

Public Square Films "HOW TO SURVIVE A PANDEMIC" PIC LOCK

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Public Square Films "HOW TO SURVIVE A PANDEMIC" PICTURE LOCK V08.02

Written By: Molly Baxter

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Date Prepared:

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Prepared for:

HBO

Prepared by:

Molly Baxter

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TC	VISUAL	AUDIO
01:00:00	GFX: <i>HBO</i>	
01:00:08	GFX: <i>HBO Documentary Films</i>	
01:00:13	Card: <i>HBO Documentary Films Presents</i>	
01:00:21	Location ID Text: <i>Washington, DC</i>	
01:00:23	Lower Third: <i>December 11, 2020¹</i>	
01:00:30	Lower Third: <i>A Public Square Films Production</i>	
01:00:35	Lower Third: <i>A David France Film</i>	
01:00:40	Location ID Text: <i>US Food and Drug Administration Vaccine Division Temporary Headquarters</i>	
01:00:48	Lower Third: <i>in association with Impact Partners</i>	Peter Marks on Camera: Oh, God. Phew!
01:00:53	Lower Third: <i>in association with Sandbox Films</i>	
01:01:03		Peter Marks on Camera: I'm sorry, can I just can we wordsmith for a second together? This evening, the FDA issued an emergency use authorization for the COVID-19 vaccine for the prevention of COVID-19, the first in the United States. This is a critical step to bringing the pandemic under control. ²

¹<https://www.fda.gov/news-events/press-announcements/fda-takes-key-action-fight-against-covid-19-issuing-emergency-use-authorization-first-covid-19> FDA Press release. “For Immediate Release: December 11, 2020.

² Per FDA Press release: Pfizer-BioNTech was the first Covid-19 vaccine approved for use in the USA. <https://www.fda.gov/news-events/press-announcements/fda-approves-first-covid-19-vaccine#:~:text=Today%2C%20the%20U.S.%20Food%20and%20years%20of%20age%20and%20older>.

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01:01:23		Peter Marks on Camera: You can go ahead and send that now. It's late. People are exhausted.
01:01:29		Woman on Phone: All right. There it goes.
01:01:31		Peter Marks on Camera: Perfect. Okay, perfect. Thank you so much. Thank you guys. Have a good night.
01:01:47		<i>(phone rings)</i>
01:01:50		General Perna on Phone: General Perna.
01:01:51		Peter Marks on Camera: Hi, General Perna. This is Peter Marks. How are you doing?
01:01:53		General Perna on Phone: Peter, how are you?
01:01:55		Peter Marks on Camera: Very well. Hey, I know we originally expected to be doing this probably tomorrow morning, but instead it's this evening. They just pushed send on the email just now. So, congratulations. It is so exciting to have the first authorized vaccine. It's really exciting.
01:02:15		General Perna on Phone: Sorry you had to go through all that political crap.
01:02:17		Peter Marks on Camera: I'm glad it's over with, and I'm glad we're going to have this out. It'll give you a little more time. Everything should hopefully get organized–
01:02:24		General Perna on Phone: It will. It will. And I'm telling you, vaccines will be moving tomorrow.
01:02:30	Card: <i>Part I</i>	<i>(music begins)</i>
01:02:34	Card: <i>Eleven Months Earlier</i>	
01:03:03		Tedros Adhanom Ghebreyesus on Camera: We can not say this loudly enough. All countries can still change the course of this pandemic. Every individual must be involved in the fight. The worst is yet to come if we don't rush to ensure unity.
01:03:28		Dan Barouch VO: It's the biggest crisis in the world. And it's a crisis that needs a science solution.
01:03:35		Kizzmekia Corbett VO: The pressure of the world came down on us.

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01:03:41		Paul Offit VO: We're going to defeat this with vaccine strategies that have never been used before.
01:03:47		Barney Graham VO: We've never created a new vaccine in less than five years.
01:03:51		Kristian Andersen VO: We do have to face the possibility that it could be never.
01:03:54		Jon Cohen VO: The world as we know it died, and we have to create a new world. And that new world has to have a vaccine.
01:04:01		Adrian Hill VO: To vaccinate the world, what are you going to need? A billion doses? Three billion? The world has never provided more than half a billion doses of any vaccine in a year for anything. ³
01:04:13		Glenda Gray VO: Unless we can get rid of it as a human species, it's going to continue to reinfect and it will continue to be a global threat. ⁴
01:04:22		Tedros Adhanom Ghebreyesus on Camera: Tools to prevent, detect, and treat COVID-19 are global public goods that must be accessible by all people.
01:04:34	Title Card: How to Survive a Pandemic	<i>(music ends)</i>
01:04:47	Card: May 2020 250,000 dead worldwide ⁵ <i>(animation from April 2020)</i>	
01:05:09	Location ID Text: Cardiff, California	<i>(keyboard music)</i> Jon Cohen on Camera: <i>(singing)</i> They call it stormy Monday, but Tuesday's just as bad. They call it stormy Monday, but Tuesday's just as bad.
01:05:38		Jon Cohen VO: <i>(singing)</i> And Wednesday's worse. And Thursday's also sad. <i>(music ends)</i>

³ Single vaccine (by one manufacturer).

⁴ “The virus will stick around if parts of the world don’t get vaccinated,” says Jeffrey Shaman, an infectious-disease researcher at Columbia University in New York City. <https://www.nature.com/articles/d41586-020-02278-5>
<https://www.nature.com/articles/d41586-021-00396-2>

⁵ All death tolls calculated from <https://ourworldindata.org/grapher/cumulative-covid-deaths-region> (JHU data)

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01:06:00	Lower Third: <i>Jon Cohen Senior Correspondent⁶ Science Magazine</i>	Jon Cohen VO: Conventional wisdom is that a vaccine for COVID-19 is at least a year away, but the organizers of Warp Speed have little use for that conventional wisdom.
01:06:17		Donald Trump on Camera: It's called Operation Warp Speed. That means big. And it means fast. Its objective is to finish developing and then to manufacture and distribute a proven coronavirus vaccine. Operation Warp Speed's chief scientist will be Dr. Moncef Slaoui.
01:06:36		Moncef Slaoui on Camera: I am really confident that our team across the many governmental agencies that are involved in this effort, the NIH, the CDC, the FDA, and our partners in the private sector will be able to deliver these objectives.
01:06:54		Jon Cohen VO: Many scientists worried that the US presidential election and the need to resuscitate economies could lead to premature and dangerous approvals.
01:07:06		Donald Trump on Camera: So you're talking over the next few months, you think you could have a vaccine?
01:07:09		Albert Bourla on Camera: Correct. Uh, for Phase Two.
01:07:11		Donald Trump on Camera: Yeah.
01:07:12		Anthony Fauci on Camera: You won't have a vaccine. You'll have a vaccine to go into testing.
01:07:17		Donald Trump on Camera: Ready to use when, would you say? Ready to use.
01:07:21		Anthony Fauci on Camera: Would you make sure you get the president the information that a vaccine that you make and start testing in a year is not a vaccine that's deployable. And that is going to be at the earliest a year to a year and a half, no matter how fast you go. <i>(music begins)</i>
01:07:35		Donald Trump on Camera: You think that's right?

⁶ <https://pulitzercenter.org/people/jon-cohen>

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01:07:36		Donald Trump VO: I like the sound of a couple of months better. Let's be honest.
01:07:42		Jon Cohen VO: The project's going to pour essentially limitless resources into a diverse set of vaccine candidates and platforms. Warp Speed hopes to have a proven product and 300 million doses by January 2021. Scientists contend they're better prepared than ever to produce a vaccine at Hollywood speed.
01:08:13		Jon Cohen VO: Couldn't tell you the stories I've filed this week.
01:08:15	<i>Lower Third: Dr. Paul Offit Vaccine Advisory Committee 7 US Food and Drug Administration</i>	Paul Offit on Camera: I too have been busier than I've ever been. Really, than I've ever been in my life. <i>(music ends)</i>
01:08:19		Jon Cohen on Camera: I just think we're fucked on so many levels. We all have exactly the same goal. Get me a safe and effective vaccine as quickly as possible. We're just scared that science will be steamrolled.
01:08:32		Paul Offit on Camera: For good reason. Yeah, because we have so many examples of it heading into this. Take your pick. The institutions which you have previously trusted, the EPA, for example, is willing to take climate change off its website. ⁸
01:08:44		Paul Offit on Camera: The administration can perturb those federal agencies. So why not the FDA? There are a lot of people worried about this, Jon. I mean, there are people who you would be surprised are that worried because they're very close to the administration.

⁷ Member, VRBPAC

<https://www.fda.gov/advisory-committees/vaccines-and-related-biological-products-advisory-committee/roster-vaccines-and-related-biological-products-advisory-committee>

⁸ Climate change was removed from the EPA's website in 2017 under President Donald Trump.

