

SMART Vaccines: Next Steps for NVPO and FIC

National Vaccine Program Office, DHHS and
Division of International Epidemiology and Population Studies
Fogarty International Center
U.S. National Institutes of Health



Fogarty International Center (FIC)

DIVISION OF INTERNATIONAL EPIDEMIOLOGY AND POPULATION STUDIES (DIEPS)

- conduct epidemiological, molecular epidemiology, and computational modeling research and training focused on:
 - the emergence and disease transmission dynamics of infectious diseases;
 - disease burden analyses; and,
 - the evaluation of biomedical interventions and public health programs.

Guiding Principle

“SMART Vaccines will have the greatest potential and value if it is programmed as a dynamic, continuously evolving software application and made freely available in an open-source environment to all decision makers and developers around the world”

(Phase II SMART Vaccine, IOM report)

Promoting the Development, Use, and Sustainability of SMART Vaccine

NVPO/FIC Strategic Objectives:

1. Transformation of the existing software to a web-based platform to enhance accessibility and usability.
2. Adaptation and refinement of the tool and its capabilities.
3. Dissemination, use, and sustained improvement of the tool through direct engagement and training of relevant public sector, academic, and private sector stakeholders and decision makers.
4. Establishment of an independent consortium to support the long-term hosting, utilization, and sustainability of the tool.

Establishing a Stakeholder Network

- A collaborative network of decision stakeholders and end-users inclusive of individuals/organizations with experience in:
 - vaccine development, regulation, and program implementation
 - computational modeling, epidemiology, demography, economics, public health policy
 - database design and engineering and data visualization

Goals of the Stakeholder Network

- Through technical assessment and training workshops, NVPO/FIC will engage the Network to provide direct input
 - to promote continued evaluation and improvement of the tool and its capabilities;
 - to expand the availability of model-supporting data and data sharing protocols; and,
 - to design, promote, and fund a consortium for the long-term hosting and evolution of SMART Vaccines (inclusive of an open-source model)

Tactical Next Steps to Advance SMART Vaccine

1. Make available within the next 3-4 months, a web-based, widely accessible SMART Vaccine tool.
2. Invite and engage relevant stakeholders to participate in Network activities.
3. Identify and leverage existing opportunities (stakeholder meetings, conferences, etc.) where additional outreach and engagement with the tool can be promoted.

TO ACHIEVE OUR GOALS AND OBJECTIVES,
WE WELCOME INPUT FROM NVAC



THANK YOU

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