

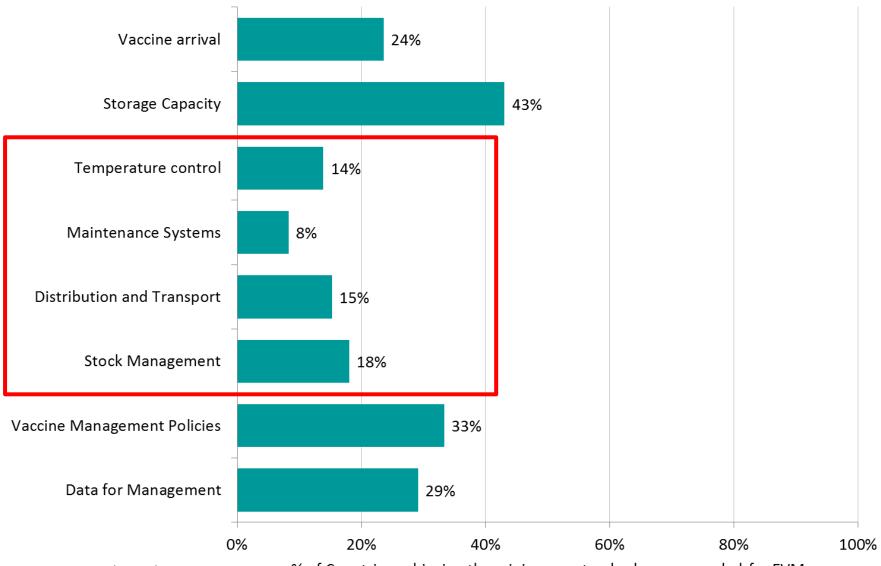
# **Ensuring the Basics are Fixed:** Vaccine Management Best Practice



Diana Chang Blanc, WHO 12 May 2015

### **Basic vaccine management is a concern**

### **EVM Assessment Findings in 70 Countries**



Source: WHO (2015)

% of Countries achieving the mininmum standard recommended for EVM

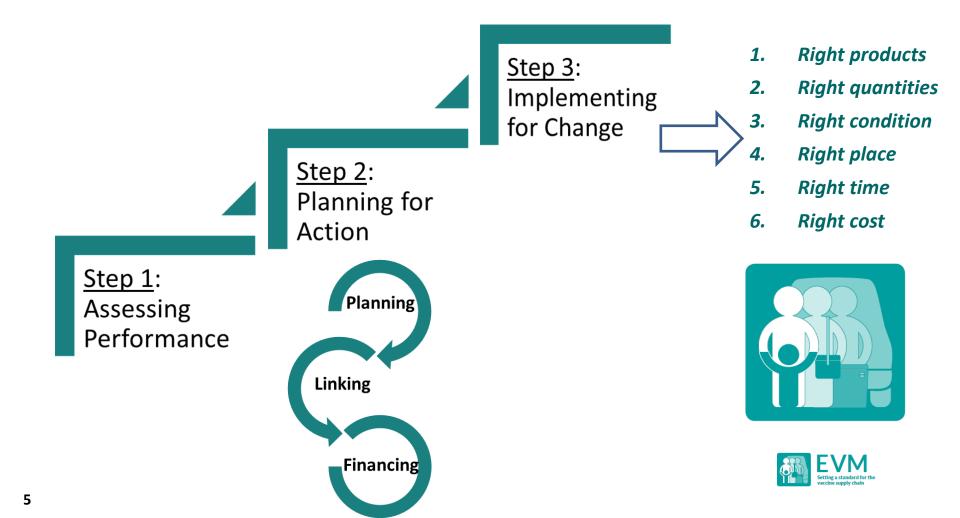
Network design, system optimization and innovations are important . . .

