# Developing Countries' Vaccine Manufacturers' Network International

Improving vaccination for all people



### Mission: our purpose and mandate



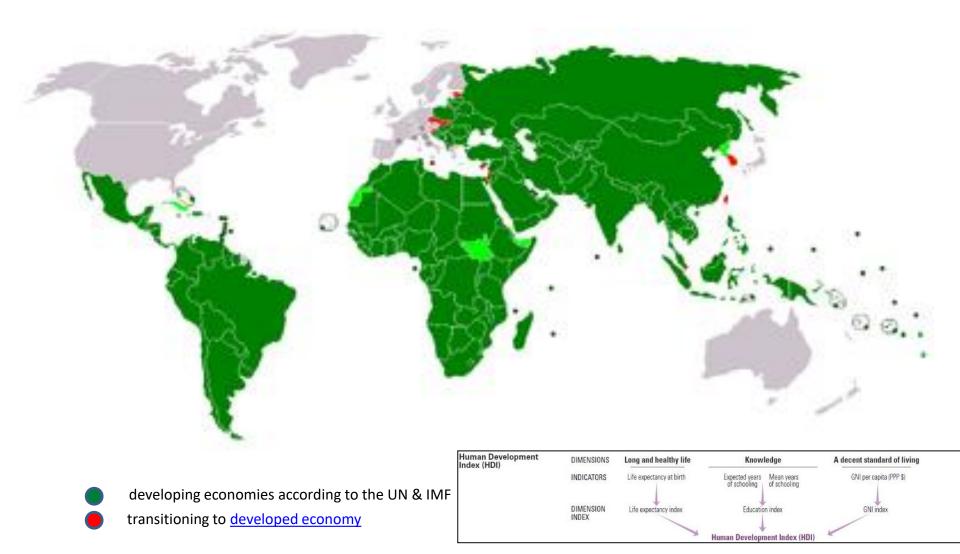
 To protect all people against known and emerging infectious diseases, by improving the availability of high-quality vaccines globally.

### **DCVMN** International

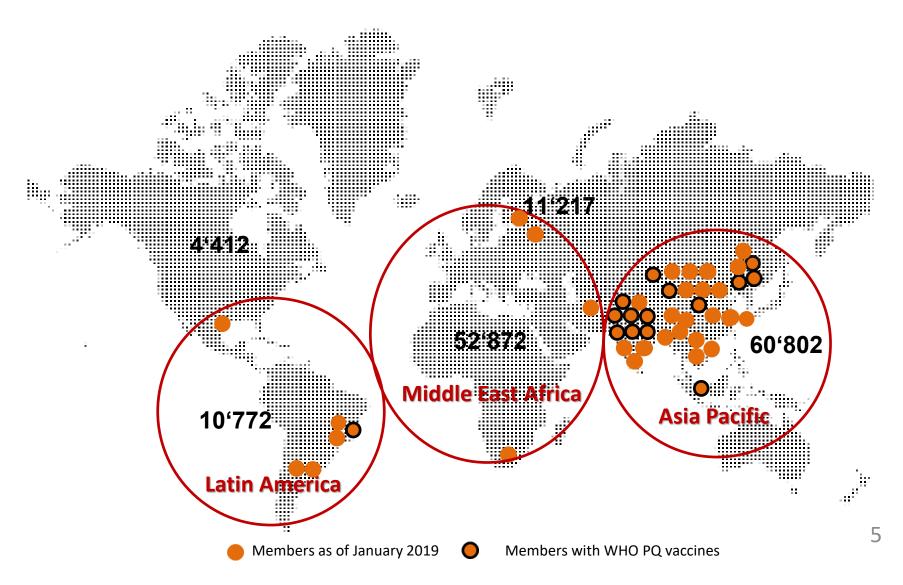
• It is a <u>voluntary</u>, <u>non-governmental</u>, <u>non-partisan</u>, <u>not-for-profit</u>, <u>public health driven</u> alliance of vaccine manufacturers, research and policy organizations from all over the world.

 Operates based on principles of international scientific, technical and economic cooperation.

## **Developing Countries Economies**

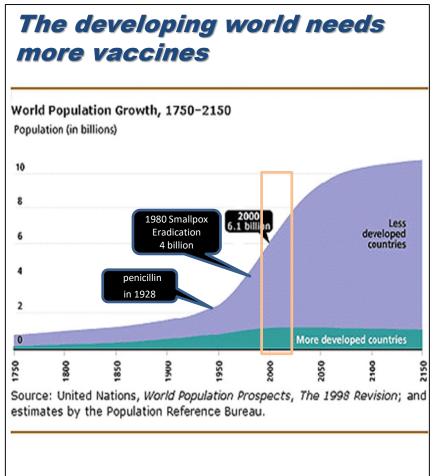


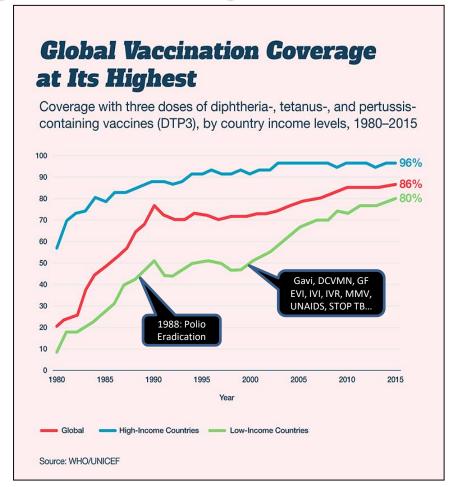
### DCVMN 2019: 45 manufacturers from 14 countries/territories



number of birth cohorts 2015 regionally are indicated in black (x1000) <a href="http://www.who.int/immunization/monitoring\_surveillance/data/en/">http://www.who.int/immunization/monitoring\_surveillance/data/en/</a>

