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Vaccine Procurement
Practitioners Network

Webinar Series
2018-19

Thematic discussion 5 **Supply Chain Strengthening**

24 April 2019

VPPN 2018-19 Webinar Series

1. Planning / Forecasting
2. Budgeting / Financing
3. Price
4. Regulatory Systems Strengthening (RSS)
- 5. Supply Chain Strengthening**
6. Strategic Procurement
7. Human Resources
8. Governance
9. Sourcing Products



Speaking now

Moderator: Leslie Paas
*VPPN Community of
Practice Manager*

Today's panelists/presenters

**UNICEF SD Invited Expert:
Manuel Celestino Lavayen**



**Supply Chain Manager
Supply Chain Strengthening
Centre (SCSC)
Copenhagen, Denmark**

**National Government:
Dr. Duong Thi Hong**



**Deputy EPI Manager,
Deputy Director**

**National Institute of Hygiene and Epidemiology
Hanoi, Vietnam**

Dr. Nguyen Dac Trung

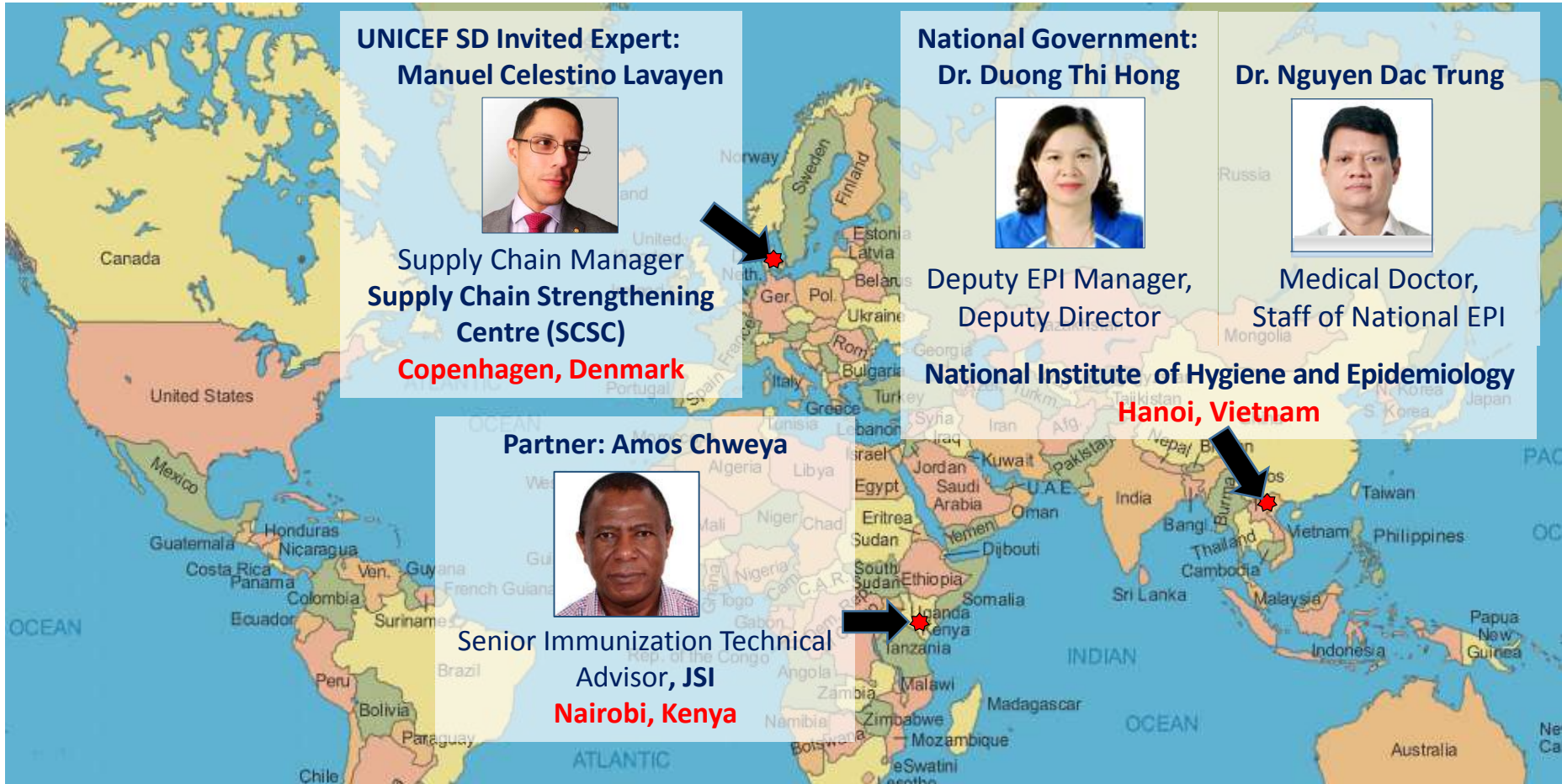


**Medical Doctor,
Staff of National EPI**

Partner: Amos Chweya



**Senior Immunization Technical
Advisor, JSI
Nairobi, Kenya**



Today's moderators and participants

Loic Sanchez

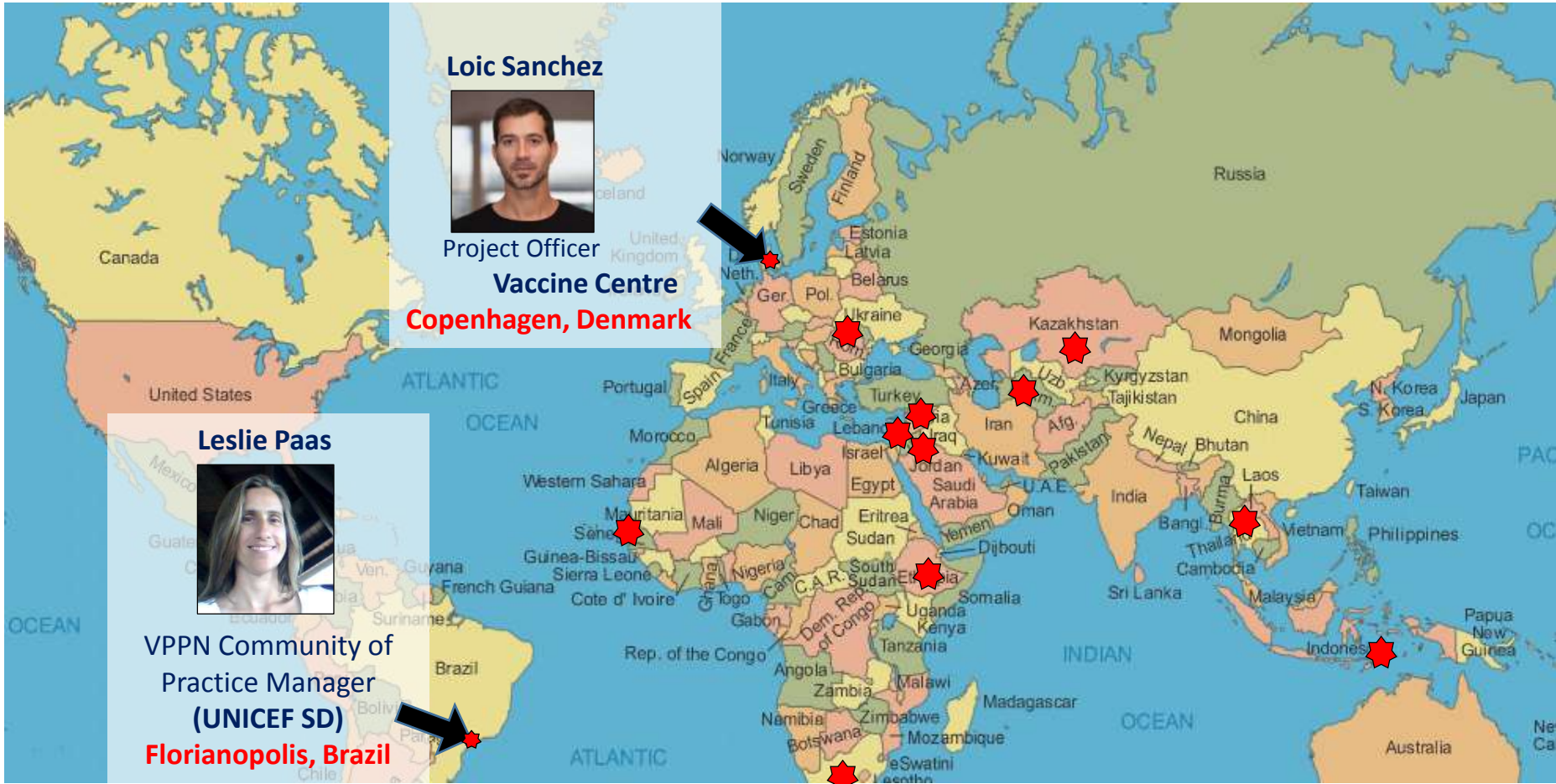


Project Officer
Vaccine Centre
