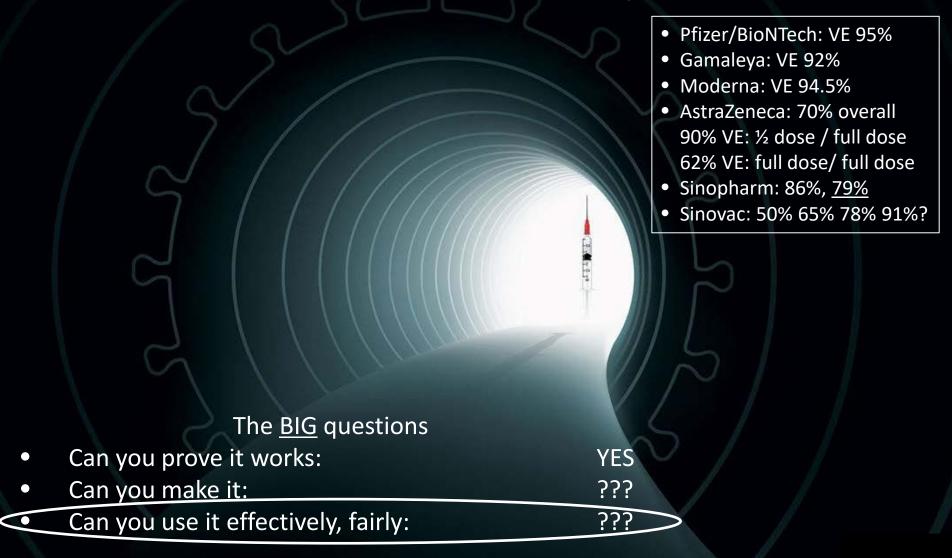
COVID-19 Vaccines: the daze beyond efficacy

Jerome H. Kim, MD International Vaccine Institute 11 January 2021



"vaccines" are the answer, what are the questions?





COVAX: potential for near concurrent access



189 countries have joined COVAX

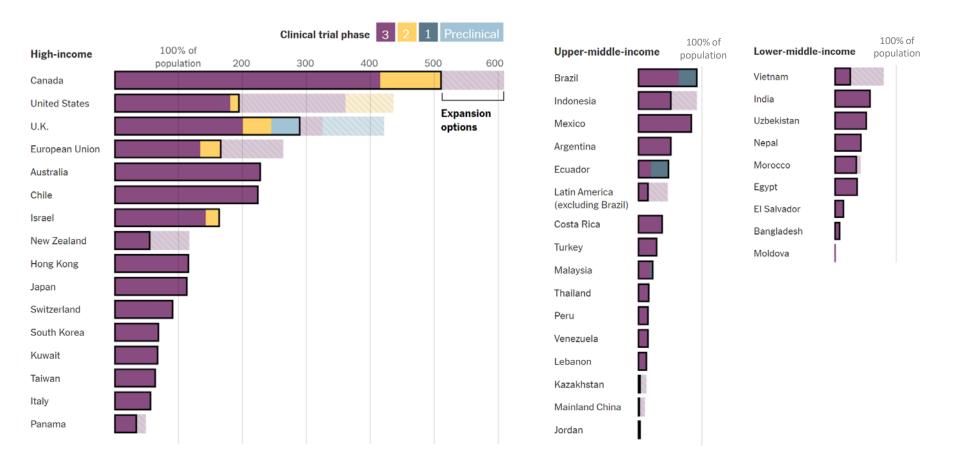
- Organized by CEPI, GAVI, WHO
- Coordinated by Gavi under ACT Accelerator activity
- 92 LMIC could be supported by the COVAX AMC
- 2 billion doses of WHO PQ'd vaccines by end of 2021
- Roughly 20% of need

Updated 29 Oct 2020, Duke Global Health Innovation Center. (2020). Launch and Scale Speedometer. Duke University. Retrieved from: https://launchandscalefaster.org/covid-19

- But 8.8 billion doses are reserved, mainly by high income countries
- Modeling suggests that exclusive use of the first 2 billion doses by high income countries without some equity will <u>double</u> global deaths
- Is COVAX at high risk of failure (Reuters/Gavi) or hitting its vaccine commitment targets (WHO)?



