Immunization and Vaccine related Implementation Research (IVIR) Advisory Committee

Raymond Hutubessy
WHO Initiative for Vaccine Research

Meeting of the WHO Product Development for Vaccines Advisory Committee, WHO HQ, Geneva, Switzerland - Salle B, 21-22 June 2017
IVIR Advisory Committee 2017

Advises WHO on implementation research related to vaccines and immunization programs
Provides guidance on quantitative methods useful to vaccine research

http://www.who.int/immunization/research/committees/ivir_ac/en/
<table>
<thead>
<tr>
<th>1</th>
<th>Minimize <strong>barriers</strong> and improve coverage of vaccines currently in use</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>Conduct <strong>impact evaluation</strong> of vaccines in use</td>
</tr>
<tr>
<td>3</td>
<td>Improve methods for <strong>monitoring</strong> of immunization programmes</td>
</tr>
</tbody>
</table>
Large portfolio of topics and the compelling need to prioritize

Themes

<table>
<thead>
<tr>
<th>Research to minimize barriers</th>
<th>Themes</th>
<th>2013</th>
<th>2014</th>
<th>2015</th>
<th>2016</th>
<th>2017</th>
</tr>
</thead>
</table>

- Themes: Research to conduct impact evaluations

**VACCINE MODEL COMPARISONS**

◆ Assess the quality of modeled evidence

◆ Recent reviews:

**Dengue**


**Malaria, RTS,S**


◆ Ongoing reviews

**Hepatitis B**

**Rabies**
Model comparison

• Comparison of existing models through systematic review and meta-analysis with the objective to:
  • Identify & describe existing model characteristics and parameters
  • Compare model predictions of strategies to prevent infection of VPDs
  • Understand variability in model predictions

• IVIR-AC activities
  • Inclusion criteria of models – systematic review and open call including HICs
  • Describe model vs running new simulations
  • Call for open source code such as CRAN initiative and clinical trials.gov may be useful
  • Model harmonisation – “explaining dissonance” rather than to converge to single point estimate
  • Weighing models on quality

*Development of a vaccine specific modelling comparison WHO Guide*
IVIR-AC promotes research to close the immunization gap