Copenhagen, Denmark

Leslie Paas



VPPN Community of
Practice Manager
(UNICEF SD)
Florianopolis, Brazil



Webinar format: country presentations followed by panel-style discussions



Moderator: Leslie Paas
*VPPN Community of
Practice Manager*

- Overview/Introduction (*3 minutes*)
- Key Issues & Update on Supply Chain Strengthening by UNICEF SD; presentation of new tool (*10 min*)
 - *Question/comments session (10 min)*
- Vietnam presentation (10-15 minutes)
- Panelist & Participant discussion (10-15 min)
- Summary & Wrap-up (*2 min*)



Immunisation Supply Chain Strengthening

Developing evidence-driven health supply chains



UNICEF Supply Division - Copenhagen, Denmark



Speaking now:

Manuel Celestino Lavayen
Supply Chain Manager,
Supply Chain Strengthening
Centre (SCSC)

Strengthening Immunisation Programmes



Speaking now:
Manuel C. Lavayen
UNICEF, Denmark



Holistic management

Capacity to manage **national health systems from end-to-end**, across all SC operations and enablers



Data analytics

Capacity to **mine, harness and exploit data to transform it into actionable evidence** to drive policy-level and tactical decisions



Equity + Coverage

A resilient, efficient and evidence-driven **supply chain serves as a key enabler** to increase equity and coverage for all

Data analytics to support SCS efforts



Speaking now:
Manuel C. Lavayen
UNICEF, Denmark



Data or information?

Data needs to be **harnessed, mined and exploited to be transformed into information** to support decision making processes



Understanding impact

Evaluate **achieved impact through a systematic method** to identify priorities amid dynamic situations



Driving decisions

Utilize **multiple data-streams to have an in-depth understanding of the situation to inform strategic & tactical decisions**

Connection to procurement



Negotiation capacity

Increased **transparency across product utilization, demand patterns & policy implementation** enhances negotiation capacity



Vendor management

Management benefits from a **holistic approach that includes multiple parameters** to select vendors



Planning

High-integrity data to **support supply and demand planning related processes** across all levels of the supply chain



Speaking now:
Manuel C. Lavayen
UNICEF, Denmark

Thank You!



