boston
- Another outbreak in 1937
- Ontario government bought another 27 of these devices

A POLIO WARD IN THE 50'S



FINALLY A VACCINE IS PRODUCED



JONAS SALK AND ALBERT SABIN

- 1955 the IPV (INJECTABLE POLIO VACCINE)
- 1962 OPV (ORAL POLIO VACCINE)

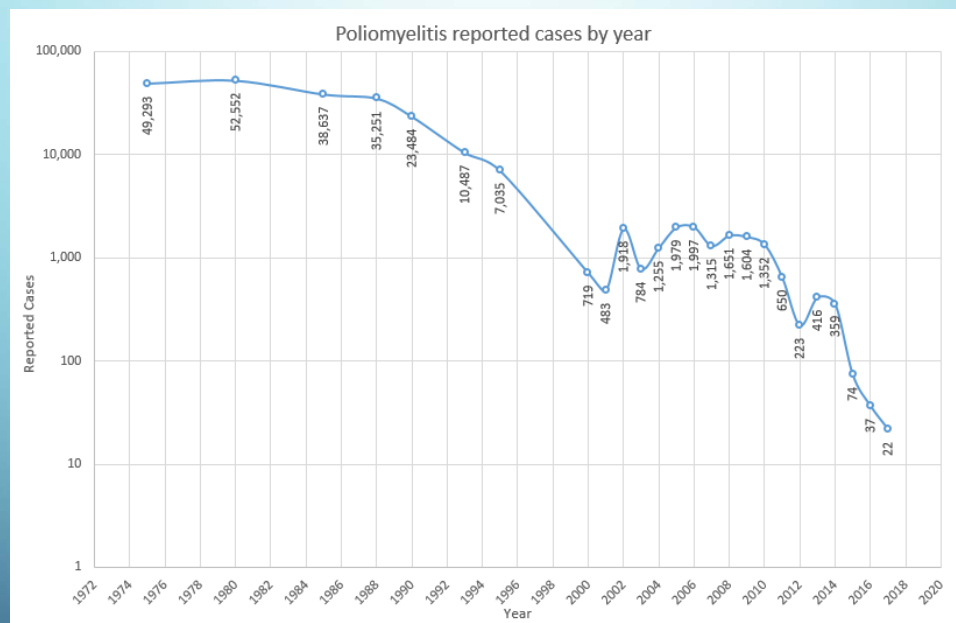
ROTARY JOINS THE FIGHT AGAINST POLIO

- 1978-79 RIP Clem Renouf led the RI grant to the Philippine Health Organization
- 1985 RIP Rotary officially launched the Polio Plus campaign
- 1980-85 RI through the 3 H Program immunizes 6 million children in the Philipines

THE INCIDENCE OF POLIO IN 1985

- 350,000 cases per year in 125 countries at the start of Polio Plus
- 2.5 billion children have been immunized
- 17.6 million people who are currently well would have been paralyzed by polio without GPEI

THE CURVE TO ZERO CASES



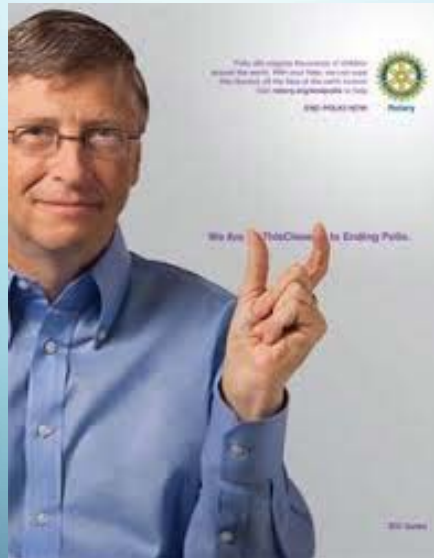
MILESTONES

- Africa now polio free (Nigeria the last country to be certified).
- Fewer than 100 cases per year – Afghanistan and Pakistan and a case in the Philipines of vaccine derived cVDPV (not the wild virus)
- GPEI partners WHO, Unicef, RI, CDC and the Bill and Melinda Gates Foundation
- Total cost estimated of the GPEI \$4.5 billion
- Rotary contributes \$50 million yearly matched 2:1 by the Gates Foundation

THE ROAD TO ELIMINATION

- Detect the last wild Polio virus case
- Continue world wide immunizations, surveillance and responses to outbreaks of VDPV
- Certification and gradually reduce the number of labs and vaccine manufacturing facilities

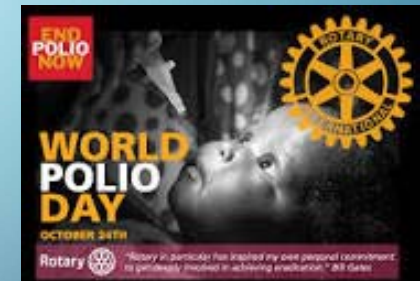
THE CAMPAIGN CONTINUES WE'RE THIS CLOSE



WE'RE NOT DONE YET

Total cases	Year-to-date 2020	Year-to-date 2020
	WPV	cVDPV
Globally	10	41
—in endemic countries	10	8
—in non-endemic countries	0	33

THIS IS NOT THE END, BUT WE'RE CLOSE



GLOBAL POLIO ERADICATION INITIATIVE



BILL & MELINDA
GATES *foundation*