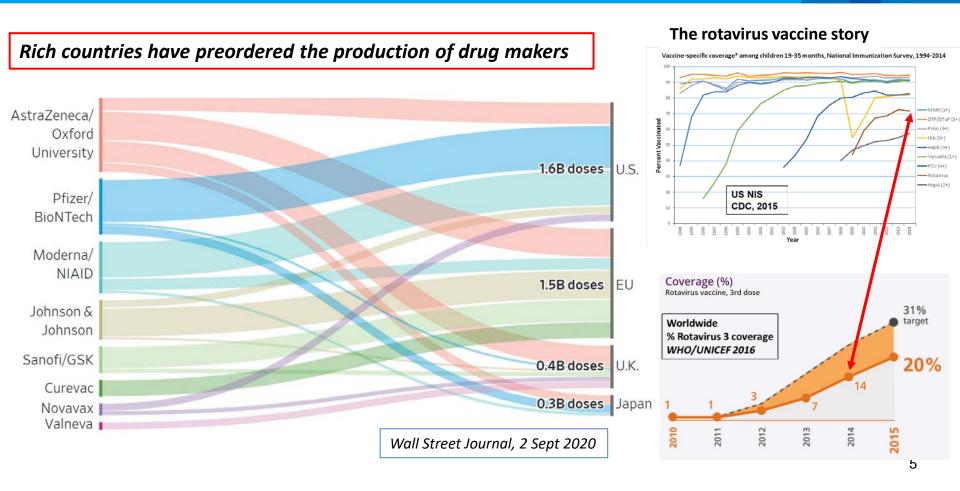
Pre-orders by countries stratified by income