<https://www.washingtonpost.com/news/energy-environment/wp/2017/04/28/epa-website-removes-climate-science-site-from-public-view-after-two-decades/>

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01:08:56	Location ID Text: <i>Washington, DC</i>	Jon Cohen on Camera: So one hopeful sign to me is that we have Peter Marks at the top, at FDA, who's committed to playing by the rules and not letting politics trample science.
01:09:09		Paul Offit VO: And, you know, I think he's worried about some of the things going on there.
01:09:11	Lower Third: <i>Dr. Peter Marks Top Vaccine Regulator US Food and Drug Administration</i>	<i>(doorbell rings)</i>
01:09:25		Peter Marks on Camera: We can set up out here any way you'd like here. It's safe.
01:09:29		Jon Cohen on Camera: Really appreciate it.
01:09:30		Jon Cohen on Camera: I'm trying to capture a behind the scenes feeling of this for the future. So I hope you can speak more freely about some things because we're talking in the future. And then I'd like to learn the story of how you became involved with Warp Speed.
01:09:46		Peter Marks on Camera: I watched too much Star Trek when I was a kid.
01:09:48		Peter Marks on Camera: It was the idea was doing things precisely, accurately, quickly. That's why I just thought of Warp Speed. It was just finding ways that we could remove dead space from the vaccine development process and try to engage the vaccine manufacturers more.
01:10:03		Jon Cohen on Camera: You have a lot of pride in the FDA obviously, and its reputation.
01:10:08		Peter Marks on Camera: Yeah.
01:10:09		Jon Cohen on Camera: My sense is you also feel a sense of responsibility to be the guardian at the gate and to not let things through that shouldn't get through. And you have this possibility that if a company asks for an emergency use authorization for a vaccine, Trump is going to give it to them overnight and the FDA-

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01:10:28		Peter Marks on Camera: It ain't gonna happen overnight. It ain't gonna happen on my watch. We can't just like rush a vaccine along. That could be really dangerous.
01:10:35		Jon Cohen on Camera: So if Trump takes over and says, "To hell with the FDA, this is ready. Let's go." What are you going to do?
01:10:41		Peter Marks on Camera: What would I do? Probably hand in my resignation with a letter basically saying that this is just not possible.
01:10:49		Jon Cohen on Camera: I hope you'd come to me also and let me do a story. To break a story-
01:10:52		Peter Marks on Camera: Be my guest.
01:10:53		Jon Cohen on Camera: For my selfish interest.
01:10:55		Peter Marks on Camera: Yeah. Well, but that's why I've been willing to be a little bit risky here if they try to jack anything through.
01:11:01		Jon Cohen on Camera: Yeah.
01:11:02		Peter Marks on Camera: We're make sure that the public has confidence as much as they can. Public health agencies are dropping like flies in the United States ⁹ and I think we're trying to do a reasonable job here of building the FDA as a place where anything that comes through our process is safe and effective.
01:11:20		Peter Marks on Camera: Because if people aren't ... if they're not feeling comfortable enough to roll up their sleeve at the end of the day, any vaccine is a failure.
01:11:28		Peter Marks on Camera: We care about making sure that the right thing happens here. Look, we're here in large part because of science. And if we continue to exist on this earth, it's going to be because of science. <i>(music begins)</i>

⁹ <https://www.newyorker.com/news/daily-comment/trumps-unprecedented-attacks-on-our-public-health-system>

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01:11:49		News Reporter VO: China has shared the genetic sequence of the novel coronavirus at the heart of the outbreak in Wuhan.
01:11:57		News Reporter VO: Once China released the genetic sequence of the virus, it unleashed research around the world.
01:12:03		Kizzmekia Corbett on Camera: Which way should I go? [chatter from crew] Okay. <i>(music ends)</i>
01:12:13	Lower Third: <i>Dr. Kizzmekia Corbett Co-Developer of Moderna Vaccine¹⁰ US National Institutes of Health</i>	Kizzmekia Corbett on Camera: I remember waking up to an alert about the sequence of a coronavirus coming out. From that point on, from January 10th on, it became a nonstop race.
01:12:29		Kizzmekia Corbett VO: At the NIH, we had this collaboration with Moderna, where we've been looking at the coronavirus family for years. So the same day that the sequences came out, we could immediately say, "This is the vaccine that we're going to make." <i>(music begins)</i>
01:12:47	GFX: <i>Teal map of the world gradually lighting up with red dots</i>	Kizzmekia Corbett VO: There are about 200 different vaccine candidates across the world. ¹¹
01:12:53	GFX: <i>Animation of virus infecting a cell</i>	Kizzmekia Corbett VO: They all approach the virus in various different ways, but with the one common goal of training your antibodies to know exactly what the virus looks like and kill that virus before it can infect your cells. This is exactly what your immune system should be doing. It just needs a little help.
01:13:22	GFX: <i>Animation of mRNA being sent to the body's cells</i>	Kizzmekia Corbett VO: Moderna and Pfizer both use similar messenger RNA platforms for this vaccine. This is a way to send essentially a telegram to your body's cells. Your cells open that message, see exactly

¹⁰ “The vaccine concept incorporated in mRNA-1273 was designed by Dr. Corbett's NIH team from viral sequence and rapidly deployed to industry partner, Moderna, Inc.” hsph.harvard.edu/profile/kizzmekia-s-corbett/

¹¹ <https://covid19.trackvaccines.org/vaccines/>

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		what needs to be read, and then that message goes away.
01:13:45	GFX: <i>Animation of cells growing spike protein</i>	Kizzmekia Corbett VO: And then your cells make the protein that that message said to make. ¹² For the COVID-19 vaccines, that is the spike protein.
01:14:01	GFX: <i>Animation of primed immune system fighting off infection</i>	Kizzmekia Corbett VO: It does not take long at all for your immune system to activate and start to build up the type of immune response that you need to be protected against COVID-19. ¹³
01:14:13		Kizzmekia Corbett on Camera: If we're going to solve this problem, it definitely has to be a global effort. So I was actually very relieved to start to see other vaccine platforms starting to come out.
01:14:38	Card: <i>June 2020 402,000 dead worldwide (animation from May 2020)</i>	(music ends)
01:14:44	Location ID Text: <i>Boston, Massachusetts</i>	Zoom Teacher on Computer: Okay. So. Strike a pose.
01:14:50		Zoom Conference Host on Camera: Okay. Let's get started then. All right. It's my pleasure to introduce a speaker who needs no introduction, Dan Barouch.
01:15:01	Lower Third: <i>Dr. Dan Barouch Co-Developer of Johnson & Johnson Vaccine¹⁴</i>	Dan Barouch on Camera: The question of whether so-called natural immunity exists is really critical for the entire COVID-19

¹² Moderna and Pfizer both rely on similar mRNA platforms, sending the body's cells instructions for making a spike protein that will train the immune system to recognize it. The immune system will then attack the spike protein the next time it sees one (attached to the actual SARS CoV-2 virus).

<https://www.yalemedicine.org/news/covid-19-vaccine-comparison>

<https://www.cdc.gov/coronavirus/2019-ncov/vaccines/different-vaccines/mrna.html>

¹³ People are considered fully vaccinated 2 weeks after their second mRNA shot (or single J&J), and are already building immunity after the first dose-- the Moderna vaccine has been shown to have an efficacy of approximately 94.1 per cent in protecting against COVID-19, starting 14 days after the first dose, with protection beginning 12 days after the first dose of the Pfizer vaccine.

<https://www.who.int/news-room/feature-stories/detail/the-moderna-covid-19-mrna-1273-vaccine-what-you-need-to-know>

<https://www.who.int/news-room/feature-stories/detail/who-can-take-the-pfizer-biontech-covid-19--vaccine>

¹⁴ “Dr. Dan Barouch, the Harvard Medical School professor who heads Beth Israel Deaconess’ Center for Virology and Vaccine Research, led the early development of the J&J vaccine.”

<https://www.bostonglobe.com/2021/12/15/magazine/414-days-work-zero-days-off-dan-barouch-race-develop-johnson-johnson-vaccine/>

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	<i>Harvard Medical School</i>	vaccine effort. It's also critical for epidemiologic modeling of herd immunity.
01:15:14		Fina Barouch on Camera: Every day, the first thing he does when he wakes up is he checks to see how many cases there are in the US, in the world, how many fatalities, and that's what motivates him.
01:15:27		Fina Barouch on Camera: Hey, sweetie, you want a snack?
01:15:29		Natalie Barouch on Camera: Yeah.
01:15:29		Fina Barouch on Camera: Yeah? What would you like? We're going to have lunch soon, but what would you like?
01:15:33		Natalie Barouch on Camera: I don't know.
01:15:34		Fina Barouch on Camera: Want some fruit?
01:15:36		Natalie Barouch on Camera: Sure.
01:15:36		Fina Barouch on Camera: Fruit? Yeah?
01:15:38		Fina Barouch on Camera: He thought that this was going to be a major pandemic. He said, "I think I should make a vaccine against this." And I said, "You need to. You have the expertise. You've been building a platform for years. And with your HIV work, it'll hopefully translate well to this other disease." And so it's been crazy busy.
01:16:04		Fina Barouch on Camera: Bye, have a good day.
01:16:04		Dan Barouch on Camera: Bye.
01:16:05		Fina Barouch on Camera: Good luck.
01:16:06		Dan Barouch on Camera: Bye.
01:16:07		Fina Barouch on Camera: See you later. <i>(music begins)</i>
01:16:27	Location ID Text: <i>Beth Israel Deaconess Medical Center</i>	
01:16:28		Barouch Lab Member on Camera: So right now, I am adding serum. And then after that we add virus and we'll see what dilution of the serum is able to neutralize the virus.
01:16:39		Barouch Lab Member on Camera: So I'm measuring NanoDrop RNA concentrations. And so far, these are actually looking

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		pretty good. So, see, this is exactly what we want to see.
01:16:47		Dan Barouch on Camera: And these are the mouse samples.
01:16:49		Barouch Lab Member on Camera: That's right.
01:16:50		Dan Barouch on Camera: This is just three weeks after one shot. And we're getting antibody responses that are going down the whole plate.
01:16:55		Barouch Lab Member on Camera: It will remain to be seen in a clinical trial how well this extends to humans, but I mean, this is unambiguously good news.
01:17:04	GFX: <i>Animation of viral vector: DNA inside cold virus</i>	Dan Barouch on Camera: I'm cautiously optimistic. This vaccine might actually work. Our vaccine is a viral vector-based vaccine. It's the COVID- 19 spike protein DNA rather than RNA, and it's delivered into cells by the common cold virus. ¹⁵
01:17:26		Dan Barouch VO: We've shown that our vaccine candidate appears to protect in animals, but we don't yet have the critical proof of concept in humans. So that's the big unknown. The fastest way to get the answer as to whether the vaccine is safe, immunogenic, and effective is to do formal clinical trials. <i>(music ends)</i>
01:17:48		Dan Barouch on Camera: The phase one clinical trial is the initial test of a new vaccine or a new drug. It's often done in a small number of individuals. The primary goal is to show that the new intervention is safe and raises the type of immune responses that we believe are important. ¹⁶
01:18:03		Dan Barouch VO: If that hurdle is cleared, then there will be permission to expand into larger scale studies.

