### IPAC BULLETIN

**July 2017** 

QUARTERLY UPDATE OF THE IMMUNIZATION PRACTICES ADVISORY COMMITEE

Volume 3, Issue 2

**WORLD HEALTH ORGANIZATION** 

### A note from the Chair:

#### Dear colleagues,

Welcome to the 10<sup>th</sup> IPAC bulletin – the second for 2017. Thanks very much to IPAC members and observers for participation in our teleconference in early July. This call enabled us to discuss, among other things, the emerging utility of Total Systems Effectiveness concepts, progress on the Controlled Temperature Chain roadmap for the four Lastly, I'll touch on a recent request for resources to help priority CTC vaccines, progress by the Delivery Technologies working group, and to endorse the Target Product Profile document for a Measles-Rubella Micro-Array Patch.

Also discussed was the critically important ongoing work to update global guidance on the Collection, Assessment and Use of Immunization Data. IPAC will continue to consider how we can address the need for more streamlined data management given the increasing numbers of vaccines and ages of vaccination; and the best balance between administrative and survey data collection methods. Some specific questions will return to IPAC for advice, including how best to capture gender disaggregated data and redefinition of the fully immunized child in a way that properly recognizes vaccination beyond the first year of life and other programmatic expansions.

At a broader level, indicators for Sustainable Development Goal Three (Ensure healthy lives...) had a high-level review this month: https://sustainabledevelopment.un.org/sdg3. While only one of SDG3's nine specific targets (3.8) mentions vaccination specifically, at least four of the other targets (3.1-3.4) will be hard to hit without strong national immunization programs, especially considering the role of vaccines in preventing some common cancers. Beyond this, access targets such as those for family planning (3.7) could be boosted if we can integrate those services with vaccination. Integrated health services are a key element of the Global Vaccine Action Plan. However I feel that what many of us miss, when researching integrated care, is the need to examine the pattern of family health care

needs at various points in the life course, especially needs that co-exist with immunization needs, and use this perspective as the starting point in designing more integrated services. More attention to 'demand-side' preferences for how services could be organized is a key, I believe, to stronger, better supported, and better utilised services.

those working at country level to better appreciate WHO's global programmatic perspective on immunization. We will develop a fuller pack for new members on this, but for now, here are four quick plugs:

New visualisations of GVAP progress that should be coming next month at <a href="http://apps.who.int/gho/cabinet/">http://apps.who.int/gho/cabinet/</a> gvap.jsp

Discussion of global vaccine development to policy at http://www.who.int/immunization/policy/ WHO vaccine development policy.pdf

Global Routine Immunization Strategies and Practices (GRISP) and other resources at http://www.who.int/ immunization/programmes systems/service delivery/

Sign up for Global Immunization Newsletter at http:// www.who.int/immunization/gin/ (Sign up button top left of page)

Sending you fire-side greetings from a southern hemisphere winter, hoping all you northern colleagues are making the most of summer warmth,



Chris Morgan cmorgan@burnet.edu.au

### Inside this issue:

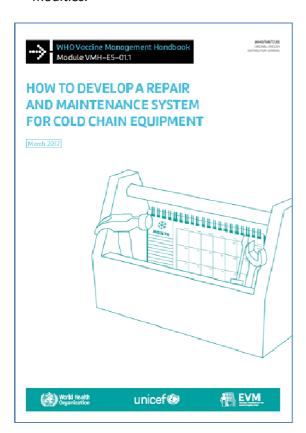
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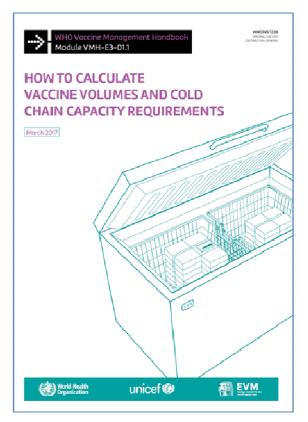
### New vaccine management guidance available

by Daniel Brigden (WHO)

WHO has published two new modules in its Vaccine Management Handbook. The modules provide technical guidance on the following topics.

- 1. How to Develop a Repair and Maintenance System for Cold Chain Equipment. This module introduces the policy, technical, material, budget and management requirements of an effective cold chain equipment maintenance and repair system.
- 2. How to Calculate Vaccine Volumes and Cold Chain Capacity Requirements. This module describes how to calculate vaccine volumes and evaluate the cold chain capacity requirements of a vaccine supply chain. It also provides guidance on how to calculate cold chain storage needs for coolant-packs and the dry-storage capacity needed for immunization-related commodities.





