April 2017

IPAC BULLETIN

QUARTERLY UPDATE OF THE IMMUNIZATION PRACTICES ADVISORY COMMITEE

Volume 3, Issue 1

WORLD HEALTH ORGANIZATION

A note from the Chair:

Dear colleagues,

Welcome to the 9th IPAC bulletin - the first for 2017. I was very pleased to present the work of IPAC at the SAGE meeting in WHO headquarters at the end of April. I mentioned the variety of work we did in virtual mode via TechNet21, email and teleconference in 2016, and highlights from our February meeting, which is also summarised elsewhere in this bulletin. You can find my **SAGE** presentation at the http:// meeting at: page www.who.int/immunization/ sage/meetings/2017/april/en/

This link also hosts a websummary of SAGE proceedings, focused on vaccine specific topics, with several conclusions highly relevant to immunization practice. On polio eradication, this summary outlines the continuing need in the short-term for Inactivated Polio Vaccine (IPV) to be given as fractional dosing, where this is practical, to ameliorate vaccine supply shortages. The summary also notes the need to prioritise IPV use in routine immunization especially in Tier 1 and 2 countries, and recommen-

ery, in addition to the synergies workforce mapping. between vaccination and water, sanitation and hygiene interventions. Service delivery options for ebola vaccines, in this period when no vaccine is yet licensed, and diphtheria were also discussed along with other programmatic implications such as enhanced surveillance.

Cross-cutting programmatic top- This also updates IPAC's forward including new evidence on the bulletins. This bulletin is reaching role of the **private sector** in im- you a week or so late, my apolotional immunization advisory SAGE to evaluation work in Lhagroups, and a session on national sa, from where I send you my immunization programme man- greetings, agers. This session included country case studies from Pakistan and Armenia and the work of USA CDC and partners in applying a competency framework to mapping and defining the functions needed at the national level. IPAC members will recall discussing this topic in February,

dations for the future incorpora- with several members offering tion of IPV into routine schedules inputs. Proposed global guidance after global OPV withdrawal. Re- to strengthen immunization progarding cholera vaccine, mass gramme management is under vaccination campaigns were dis- development, including a guidcussed as likely to be the most ance document on key functions practical option for service deliv- and competencies, and tools for

Lastly, I'm pleased to see IPAC's new Terms of Reference that realigns us with other advisory committee processes, commits to annual IPAC meetings, and balances two aspects of our mandate: applying a programmatic lens to innovations, and the need to strengthen existing systems. ics were also discussed at SAGE, agenda, of which more in future munization, strengthening na- gies, due to my rapid transit from

Chris Morgan cmorgan@burnet.edu.au



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From the Working Group frontlines

CTC Working Group update

by Anna-Lea Kahn (CTC focal point at WHO and part of the CTC-WG Secretariat)

The IPAC Working Group on the Controlled Temperature Chain (CTC-WG) met in person in Geneva on 13 February 2017, in order As this is a newly established and understanding where the group a unique opportunity to funding limitations are responsimain barriers lie to capitalizing on the thermostability of vaccines. Having a full day, face-to-face meeting of experts and stakeholders on this subject, in contrast to the usual 90 minute teleconferences that are scheduled every two months, allowed for a more thorough discussion during which the concepts and reasoning underpinning the CTC approach to vaccine delivery could be further considered and the varied perspectives and insights on priorities with respect to the program of work in support of CTC were shared. This valuable meeting concluded with consensus on a forward path for the CTC

titis B birth dose vaccine.

to make important headway on working group, meeting in person It should be noted that carrying of examining progress to date a full day to interact offered the required funding.