¹⁵ <https://www.cdc.gov/coronavirus/2019-ncov/vaccines/different-vaccines/viralvector.html>

¹⁶ Phase 1: This is the first time that a new treatment is tested with people so not many are included.

<https://clinicaltrials.ucsf.edu/about/how-clinical-trials-work>

<https://www.fda.gov/patients/drug-development-process/step-3-clinical-research>

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01:18:10		News Reporter VO: Large numbers of volunteers, a thousand or tens of thousands are broken into two groups. One gets a placebo. The other gets the experimental vaccine. Both groups are then told to live normally, and a few volunteers may come into contact with the virus to see if the vaccine really works. ¹⁷ <i>(music begins)</i>
01:18:30		News Reporter VO: Americans of every race, location, and medical condition to have stepped to up to help fight COVID-19, by being a part of the vaccine clinical trials.
01:18:38		Meg Tirrell on Camera: Pfizer and its German partner BioNTech, they're going to enroll up to 30,000 participants in this trial, which started yesterday in the United States.
01:18:46		Albert Bourla on Camera: We will continue following our patients for safety or any other reasons also to see how durable their response will be for up to two years.
01:18:55		News Reporter VO: Last month, clinical trials began for a COVID-19 vaccine in Brazil.
01:19:00		News Reporter VO: AstraZeneca said trials of its experimental drug developed with Oxford University are underway.
01:19:05		News Reporter VO: A lot of frontline workers are volunteers in major vaccine trials, one out of University of Oxford.
01:19:19	Location ID Text: <i>São Paulo, Brazil</i>	
01:19:21		News Reporter VO: The country is second to the US in COVID-19 illnesses and deaths. ¹⁸ Medical researchers say Brazil is a crucial testing ground for a coronavirus vaccine.

¹⁷ Pfizer’s phase 3 clinical trial enrolled over 43,000 volunteers.

<https://www.pfizer.com/news/press-release/press-release-detail/pfizer-and-biontech-conclude-phase-3-study-covid-19-vaccine>

¹⁸ “With upward of 800 people dying each day from Covid-19, the disease caused by the virus, Brazil’s death rate is now second only to that of the United States.” May 15, 2020

<https://www.nytimes.com/2020/05/15/world/americas/brazil-health-minister-bolsonaro.html>

Ditto cases: <https://www.cnn.com/2020/05/22/americas/brazil-coronavirus-cases/index.html>

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		That's because it may show whether a potential cure can work amid such a vast presence and spread of the virus.
01:19:51		<i>(ambulance sirens)</i>
01:20:11	Subtitle: <i>Thiago de Mello Rescue Technician</i>	<i>(music ends)</i>
01:20:14	Subtitle: <i>So, you weren't conflicted about being in the vaccine trial?</i>	Debora Gallo on Camera (in Portuguese): So, you weren't conflicted about being in the vaccine trial?
01:20:19	Subtitle: <i>No.</i>	Thiago de Mello on Camera (in Portuguese): No.
01:20:20	Subtitle: <i>What if they say you need another dose?</i>	Debora Gallo on Camera (in Portuguese): What if they say you need another dose?
01:20:27	Subtitle: <i>I'd take it.</i>	Thiago de Mello on Camera (in Portuguese): I'd take it.
01:20:29	Subtitle: <i>I'd take all of them.</i>	Thiago de Mello on Camera (in Portuguese): I'd take all of them.
01:20:31	Subtitle: <i>Even if it's ten doses, I don't mind.</i>	Thiago de Mello on Camera (in Portuguese): Even if it's ten doses, I don't mind.
01:20:35	Subtitle: <i>All I want is to be free of this crap,</i>	Thiago de Mello on Camera (in Portuguese): All I want is to be free of this crap,
01:20:39	Subtitle: <i>and avoid taking it into my home.</i>	Thiago de Mello on Camera (in Portuguese): and avoid taking it into my home.
01:20:41	Subtitle: <i>If taking 20 doses will do it, I'm in.</i>	Thiago de Mello on Camera (in Portuguese): If taking 20 doses will do it, I'm in.
01:20:45	Subtitle: <i>You only get one life.</i>	Thiago de Mello on Camera (in Portuguese): You only get one life.

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		(ambulance sirens)
01:20:55	Location ID Text: <i>Oxford, England</i>	
01:20:57		Adrian Hill VO: We started our trial in Brazil at the end of May. ¹⁹ Our vaccine uses the viral vector approach. We really do want our vaccine to be seen to be the best. We don't know if it is. We'd like it to be.
01:21:15	Lower Third: <i>Dr. Adrian Hill Co-Developer of AstraZeneca Vaccine Oxford University</i>	Adrian Hill on Camera: We want there to be many winners. We don't want to be out there on our own, not least because no one company is going to be able to vaccinate five billion people. <i>(music begins)</i>
01:21:30		Adrian Hill VO: We were looking for a manufacturer who could supply the world. The Serum Institute of India, which is the world's largest vaccine manufacturer ²⁰ , took on making a billion doses themselves, manufacturing at risk to be able to go full steam ahead once we have an efficacy result. ²¹
01:21:49		Adrian Hill on Camera: So in India at the Serum Institute, they've been working hard on their manufacturing process. All of that sounds encouraging. We, the University of Oxford, will not make a profit from this vaccine during the pandemic. ²²
01:22:04		Adrian Hill VO: Provision of vaccines to low-income countries is really important, so we wanted that to be understood, because it was very clear to us that the world would need this and we were worried that as with some previous vaccines, it might be the rich world that got priority.
01:22:23		Sarah Gilbert on Camera: Well done, everybody. Enjoy the weekend, those of

¹⁹ <https://www.nytimes.com/interactive/2020/science/coronavirus-vaccine-tracker.html>

²⁰ https://www.seruminstitute.com/about_us.php

²¹ <https://www.bbc.com/news/av/world-asia-india-55091890>

²² <https://www.ox.ac.uk/news/2020-11-23-oxford-university-breakthrough-global-covid-19-vaccine>

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		you who are not working this weekend. See you next week.
01:22:29		Adrian Hill on Camera: Bye.
01:22:32		Rahul Kanwal on Camera: How much money is at stake? I mean, this vaccine, is it like this billion-dollar race?
01:22:38		Adar Poonawalla on Camera: This is not a time to make money. I think this is a time to address a huge public health crisis and we should make it affordable and accessible to as many people as possible, especially in the underprivileged countries who need it the most.
01:22:53	Card: <i>July 2020 620,000 dead worldwide (animation from June 2020)</i>	
01:22:56		News Reporter VO: As case numbers spike around the world, the race to find a COVID-19 vaccine is gaining pace. But there are fears as soon as one is found, a limited supply will be met by overwhelming global demand. The WHO is calling for countries to sign up to its development program, COVAX.
01:23:15		News Reporter VO: COVAX focuses on middle and lower income countries that cannot fully afford COVID-19 vaccines.
01:23:22		Seth Berkley on Camera: We must all pull together because we cannot afford to fail.
01:23:27		Tedros Adhanom Ghebreyesus on Camera: The fastest route to ending the pandemic and accelerating the global economic recovery is to ensure some people are vaccinated in all countries, not all people in some countries.
01:23:42		Tedros Adhanom Ghebreyesus VO: The overarching goal of the COVAX facility is to ensure that all countries have access to vaccine at the same time, as soon as there is supply of a safe and effective vaccine.
01:23:56		Tedros Adhanom Ghebreyesus VO: And that priority is given to health workers, older people, and others at the highest risk. The COVAX facility will save lives and

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		ensure that the race for vaccines is a collaboration, not a contest. <i>(music ends)</i>
01:24:21		Jon Cohen on Camera: So, tell me about COVAX. Where is it at right now?
01:24:24	Lower Third: <i>Dr. Seth Berkley</i> <i>COVAX Facility²³</i>	Seth Berkley on Camera: So the goal is to try to have 20% coverage across the world. And the idea there is that if you could get to 20% coverage, you would stabilize the healthcare system because you would be able to go to the high risk people who would be most likely to go in, you would deal with all the healthcare workers.
01:24:41		Seth Berkley on Camera: That should be enough to at least dampen the pandemic by the end of 2021. So we're asking the wealthy countries to subsidize their doses and making sure that there would be adequate doses not just for the high income countries, but for low income countries.
01:24:57		Jon Cohen on Camera: So one of the things I'm curious, Seth, is when we met in Chiang Mai in '95, I think we had met before then, but we were at this meeting in Chiang Mai, this AIDS vaccine meeting.
01:25:07		Seth Berkley on Camera: I remember. And I talked to you about ... I think it was live attenuated vaccines or something. And I didn't know the answer and I tried to bullshit it and you caught me on it and nailed me to the tree. And afterwards, I was very embarrassed. It's 30 years ago. Right? And I still remember.
01:25:22		Jon Cohen on Camera: (laughs) Don't bullshit me, man. So, what are you doing this time differently based on what you've learned about starting things in the past? We don't want to wait five years for a COVID-19 vaccine to get to Zimbabwe.
01:25:35		Seth Berkley on Camera: Well, I mean, the real message we're trying to get across is

²³ “Seth Berkley, the CEO of Gavi, the vaccine alliance and a leader of COVAX, the global vaccine equity effort...”
<https://www.politico.com/newsletters/global-pulse/2022/01/13/seth-berkleys-tall-order-495706>