Both modules are available in English and French on the WHO website:

http://www.who.int/immunization/programmes\_systems/supply\_chain/evm/en/index5.html

The Vaccine Management Handbook, a component of the EVM Initiative, has been written for decision-makers at national and subnational levels; its purpose is to provide technical advice on key topics related to immunization logistics to help countries develop and refine national policies. For more detailed guidance on specific operational activities, refer to the <u>EVM Standard Operating Procedures</u> (SOPs).

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### Update from the **Working Group on** the Controlled **Temperature Chain** (CTC-WG) by Anna-Lea Kahn (WHO)

The CTC-WG have continued to meet regularly by way of teleconferences taking place every two months through which important progress has been made on the development of a Strategic \* Roadmap for four years (2017 to 2020) reflecting the group's consensus around the necessary activities required to meet the CTC programme's objectives. These consist of:

Improving stakeholder involvement, advocacy, and alignment on CTC workstreams;

immunization labelled vaccines;

- Developing operational guidance and communication tools in support of CTC practices; and
- the licensure and prequalification of appropriate vaccines for CTC.

and outputs proposed in this doc- four priority vaccines is being ument concern the four priority sought at global, regional, and vaccines (Human Papilloma Virus country levels in order to provide vaccine, Oral Cholera Vaccine, guidance as CTC planning pro-Tetanus-Toxoid containing vac- ceeds.

Increasing the base of evi-cines, and Hepatitis B vaccine for dence demonstrating the birth dose) which the CTC-WG benefits and impact of de- identified last February and IPAC livering vaccines through endorsed as being where efforts this approach, as well as should currently be concentratbetter characterizing the ed, given these vaccines' promisvalue proposition of CTC ing potential for both CTC licenwith respect to improving sure and country-level uptake coverage and impact. However, the CTCand equity targets for CTC- WG will continue to also evaluate and support other existing and emerging candidate vaccines for compatibility, CTC including working on creating an enabling environment at the financing and procurement level to support the Supporting efforts towards supply of additional CTC- labelled products.

In the meantime, a pool of relevant technical and programmatic The bulk of the detailed activities experts for each of the respective

### Fractional Dose IPV

### by Alejandro Ramirez Gonzalez (WHO)

In line with the Strategic Advisory Group of Experts (SAGE) recommendation, WHO is working closely and supporting countries to implement the intradermal fractional dose IPV (fIPV) vaccination in routine immunization programmes. The experiences from countries that already rolled out fIPV, India and Sri Lanka, which already represent around 19% of the global birth cohort, are shown to be very valuable and demonstrate that despite the operational challenges the implementation of fIPV is feasible and safe. Advance planning, quality

those countries.



WHO/K. Kretsinger

While the South East Asia Region (SEAR) experience expands to two additional countries, Bangladesh and Nepal, in the coming regions. weeks, other regions are also

trainings and good supportive recommending and supporting supervision and monitoring have countries in their decision making been identified as critical compo- and implementation. Positive nents of the implementation on signs come from the Region for the Americas (PAHO), where the Technical Advisory Group (TAG) has recommended the switch to fIPV in 14 countries. These countries are now discussing with the National advisory groups and will be making decision in the coming weeks.

> WHO, together with countries and other partners, is preparing to document these experiences in order to have all the information and data needed to promote successful implementation of fIPV in other countries and

### Update #2 on Second Year of Life (2YL) Progress:

by Karen Hennessey (WHO) and Imran Mirza (UNICEF)

This update picks up from the last bulletin update (October 2016) and **IPAC** meeting (February 2017). In reference to the project timeline above, 2YL work is well on-track. Draft WHO guidance, "Establishing and strengthening immunization in the second year of life: immunization **Practices** for beyond infancy' is expected to be completed in 2017 (Activity A near-final version is expected this August that considers **IPAC** recommendations given during the February 2017 meeting. Advocacy and demand creation packages targeting decision makers, planners, health workers and caretakers are also under development and will be ready by end of 2017.

With the guidelines on WHO track. and UNICEF are moving ahead to develop training materials for country-level staff and for building a pool of consultants trained to identify gaps and facilitate actions needed to maximize coverage of vaccines scheduled in second year of life. It is important to ramp up this expertise now because several countries preparing to introduce 2YL vaccines in 2017-

2018.