WHO/EPI— transporting vaccines outside the cold chain

attention and support in order to jectives of the meeting, as de-continued smooth running. ensure the appropriate momen- tailed in the December issue of tum both in upstream efforts to the IPAC Quarterly Bulletin. The bolster supply of CTC-compatible meeting outcomes were presentvaccines and downstream, coun- ed to IPAC for information and try-level efforts to facilitate up- approval during its 14-16 Februtake, measure benefits, and ary meeting, leading to confirmaboost demand for such vaccines. tion of the proposed priorities As detailed in the meeting report and interest in the detailed that is available on request from roadmap under development for

the CTC-WG Secretariat, the four each of the four priority vaccines. vaccines identified as priority for The latter document was the the CTC program consist of 1) main subject of discussion of the Human papillomavirus vaccine WG's teleconference in late April (HPV), (2) Oral Cholera Vaccine and an initial draft is expected to (OCV), (3) Tetanus Toxoid (TT)- be completed by the end of June containing vaccine, and (4) Hepa- 2017, with an aim of seeking further approval from IPAC shortly thereafter.

the critical task of defining a clear also provided an opportunity for out the proposed activities under and precise strategic direction for members to be introduced to one the CTC work plan will be continthe CTC agenda. Central to this another and develop a more co- gent on the WHO-PATH impletask was the stock-taking exercise hesive dynamic hereafter. Having mentation partnership securing ble for some disruption in WHO's ability to fully implement the CTC program, as well as provide adequate human resource capacity to this area of work. A direct consequence has been the inability to further renew the consulting contract of Dörte Petit who had been actively involved in implementing Meningitis A vaccination through CTCs, as well as assisting with the facilitation of this working group. The CTC-WG Secretariat would like to take this opportunity to thank Dörte for her varied and invaluable support to CTC over the past two and a half years and we wish her much success in her future projects. In the interwork-stream, including the selec- exchange views and achieve a im, Carmen Au from WHO has tion of four vaccines which shared vision for CTC, which was joined the working group's secreshould benefit from focused indeed among the principal ob- tariat, she will help ensure its

> The next teleconference of the CTC-WG is scheduled for Wednesday, June 28th at 3pm CET. Anyone interested is welcome to join these calls. Please contact Carmen Au (auc@who.int) for further details.

IPAC 14-16 February 2017 Meeting: a brief summary

The meeting report emerging first two days of the meeting, the Committee . from IPAC's meeting in Geneva which focused on key technical from 14-16 February 2017 is now issues the IVB Department is curavailable online on the website rently dealing with. These sesfor the WHO Department for Im- sions consisted of: munization, Vaccines, and Biolog- I. Immunization supply chain icals (IVB) at the following link: and logistics

http://www.who.int/immunization/ programmes systems/ policies strategies/ipac/en/



WHO / Grevendonk, J.

It provides a summary of each of the six sessions held during the Reference under development for

- II. Global supply, shortages and implementation solutions
- III. Immunization in the second vear of life
- IV. Controlled temperature chain working group - update
- V. Delivery Technology working group - update
- VI. Immunization advisory committees - updates

discussion of the new Terms of patches.

IPAC provided advice on: (1) WHO's Data Reference Manual and guidance to address the increasing demands on data and monitoring imposed by more complex programmes. (2) WHO's operational guidance on vaccination in the Second Year of Life. (3) The Controlled Temperature Chain (CTC) roadmap for the next wave of vaccines to prioritize for on-label single excursions beyond the cold chain. (4) The Delivery Technology working group mapping of innovations in vaccine delivery and product presenta-The third day of the meeting was tion; including the final target dedicated to internal operations product profile for measles and and governance issues, including rubella containing micro-array

IPAC Terms of Reference: update on the ongoing revisions

As highlighted by IPAC Chair, Chris the objectives was also the align- meeting, appearing in the back-Morgan, during his opening note ment of IPAC's mandate and oper- ground literature- or "yellow of the December issue of this Bul- ations with those of the other ad- book"- provided to SAGE and letin, the Committee's Secretariat visory committees serving IVB in meeting participants. SAGE memsought the assistance of an exter- parallel- notably, the Immuniza- bers have been offered the oppornal consultant (former IVB staff tion and Vaccines related Imple- tunity to comment on the new member, Dr Carsten Mantel) to *mentation* examine and revise the Com- Committee (IVIR-AC) and the Prod- the end of May 2017. mittee's terms of reference (TORs) uct Development for Vaccines Adso as to ensure the Committee is visory Committee (PDVAC). Some supporting WHO as effectively as of the governance practices of possible in its work to strengthen IPAC were modified to echo those and improve the delivery of im- applied to the Strategic Advisory munization programmes, as per Group of Experts on Immunization the goals of the Global Vaccine (SAGE), and other WHO Com-Action Plan (GVAP). The TOR revi- mittees. sion exercise was conducted After further feedback provided through a consultation process by IPAC during its February 2017 that allowed for input from a meeting and several rounds of broad range of stakeholders, in- revision following input from the cluding most importantly, senior IVB leadership, the latest internaltechnical staff within the Immun- ly approved version of the IPAC ization, Vaccines and Biologicals TORs were shared with the SAGE (IVB) department at WHO. Among in advance of its 25-27 April 2017