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		that if all you care about is yourself, so you're only interested in self-interest, vaccinating your population alone doesn't get you to what you want.
01:25:48		Seth Berkley on Camera: If you want to go back to commerce, tourism, trade, movement, students coming in, et cetera, you will not be able to do that if the epidemic's raging in other countries. What we have to get people to understand is that it's in their national interest to try to make sure we have vaccine across the world. As you know, there are people in the HIV community who feel particularly strong about that. <i>(music begins)</i>
01:26:15		Borders Book Event Host on Camera: Jon Cohen began writing for science in 1990, becoming one of the world's leading AIDS reporters.
01:26:20		Jon Cohen on Camera: AIDS has one of the highest infection rates in the world. I think the world is waking up to that, that this is not something that happened and is done. This virus is spreading in real time.
01:26:33		Jon Cohen VO: For many years, there were no good drugs for HIV. And then in 1996, excellent treatments became available and people got out of their deathbeds and went back to work and lived their lives ²⁴ , but not in Sub-Saharan Africa.
01:26:46		Jon Cohen VO: In Sub-Saharan Africa, those drugs didn't get there until 2002, 3, 4, 5. ²⁵ People died who didn't need to die. And we let that happen on our watch.
01:27:05		Jon Cohen VO: The failures to help people access drugs was just profoundly wrong. I wanted to show this terrible side of

²⁴ “This combination therapy was dubbed highly active antiretroviral therapy (HAART). That approach became the new standard of care for HIV in 1996.” <https://www.webmd.com/hiv-aids/hiv-treatment-history>

²⁵ Starting in 2006, some major originator companies for antiretrovirals signed voluntary licenses, enabling generic companies to sell antiretrovirals at greatly reduced prices in developing countries. 2002, when ART first began to become widely available in Sub-Saharan Africa. <https://www.healthaffairs.org/doi/10.1377/hlthaff.2018.05391>

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		humans, really. We really are capable of turning a blind eye.
01:27:22		Jon Cohen VO: The challenge with HIV and the challenge with COVID-19 is it's not simply about science. It's about politics. There's so much we learned about how societies and communities and governments reacted that's happening now. The community of people who've been working together for decades don't want to see this disaster happen again. <i>(music ends)</i>
01:27:52		Member of the Press on Camera: How do you justify the US not joining the WHO led COVAX effort to provide a vaccine globally, when more than 170 other countries have joined? ²⁶
01:28:03	Lower Third: <i>Mike Pompeo US Secretary of State Trump Administration</i>	Mike Pompeo on Camera: There is no nation that has been or will be as deeply committed to delivering vaccines all around the world as the United States of America, not just in terms of dollars. We will dwarf every nation in terms of the financial resources, the goodness of the American people, to give our money, to make sure that these vaccines are delivered all around. No nation will match us. It won't even be close.
01:28:29		Mike Pompeo on Camera: But it is also imperative that when we do that, we need to do so in a way that's effective. That's not political, that is science based. And what we have seen demonstrated from the World Health Organization, that it is not that. <i>(music begins)</i>
01:28:57		Tedros Adhanom Ghebreyesus on Camera: Please don't politicize this virus. It exploits

²⁶ 172 countries had joined COVAX by August 2020, with the number rising to 184 by October 2020.
https://www.voanews.com/a/covid-19-pandemic_who-says-184-countries-have-now-joined-covax-vaccine-program/6197326.html
<https://www.who.int/news/item/24-08-2020-172-countries-and-multiple-candidate-vaccines-engaged-in-covid-19-vaccine-global-access-facility>

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		the differences you have at the national level.
01:29:05		Donald Trump on Camera: We are by far the largest contributor to WHO, World Health ²⁷ , and they misled us. I don't know. They must have known more than they knew.
01:29:17		Tedros Adhanom Ghebreyesus on Camera: When there are cracks at national level and global level, that's when the virus succeeds.
01:29:32		News Anchor on Camera: It is now official. The Trump administration has taken the unprecedented step of formally pulling the United States out of the World Health Organization. ²⁸
01:29:43		Tedros Adhanom Ghebreyesus on Camera: For God's sake, we have lost citizens of the world. Even one person is precious. <i>(music ends)</i>
01:29:57	Location ID Text: <i>Pittsburgh, Pennsylvania</i>	News Reporter VO: COVID-19 is forcing all of us to live in new ways, but it is also exposing longstanding rifts in American society.
01:30:06		News Reporter VO: According to a recent New York Times analysis, African Americans and Latinos have been disproportionately hit by COVID-19. ²⁹
01:30:13		News Reporter VO: Black and brown communities across the country being hit harder in greater numbers and with fewer resources to save them.
01:30:22	Lower Third: <i>Rev. Paul Abernathy Neighborhood Resilience Project</i>	
01:30:26		Catrice on Camera: My aunt couldn't breathe. You're not breathing right.

²⁷ <https://www.who.int/about/funding/contributors>

²⁸ <https://www.bbc.com/news/world-us-canada-53327906>

²⁹ “In October 2020, Blacks and Latinos were four to nine times more likely to be infected by COVID than whites, even in our nation’s top hot spots.”

<https://www.health.harvard.edu/blog/communities-of-color-devastated-by-covid-19-shifting-the-narrative-20201022-21201> <https://pubmed.ncbi.nlm.nih.gov/32853056/>

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		Something's wrong, and they called the ambulance and they took her to the hospital.
01:30:32		Father Paul Abernathy on Camera: Okay.
01:30:33		Catrice on Camera: And we found out she was COVID positive. It was surreal, and it still is surreal to have someone here one moment, and then the next moment it's almost like it was all a dream. <i>(music begins)</i>
01:30:48		Adrienne McKinley on Camera: He died at the hospital. He went into respiratory distress earlier that evening, out having a good time with his kids. That sudden. We just going to try to keep as many people as possible from catching it. That's all we can do.
01:31:02		Sherry Perkins on Camera: It infected my brother-in-law, my mother-in-law, my father-in-law, my husband, his sister, her husband, and then my husband brought it home, unknowingly, and it infected both me and my two children. My father-in-law was so ill. He wasn't even able to make it out of the hospital to attend his wife and his son's funeral. They literally were gasping for their last breath.
01:31:37		Father Paul Abernathy: As disease rips through our communities, this pain that the disease leaves in its wake, we just cannot ignore it. This has changed everything. <i>(music ends)</i>
01:32:03		Father Paul Abernathy: In March, it was something in New York.
01:32:05		Reverend Martie: Yes.
01:32:06		Father Paul Abernathy: But now...
01:32:07		Reverend Martie: Right.
01:32:08		Father Paul Abernathy on Camera: It's with us.
01:32:08		Reverend Martie on Camera: Right. Let me just start with this. Allegheny County reported 1,470 new cases over the last 48

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		hours. So we're accounting for nearly half of what the state is experiencing. In other words, we're breaking records in all the ways we don't want to.
01:32:25		Rhona on Camera: That's a wake up call.
01:32:27		Father Paul Abernathy on Camera: So here's the thing. Do we have a breakdown of neighborhoods? We have to look at these communities that have these increasing positive test rates and we have to have community members, even if they're not docs, even if they're not first responders, we have to have some community members to take action where our government has failed to get a handle on this community spread– these outbreaks in these communities.
01:32:50		Rhonda: Right.
01:32:52		Father Paul Abernathy: This is all a part of our reality now.
01:33:01	Card: <i>September 2020 1,060,000 dead worldwide (animation from July 2020)</i>	
01:33:23	Subtitle: <i>Ladies and gentlemen,</i>	Trump Supporter with Megaphone on Camera: Ladies and Gentlemen,
01:33:24	Subtitle: <i>You know what time it is.</i>	Trump Supporter with Megaphone on Camera: You know what time it is.
01:33:25	Subtitle: <i>It's time to vote for Donald J. Trump, folks</i>	Trump Supporter with Megaphone on Camera: It's time to vote for Donald J. Trump, folks. It is time. Keep your eyes on the prize...
01:33:32		<i>(Trump Supporters cheering)</i>
01:33:36		Trump Supporter with Megaphone: Happy people, hungry people, angry people, who cares? Doesn't matter...
01:33:41	Subtitle: <i>Fuck Dr. Fauci hat?</i>	Jon Cohen on Camera: Fuck Dr. Fauci hat?

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01:33:42	Subtitle: <i>Yeah, exactly.</i>	Protestor in Fuck Fauci Hat on Camera: (chuckles) Yeah, exactly.
01:33:43	Subtitle: <i>Why fuck Dr. Fauci?</i>	Jon Cohen on Camera: Why fuck Dr. Fauci?
01:33:44	Subtitle: <i>Why Not?</i>	Protestor in Fuck Fauci Hat on Camera: Why not?
01:33:45	Subtitle: <i>What did he do?</i>	Jon Cohen on Camera: What did he do?
01:33:46	Subtitle: <i>Well, what did he do?</i>	Protestor in Fuck Fauci Hat on Camera: Well, what did he do?
01:33:46		Jon Cohen: Yeah.
01:33:47	Subtitle: <i>I think we deserve a second opinion.</i>	Protestor in Fuck Fauci Hat on Camera: I think we deserve a second opinion.
01:33:52		Jon Cohen on Camera: Why? Why say fuck a doctor who's telling...
01:33:53	Subtitle: <i>Biden is not a doctor!</i>	Protestor Yelling: Biden is not a doctor.
01:33:55		Jon Cohen on Camera: He is a doctor.
01:33:56	Subtitle: <i>Jill Biden is not a doctor!</i>	Protestor Yelling: Jill Biden is not a doctor
01:33:57		Jon Cohen on Camera: No, that's not what I'm talking about, he's wearing a fuck Dr. Fauci hat, I'm asking him why.
01:34:01	Subtitle: <i>Why do you say fuck you to a scientist</i>	Jon Cohen on Camera: Why, why do you say fuck you to a scientist
01:34:04	Subtitle: <i>who is giving you data?</i>	Jon Cohen VO: Who is giving you data?
01:34:06	Subtitle: <i>Why do you say fuck you to that?</i>	Jon Cohen VO: Why do you say fuck you to that?