## ... but performance on a poor foundation is wobbly

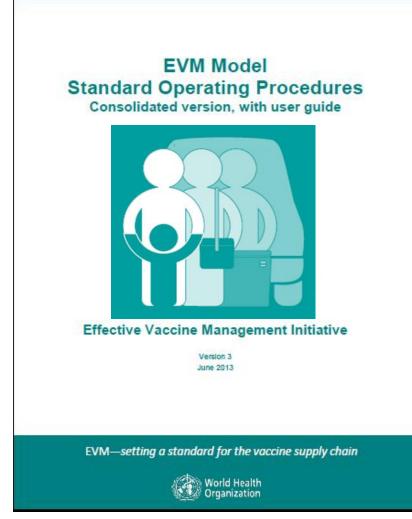


## **Comprehensive EVM Initiative**

Essential component of WHO/UNICEF strategy for immunization supply chain strengthening in-country: Fixing the basics + innovation



## **Back to basics: EVM Standard Operating Procedures**



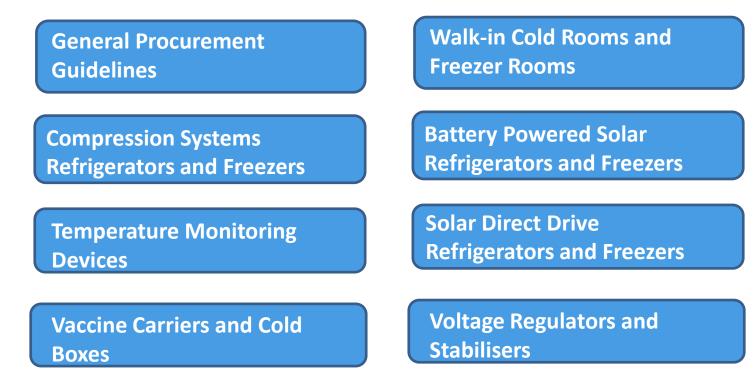
ΤΟΡΙϹϚ	SOPs
E1. Vaccine arrival	3
E2. Temperature monitoring	3
E3. Storage capacity	2
E4. Buildings Equipment Transport	1
E5. Maintenance	6
E6. Stock control	8
E7. Distribution	6
E8. Vaccine Management	2
E9. General Programme Management	3

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

## UNICEF cold chain support package (CCSP)



- Provides commercial and technical information to enable an efficient and effective procurement process for Cold Chain products and service
- Series of Eight Modules



7 http://www.unicef.org/supply/index\_68367.html

### **Updated Guidance Materials**



### unicef

Vaccine vial monitor (VVM) assignments for different WHO-pregualified vaccines and their proper handling

### INFORMATION BULLETIN - July 2014

HANDLING O

WHO P

Multi-de

Revision 2014

This information bulletin addresses the varied implications of different types of vaccine vial monitors (VVMs), notably VVM category type 7 (VVM7) and VVM category type 14 (VVM14), on vaccines such as the Inactivated Polio Vaccine (IPV) and the fully-liquid Diphtheria-Tetanus- whole cell Pertussis-Hepatitis B-Haemophilus influenzae type b (DTP-HepB-Hib, commonly referred to as pentavalent). The note is directed to countries that are currently supplied by UNICEF Supply Division with these specific presentations of vaccine. The information is intended for WHO/UNICEF staff, as well as EPI managers or other partner agencies which support immunization programmes.

### ١. Summary

To be published soon Different VVM types present important implications for the handling of a give category assigned by WHO reflects the respective heat stability of the vac information note, vaccine products with a lower VVM assignment will natu eir discard point more quickly than those with a higher VVM assignment, even when a ared within the +2°C to +8°C temperature range. Countries should be alert to the type of vaccine product they receive and are handling so that effective vaccine management measures are in place to preserve the life of the VVM for as long as possible.

### VVM assignments for IPV and DTP-HepB-Hib .

At the time of this Information Note, Table 1 lists the IPV and DTP-HepB-Hib vaccine products pregualified by WHO. Most pentavalent vaccine presentations come with a VVM of the thermostability category type 14, or VVM14. However, there is one vaccine product which is currently pre-gualified with a thermostability category type 7, or VVM7.