Research

Advisory TORs prior to their finalization by

Among the important changes featured in the new IPAC TORs are annual meetings during the first quarter of each year, a reduction in Committee members from 15 to 11, and the complete removal of dedicated observer seats on the Committee. While IPAC's general mandate remains unchanged, the new core technical areas benefiting its focus are now defined as:

- Innovations for equitable immunization coverage
- Immunization Service Delivery and Programme Management.

CCEOP Country Support: example of Burkina Faso

by Souleymane Kone

support from the CCEOP requires d'Ivoire and Senegal. the submission of a robust proposal, including several mandatory documents.

were facing some challenges to for the four other countries. prepare for the required documents to support their proposals. Particularly, Burkina Faso is in a critical situation as its 2012 Effec- Specific support provided to tive Vaccine Management (EVM) will exceed the five years limit for EVM assessment after June 2017. As part of the subsequent EVM assessment, the country will be required to update its inventory of cold chain equipment. Taking into account the critical situation • Cold chain essential estimation of the cold chain and the urgent need to replace non-functional • Cold chain rehabilitation and and obsolete equipment, Burkina Faso requested technical assistance of the GAVI Alliance partners through AFRO/IST-WA and UNICEF/WCARO.



UNICEF/ Ganivet, S

In response to the request from the Ministry of Health Burkina, a workshop was organized to sup-

The Cold Chain Equipment Opti- port country readiness to GAVI mization Platform (CCEOP) is a CCEOP. In order to maximize the salutary initiative of GAVI Alliance opportunity of technical support that supports eligible countries to being mobilized, the workshop strengthen their supply chains by was further extended to four othacquiring new, high-quality, high- er countries that face similar performance refrigeration equip- challenges, including Benin, Cenment that meets standards. The tral African Republic (CAR), Cote

The mission consisted of a three to five day country workshop to support Burkina Faso, following a Many countries in the region week of inter-country workshop



Burkina Faso includes the review of the following mandatory docu-

- Cold chain equipment inventory data cleaning;
- Cold chain equipment inventory report review;
- methods and scenarios;
- expansion plan;
- National Health strategic documents (plan, service delivery mapping, etc.).

The result of the workshop strengthened the capacity of the new logistics team. An update was provided on tools for monitoring vaccine stock availability and utilization in the national immunization programme.

B. Inter-country workshop to support other countries:

For the CCEOP proposal, the participating countries demonstrated different stages of readiness. With the exception of CAR, all



UNICEF/ Ganivet, S.

countries recently updated their cold chain equipment inventory. Data cleaning and validation, as well as drafting reports were all A. Country workshop to support necessary to complete for all countries. During the workshop, the countries were facilitated through the finalization of mandatory documents:

- Development of facility segmentation and rational for cold chain equipment selection;
- Development of 5-year cold chain equipment deployment plan to cover two phases (i) initial phase of urgent needs (ii) extended phase for replacement and expansion needs;
- Review of the maintenance plan for cold chain equipment and ensure that its funding is adequately covered by government funding or a development partner;
- Ensure that the CCEOP country joint-investment is taken into account and, if necessary, check consistency with the Gavi Health System Strengthening funding;
- Check consistency in the various documents to be submitted.

Further, alignment on the CCEOP application guideline and form

CCEOP Country Support (Cont'd from page 4)

was the next focus:

- Review Gavi CCEOP application guidelines;
- Familiarize and answer key questions on the CCEOP application form:
- Check narrative and coherence ities planned.

After the workshop, countries are required to finalize their proposals with all mandatory documents and make necessary en-

dorsement before submitting to of the EPI logistics support activ- Gavi Secretariat for further WHO pre-review. For the May round of WHO pre-review, the deadline for submission is 3rd May 2017. Countries will have another opportunity to submit their final proposal in September 2017.