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01:34:06	Subtitle: <i>He's been wrong too often.</i>	Protestor Yelling on Camera: Um, he's been he's been wrong too often.
01:34:07		Woman in back on camera: Why do you say it?
01:34:09	Subtitle: <i>Watch out, there's kids here.</i>	Woman in back on camera: Watch out, there's kids here.
01:34:12		Jon Cohen on Camera: He's wearing a hat that says that don't tell me that.
01:34:13	Subtitle: <i>There's a child there.</i>	Protestor in back: And you're saying it out loud when there's a child there!
01:34:15		Jon Cohen: Talk to him. Talk to him. Talk to him.
01:34:17	Subtitle: <i>Shame on you!</i>	Protestor Yelling: Shame on you... Shame on you...
01:34:17		Jon Cohen on Camera: Talk to him. These kids can read. Shame on him.
01:34:19		Trump Crowd Cheering: We're doing it for Trump. You know how it goes. We want four more years. Four more!
01:34:25		Donald Trump on Camera: Fauci's a disaster. I mean, this guy, every time he goes on television, there's always a bomb. He called every one of them wrong. People are tired of hearing Fauci.
01:34:36		Donald Trump on Camera: They say he's a wonderful guy, and he is a wonderful guy. I like him. He just happens to have a very bad arm. He has a bad arm.
01:34:49		Crowd Chanting: Arrest Fauci. Arrest Fauci.
01:34:54		News Reporter on Camera: Well, this is just disturbing to hear. Dr. Anthony Fauci, a key member of the White House coronavirus task force. He is now facing death threats.

³⁰ <https://www.webmd.com/lung/news/20210729/fighting-fauci-from-ridicule-to-death-threats-attacks-continue>

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01:35:03		Interviewer VO: This war on science, Dr. Fauci, you are the face of science for so many right now, not just here in the United States, but around the world.
01:35:10		Anthony Fauci VO: I wouldn't have imagined in my wildest dreams that people don't like what I say, namely, in the word of science that they actually threaten you. I mean, that to me is just strange.
01:35:32	Subtitle: <i>Hey, Chris?</i>	Anthony Fauci: Hey, Chris?
01:35:33	Subtitle: <i>Can you give me another and get some more wine for Jon?</i>	Anthony Fauci: Can you give me another and get some more wine for Jon?
01:35:44		Jon Cohen on Camera: Oh, that's kind of you. Thank you.
01:35:47		Anthony Fauci: Okay.
01:35:51	Lower Third: <i>Dr. Anthony Fauci US National Institutes of Health</i>	Jon Cohen on Camera: I'm going to turn on my recorder. So this is an attempt to make a time capsule to capture something for history. What's happening right now, so that we can look back on it, understand this really intense time.
01:36:06		Anthony Fauci on Camera: The problem is that I'm walking a fine line of being the only one in that task force who's not afraid to tell the president and the vice president what they don't want to hear. I mean, I'm not trying to undermine the president. But there is something that's called reality.
01:36:27		Jon Cohen VO: Yeah.
01:36:27		Anthony Fauci: So that when you have 40,000 infections a day or goes up to 70,000 infections and then plateaus at 44,000, that's not good news. ³¹
01:36:40		Jon Cohen on Camera: Yeah.
01:36:41		Anthony Fauci: The president goes around and he'll ask something and I'll say, no, absolutely not. And everybody goes,

³¹ <https://www.wsj.com/articles/coronavirus-latest-updates-092520-11601019557>, The U.S. reported about 44,000 new cases Thursday
<https://thehill.com/policy/healthcare/overnights/520086-overnight-health-care-trump-works-from-oval-office-six-days>, The U.S. is averaging about 44,000 new COVID-19 cases per day

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		[screeches] how could you possibly say that?
01:36:50		Anthony Fauci: Some people, no names being named, get really awe struck by the oval office and awe struck by the west wing and awe struck by the cars coming in and out and the secret service with their guns and all that sort of stuff. And then you say to yourself, gee, this is really cool. And you hesitate to really say what you think of something. I have not hesitated at all.
01:37:20		Jon Cohen on Camera: I know it's late for you. It's been a very long day. What do you think about the possibility? You know, China had three inactivated vaccines in a world where people worked together.
01:37:33		Anthony Fauci: Right.
01:37:33		Jon Cohen on Camera: Warp Speed could have said, let's make a Chinese vaccine one of the candidates that we're going to evaluate.
01:37:38		Anthony Fauci: Yeah. To be honest with you, Jon, you're going to have to ask Moncef that. I mean, that's the... You have a history of asking me about things that I don't have control over. You've been asking me these questions for decades.
01:37:56		Jon Cohen VO: In the United States, the Trump administration's 10.8 billion Operation Warp Speed ³² accelerated vaccine R and D faster than many researchers thought possible. ³³ An equally massive effort unfolded in China. ³⁴

³² <https://www.the-sun.com/news/1799850/donald-trump-operation-warp-speed-coronavirus-vaccine/>, Was funded with nearly \$10 billion through the CARES Act passed by Congress.
<https://www.cnbc.com/2020/08/14/the-us-has-already-invested-billions-on-potential-coronavirus-vaccines-heres-where-the-deals-stand.html>, So far, the deals with a handful of pharmaceutical giants have topped roughly \$10.79 billion as part of Operation Warp Speed

³³ <https://apnews.com/article/years-research-groundwork-covid-19-shots-f204192f07cfcc3503dc9c7687ae6269>, Years of research laid groundwork for speedy COVID-19 shots.
<https://www.paho.org/en/news/21-10-2020-work-develop-covid-19-vaccine-faster-ever-safety-and-efficacy-processes-remain>, It is important to emphasize that while we're working to develop a vaccine faster than ever before, the process to guarantee its safety and efficacy is unchanged

³⁴ <https://www.npr.org/2020/05/20/859071659/amid-high-stakes-china-is-fast-tracking-covid-19-vaccine-efforts>

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01:38:16		Jon Cohen VO: But China is not waiting for the results before widely using the vaccines at home, hundreds of thousands of people have received its vaccines. ³⁵
01:38:23		News Reporter VO: China has really tried aggressively to enter this space in this pandemic. Both to reverse the narrative about itself in this pandemic, but also to put itself as a innovator and a country that can master this technology.
01:38:38		News Reporter (Viva Van Loock) VO: The country where the pandemic begun has done a thorough job suppressing transmissions by forcing entire cities to quarantine. In countries unable or unwilling to impose such hard line restrictions, the pandemic is burning out of control.
01:38:55		News Reporter (Igor Myakotin) VO: The United States leads the world in cases, followed by India and Brazil. While the UK and Europe also report new waves of mortalities. ³⁶ With winter weather pushing people to socialize indoors, the virus could spread even more rapidly.
01:39:12		News Reporter VO: Johnson and Johnson's vaccine trial just reached phase three with the largest group of participants so far of any trial. That's 60,000 participants. ³⁷
01:39:19		News Reporter VO: The study will be run mainly in the US, but also in South America, in six countries as well in South Africa.
01:39:28		Dan Barouch on Camera: It's a study of importance level that cannot even be measured.

³⁵<https://www.npr.org/sections/goatsandsoda/2020/11/12/933956247/china-is-inoculating-thousands-with-unapproved-covid-19-vaccines-why>, China's two biggest vaccine companies have already begun inoculating hundreds of thousands of mostly state workers in a bid to get a head start

³⁶ <https://www.nbcnews.com/news/us-news/world-surpasses-40-million-covid-19-cases-u-s-leads-n1243889>, United States leading the world with the highest numbers of infections and deaths. India (7.6 million cases), Brazil (5.2 million cases) and Russia (1.4 million cases) had the next highest total number of coronavirus infections after the U.S.

³⁷<https://www.reuters.com/article/health-coronavirus-johnson-johnson/ji-kicks-off-study-of-single-shot-covid-19-vaccine-in-60000-volunteers-idUSKCN26E27Q>, Johnson & Johnson on Wednesday began a 60,000-person trial of an experimental single-shot COVID-19 vaccine

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01:39:33		Diane Kanjil on Camera: There is an electricity in the air right now with our volunteers who are just not doing this for themselves, but for the bigger picture.
01:39:41		Dan Barouch on Camera: J&J has committed to mass producing and delivering this vaccine on a nonprofit basis. You absolutely are welcome to emphasize that with participants.
01:39:52		Kathryn Stephenson on Camera: That's certainly something our participants always want to talk about because they're not doing this for themselves. They're doing it for-
01:39:57		Dan Barouch on Camera: That is public knowledge.
01:39:58		Kathryn Stephenson: Global public health. I talk to them sometimes and I say, you are going to help us figure out what dose we might use in a vaccine that might end up going to a billion people. Just think about that. You, as an individual, we may never have this much impact in our lives again.
01:40:13		Diane Kanjil on Camera: Yeah. Yeah.
01:40:17		Dan Barouch VO: We don't have any data yet from them, of course. The trials are ongoing, but we think a single shot vaccine is a very promising option. Just imagine how much easier it would be to go to your local doctor or your local pharmacy, get a one shot and you're done. That would be substantially more feasible for global pandemic control. We are anxiously awaiting the results. <i>(music begins)</i>
01:40:54	Location ID Text: <i>São Paulo, Brazil</i>	News Reporter VO: More than 2 million people are infected with a virus in Brazil. ³⁸ A vaccine is crucial to help save lives.