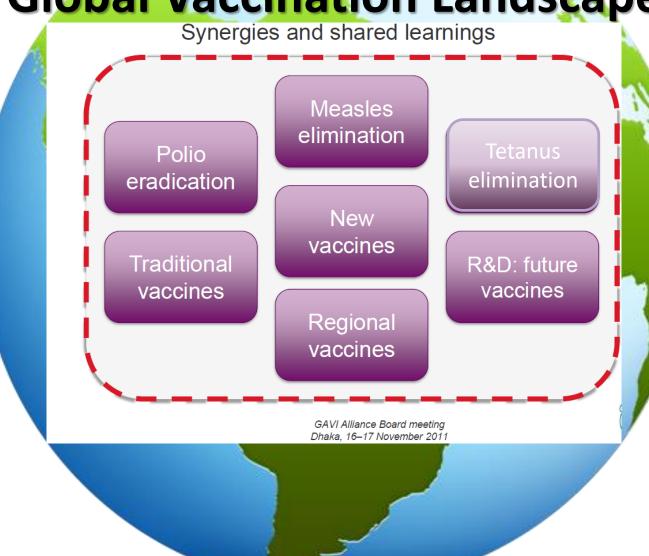
## Our Challenge: vaccination to all people Our Chance: partnerships





https://www.gatesnotes.com/2017-Annual-Letter

# DCVMN Contributions to the Global Vaccination Landscape



### DCVMs preventing regional infectious diseases

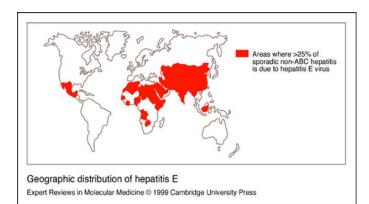
### New conjugated Typhoid Fever vaccines

# Typhoid Fever vaccines

### **MenAfriVac**<sup>TM</sup>



#### **Hepatitis E vaccine**



## Japanese encephalitis



**Yellow Fever Vaccines** 



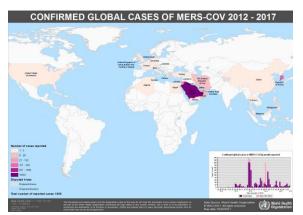
## EV-71 Enterovirus, HFM



### **Outbreaks with epidemic potential**

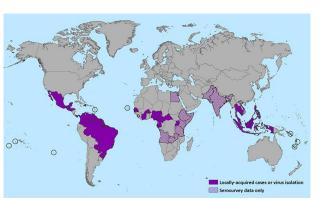
Ebola MERS LASSA







**ZIKA** 



**CCHF** 



AL

### NIPAH



# Initiatives to Support DCVMN Members to improve vaccine supply globally

Proposal 2019-2021

BILL & MELINDA
GATES foundation

## Developing Countries Vaccine Manufacturers Network

# Initiatives to Support Members BILL



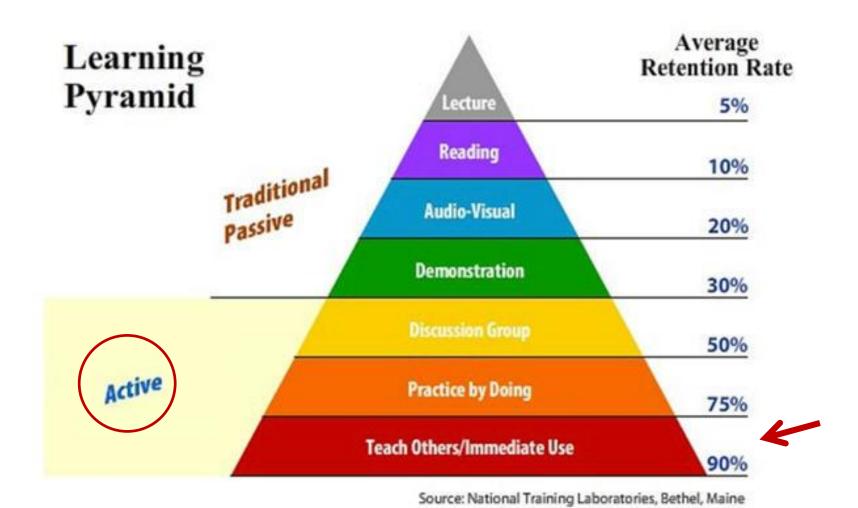
#### Our main 3 goals are to:

- build technical capabilities and strengthen capacity of MFs to produce and deliver quality vaccines across the long-term,
- B) proactively engage DCVMN members on priority issues shaping the broader landscape (e.g., regulatory knowledge, supply chain, etc.) and
- establish more systematic and proactive dialogue with international bodies to shape the thinking on high priority DCVM issues.

