

Vol. XXVI No. 20

Kamala Harris "Message"



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COVID 19 SPECIAL EDITION



COVID-19 vaccine success is cause for optimism, but the rollout may take years in poorer countries. Here are the major challenges they face.

Every American could have access to a COVID-19 vaccine by the end of April. This is not the case, however, for most people in low-income countries, who may have to wait years longer.

As drug makers ramp up their efforts, governments across the world are negotiating deals to buy prospective COVID-19 vaccines - but this "frenzy of deals" could prevent poorer countries from accessing enough vaccines for most of their population until 2024.

This is according to researchers at Duke University's Global Health Innovation Center. Scientists at the center's Launch and Scale initiative have investigated the barriers that could affect access to a vaccine - and found a myriad of factors.

It is not just the cost and availability of vaccines that is pricing lower-income countries out. Many of the most vulnerable segments of society also lack the infrastructure to transport, store, and distribute the vaccine.

Manufacturing

Pfizer, Moderna, and AstraZeneca all marked major milestones in the global race for a vaccine earlier this month.

and poorer countries. The scheme aims to provide lower-income countries with enough doses to cover 20% of their population, and so far, 184 countries have signed up

"For lower-income funded nations, who would otherwise be unable to afford these vaccines, as well as a number of higherincome self-financing countries that have no bilateral deals with manufacturers, Covax is quite literally a lifeline and the only viable way in which their citizens will get access to COVID-19 vaccines," the companies behind the initiative said

As of November 11, the Duke University researchers had found no evidence of any direct deals made by low-income countries, suggesting that they would be "entirely reliant on the 20% population coverage from Covax.'

Despite being a "phenomenal effort at international collaboration," Covax is "seriously underfunded," Ted Schrecker, professor of global health policy at Newcastle University Medical School, told Business Insider.

Some countries, notably China and the US, haven't joined. The US could eventually control 1.8 billion doses, the Duke University researchers found, or about a quarter of the world's nearterm supply - and none of this would be shared with lowerincome countries via Covax

And the various vaccine candidates being developed by drug makers have different storage needs, making it difficult for countries to know how to prepare and whether to invest in coldchain facilities

AstraZeneca's vaccine, for example, can be stored, transported, and handled at normal fridge temperatures of between 36 and 46 degrees Fahrenheit for at least six months

Once it reaches its destination, it can be "administered within existing healthcare settings," AstraZeneca said, rather than requiring investment in expensive ultra-cold storage equipment

Moderna's vaccine can also be transported and stored at fridge temperatures, but only for a month

Pfizer is also looking into alternatives to solve the storage problem. The US drug maker is looking into developing a secondgeneration coronavirus vaccine in powder form, which would only need to be refrigerated, not deep-frozen. This could be developed in 2021, Pfizer's CEO told Business Insider, but it is currently uncertain

Health centers and infrastructure

Given that urban areas have the most transport infrastructure. they also have the majority of healthcare infrastructure, too.

R.I.P. RAFER JOHNSON 1935-2020



R.I.P. BRUCE BOYNTON 1937 - 2020



The leading vaccines use several different technologies, such as mRNA, recombinant protein, and adenoviruses. Each of these has its own complex manufacturing process, meaning the vaccines take a long time to make.

It could take three to four years to produce enough vaccines to immunize the global population, the researchers found. Wealthier countries may be able to issue multiple doses of the vaccine to their populations before the immunization becomes widespread in poorer countries.

Even if drug makers heavily invest in their manufacturing facilities, "there is a limit to how much global vaccine manufacturing capacity can expand in the next few years," said Andrea Taylor, the lead analyst for Launch and Scale.

"High-income countries are making deals with major vaccine developers who are in turn reserving the lion's share of the world's manufacturing capacity to meet those commitments." she said.

Experts are also worried about a shortage of glass vials to store the vaccines in.

Cost

The vaccine will also be expensive to buy. Pfizer charged the US \$19.50 per dose for the first 100 million doses, its partner company BioNTech said. Each person requires two doses of the vaccine, putting its cost at \$39 per person.

Moderna, meanwhile, plans to charge from \$25 to \$37 per dose.

Johnson & Johnson also said it would not profit from sales of its vaccine to poorer nations, and China said its vaccine would be "made a global public good."

Covax

Since May, wealthy countries have been placing pre-orders for potential vaccines

To prevent wealthier countries from snatching up vital doses of the vaccine, the World Health Organization (WHO), Gavi, and the Coalition for Epidemic Preparedness Innovations (CEPI) launched a scheme called Covax in April.