NYT 15 Dec 2020, Duke Global Health Innovation Center, income ranking by WB



Equity and access – avoiding the Equity Gap

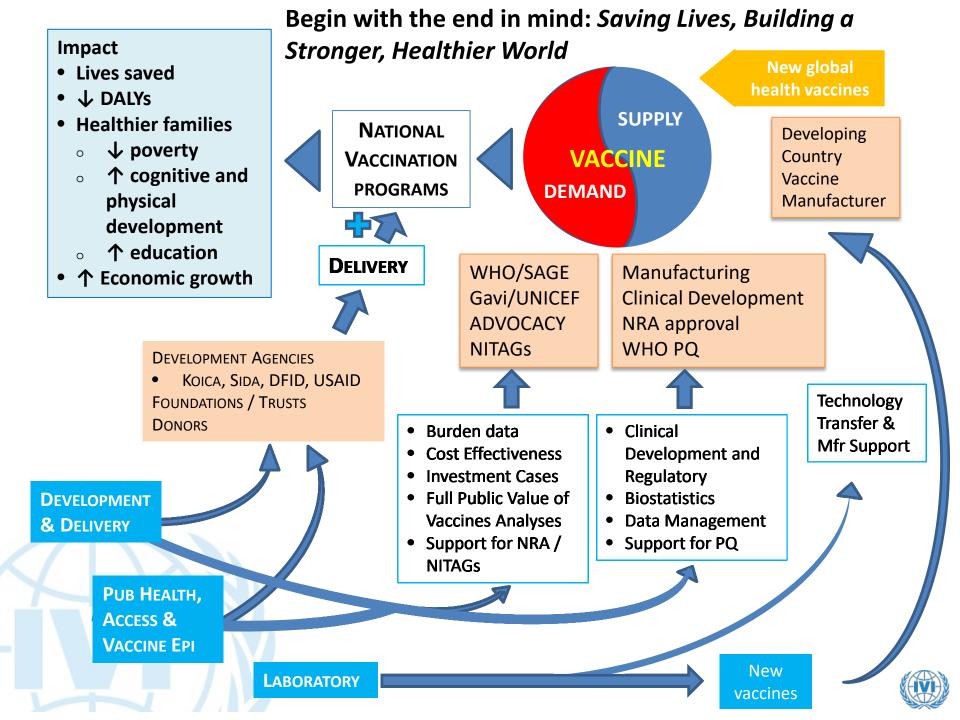


13 years after rotavirus vaccine was approved by the US FDA and 11 years after WHO recommendation, 60% of children do not receive 3 doses of rotavirus vaccine

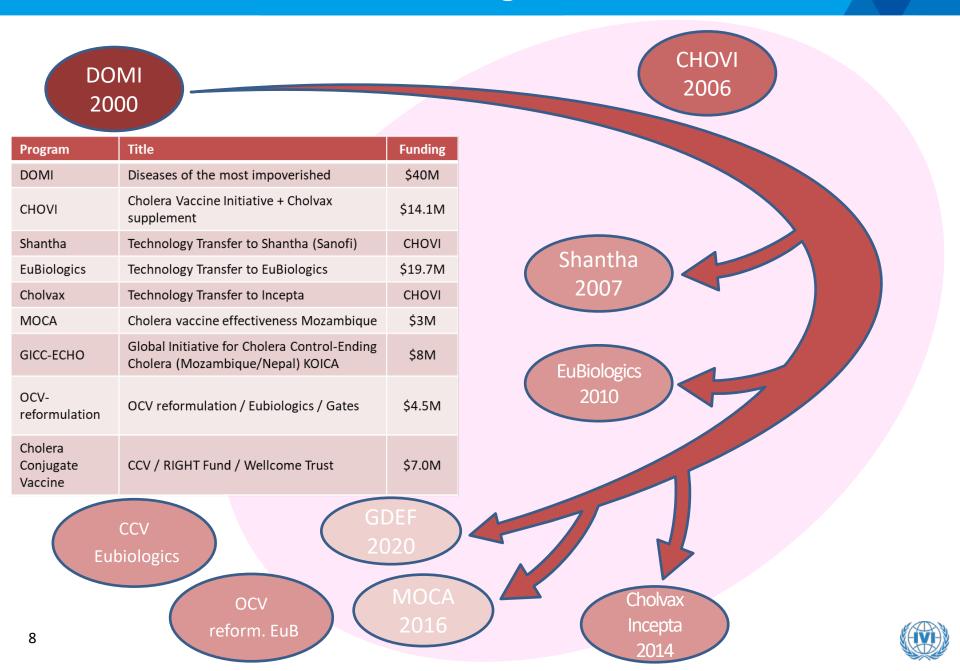


IVI: Bioinnovation & Facilitation of COVID-19 Vaccine Development

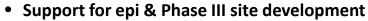




Model: IVI Cholera Vaccine Programs 2000 - 2020



IVI: Accelerating COVID-19 vaccine development



- Sida (Sweden) two sites in Africa
- BMBF sites in S/SE Asia
- Gates Phase III site preparation



- 4 vaccines: INIVIO, Genexine, Cellid, Clover
- ELISA, wild type neutralization assay
- Clinical trials (Phase I III)

 International Standard Serum and Assay development

Pre-clinical support for COVID-19 vaccine
& therapeutics

PARTNERS









































IVI is an International Organization dedicated to Global Health



Global Vaccine Research Institute

- HQ and labs at Seoul National University
- Field programs in 28 countries: Asia, Africa, Latin America
- 19 nationalities in workforce of 169

OECD-recognized International Organization (not for profit)

- UNDP initiative
- First international organization in Korea (1997)
- 36 countries and WHO as state parties (now 38 Madagascar & Argentina pending final submission to UN)

SG office



Thank you for your attention!