Interviews and extensive discussions were conducted with members and 6 initiatives were **recommended**:

- 1. Training: Expand current QMS programs to include training on GMP, GCP, GLP, GDP, PV, and other issues as they arise
- Expert networking: best-practice sharing, peer to peer communications through expert working groups and hands-on training
- 3. Support established efforts to advance regulatory convergence approaches on a regional basis
- 4. Increase access to international expert consultants for needed ad hoc support
- 5. Use AGM to engage members on new technology adoption
- 6. Support for pharmacovigilance (PV) projects to enhance vaccines safety monitoring

### 1. Teach to Reach



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## 2. Expert Networking

- Enhance <u>best-practice sharing</u>, and peer to peer communications through expert working groups and hands-on training, as possible
  - Supply-chain experts working group
  - QC assays & technologies
  - Biosafety/Biosecurity expertise
  - Formulation & filling expertise
  - Clinical studies
  - Etc...

# 3. Foster dialogue to advance regulatory convergence approaches

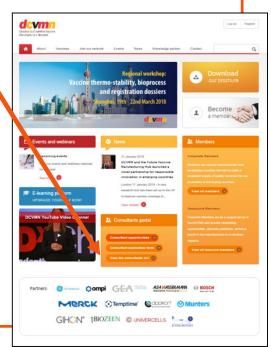
Challenges to registrations were identified by an independent expert consultant and discussed with members

- ✓ Create <u>consensus among manufacturers from both</u>
  <u>DCVMN-IFPMA</u> on key points for dialogue before communicating with NRAs
- ✓ Two papers published to increase awareness of challenges and solutions
- ✓ Supporting engagement of DCVMs in regulatory open discussions at stakeholder meetings, as for example:
  - > AVAREF, ICDRA, ASEAN, PANDHR, CoRE as appropriate
- ✓ Study on changes/variations to improve vaccines' access



### 4. Access to International Experts

- DCVMN's Consultants Portal at www.dcvmn.org
- Consultants register themselves in the DCVMN database
  - Centralized pool of expertise
  - Transparency on qualifications
  - Consultants based in 22 countries
  - Declared availability to DCVMN and to Members
  - Not working for other manufacturers and "moonlighting"
- > 100 registered consultants; <u>ca.</u> 50% already "engaged" by DCVMN



# 5. Engage members on innovative technologies adoption

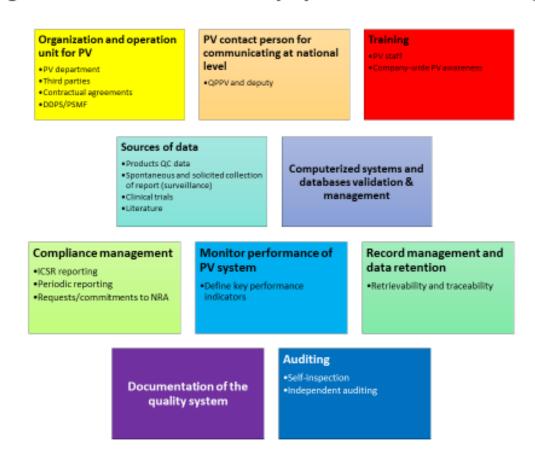


30<sup>th</sup> October 2018, AGM, Bill Gates: "looking forward to the partnerships we can have over the next decade"

https://www.dcvmn.org/IMG/pdf/bill gates kunming video news.pdf

# 6. Pharmacovigilance (PV) to improving vaccines safety monitoring

Building Blocks of Efficient Quality Systems for Pharmacovigilance\*



<sup>\*</sup>Courtesy of O. Menang, PATH

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# Memberships and Strong Partnerships towards building healthy countries

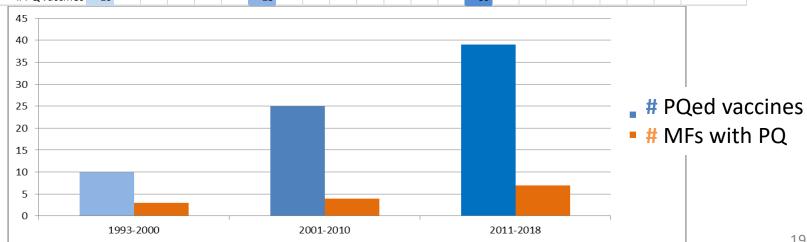


Credit: http://www.vibincblog.com/?tag=partnership

"Coming together is a beginning; keeping together is progress; working together is success."

### Number of DCVMs PQed vaccines over 25 years:





(\*Sanofi = 30; GSK = 17; Seqirus = 6; MSD = 4; J&J = 2; Pfizer = 2 among others MFs)

## **DCVMN Collaborating organizations** and Partners

















































\*PATH













Individually we are one drop, together we are an ocean Ryunosuke Satoro

## DCVMN International

www.dcvmn.org