Countries sign up to access an equal share of successful vaccine candidates, meaning that the doses are shared among richer

wealthy countries which have signed up to the scheme, including the UK, EU, and Canada, have also struck "side-deals" with pharmaceutical companies to guarantee their supply, the Duke University researchers found

This "undermines" Covax, "drives inequality and threatens to prolong a global pandemic," Duke University's Elina Urli Hodges said.

Transport

Distributing the vaccines globally will be a mammoth task.

vaccine to everyone on Earth could take up to two years, saying that it could be "one of the biggest challenges for the transportation industry."

investment. Pfizer's vaccine, for example, has to be transported at -94 degrees Fahrenheit through a system of deep-freeze airport warehouses and refrigerated vehicles using dry ice and reusable GPS temperature-monitoring devices.

Even when the vaccines do make it to low-income countries, they might lack the transport links and road networks to distribute the doses to everyone in need.

Specially adapted vehicles may also be needed, Alison Copeland, professor of human geography at Newcastle University, told Business Insider. Lower-income countries may not be able to afford them, however.

Storage

When doses do reach local communities, vaccines such as Pfizer's still must be kept in cold-chain storage. Even some of the most reputable US hospitals, such Minnesota's Mayo Clinic, lack adequate facilities to store the vaccine, leading to a scramble for hyper-cold freezers - and in lower-income countries, this access to ultra-cold freezers is even less likely.

After the shots reach health centers, they can be thawed in a regular fridge - but they must be injected within five days.

In many low-income countries, only metropolitan areas are wellresourced, Schrecker explained, and some villages and informal settlements may not have a working fridge.

Even if communities can afford storage for the vaccine, they

Although many African countries improved their health services during the Ebola pandemic, most rural communities remain isolated, Schrecker told Business Insider.

Alongside the vaccine doses themselves, other supplies are needed to carry out the vaccinations. For example, countries need to ensure they have syringes available in time for the arrival of vaccines, Taylor said.

Low-income countries may also have to launch vaccination drives where health literacy is poor. While childhood vaccinations are becoming increasingly common in low-income income Cargo airline execs have already warned that getting a COVID-19 countries, people of all age groups, especially the elderly, will need the COVID-19 vaccine. This will require the counties to carry out major vaccination education campaigns, Taylor, and Copeland both said.

Some require ultra-cold chain storage which requires significant Another challenge is that most vaccines require two shots, including Pfizer's, which needs two shots injected three apart. In rural parts of India, where people are harder to contact or may live a long way from vaccination centers, some people don't come back for a second shot, public health experts told Bloomberg

> The country will also have to roll out mass paramedical training to teach healthcare staff how to administer the two-shot doses, Pankaj Patel, chairman of drug maker Cadila Healthcare, told the publication

Cause for optimism

Despite the hurdles that lower-income countries face, mass global vaccination is still a possibility.

After their mid-November summit, the G20 states said they will "spare no effort to ensure their affordable and equitable access [to COVID-19 diagnostics, therapeutics, and vaccines] for all

Wealthier countries could also be motivated to provide aid to ensure all countries have access to a vaccine, because of herd immunity beliefs.

"In order to control the virus, we need worldwide herd immunity, so between 60% and 72% of the population need immunizing," Copeland told Business Insider. "This will hopefully be enough incentive for richer countries to help out."



Connecting Our Community.

MICHIGAN BULLETIN - Page 2

News, Views & Commentary



Michigan Lottery: More than \$24 Billion to Support Public Education Since 1972

Every time you play the lottery, it is a win for Michigan. Every Lottery purchase benefits K-12 education gives a lift to local businesses and supports companies that employ Michigan residents. About 97 cents of every dollar spent on Lottery tickets is returned to the state in the form of contributions to the state School Aid Fund, prizes to players, and commissions to vendors and retailers. For every \$1 spent on Lottery tickets, 27 cents go to the state's School Aid Fund, 61 cents go to prizes for players, and 9 cents goes to retailer and vendor commissions.

Since it began in 1972, the Lottery has contributed more than \$24 billion to support public education in Michigan. For the most recent year, the Lottery's contribution to the School Aid Fund topped a record \$1 billion. Michigan's K-12 public school system serves about 1.5 million students. Funding provided by the Lottery is equal to more than \$700 for each student who attends a K-12 public school, or more than \$2.9 million each day for schools throughout the state.

In addition to helping provide funding for public education in Michigan, the Lottery also has established the Excellence in Education program to recognize outstanding educators.

