

August 10, 2021

The Honorable Ron Klain
White House Chief of Staff

The Honorable Jake Sullivan
National Security Advisor

The Honorable Jeffrey Zients
White House Coronavirus Response Coordinator

The White House
1600 Pennsylvania Avenue NW
Washington, D.C. 20500

Dear Mr. Klain, Mr. Sullivan, and Mr. Zients:

Attached is a letter endorsed by over 175 leading scientists and civil society leaders as well as over 50 organizations calling on the Biden Administration to rapidly scale up mRNA vaccine manufacturing capacity to reach approximately 4 billion people by the end of 2021. **We request a meeting with the three of you to discuss the content of this letter and your plans for scaling up vaccine manufacturing to meet global need.**

The emergence of the Delta variant highlights the risk of newer, emerging variants that threaten the progress made to date on the pandemic in the United States. Ambitious leadership is needed now to vaccinate the world.

Namely, we implore the Biden Administration to:

- Commit to establishing 8 billion doses per year of mRNA vaccine capacity within six months using existing federal resources. A plan for this should be announced within one month.
- Simultaneously develop and implement training and technology transfer for the development and manufacture of mRNA and other vaccines in hubs around the world.
- Begin immediate export of vaccine doses to COVAX or through other international distribution mechanisms — of at least 10 million doses per week.

This letter's signatories include five Deans of leading public health, nursing, and medical schools; faculty from 20 universities, including Harvard University, Yale University, University of Washington, and Columbia University; numerous MacArthur Fellows; a former CDC Director; and countless civil society leaders.

We look forward to your response and meeting at your earliest convenience.

Sincerely,

James Krellenstein
Co-Founder
PrEP4All

Gregg Gonsalves
Associate Professor of Epidemiology
Yale School of Public Health

Mitchell Warren
Executive Director
AVAC

Peter Maybarduk
Director, Access to Medicines
Public Citizen

August 10, 2021

President Joseph R. Biden
1600 Pennsylvania Avenue NW
Washington, D.C. 20500

Dear President Biden,

Despite significant progress in the United States (US), the coronavirus pandemic continues to threaten lives and security across the globe. Without urgent and immediate scale up of vaccine production and distribution, millions more will be infected and die. The emergence of the Delta variant is resulting in a surge in increasing infection rates in Africa, Latin America and Asia, where vaccines are least available. This highlights the risk of newer, emerging variants, some of which may turn out to be resistant to current vaccines, which will threaten the progress made to date on the pandemic in the US and elsewhere. *The time is now for ambitious leadership to vaccinate the world.*

The need to be on a “wartime footing” to secure the world against this pandemic viral threat is paramount. Any global COVID vaccination program must be structured to address multiple interlinked priorities. First, the manufacturing capacity of mRNA vaccines in the US must be rapidly scaled up to reach approximately 4 billion people by the end of 2021. The US government has the capacity and the authority to act now and expand current manufacturing facility capacity as well as to develop mRNA vaccine manufacturing facilities, particularly as initial federal funding to start this effort is already allocated by Congress. Second, it is equally important at the same time to use technology transfer and financing support to allow for further scale up of vaccine manufacturing capacity in all regions of the world. The latter will address the anticipated need for continued COVID-19 vaccination efforts, as well as prepare for the next potential pandemic.

Specifically, the US government should:

- **Commit to establishing 8 billion doses per year of mRNA vaccine capacity within six months using existing federal resources. A plan for this should be announced within one month.**

While multiple types of vaccines have been shown to be safe and effective and will have an important role to play in global vaccination efforts; to date, mRNA vaccines have proven to be faster and more reliable to produce than other vaccine technologies and are more effective against current variants. The U.S. investment in the development of mRNA vaccines, along with its co-ownership of the patents of this new technology, make mRNA vaccines the best first choice for the US role in global scale up. Based on past experience, newly retrofitted US owned facilities can be on-line to produce large numbers of doses within six months. Initial federal funding already allocated by Congress can help support this task.

- **Simultaneously, the US government should develop and implement training and technology transfer for the development and manufacture of mRNA and other vaccines in hubs around the world. Such training and tech transfer can begin immediately in the U.S.-based facilities, at the proposed WHO-supported hub in South Africa, at facilities in India that can be quickly retrofitted for mRNA production capacity or at other locations (e.g., in South Korea). The US government**

should also compel originators to transfer technology and, in collaboration with other governments, provide financing for vaccine manufacturing around the world.

The United States should explore all legal options to compel mRNA manufacturing originators to share technology and voluntarily license their technology to contract manufacturers around the world, including mRNA manufacturing hubs. Funding, along with international partners, should also be allocated to scale up manufacturing hubs around the world. In addition, training at USG owned facilities could be used to seed the manufacturing hubs. We cannot pursue one strategy alone and need to operate on multiple fronts and creating new capacity in the US *and* abroad at the same time is the most sustainable way forward.

- **Begin immediate export of vaccine doses — within one week — to COVAX or through other international distribution mechanisms — of at least 10 million doses per week.**

The United States currently has over 55 million doses of mRNA vaccines in storage¹, while only vaccinating approximately 900,000 people per day². At this rate, it would take over two months to administer just the vaccine doses *currently stored*. Despite this, mRNA vaccine manufacturers are delivering over 17 million new doses *each week* to jurisdictions across the US.³ Ten million excess doses could be immediately donated each week, while ensuring that the nation's mRNA vaccine dose stockpile remains constant in size.

We urge you to act now. Announcing within the next 30 days an ambitious global vaccine manufacturing program is the only way to control this pandemic, protect the precious gains made to date, and build vaccine infrastructure for the future.

Sincerely,

Individuals:

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¹ US Centers for Disease Control and Prevention. COVID-19 Data Tracker — Vaccine Dashboard. Compare 381,949,830 doses delivered cf. 326,521,526 doses administered. URL: <https://covid.cdc.gov/covid-data-tracker/#vaccinations>

² <https://covid.cdc.gov/covid-data-tracker/#vaccinations>

³ Kaiser Family Foundation. Weekly COVID-19 Vaccine Allocations.

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Partners In Health

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Health GAP (Global Access Project)

Resolve to Save Lives

Physicians for Human Rights

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University of Washington, Department of Global Health

Fenway Health

Uplift International

Pashi

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Blended Value Health

Consortium of Universities for Global Health

Centre for Public Health Development

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International Treatment Preparedness Coalition (ITPC)

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Africa Centre for HIV/AIDS Management

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