Home-based record revitalization workshop in Africa:

Summary report - by David Brown

In the December 2016 (Volume 2, Africa workshop conducted pre-Issue 4) issue of the IPAC Bulletin, workshop activities that included the importance of well-designed, health facility visits to talk with durable and legibly completed and observe caregivers and health records home-based highlighted. During February 2017, representatives home-based from Cameroon, Ethiopia, Liberia, prepared, produced, distributed Nigeria, Rwanda and Uganda and used. Participants brought gathered in Kampala, Uganda to this information, which rethink improve country's current home-based input record design and functionality as workshop to help the teams think well as the broader system that beyond usual assumptions and supports the home-based record ground their decisions on actual to address issues such as stock- observations outs described in this link https:// perception. goo.gl/aSqEF2

vaccination card, health book) but perhaps more importantly an implementation plan to move forward as well as a conviction that addressing the needs of primary users ensures that the home-based record is valued by, and meaningful to, the intended users.

Following user-centered approach, participants of the

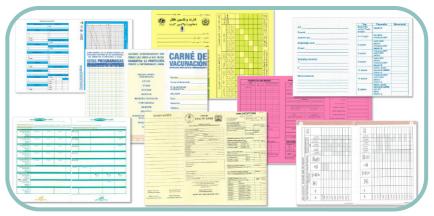
was workers, as well as to collect 21-24 information to map out how their records their shared across country teams, as the following link: https://goo.gl/ to the cross-country rP1mA7 rather

Participants not only walked away with the initial framework of a workshop-in-africa-reportfrom the workshop with a business case for investment in summary on TechNet. Comments prototype of their home-based record systems, a are welcome. improved home-based records document which is available in



Home-based record vaccination section

We encourage readers to take a quick read through the final workshop report available here http://www.technet-21.org/en/forums/discussions/ Participants were also provided home-based-record-revitalization-



WHO / Digital Home-based record collection from Member States

Announcing a special issue of *Vaccine* on supply chains

A special issue on **Immunization Supply Chains** has just been released in *Vaccine*, follow the link below!



Vaccine: Volume 35, Issue 17, Pages 2101 -2278 (19 April 2017): **Building Next Generation Immunization Supply Chains**

http://www.sciencedirect.com/science/ journal/0264410X/35/17

Upcoming Meetings & Events:



- ⇒ 05 May 2017 Geneva, Switzerland: WHO maternal influenza epidemiology working group dissemination meeting
- ⇒ 22–31 May 2017 Geneva, Switzerland: Seventieth World Health Assembly
- ⇒ 29–31 May 2017 Geneva, Switzerland: SAGE WG on Typhoid Vaccines
- ⇒ 12-15 June 2017 Geneva, Switzerland: PCV Technical Expert Consultation and SAGE WG on PCVs
- ⇒ 20–22 June 2017 Geneva, Switzerland: SAGE WG on Measles and Rubella
- ⇒ 26–29 June 2017 Geneva, Switzerland:
 15th Global Measles and Rubella
 Laboratory Network (GMRLN) meeting

A final word from the IPAC Secretariat

This Spring issue of the IPAC Bulletin was prepared thanks to the skilled efforts of the latest addition to the Supply, Technologies, and Financing (STF) team within the Expanded Programme on Immunization (EPI), Ms Carmen Au. Though Carmen has joined EPI as a consultant to mainly assist the preparations for the 2017 TechNet Conference taking place next October in Cascais, Portugal, she will also be offering support to the IPAC Secretariat. As you will have noted from the CTC Working Group update, she has already been active with that group too and so will probably continue to become a familiar name to you. Carmen has a background in Biochemistry and has a proven track record as an excellent project manager.

The next main opportunity for discussion and dialogue for our Committee will be during a web-based teleconference we are hoping to schedule in early July. Members should stand by for a doodle poll which will allow us to identify the most appropriate timing.

In the meantime, IPAC members are invited to keep an eye on the IPAC online discussion group for any additional relevant announcements and discussions as a number of items are in the pipeline for submission to IPAC in the coming months, such as the draft CTC Priority Vaccine Roadmap.

The IPAC Secretariat Team