Every week during the school year, the Michigan Lottery selects one outstanding educator to receive the Excellence in Education award. The award includes a \$1,500 cash prize and a \$500 grant to the educator's classroom, school, or school district.

Each winner also receives a plaque and their own news segment featured on WXYZ-TV in Detroit, FOX 17 in Grand Rapids, FOX 47 in Lansing, and WNEM-TV, Flint/ Saginaw.

At the end of the school year, the Michigan Lottery selects one weekly winner to receive the Lottery's Educator of the Year award and a \$10,000 cash prize.

All public-school employees may be nominated for the Excellence in Education awards. To nominate a public-school educator for the 2020-2021 school year, please visit http://bit.ly/ExcellenceInEducation. Read more about Excellence in Education winners at milotteryconnect.com.



SANTA CLAUS IS COMING TO TOWN!

A Holiday Meet and Greet with Santa Claus Himself!

DECEMBER 22, 2020 FROM 5:30 PM TO 7:30 PM

> Join Zoom Meeting CLICK HERE!

FIRST COME, FIRST SERVE (100 ATTENDEES) GIFT CARD RAFFLE BICYCLE GIVE-AWAY LADIES DESIGNER JEANS WOMEN'S COATS & SHOES MEN'S CLOTHING

MICHIGAN BULLETIN Celebrating 25 Years

Greater Lansing Area Club acceditioned in 1982 The National Association of Negro Business and Professional Women's Clubs, Incorporated Maring Paramet With Of Starpate⁷⁴ P.O. Box 14035 • Lansing, Michigan • 48901 • 517.258.0475



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No one should have to face this pandemic alone.

34,000 job opportunities are available for caregivers.

In their faces, you may see your mother. Your grandfather. Your neighbor. If you have the heart of a caregiver, someone needs you. Due to this pandemic, there is a critical shortage of caregivers. Whether you have a few hours a week to spare to pick up groceries or make meals, or can give care full-time, earn income while making a difference. **Register at ConnectToCareJobs.com**.



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RE-CONNECTING SOUL II SOUL: WE'LL SHARE A CUP OF KINDNESS, YET 11312020



Pastor/Chaplain Pamelajune (Pj) Anderson, DMin. Lt Commander (RET) USN Chaplain Corps Certified Peer Support Specialist

NOW, TODAY, IS THE DAY OF HOLY SPIRIT GRACE, WISDOM, AND AWARENESS. BE STILL AND LISTEN TO HEAR HER VOICE

Hope postponed grieves the heart; but when a dream comes true, life is full and sweet. Proverbs 13:12



"Dear God and my fellow Veterans, many of us are so caught up in the pandemic of racism, America's original sin, COVID-19 and the rising numbers of those infected and the increasing amount of the deceased, that we sometimes forget about the epidemic of AIDS."

SpaceGrace

David Mills writes in HEALTHLINE "Now we can look forward in time and really see a

future in which — even if the virus is not completely eliminated — it could be driven down to no new transmission in large swaths of the world," Michael Worobey, Ph.D., a professor in the Department of Ecology and Evolutionary Biology at the University of Arizona, said in a press release. "Earlier detection and better alignment of the various options we have to make it harder for the virus to move from one person to the next are key to driving HIV out of business." This means that there is hope (optimism, confidence, expectation) for radically reducing new infections when people are aware, educated, and take precautions.

Hope is the first word in Advent, a season of four-weeks before Christmas that celebrates and anticipates the coming of Jesus the Messiah. Not so few of us hoped against hope during the past four years. A handful gave up and committed suicide. Some died believing the words of him who said corona was a hoax. America watched without hope as the ways and means of a fourth Reich seemed to be underway in the United States, Inc. The Empire's foot pressed on the collective and individual necks of the poor and people of color. Hatred, white supremacy, and injustice were the rule of the day. Hope for a decent job, affordable health care, and housing, and financial stability slipped away, making the proverbial heart sick. Pharoah was on a role.

"We'll share a cup of kindness yet," is a phrase in Auld Lang Syne that translates into "for old time's sake." In appreciation for the righteous that kept on praying, believing, hoping for God's intervention, by God's grace, 80,000,000 plus voters took back the Soul of America, let's share a cup of kindness and celebrate the first word in Advent.



MICHIGAN BULLETIN - Page 3

Celebration

By Mr. Party, The Ambassador of Celebration

Tribute :Mr. Terry E Tyler Oct.3,141-July 20,2017 Creator of Mr. Party marketing concept August 1985 C.A. column September 2006

Birthdays in December 2020

Mr. Party.