³⁸<https://apnews.com/article/virus-outbreak-health-caribbean-ap-top-news-brazil-1b4263980a7e4afde43be1d7cba82fde>

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01:41:22	Subtitle: <i>We're seeing 1,100 to 1,200 deaths every day.</i>	Thiago de Mello VO (in Portuguese): We're seeing 1,100 to 1,200 deaths every day. ³⁹
01:41:26	Subtitle: <i>That's how things are here. 112,000 dead already in Brazil.</i>	Thiago de Mello VO (In Portuguese): That's how things are here. 112,000 dead already in Brazil. ⁴⁰ <i>(music ends)</i>
01:41:32	Subtitle: <i>And we've been in this scenario for what? Four, five months?</i>	Thiago de Mello (in Portuguese): And we've been in this scenario for what? Four, five months?
01:41:36	Subtitle: <i>And it's only getting worse.</i>	Thiago de Mello (in Portuguese): And it's only getting worse.
01:41:38	Subtitle: <i>I had it and there were complications.</i>	Jorge VO (in Portuguese): I had it and there were complications.
01:41:41	Subtitle: <i>Nothing serious.</i>	Jorge on Camera (in Portuguese): Nothing serious.
01:41:44	Subtitle: <i>Nothing too serious. Your whole family had it and got better.</i>	Thiago de Mello (in Portuguese): Nothing too serious. Your whole family had it and got better.
01:41:48		Jorge (in Portuguese): Yes, yes.
01:41:50	Subtitle: <i>It's one less thing to worry about.</i>	Thiago de Mello (in Portuguese): It's one less thing to worry about.

³⁹

<https://abcnews.go.com/International/covid-ravaged-brazil-vaccine-lab-english-chinese-researchers/story?id=72415456>, And 1,200 deaths were recorded

<https://www.ft.com/content/5ac782be-439b-4dfa-8967-045f9e4fa25d>, We have been up there in the rankings for 70 days, with 1,200, 1,300 deaths every day.

⁴⁰<https://abcnews.go.com/International/covid-ravaged-brazil-vaccine-lab-english-chinese-researchers/story?id=72415456>, And deaths above 112,000, trailing only the U.S.

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01:41:52	Subtitle: <i>Especially for Jorginho, right? He’s only a child.</i>	Thiago de Mello (in Portuguese): Especially for Jorginho, right? He’s only a child.
01:41:56	Subtitle: <i>I was scared to death because he has bronchitis.</i>	Jorge on Camera (in Portuguese): I was scared to death because he has bronchitis.
01:41:59	Subtitle: <i>I’m also afraid for my mom because she has bronchitis, asthma.</i>	Thiago de Mello (in Portuguese): I’m also afraid for my mom because she has bronchitis, asthma.
01:42:03	Subtitle: <i>I gotta tell you, man,</i>	Thiago de Mello on Camera (in Portuguese): I gotta tell you, man,
01:42:05	Subtitle: <i>I went catatonic when it began.</i>	Thiago de Mello on Camera (in Portuguese): I went catatonic when it began.
01:42:07	Subtitle: <i>Especially because of my mother.</i>	Thiago de Mello on Camera (in Portuguese): Especially because of my mother.
01:42:09	Subtitle: <i>She’s everything to me.</i>	Thiago de Mello on Camera (in Portuguese): She’s everything to me.
01:42:11	Subtitle: <i>Imagine causing something like that.</i>	Thiago de Mello on Camera (in Portuguese): Imagine causing something like that.
01:42:14	Subtitle: <i>Imagine, anyone could bring it home.</i>	Thiago de Mello on Camera (in Portuguese): Imagine, anyone could bring it into home.
01:42:16	Subtitle: <i>Then something happens.</i>	Thiago de Mello on Camera (in Portuguese): Then something happens.
01:42:44	Subtitle: <i>I’ll be leaving at 7 in the morning.</i>	Thiago de Mello (in Portuguese): I’ll be leaving at 7 in the morning.
01:42:46	Subtitle: <i>From 7am to 7pm?</i>	Regina de Mello (in Portuguese): From 7am to 7pm?

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01:42:48	Subtitle: <i>I'll see how the cases are. God help us.</i>	Thiago de Mello (in Portuguese): I'll see how the cases are. God help us.
01:42:52	Subtitle: <i>I heard there's a place</i>	Regina de Mello on Camera (in Portuguese): I heard there's a place
01:42:55	Subtitle: <i>that already has a second wave with lots of people. My God.</i>	Regina de Mello on Camera (in Portuguese): that already has a second wave with lots of people. My God.
01:43:00	Subtitle: <i>But here there's no "second wave" until the election.</i>	Thiago de Mello on Camera (in Portuguese): But here there's no second wave until the election.
01:43:03	Subtitle: <i>The election is coming up this month, right?</i>	Regina de Mello (in Portuguese): The election is coming up this month, right?
01:43:05	Subtitle: <i>November.</i>	Thiago de Mello on Camera (in Portuguese): November. ⁴¹
01:43:07	Subtitle: <i>November.</i>	Regina de Mello on Camera (in Portuguese): November.
01:43:11	Subtitle: <i>I've had the virus.</i>	Bolsonaro on News (in Portuguese): I've had the virus.
01:43:14	Subtitle: <i>I already have antibodies. Why would I get vaccinated again?</i>	Bolsonaro on News (in Portuguese): I already have antibodies. Why would I get vaccinated again? ⁴²
01:43:17	Subtitle: <i>Everything now is the pandemic.</i>	Bolsonaro on News (in Portuguese): Everything now is the pandemic.
01:43:20	Subtitle: <i>We have to put a stop to that.</i>	Bolsonaro on News (in Portuguese): We have to put a stop to that.

⁴¹ <https://www.ft.com/content/3d5a7c29-89c2-45d2-98cb-3e2ae1ccb319>

<https://www.washingtonpost.com/opinions/2020/11/18/brazil-election-results-bolsonaro-left/>

⁴² <https://www.france24.com/en/live-news/20211013-brazil-s-bolsonaro-decides-not-to-get-vaccinated>

<https://www.theguardian.com/world/2021/oct/13/president-of-brazil-says-it-makes-no-sense-for-him-to-be-vaccinated>

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01:43:22	Subtitle: <i>I'm sorry for all those who have died. I'm sorry.</i>	Bolsonaro on News (in Portuguese): I'm sorry for all those who have died. I'm sorry.
01:43:25	Subtitle: <i>All of us are going to die one day. Everyone is going to die.</i>	Bolsonaro on News (in Portuguese): All of us are going to die one day. Everyone is going to die.
01:43:29	Subtitle: <i>We have to stop being a country of sissies.</i>	Bolsonaro on News (in Portuguese): We have to stop being a country of sissies
01:43:36	Location ID Text: <i>Pittsburgh, Pennsylvania</i>	
01:43:40		Father Paul Abernathy on Camera: Morning, little bud. How you doing?
01:43:42		Katherine Abernathy: Can you say, good morning?
01:43:44		Father Paul's Son: Good morning.
01:43:46		Father Paul Abernathy: Good morning.
01:43:49		Father Paul Abernathy on Camera: How you doing little bud? How'd you sleep? Did you sleep good? Do you want to say good morning, baby sister? Should we give her kiss? That's great, bud.
01:44:07		Father Paul Abernathy on Camera: In the name of the father, of the son, the holy spirit, amen. Glory to the our God, glory to the O heavenly king of comfort of the spirit of truth throughout in all places and fill us all. Thank you.
01:44:15		Father Paul Abernathy VO: As we arise from sleep, we fall down before the oh, good one. And we cry on today with the hymn of the angels, oh mighty one. Holy, holy, holy art thou oh God. For the focus. Have mercy on us. Glory to the father and to the son of the holy spirit.
01:44:26		Father Paul Abernathy VO: Lord have mercy. Lord have mercy. Lord have mercy. Lord have mercy. Lord have mercy. Lord have mercy. Have mercy us and save us. Amen.
01:44:35		Father Paul Abernathy on Camera: So great seeing you. How are you? How are you?

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01:44:38		Woman in Tan on Camera: Fine.
01:44:39		Father Paul Abernathy on Camera: Good.
01:44:39		Community Member: Yes.
01:44:40		Reverent Martie: All right. Let's have a seat. We're going to get started, guys.
01:44:44		Father Paul Abernathy: Oh, we're going to get started.
01:44:45		Father Paul Abernathy on Camera: Now, I want to begin by saying welcome to the movement. We are facing a great mountain right now that is killing our brothers and sisters by the thousands. ⁴³
01:44:55		Father Paul Abernathy on Camera: You ever hear people say, well, I can't wait to get back to normal? And I think, well, what normal we want to go back to? We want to go back to the normal of failing schools? We want to go back to the normal of not enough housing for homeless folks? We want to go back to the normal of violence on our streets and institutional racism? Is this the normal we want to get back to?
01:45:17		Father Paul Abernathy on Camera: COVID disrupted everything. There's a major opportunity there. Father, if you would please, the next slide. The work that you all are doing is to go out into our communities and try and save lives and nothing short of it. <i>(music begins)</i>
01:45:35		Father Paul Abernathy VO: There are three primary objectives that we have. The first is to combat the spread of COVID-19.
01:45:47		Community Health Deputy on Camera: And this is some information that you could share, or you could get for yourself, of people of color. Well, sometime we get left behind.
01:45:54		Man in Sweatshirt on Camera: Right.
01:45:58		Father Paul Abernathy: Second, discover and respond to basic needs in the community.