Speaking now:
Manuel C. Lavayen
UNICEF, Denmark

**To learn more about this process and how
it may add value to you, please contact:**

Manuel E. Lavayen
Supply Chain Strengthening Centre

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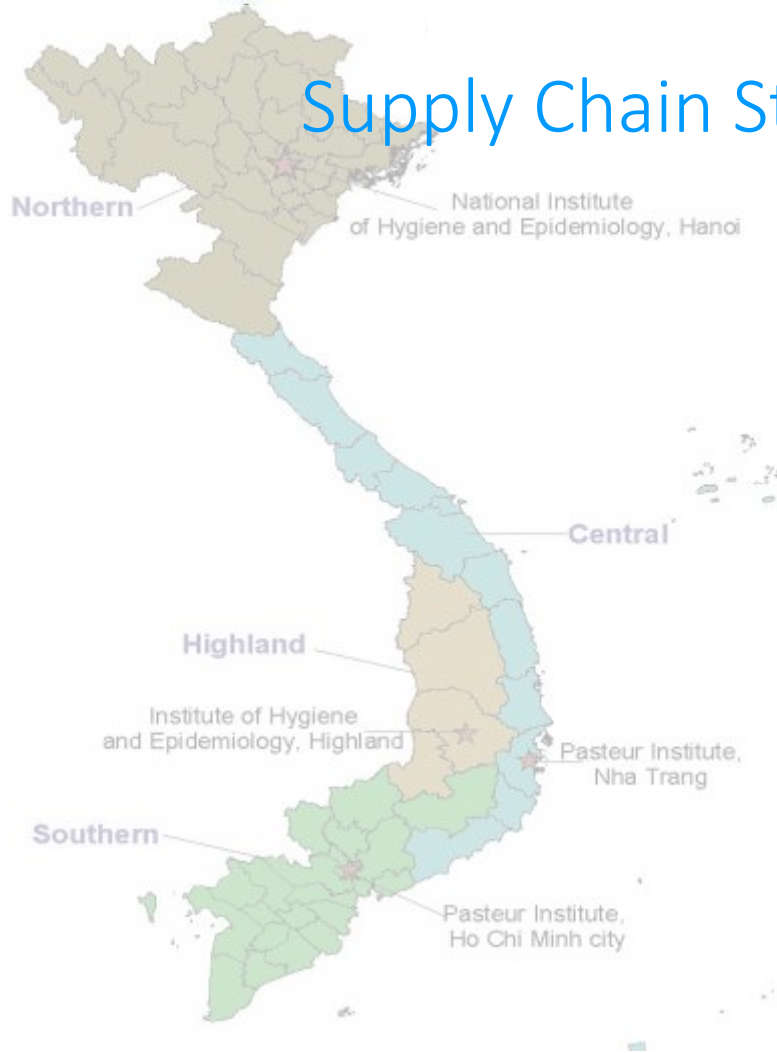
Questions/Comments?



Moderator: Leslie Paas
*VPPN Community of
Practice Manager*



Supply Chain Strengthening in Vietnam



Dr. Duong Thi Hong

Deputy EPI Manager,
Deputy Director

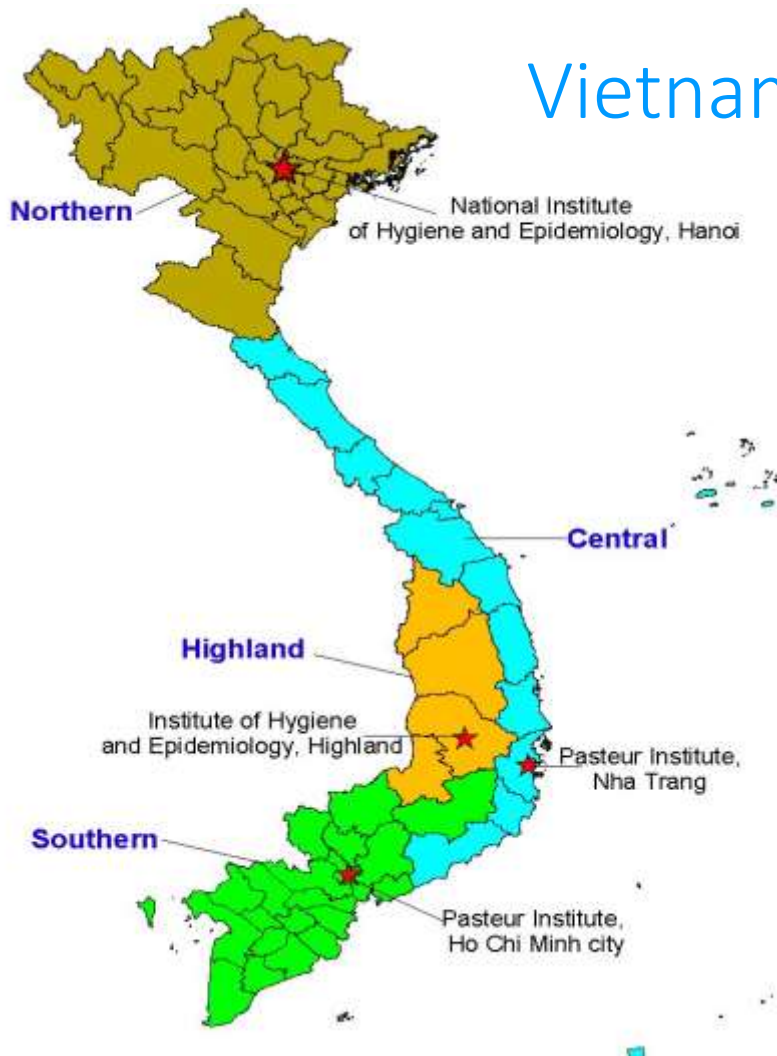


Dr. Nguyen Dac Trung

Medical Doctor,
Staff of National EPI

**National Institute
of Hygiene and Epidemiology
Hanoi, Vietnam**

Vietnam: Overview



population: 92.6 m.