# 2 LANDSCAPE ANALYSIS (WHO & UNICEF) 2015 COUNTRY PROJECTS (WHO & CDC) 2016 DRAFT GUIDELINES 2017 IMPLEMENTATION FEEDBACK & Finalize guidelines

2YL Project, 2015-2017



WHO/A. Kahn

To help undertake the planning, costing and financing aspects of a 2YL immunization platform, a user-friendly excel-based tool is also under development - the Planning, Costing and Financing Tool. The tool has been field tested in Ghana and will allow the user to easily identify the activities required, estimate the incremental costs, future requirements, and analyze the corresponding financing gaps.

This work is largely supported by UNICEF using generous donation from Αl Waleed Philanthropies, by WHO using funds from the Bill and Melinda Gates Foundation, and by US CDC. Where applicable, activities build on new vaccine introduction grants that countries receive from Gavi.

### Pre-empting and managing vaccine shortages – The Vaccine Shortage Project: by Tania Gernuschi (WHO)

tion activities.

Over the past couple of years, several countries across regions and income groups have reported being confronted with shortages of vaccines and the trend seems to be on the rise. Given the growing concern related to global vaccine shortages, the 2016 SAGE meeting in April discussed this topic at length and highlighted an important gap in ongoing work to address supply shortages. This is a gap in information collection, analysis and exchange on supply availability,

Vaccine shortages occur when related regulatory matters, coun- Against this background, WHO global supply of a vaccine cannot try demand and access risks. In- has initiated a Vaccine Shortage meet the full demand from coun- vestment in this area could en- Project. The aim of the project is tries. Depending on the severity, hance informed decisions for to provide concrete proposals on vaccine shortages can translate both countries (e.g. vaccine intro- WHO's role and actions to eninto national vaccine stock-outs duction, product choice) and hance information sharing for pre and in suspension of immuniza- manufacturers (e.g. facility im- -empting and managing vaccine UNICEF Supply Division, PAHO, consideration to donors. and GAVI.

provement, capacity investment). supply shortages. Up to now, a The issue was highlighted partic- mapping of information available ularly with regards to self- through WHO and immunization procuring countries not support- stakeholders was completed to ed by targeted intelligence identify gaps and opportunities. efforts. SAGE recommended that Two global market assessments, WHO plays a key role to address one for BCG and one for diphthis gap by enhancing dialogue theria and tetanus toxin containbetween countries and manufac- ing vaccines are being used to turers on global demand predict- prototype an operating model for ability, supply availability and WHO in this space. The model potential threats to vaccine sup- will be submitted for feedback to ply, particularly for vaccines and immunization stakeholders by countries not supported by the end of 2017 and for funding

### **TechNet Conference Update:** by Patrick Lydon (WHO)

Hosted in collaboration between Health Access Initiative (CHAI), For those who cannot attend, WHO and UNICEF, the TechNet JSI, PATH and Village Reach. The there will be a live stream availa-Conference is organized every planning committee meets week- ble where people can view the two years with this year return- ly with the main task to develop plenary sessions remotely. Videing to the European region. The the conference agenda. Along- os will also be posted for later conference runs for a duration of side the plenary, this year will viewing of the plenary sesfive days, to be held on 16-20 incorporate more interactive ses- sions. There will also an oppor-Cascais, pected to attend. The theme will Marketplace, Innovation Café, from the TechNet community. continue to follow the last Tech- Project Gallery and TechTalk. Net on supply chain as "Building The TechNet conferthe next generation of immunization supply chain".

A TechNet conference planning <a href="http://www.technet-">http://www.technet-</a> committee (TCPC) is in place that includes Bill and Melinda Gates foundation (BMGF), Gavi, Clinton technet-conference/2017

Portu- sions. Major side events will con- tunity for people to engage re-250+ participants are ex- tinue, such as Manufacturers motely and to receive feedback

> ence website is in the link below:

21.org/en/home/



### Announcements

### Acknowledgement of departing IPAC **Members & Observers**

serving members of IPAC, who

reached their maximum terms of service in June 2017. The committee and secretariat are extremely grateful for the time, effort and guidance they have provided over these six years.

We regretfully farewell two long- ing Routine Immunization, to nus elimination, which preceded, influenza, and the SAGE Multiple service. Injections working group. Jean-Marc continues his leadership role in the certification of polio eradication and in technical advice to Afghanistan, Pakistan and elsewhere in this cause.