⁴³ <https://www.businessinsider.com/how-us-coronavirus-outbreak-compares-to-other-countries-charts-2020-10>
<https://www.cbsnews.com/news/coronavirus-death-toll-us-200000-covid-19/>

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01:46:03		Community Health Deputy on Camera: And have you had a Coronavirus test? They have a testing site at the corner of Charles street.
01:46:11		Father Paul Abernathy: Thirdly, we want to support the mental health of the community.
01:46:17		Community Health Deputy: Hi.
01:46:18		Father Paul Abernathy: How you all doing?
01:46:19		Community Health Deputy: How are you?
01:46:19		Woman Inside Home: Staying safe.
01:46:25		Community Health Deputy on Camera: It's like we're starting to know people who have been infected with COVID.
01:46:30		Father Paul Abernathy: Yeah.
01:46:30		William Roberson: Yes.
01:46:30	Subtitle: <i>My friend...</i>	William Roberson on Camera: My friend.
01:46:31		Community Health Deputy on Camera: Yes, has COVID.
01:46:32		Father Paul Abernathy: Is that really right?
01:46:33	Subtitle: <i>her husband just got it and he's not doing too great.</i>	William Roberson on Camera: Yes, her husband just got it and he's not doing too great.
01:46:37		Father Paul Abernathy: And if we do this right, it won't only be about the wellbeing of our generation, but it will be about the wellbeing of our children and our children's children and our children's children, children.
01:46:58		Member of the Press on Camera: Mr. President, the FDA is reportedly considering stricter guidelines for the emergency authorization of a COVID vaccine. ⁴⁴ Are you okay with that? <i>(music ends)</i>
01:47:09		Donald Trump on Camera: Well, I tell you what. We're looking at that, that has to be approved by the white house. We may or may not prove it. That sounds like a political move because when you have

⁴⁴ <https://www.cnn.com/2020/09/22/health/coronavirus-vaccine-fda-authorization-rules/index.html>
<https://www.washingtonpost.com/health/2020/09/22/fda-covid-vaccine-approval-standard/>

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		Pfizer, Johnson and Johnson, Moderna these great companies coming up with the vaccines and they've done testing and everything else, I'm saying, why would they have to be adding great length to the process? I don't see any reason why it should be delayed further.
01:47:32		News Reporter VO: The president's patience seems to be wearing thin. He was tweeting this morning, complaining about the FDA, then telling them to quote, "Get the damn vaccines out."
01:47:45		Chris Beyrer on Camera: Ladies and gentlemen a warm welcome to all the attendees of today's symposium on protecting the integrity of the COVID vaccine development effort.
01:47:52		Joshua Sharfstein on Camera: So I'll turn to Dr. Marks and hope you're able to comment on what you would say to people who are concerned about FDA's ability to maintain integrity in this process.
01:48:04		Peter Marks on Camera: Our process must end up ultimately increasing trust in vaccines. And— because without that vaccine confidence, we're not going to get to where we need to without getting to the point of having a large fraction of the population vaccinated with a reasonably effective vaccine, we're going to continue to be in places like my basement right now, where we'll be working from home for long periods of time. So we need to get back to normal lives. <i>(music begins)</i>
01:48:36		News Reporter VO: Last night, the president, again, promising a COVID vaccine soon.
01:48:40		Donald Trump on Camera: We're going to have a vaccine very soon, maybe even before a very special date. You know what date I'm talking about.
01:48:47		Peter Marks on Camera: We will make sure that they meet the quality manufacturing

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		standards that we've set and the safety and efficacy standards.
01:48:55		News Interviewer on Camera: The FDA is proposing stricter guidelines for approval of a COVID vaccine. Do you support that new FDA guidance?
01:49:03		Anthony Fauci on Camera: Oh, I definitely support the FDA.
01:49:05		News Reporter VO: The guidelines call for checking on adverse reactions for at least two months after phase three trials are completed.
01:49:11		Peter Marks on Camera: For a vaccine, most adverse events occurred by two to three months. ⁴⁵ And obviously we're not going to allow anything to proceed that we have any significant concerns for safety on.
01:49:23		News Reporter: The white house has blocked new guidelines from the FDA that could have made COVID 19 vaccines safer. ⁴⁶
01:49:28		Paul Offit: He's trying to now bully the FDA into approving a vaccine or vaccines before they've been adequately tested. That is a major mistake.
01:49:38		Peter Marks on Camera: We do need to make sure that people trust in this and feel confident that what comes through our process is something because we at FDA are comfortable giving that vaccine to our families, they will feel comfortable giving it to their families. And I'll stop there.
01:50:12		Peter Marks on Camera: Cans get to go back to their home. For another day. And we're done, thankfully. <i>(music ends)</i>
01:50:24		News Reporter VO: Being shared by scientist who does a lot of work with getting information out...

⁴⁵<https://www.healthline.com/health-news/fda-releases-new-guidelines-for-covid-19-vaccine-approval-what-to-know>
<https://thehill.com/policy/healthcare/519841-fda-asking-covid-19-vaccine-developers-for-safety-data-likely-pushing>

⁴⁶<https://www.usnews.com/news/national-news/articles/2020-10-06/report-white-house-blocks-new-fda-guidelines-on-coronavirus-vaccine-approval>
<https://www.nytimes.com/2020/10/05/us/politics/coronavirus-vaccine-guidelines.html>

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01:50:28		Peter Marks: I have my wife doing a... She's teaching an art class upstairs. So if you hear her get a little loud, she occasionally may... Hopefully you won't hear a lot.
01:50:37		Jon Cohen on Camera: So what happened?
01:50:38		Peter Marks on Camera: I don't—I wake up in the morning every day now and I'm like amazed at what happens. Basically sometime mid-morning today, the white house about faced. They said you should get it out quickly as possible. So we did. The guidance is out.
01:50:55		Jon Cohen on Camera: So in effect, this means it can't possibly be before the election. Right?
01:51:02		Peter Marks on Camera: It's very hard to imagine that we could have a submission get through the process and have a vaccine before the election.
01:51:12		Jon Cohen on Camera: Well, are you glad that you are not being called to go to the white house routinely now?
01:51:22		Peter Marks on Camera: So I have been told by my wife that if I set foot in the white house, I'll be sleeping on the street. So I won't be going to the white house for the near future. Okay? And I don't blame her, right? We're not going to the local hot zone here.
01:51:44	Card: <i>November 2020 1,250,000 dead worldwide (animation from July 2020)</i>	
01:51:48		News Anchor VO: Across the nation in red states and blue states and swing states, voters are delivering their verdict on a norm shattering president and two starkly different visions of America's future.
01:52:00		Jon Cohen on Camera: Oh, this is a big countdown moment Shan. Here we go.
01:52:05		Shannon Bradley on Camera: <i>(phone rings)</i> Pennsylvania! Oh, no. It's only 4%. Hey! 14%.
01:52:10		Esther Cohen on FaceTime: So far, it looks okay. They never show California.

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01:52:13		Shannon Bradley on Camera: Well no, because the polls are still open. They close at eight.
01:52:16		Esther Cohen on FaceTime: Yeah. Call me when he loses. He has to lose, he can't win.
01:52:21		Jon Cohen on Camera: Yeah.
01:52:22		Esther Cohen on FaceTime: Call me. It won't be over until real late.
01:52:24		Shannon Bradley: I know.
01:52:24		Jon Cohen on Camera: You'll be up for a while.
01:52:25		Shannon Bradley on Camera: I'll call you before I go to bed. I promise.
01:52:26		Jon Cohen on Camera: Okay. Bye.
01:52:28		Esther Cohen: You think they'll know by then?
01:52:29		Shannon Bradley: No, but I'll just check in before we go to bed. I promise.
01:52:32		Jon Cohen on Camera: Okay. I'm going to hang up on you now. I'm going to hang up on you.
01:52:35		Esther Cohen: I know you always do. Thank you very much.
01:52:37		Jon Cohen on Camera: Yeah. All Right. Bye.
01:52:37		News Reporter VO: Buckle up for a suspenseful night. Voters in all 50 states are having their say in the heated fight for 270 electoral votes. The number needed to win the white house.
01:52:50	Location ID Text: <i>Pfizer Executive Offices</i>	
01:52:55	Lower Third: <i>November 8, 2020 Internal Notification of Vaccine Trial Results⁴⁷</i>	[people chattering]
01:53:00		Pfizer Employee: So this is the moment we've been waiting for since Albert put us on a journey in March.
01:53:06	Lower Third: <i>Dr. Albert Bourla</i>	Albert Bourla on Camera: I'm getting superstitious. Let's not talk.

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<https://www.pfizer.com/news/press-release/press-release-detail/pfizer-and-biontech-announce-vaccine-candidate-against>
<https://www.nytimes.com/2020/11/09/health/covid-vaccine-pfizer.html>

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	<i>Chief Executive Officer Pfizer Inc.⁴⁸</i>	
01:53:10		Pfizer Employee: Okay. Be strong.
01:53:11		Albert Bourla on Camera: ...about when or what. Be strong.
01:53:16		Bill: Yeah. Hello everybody. <i>(music begins)</i>
01:53:17		Albert Bourla on Camera: Hi Bill. Hi Kathryn.
01:53:21	Subtitle: <i>Good news. We made it.</i>	Kathryn Jansen on Phone: Good news, we made it. [cheers]
01:53:25	Subtitle: <i>There's no safety concern whatsoever.</i>	Kathryn Jansen: There's no safety concern whatsoever.
01:53:30	Subtitle: <i>We strongly suggest that you submit to the FDA as soon as possible.</i>	Bill on Phone: We strongly suggest that you submit to the FDA as soon as possible.
01:53:37		Albert Bourla: To life.
01:53:39		Pfizer Team Members: To life.
01:53:40		Pfizer Employee: To breakthroughs.
01:53:41		Albert Bourla: Actually-
01:53:41		Pfizer Team Members: Breakthroughs.
01:53:42		Albert Bourla: This celebration's really to life.
01:53:49		Jon Cohen on Camera: It's 5:59 and I just woke up to slack messages, emails that Pfizer has reported its first interim analysis and they found 90% efficacy, which is startlingly high. ⁴⁹
01:53:54	Lower Third: <i>Dr. Larry Corey Clinical Trials Co-Director Operation Warp Speed</i>	Larry Corey on Camera: Okay, it's an amazing moment for science. What can we say? Shit, you come up with a vaccine in, you know, 11 months after the description of the virus. I mean, never in the history of anything has that been done. ⁵⁰ Just the

