



Timing of South Africa's PCV and Measles infant doses

- considerations on the adoption of a vaccine schedule

Rudzani Muloiwa Department of Paediatrics & Child Health Red Cross War Memorial Hospital & Vaccines for Africa Initiative

University of Cape Town, South Africa



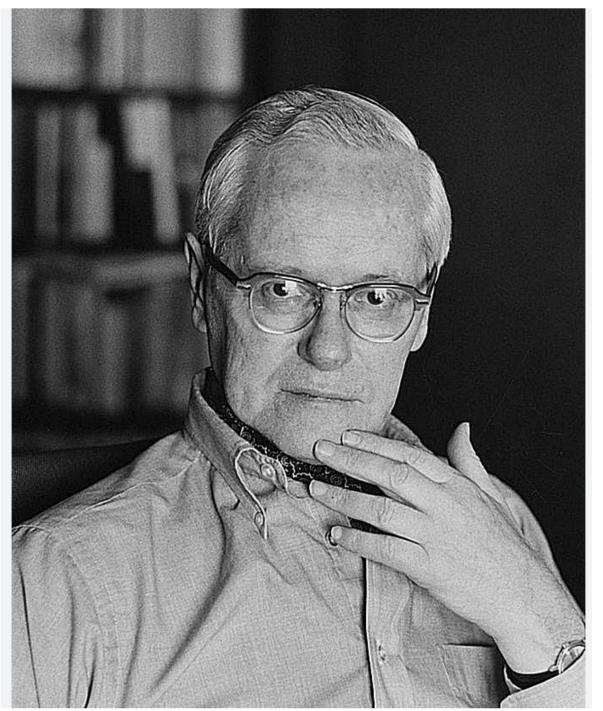


National Immunization Technical Advisory Group (NITAG) Support Hub

Disclaimer

 Rudzani Muloiwa has served on Advisory Boards for MSD and Pfizer, and has previously received honorarium for giving talks at Sanofi Pasteur, Pfizer and MSD sponsored meetings

He has also taken part in both investigator-initiated and sponsored studies supported by Sanofi Pasteur



"role model" "self-fulfilling prophesy"

Current South African Immunisation Schedule

Birth	BOPV, BCG
6 weeks	DaPT-IPV/Hib/HBV, RV,PCV13, BOPV
10 weeks	DaPT-IPV/Hib/HBV
14 weeks	DaPT-IPV/Hib/HBV, RV, PCV13
6 months	Measles
9 months	PCV13
12 months	Measles
18 months	DaPT-IPV/Hib/HBV
6 years	Td
9+ years	HPV
12 years	Td
Pregnancy	Т

RSA Immunisation Schedule - 2008

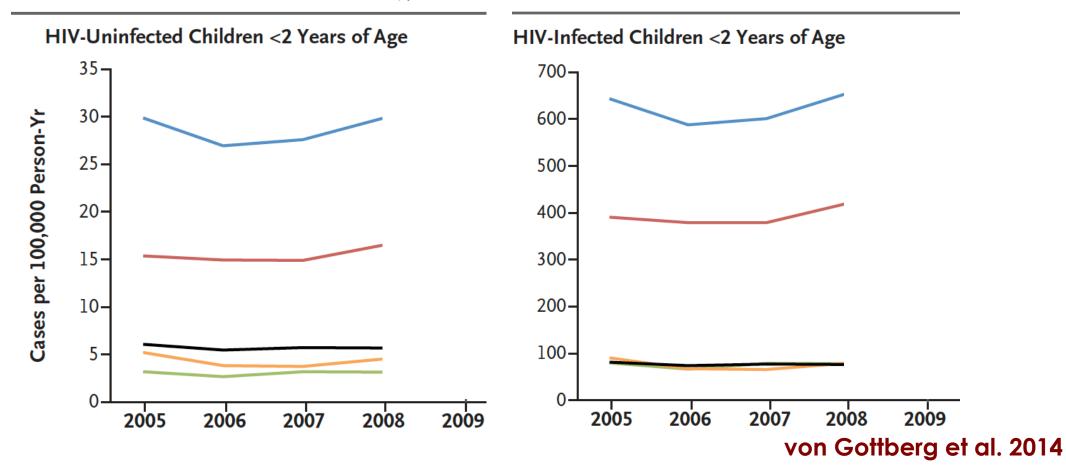
Birth	TOPV, BCG
6 weeks	DPT/Hib, HBV, TOPV
10 weeks	DPT/Hib, HBV, TOPV
14 weeks	DPT/Hib, HBV, TOPV
9 months	Measles
18 months	DPT/Hib, TOPV, Measles
6 years	DT
12 years	Td
Pregnancy	Т



