

Immunization and Vaccine related Implementation Research (IVIR) Advisory Committee

Update October 2015

Professor Gagandeep Kang

On behalf of the IVIR-AC

IVIR Committee 2015

Advises WHO on implementation research related to vaccines and immunization programs

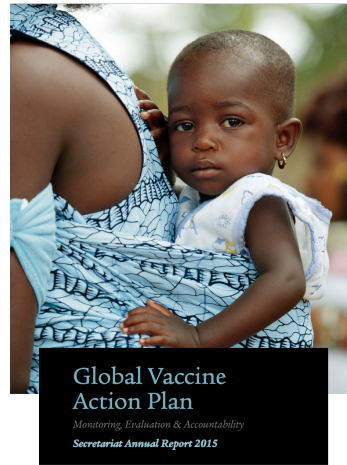
Provide guidance on quantitative methods useful to vaccine research



GAP

**Current
status**

**DOV
GOAL**



RESEARCH

GAP

**Current
status**

**DOV
GOAL**

WHO's implementation research themes

1

Minimize barriers and improve coverage of vaccines currently in use

2

Conduct impact evaluation of vaccines in use

3

Improve methods for monitoring of immunization programmes

IVIR-AC agenda topics 2015

1

Minimize barriers

- Research methods for community vaccine acceptance studies
- Non-specific effects of vaccines

2

Evaluate impact

- Polio vaccine modeling
- GVAP's Decade of Vaccine Economics study
- Impact evaluation of hepatitis B vaccines
- Pertussis impact modeling comparison study
- Dengue vaccine modeling comparison exercise

3

Monit- oring

- Development of guidance for the collection, assessment, and use of immunization data
- Proposed analysis of EPI surveys

IVIR-AC agenda topics 2015

1

Minimize
barriers

What 2015 SAGE GVAP
assessment suggests?

To help countries
where immunization
coverage remains
poorest

How IVIR-AC contributes?

Reviews methods for community
vaccine acceptance studies

2

Evaluate
impact

Stop WPV transmission
by 2014

Reviews impact models for polio
vaccines

3

Monitoring

District level DTP data
in 73 countries out of
194 not available

Reviews guidance for collection,
assessment and use of
immunization data for program
management, research and
advocacy

Minimize Barriers of Vaccine Uptake

Vaccine acceptance studies at community level

Better study designs are needed

Assessment of the effectiveness of community interventions to improve vaccine acceptance is needed

Need for a research plan for validating impact of community interventions on hesitancy



Impact evaluations

Polio vaccine modelling to investigate prolonged silent transmission of poliovirus

**Useful and valuable
to explore long-term
implications of current polio
vaccination strategies.**



Methods to improve monitoring of immunization programs

Development of guidance for collection, assessment and use of immunization data for program management, research and advocacy

Focus is to achieve high coverage through use of data collection

Practical guidance using bottom-up approach for fieldworkers is crucial

Reviews should be conducted by all team recognized including community members



Over-arching theme: Non-specified effects of vaccines

Apr 2014

Sept 2015

Feb 2015

Jun 2015

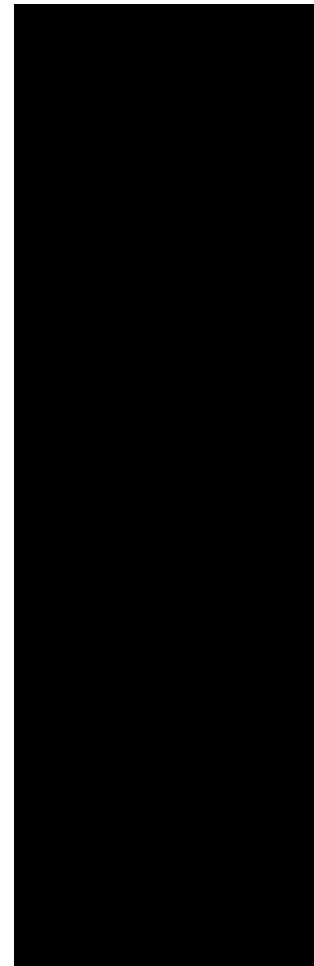
Sept 2015–
Sept 2016–

SAGE:
SAGE:
evidence did

recommended IVIR-AC to
out research
questions and

IVIR-AC:
IVIR-AC:
proposition
proposition
for high-
quality-
prospective
studies to
address
policy
relevant
questions
and with
immunologic
analyses

Ad-hoc
Ad-hoc
expert
group on
immunologi
cal:
It identified
opportunities to define
immunologic effect
mechanisms
in
intervention



IVIR-AC:
IVIR-AC:
research
questions
systematized
and

prioritized
Study
protocols
to be drafted
in late 2015
and early














2016
Ad-hoc
expert
consultation
to be held in

Implementation Research areas

bottlenecks?

- **Governance**
- **Human Resources**
- **Vaccine stock outs**

Large portfolio of topics and compelling need to prioritize

Themes	Topics	2013	2014	2015	2016
1 Research minimize barriers	Research methods on community acceptance				
	Non-Specific Effect				
	Missed opportunities				
2 Research to conduct impact evaluations	Pertussis burden and resurgence modeling				
	Hepatitis B vaccine impact				
	Rotavirus vaccine impact				
	Malaria vaccine impact and CEA				
	Dengue vaccine CE comparison				
	Decade of Vaccine Economics				
	Polio vaccine modeling				
	Influenza task force on data for modeling and impact assessment				
3 Research to improve methods for monitoring	Guidance for collection assessment and use of immunization programs				
	EPI survey analysis				

Thank you

**IVIR-AC
promotes
research to
close the
immunization
gap**