< 1 year old: 1.7 m.

regions: 4

provinces: 63

districts: 710

communes: 11,154



Speaking now:

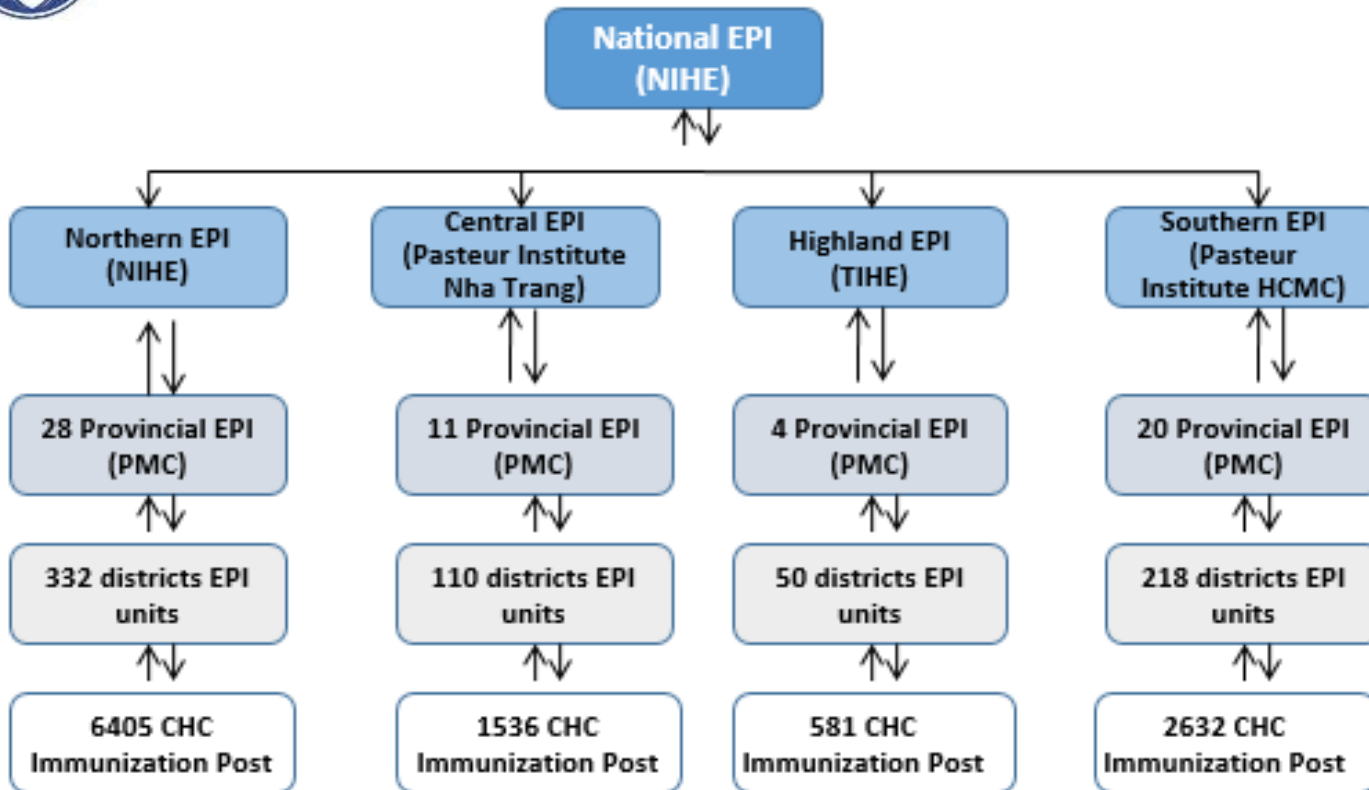
Dr. Nguyen Dac Trung

National Institute of
Hygiene and Epidemiology

Vietnam



Vietnam's EPI system



Speaking now:
Dr. Nguyen Dac Trung
National Institute of
Hygiene and Epidemiology
Vietnam