Effects of Vaccination on Invasive Pneumococcal Disease in South Africa

---- All serotypes ---- PCV7 serotypes ----

— Additional PCV13 serotypes -



Vaccine 26 (2008) 3277-3281



Contents lists available at ScienceDirect

Vaccine

journal homepage: www.elsevier.com/locate/vaccine

Effectiveness of a 2+1 dose schedule pneumococcal conjugate vaccination programme on invasive pneumococcal disease among children in Norway

Didrik F. Vestrheim^{*}, Øistein Løvoll, Ingeborg S. Aaberge, Dominique A. Caugant, E. Arne Høiby, Hilde Bakke, Marianne R. Bergsaker

Division of Infectious Disease Control, Norwegian Institute of Public Health, Norway

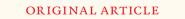
Vaccine 30S (2012) C21-C27



Review

Introduction of pneumococcal conjugate vaccine into the public immunization program in South Africa: Translating research into policy

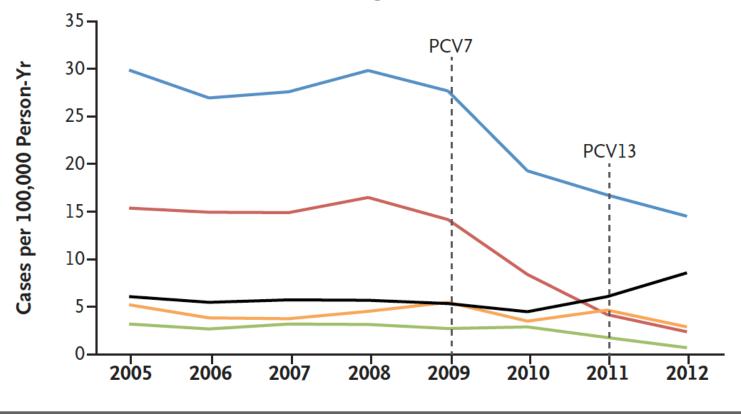
Shabir A. Madhi^{a,b,c}, Cheryl Cohen^{a,d}, Anne von Gottberg^{a,c,*}