Mr. Kevin Alexander Tyler celebrates his 27th birthday on December 1st, at home with family.

Ms. Alisha "Happy" Randle celebrates her 36^{th} birthday on December 1^{st} , "just chill 'in!"

Ms. Diona Houston celebrates her birthday on December 1st. She will turn 35 years of age.

Ms. Marsha Civils celebrates her birthday on December 2nd.

Mrs. Tracy Faulkner celebrates her birthday on December 2nd, with family and friends.

Mr. "Wolf" celebrated his 57^{th} year of life, December 2^{nd} .

Ms. Markita Atwater celebrates her 29th birthday on December 4th. "I want to say thanks to my mother, Rhonda Horton, for being here for me and watching me become a grown woman... Love you Mom!"

Ms. Patricia Robinson,(deceased): We celebrate her birth on December 4th. Mr. T. J. Baldwin celebrates his 33rd birthday on December 5th, with family and friends.

Mr. Pone ,of the Hood Riders MC, celebrates his birthday on December 6th. He says "Jesus loves you!!!" to his daughter and granddaughter.

Ms. Cynthia Delapaz enjoys her 39th birthday on December 7th, with family and friends. "Much Love to my daughters!"

Ms. Chantelle Brandon celebrates her birthday on December 8th.

Ms. Jasmine Harris will celebrate her 31st birthday on December 9th

Ms. Tabitha Fortner celebrates her 33rd birthday on December 10th, with family and friends.

Ms. Kaylin "KayKay" Perkins, celebrating her 24 years, on December 12. Mr. Marc David Tyler II celebrates his 31st birthday on December 13th, with family and friends.

Ms. Candace Clay celebrates her birth, 44 years, on December 15th. She says," I love Living!"

Ms. Kimmy Herlick celebrates her 50th birthday on December 15th, with family and friends.

Mr. Andy Brown celebrates his birthday on December 15th, with his wife Coral, daughters and son.

Ms. Cheryl Horn-Bernard will celebrate her birth on December 16th.

Ms. Victoria Jefferson will be celebrating her "18th" birthday on December

17th. "Happy Birthday Baby Girl!" from your Dad Marcus.

Ms. Karen Morrow celebrates her 49th birthday on December 17th. "God Bless my family, friends and extended family, Love you all!"

Mr. Stafford L. Cobb celebrates his birthday on December 20th. "Life is lived forward and learned backwards" "Peace to all and 1 love!"

Mr. Jameel Cooper celebrates his birthday on December 20th, with family and friends.

Ms. DaQuaria Watkins will celebrate her 24th birthday on December 20th. Grandma says, "She is an excellent student!"

Mr. Tommie L. Boyd will celebrate his 49th birthday on December 21st. Ms. Sharita Robinson-Murphy will celebrate her birthday on December 21st,

with her husband Michael and children. "Love You, my niece", Uncle Billy Mr. Tyrell Potts will celebrate his birthday on December 25th.

Mr. Anthony Michael Quarles will be celebrating his 29th birthday on December 26th with family and friends.

NOW HIRING



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Mr. Al Travis will celebrate his birthday on December 26th.

*Special Holiday Message from: Mr. Party, The Ambassador of Celebration

December is the month of the Holy Days (Holiday) season... A time when people celebrate and share GOD's Love...

Love is GOD's Character; choosing to put the needs of others before self.

As you spend time with family (The foundation of a person's life), friends and loved ones...

Remember: It is nice to be important, it's more important to be nice!!!

You can never show a kindness too soon for you never know how soon it might be too late!!!

We don't laugh because we're happy, we're happy because we laugh!!!

Smile, laugh; Celebrate a life filled with love every day... May the Love of GOD bring you Peace and Joy!!!

Merry Christmas/Happy New Year 2016 Joyful Hanukkah/Kwanza/Ramadan *Announcements

Please let us know if you have any names to be removed...

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Read The Michigan Bulletin!



HAPPY HOLIDAYS



from the MICHIGAN DICHIGAN DICHIGAN DICHIGAN



When the holidays come around and the snow begins to fall, we appreciate the beauty of a Michigan winter and the fun of the Michigan Lottery.

And while we value your business, we value your safety even more. So this holiday, let's work together to protect the health of us all. Have a happy and safe holiday.



Knowing your limits is always the best bet. Call the Michigan Problem Gambling Helpline for confidential help at 1-800-270-7117.