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accine Diluents ed (powder) vaccine in order to vaccine for administration. A refore requiri

> by the Some diluents ontain stabilizers and

lace the diluent assigned by the

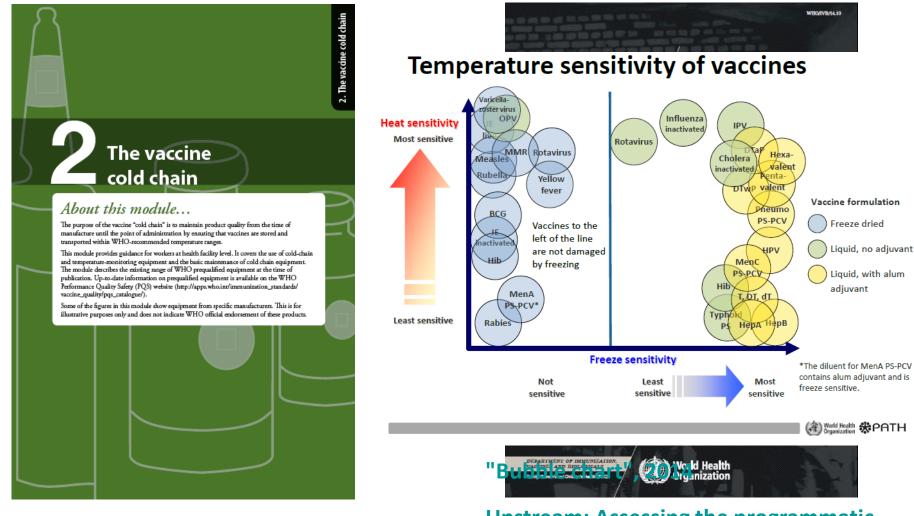
f vaccine diluents

e vaccine, they should always be

is +2°C to +8°C. In the event that not packaged with the vaccine can r's instructions allow it. However, regarding cooling prior to

freeze-sensitive ingredients. If um adjuvant or a freeze sensitive ducting the shake test.

### **Updated Guidance Materials**



Downstream: Immunization in Practice, 2015

Upstream: Assessing the programmatic suitability of vaccine candidates for WHO prequalification, 2014

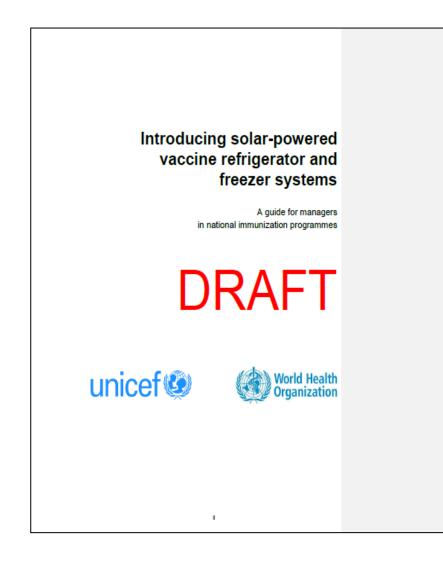
# New Guidance Materials: Vaccine Management Handbook



### **E-learning** 🕒 www.epela.net/epela 🗙 📃 🗊 🗖 M https://mail.google.c 🗴 🔞 https://www.google. 🗴 🎯 http://www.tripadvis 🗴 🞯 http://www.tripadvis 🗴 P EPELA x Ξ ŵ **OPELA** World Health Organization extensio et progressio / authentic e-learning e-VVM Based Vaccine Management Course e-VVM based vaccine e-VVM course introduction management course dates for Mentors 2014 and 2015 from EPELA PLUS 6 October - 5 December 2014 $\square$ 26 January - 27 March 2015 Who 20 April - 19 June 2015 said what VVM based vaccine 5 October - 4 December 2015 management Credits Authentic e-learning course Apply online INTRODUCTION Sponsors World Health Organization epela-3 GL:/VQ Introduction Collaborators 03:15 PDF IIII HD :: vimeo Video Introduction Learning Programme Document Video Objectives Library Library https://vimeo.com/epela e X 01:42 EN 📻 🗄 🐘 🔽 🚱 🗱 🎦 🦑 🚱 💆 🗰 12/05/2015

## http://www.epela.net/epela\_web/evvm.html

# New Guidance Materials under development: Still to come....





**EVM Handbook Series** 

- How to Manage Stocks Effectively
- How to Forecast Vaccines
- How to Calculate Vaccine Volumes & Capacity
- How to Develop Preventive & Repair Maintenance Systems

### Conclusion

- Management of immunization supply chain and logistics has grown increasingly complex
- Concerted efforts to develop resource and guidance materials to inform decision-making
- Help countries consolidate the essentials in order to enable them to innovate
- The greater challenge is in <u>implementation</u> of practice

### **Acknowledgements**



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