Demand of vaccines for EPI routine immunization

Vaccine	Hep B	BCG	DPT-HepB-Hib	OPV	IPV	Measles	Measles and Rubella	JE	DPT	TT
Dose per vial	1 dose /vial	10 doses /vial	1 dose /vial	20 doses /vial	10 doses /vial	10 doses /vial	10 doses /vial	10 doses /vial	20 doses /vial	20 doses /vial
Total (doses)	1.5 m	3.5 m	5.0 m	8.0 m	2.6 m	2.6 m	2.6 m	7.5 m	3.6 m	5.0 m

Routine + SIAs

- 45 million doses of vaccines are used each year
- Over 30 millions immunization shots per year



Vaccine usage norm

(approved vaccine usage factor) (applied since 2017)

Vaccine	Delta region	Highland	Moutainous region
	Vaccine norm	Vaccine norm	Vaccine norm
BCG	1.8	2.5	3.5
OPV	1.5	1.8	2.0
DPT	1.8	2.0	2.5
Measles	1.3	1.8	2.0
TT	1.5	1.8	2.0
Hep	1.05	1.05	1.05
DPT-HepB-Hib	1.05	1.05	1.05
JE	1.3	1.8	2.0
MR	1.3	1.8	2.0

Supply Chain Strengthening good practices

Vaccine supply

- System of vaccine delivery from national to grassroots level (commune health center)
- Vietnam procure vaccine from domestic producers for most of EPI vaccine and through UNICEF for pentavalent vaccine. In addition to procurement through UNICEF, Vietnam could self procurement of pentavalent vaccine through National Center for Procurement with price per dose as low as procurement through UNICEF
- Vietnam has National Immunization Information System (NIIS) that could manage the vaccine by each dose from national store to the vaccination post
- Vaccine usage norm (approved vaccine usage factor) have been applied at all EPI levels and showed it's effectiveness in management of vaccine wastage.



Speaking now:

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National Institute of
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Vietnam

Supply Chain Strengthening good practices



Speaking now:

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National Institute of
Hygiene and Epidemiology

Vietnam

Cold chain system from national to grassroots level (commune health center)

- EPI cold chain system has enough PQS cold chain equipment for national, regional, provincial and districts levels. CCEOP1 will replace the old refrigerators at provincial and district levels. Fund for new equipment is from GAVI and from central/ local government
- Vietnam has experience and could conduct cold chain maintenance, installment for EPI cold chain equipment

Supply Chain Strengthening challenges and lessons learned

- ✓ In 2021-2025, Vietnam will totally self-sufficient in procurement of pentavalent vaccine.
- ✓ Supply IPV and new vaccine require additional investment from the government
- ✓ Strengthening cold chain to meet requirement of EPI vaccine storage including new vaccine in EPI
- ✓ Supply specialized vaccine refrigerators to communes in mountainous and difficult areas
- ✓ Central/Local government budget to support procurement of spare parts for cold chain maintenance activities



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National Institute of
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Vietnam

Conclusion/way forward

- ✓ Vaccine manufacturers to maintain vaccine price in gradually reducing trend as in 2016-2020, to increase opportunities for introduction of new vaccine into EPI, to reduce burden for Government budget.
- ✓ GAVI continuously support Vietnam to introduce new vaccine in EPI
- ✓ UNICEF continuously support Vietnam in effective vaccine management.
- ✓ Vietnam should be continuously received support from international organizations for cold chain system, CCEOP2.



Speaking now:

Dr. Nguyen Dac Trung

National Institute of
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Vietnam



Thank you for your attention!



Panel Discussion/Questions



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JSI
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Moderator:
Loic Sanchez
Supply Officer
(Immunization)
UNICEF SD



Next steps

- The **webinar recording/Q&A transcript and Presentation Slides** will be available on the VPPN platform
- Ongoing VPPN e-discussion spaces:
 - Regulatory System Strengthening
 - Price
 - Financing/Budgeting
 - LMIS
 - Market Intelligence



Moderator: Leslie Paas
*VPPN Community of
Practice Manager*

THANK YOU

*Take note: May's VPPN theme:
Strategic Procurement
The webinar is tentatively scheduled
for May 22nd*