

GATES FOUNDATION THOUGHTS ON CEPI & GLOBAL HEALTH INNOVATION:

- CEPI was launched to address a major global health challenge – the fact that world is dangerously unprepared to respond to the next pandemic.
- Thanks to the concern, commitment and dedication of partners across the public and private sectors, we were able to design and launch CEPI quickly.
- We need to apply that same sense of urgency to existing global health challenges that remain major causes of death, disability, and poverty in developing countries.
- One of the reasons why we're excited about CEPI is that we believe that the new tools and strategies that we're mobilizing to stop the next pandemic could finally lead to the development of highly effective **vaccines** for HIV, TB, malaria and other major killers.
 - For example, CureVac is exploring ways to map pathogens and use RNA to instruct the human body on how to manufacture its own antibodies against infection.
- **Beyond vaccines**, we're excited by potential breakthroughs in the development of new **HIV prevention methods, next-generation diagnostics, and revolutionary mosquito control methods**.
- We recently invested \$140 million in Intarcia, a company that is developing a long-acting removable **HIV-prevention device** that could release anti-retroviral medicine in low doses that could prevent infection in at-risk individuals.
- New **diagnostics** that can use a simple blood test to predict women who are at risk of preterm birth could help us make huge progress toward eliminating preventable child deaths by 2030.
 - Our partner **Sera Prognostics** is leading the way in the development of a next-generation "prognostic" for pre-term birth that could be used in rural clinic settings across Africa and Asia.
- We also need to invest in next-generation approaches to **mosquito-borne diseases**, which kill more than half a million people each year.
 - Mosquito-borne viruses are spreading rapidly across the globe and malaria remains a leading killer of children under 5.
 - New approaches to preventing disease transmission – from Wolbachia to gene drive – could help eliminate several diseases sustainably and at low cost.
 - This research must be led and owned by affected countries themselves.

All of these initiatives show that there are huge opportunities in global health to leverage public-private partnerships to create breakthrough innovations that will be affordable and sustainable in developing countries. The potential for major breakthroughs across the field of global health has never been greater.