Effects of Vaccination on Invasive Pneumococcal Disease in South Africa

All serotypes
 Additional PCV13 serotypes
 Serotype 6A

A HIV-Uninfected Children <2 Years of Age

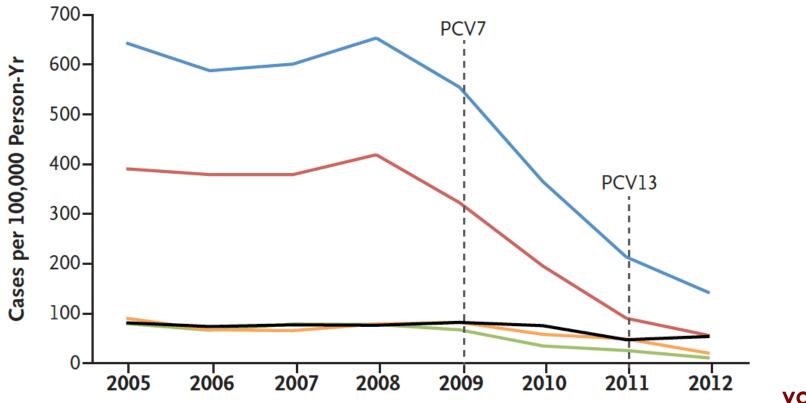


von Gottberg et al. 2014

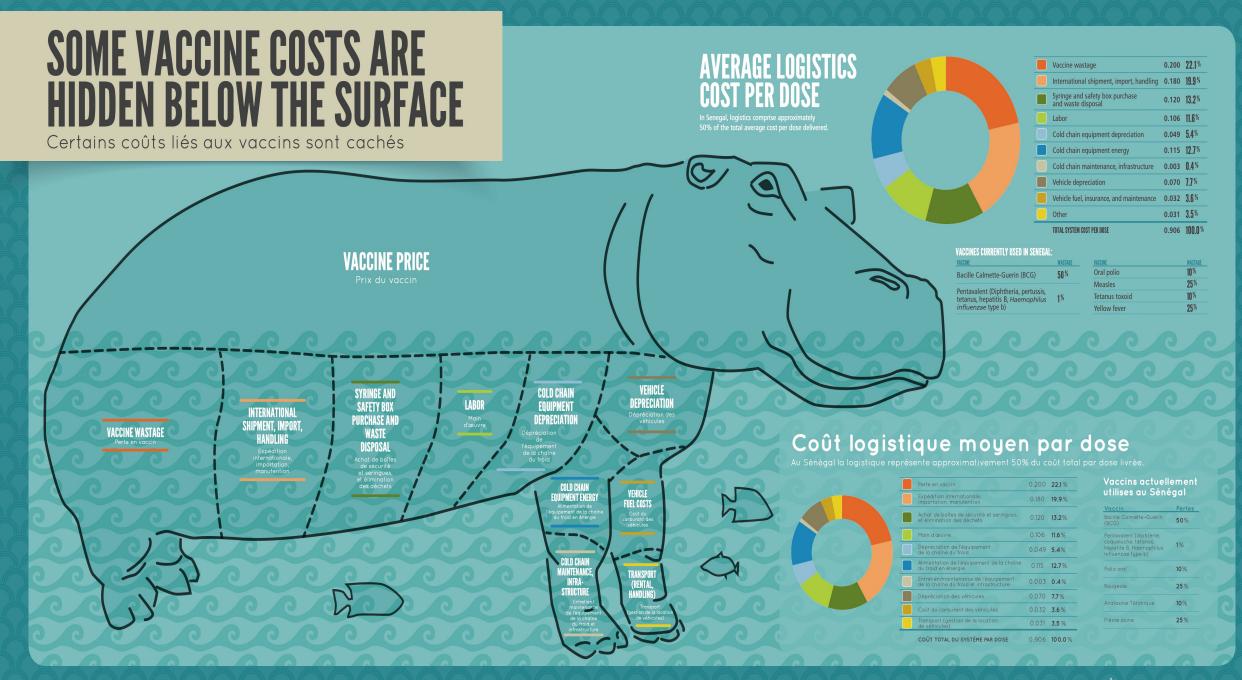


Effects of Vaccination on Invasive Pneumococcal Disease in South Africa

- All serotypes
 Additional PCV13 serotypes
 Serotype 6A
- **B** HIV-Infected Children <2 Years of Age



von Gottberg et al. 2014





Laboratory: Sanofi Pasteur Last update: March 03, 2022 11:37:27 AM

Stopped marketing since the end of November 2017.

Description

Measles vaccine.

Class

Alive

https://www.mesvaccins.net/web/vaccines/436-vaksin-campak-kering

VAKSIN CAMPAK KERING

Laboratory: Bio Farma Last update: July 27, 2019 3:43:16 PM

Measles vaccine produced and used in Indonesia.

Description

Live attenuated measles vaccine, strain CAM-70.

Class

Alive

Composition

Measles virus strain CAM-70: not less than 1,000 CCID50 (Cell Culture Infective Doses 50).

Other information



Current South African Immunisation Schedule

Birth	BOPV, BCG
6 weeks	DaPT-IPV/Hib/HBV, RV,PCV13, BOPV
10 weeks	DaPT-IPV/Hib/HBV
14 weeks	DaPT-IPV/Hib/HBV, RV, PCV13
6 months	Measles
9 months	PCV13
12 months	Measles
18 months	DaPT-IPV/Hib/HBV
6 years	Td
9+ years	HPV
12 years	Td
Pregnancy	Т

Vaccine introduction decision-making framework

- Clarity on the burden of disease
- Meaningful efficacy or effectiveness threshold
- Safety of the vaccine in target population
- Cost effectiveness of a vaccine intervention impact on burden
- Competing immunisation priorities
- Ability to get meaningful vaccine coverage of target group
- Impact of introducing a dose on the whole schedule
- Other logistical considerations cost
- Registration status with regulatory body
- WHO/SAGE vaccine specific guidelines
- "The soft stuff" acceptance, cultural norms and social behaviour

THE UNANTICIPATED CONSEQUENCES OF PURPOSIVE SOCIAL ACTION

ROBERT K. MERTON Harvard University

Ι

T N SOME ONE of its numerous forms, the problem of the unanticipated consequences of purposive action has been treated by virtually every substantial contributor to the long history of social thought.¹ The diversity of context² and variety of terms³ by which this problem has been known, however, have tended to obscure the definite continuity in its consideration. In fact, this diversity of context—ranging from theology to technology—has been so pronounced that not only has the substantial identity of the problem been overlooked, but no systematic, scientific analysis of it has as yet been effected. The failure to subject this problem to such thorough-going investigation has perhaps been due in part to its having been linked historically with transcendental and ethical considerations. Obviously, the ready solution provided by ascribing uncontemplated consequences of action to the inscrutable will of God or Providence or Fate precludes, in the mind of the believer, any need for scientific analysis. Whatever the actual reasons, the fact remains that though the process has been widely recognized and its importance equally appreciated, it still awaits a systematic treatment.

Thank you