Dr. Francois Gasse



Dr. Jean-Marc Olivé

Dr Jean-Marc Olivé commenced Dr Francois Gasse also comwith IPAC in August 2011 and menced with IPAC in August brought to the committee more 2011 and brought a deep experithan thirty years of experience in ence drawn from field and head- Vaccine Manufacturers Network public health: having first worked quarters postings with both since 2011. Reinaldo has been with WHO as a medical epidemi- UNICEF and WHO across immunologist in Sudan in 1980; this was ization and child survival. succeeded by numerous posts in skills and history in programme Africa, Asia and the Americas, design, health worker training, before joining WHO headquar- monitoring and evaluation added ters immunization teams in the greatly to IPAC's advisory capacimid-1990s; lastly as WHO Repre- ty. Francois has contributed ous in discussions to add a persentative in Philippines and then across the range of IPAC discus-Viet Nam prior to his retirement sions and document reviews, from WHO in 2010. We were bringing a pragmatic understandthus very fortunate to have Jean- ing of grass-roots realities to our Marc's thoughtful, strategic and discussions. He has provided spealways practical advice available cial inputs to work on maternal to us through his contributions immunization against influenza, time with the committee.

as IPAC member. In addition to the original work on the con-

advice on the breadth of IPAC trolled temperature chain for topics, he provided special con-meningococcal vaccine, to revitributions to the various revi- sions to Immunization in Pracsions of Immunization in Practice, and to the HIV and Tetanus tice, to the Call To Action on Impost-circumcision working group. munization Supply Chains and We also acknowledge and appre-Logistics, through the Measles ciate his passionate commitment Working Group for Strengthen- to maternal and neonatal teta-Maternal Immunization against and continues beyond, his IPAC



Dr. Reinaldo de Menezes Martins

We also acknowledge the contribution of one of our long-serving observers, Dr Reinaldo Menezes Martins, who is stepping down from this role after serving as representative to IPAC for the Developing Countries ever-reliable in meetings, calls and document review, representing the DCVMN viewpoint discussions with clarity and grace. He has often been generspective borne of his own experience as paediatrician and scientific advisor to governments, academia and industry over many years. We are grateful for his

## The Journal of Infectious Disease Volume 216, Issue suppl\_1



Global polio eradication and immunization partners have announced the launch of a new supplement to the Journal of Infectious Diseases, Polio Endgame and Legacy: Implementation, Best Practices, and Lessons Learned.

The 51 articles in the publi-

cation serve as a resource and reference on how to implement large scale, globally synchronized public health activities within ambitious timelines, and provides valuable insights for other initiatives looking to do the same.

https://academic.oup.com/jid/issue/216/suppl 1

# Upcoming Meetings & Events:



- ⇒29-31 Aug Geneva, Switzerland: **SAGE DoV Working Group Meeting**
- ⇒ 20–22 Sep Veyrier du Lac, France:
  Immunization and Vaccine-related
  Implementation Research Advisory
  Committee Meeting
- ⇒ 25–26 Sep Barcelona, Spain: TT Surveillance Consultation
- ⇒02-03 Oct Geneva, Switzerland: **Rotavirus Meeting**
- ⇒ 16-20 Oct Cascais, Portugal

  15th TechNet Conference
- ⇒ 17-19 Oct Geneva, Switzerland: **SAGE on Immunization**
- ⇒ 23-26 Oct Cascais, Portugal: Management of the Data

### A final word from the IPAC Secretariat

This issue of the IPAC Bulletin will be the first since the Committee's new terms of reference (TORs) came into effect in June 2017. As mentioned in the previous IPAC Bulletin, the new TORs bring several changes to the IPAC's mode of working (that was last modified in 2014), including: more regular face-to-face meetings (annual, every March); continuation of regular teleconferences and the closed TechNet21 online group discussion forum; a different approach to participation in SAGE working groups, which had previously been the driver for this Bulletin's conception; and a shift in the definition and role of "observers" versus "members". Members are independent individuals, representing themselves. The number of IPAC members will be gradually sized down to 11, all of which will continue to be selected through a rigorous application and appointment process. Observers are professionals representing a specific institution (other than WHO.) Observers will no longer be pre-defined or limited to specific institutions, broadening the opportunity for participation to all relevant global immunization partners, but thereby be limited in contribution to the discussions occurring at the annual meetings (to which they must register and will not be automatically invited) and through this quarterly bulletin (on request or invitation). In light of these recent changes, we must consider if and how we want the IPAC Bulletin to serve the Committee.

We therefore would like to invite your inputs on the value and necessity of this quarterly bulletin. Would you like it to continue? If so, should the content change? Which features, if any, do you find particularly useful? Kindly email your responses to Carmen (<a href="mailto:auc@who.int">auc@who.int</a>). IPAC members can also respond to the discussion feed on this subject which will shortly be initiated within the IPAC group page on TechNet.

In the meantime, we wish you each a very pleasant August, in the hope that you might take some much deserved time off to rest and recuperate.

The IPAC Secretariat Team