⁴⁸ https://www.pfizer.com/people/leadership/executives/albert_bourla-dvm-phd

<https://www.cnbc.com/2021/09/26/pfizer-ceo-albert-bourla-said-we-may-need-annual-covid-shots.html>

⁴⁹<https://www.pfizer.com/news/press-release/press-release-detail/pfizer-and-biontech-announce-vaccine-candidate-against>

<https://apnews.com/article/pfizer-vaccine-effective-early-data-4f4ae2e3bad122d17742be22a2240ae8>

⁵⁰<https://www.cnbc.com/2020/11/09/covid-vaccine-pfizer-drug-is-more-than-90percent-effective-in-preventing-infection.html>

<https://www.bbc.com/news/uk-54882091>

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		revelation of science that we are able to do this.
01:54:29		Jon Cohen on Camera: Dr. Fauci-
01:54:31	Subtitle: <i>They have over 90% efficacy.</i>	Anthony Fauci on Phone: They have over 90% efficacy.
01:54:33	Subtitle: <i>It's closer to 95%.⁵¹</i>	Anthony Fauci on Phone: It's closer to 95%. ⁵¹
01:54:35	Subtitle: <i>It's just...it's phenomenal.</i>	Anthony Fauci on Phone: It's just... It's phenomenal.
01:54:37	Subtitle: <i>It looks like things are good and they're even gonna get better</i>	Anthony Fauci on Phone: It looks like things are good and they're even going to get better
01:54:41	Subtitle: <i>with the other vaccines.</i>	Anthony Fauci on Phone: with the other vaccines.
01:54:43		Jon Cohen on Camera: This is insane.
01:54:44		Nicole Lurie on Camera: What a whirlwind, huh?
01:54:46		Jon Cohen on Camera: Wow.
01:54:47	Lower Third: <i>Dr. Nicole Lurie US Director Coalition for Epidemic Preparedness Innovations</i>	Nicole Lurie on Camera: I'm happy and reassured that we are seeing a return to being guided by science. We're all breathing easier, I think.
01:54:57		Jon Cohen on Camera: Are you referring to the vaccine or the election or both? <i>[laughs]</i>
01:55:03		Albert Bourla on Camera: We are already started the manufacturing sometime back. And as I said, we believe we should be able to have up to 50 million this year. ⁵² There is no time to be lost here.
01:55:18		News Reporter: Pharmaceutical giant, Pfizer will apply for FDA emergency use approval within days.
01:55:23		Anthony Fauci on Camera: The type of vaccine that it is, an mRNA vaccine, that is not the only company that has it. There's another company, Moderna, which has a

⁵¹<https://www.pfizer.com/news/press-release/press-release-detail/pfizer-and-biontech-conclude-phase-3-study-covid-19-vaccine>

<https://www.statnews.com/2020/11/18/pfizer-biontech-covid19-vaccine-fda-data/>

⁵²<https://www.pfizer.com/news/press-release/press-release-detail/pfizer-and-biontech-announce-vaccine-candidate-against>

<https://www.washingtonpost.com/health/2020/11/09/covid-vaccine-in-december/>

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		vaccine very similar, if not identical to this. Their results will be coming out soon. So it is likely that we're going to have more than one vaccine that's effective.
01:55:44		Dr. Kizzmekia Corbett: Like...I've already shed a million tears. This is...ugh
01:55:54		News Reporter on Camera: We're getting Moderna's phase three interim results. 94.5% efficacy for their COVID-19 vaccine. ⁵³ The bar was set very high by Pfizer last week at 90%, this met it.
01:56:11	Lower Third: <i>Dr. Kizzmekia Corbett Co-Developer of Moderna Vaccine US National Institutes of Health</i>	Dr. Kizzmekia Corbett: You know, that moment was, it was the first time that I was able to have any real happy tears in this entire thing. Science really spoke in that moment. That moment was beyond the race for me.
01:56:34		News Reporter VO: We now have two safe and highly effective vaccines that could be authorized by the Food and Drug Administration, and ready to distribute within weeks. <i>(music ends)</i>
01:56:50		News Reporter on Camera: We have some breaking news for you. The first coronavirus vaccine has been approved for use in the UK.
01:56:56		News Reporter VO: This has been manufactured by the US pharmaceutical company, Pfizer, and it's partner, BioNTech.
01:57:02		News Reporter VO: 90 year old Margaret Keenan making history as the first person in England, and indeed the world, to receive the Pfizer-BioNTech vaccine outside of trial. ⁵⁴
01:57:14		News Reporter on Camera: The President's been venting, because he's seeing other countries roll out their vaccines and their citizens getting shots in their arms. And so

⁵³<https://investors.modernatx.com/news-releases/news-release-details/modernas-covid-19-vaccine-candidate-meets-its-primary-efficacy>

<https://www.reuters.com/article/us-health-coronavirus-vaccines-moderna-i/instant-view-moderna-says-its-vaccine-is-94-5-effective-in-preventing-covid-19-idUSKBN27W1FD>

⁵⁴ <https://www.bbc.com/news/uk-55227325>

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		he has been incredibly frustrated that the emergency use has not been granted here for Pfizer's vaccine, despite how it's been in the works for several days.
01:57:28		News Reporter: The President has been putting on extreme pressure on his closest advisors to get the vaccine out the door.
01:57:38	Location ID Text: <i>Avalon, New Jersey</i>	News Reporter: A key FDA committee is going to go over the submission from Pfizer and BioNTech.
01:57:44		News Reporter: A group of outside, independent medical experts who will discuss all of this data, and then they will vote at the end of the day.
01:57:51	Lower Third: <i>Dr. Paul Offit</i> <i>Vaccine Advisory Committee</i> <i>US Food and Drug Administration</i>	Arnold Monto on Camera: Could we bring up the voting question? Based on the totality of scientific evidence available, do the benefits of the Pfizer BioNTech COVID-19 vaccine outweigh its risks for use in individuals 16 years of age and older, okay?
01:58:16		Dr. Doran Fink VO: Uh, uh, Dr. Fink, 16 and seven years ... 17-year-old children do not have high rates of disease, so it becomes a risk benefit balance that, that worries me.
01:58:30		Dr. Paul Offit on Camera: Um, Arnold, at some point, a- as a as another pediatrician, I'd like to chime in as a last pediatrician to chime in.
01:58:37		Arnold Monto VO: Okay.
01:58:37		Dr. Paul Offit on Camera: Um, here's what I would say. I think, um, I, I support the statement actually as written. I, I think it's never an issue of when you know everything, the question is when you know enough. We certainly know that this vaccine is, is highly effective for three months after dose one.
01:58:51		Dr. Paul Offit on Camera: We have clear evidence of, of benefit. Um, and all we have on the other side is theoretical risk.

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		So I, I frankly, would support this is as written. And I agree with Dr. Ruben.
01:59:03		Arnold Monto VO: Okay. I think we are going to vote.
01:59:06		Secretary on Camera: You'll have two minutes to cast your vote after the question is read, and all votes will be considered final. Go ahead and please cast your vote.
01:59:21		Secretary on Camera: Please close the vote and broadcast the results. So we do have a favorable vote, and that concludes this portion of the meeting, so I will now hand the meeting back over to Dr. Monto. Thank you, everybody.
01:59:37		Arnold Monto on Camera: And therefore, our work for the day is done. Goodnight and, uh, see you soon.
01:59:46		Bonnie Offit on VO: I'll have to give you a hug. <i>(laughs)</i> I got a little teary, I have to say.
01:59:49		Dr. Paul Offit on VO: Did you really?
01:59:50		Bonnie Offit on Camera: I did. Just did.
01:59:52		Dr. Paul Offit on Camera: Really?
01:59:53		Bonnie Offit on Camera: Just felt really emotion ... It's a big day. It's hard to get a feel for that 'cause you're sitting in this chair and it's your computer, but it was like a big, big deal.
01:59:59		Dr. Paul Offit on Camera: Yeah, it was.
02:00:00		Bonnie Offit on Camera: Wasn't it?
02:00:01		Dr. Paul Offit on Camera: She gets, she gets teary. Come on.

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02:00:02		Bonnie Offit on Camera: (laughs) I do.
02:00:03		Dr. Paul Offit on Camera: All right.
02:00:03		Bonnie Offit on Camera: All right.
02:00:20		<i>(phone rings)</i> General Perna on Phone: General Perna.
02:00:21	Lower Third: <i>Voice of Gen. Gustave Perna Chief Operating Officer Operation Warp Speed</i>	Peter Marks on Camera: Hi, General Perna. This is Peter Marks. How are you doing?
02:00:24		General Perna VO: Peter. How are you?
02:00:26		Peter Marks on Camera: Uh, very well.
02:00:26		General Perna VO: Cool.
02:00:27		Peter Marks on Camera: Hey, I know, I know we, we, we originally expected to be doing this probably tomorrow morning, but instead it's this evening, so, uh, congratulations. It is so exciting to have the, uh, the first, uh, the first authorized vaccine. It's really exciting.
02:00:42		General Perna VO: Sorry you had to go through all that political crap.
02:00:45		Peter Marks on Camera: I'm glad it's over with and I'm glad we're going to have this out and it'll give you a little more time. Everything should hopefully, uh, get organized.
02:00:51		General Perna VO: You will. It will. And I'm telling you, the vaccines will be moving, uh, tomorrow. <i>(music begins)</i>

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02:01:04	Location ID Text: <i>Kalamazoo, Michigan</i>	<i>(truck beeping)</i> General Perna on Camera: Within the next 24 hours, they will begin moving vaccine from the Pfizer manufacturing facility to the UPS and FedEx hubs, and then it will go out nationwide.
02:01:20		General Perna on Camera: We have realized the greatest public/private partnership in modern times. Doctors, scientists, researchers, factory workers, logisticians, and hundreds more have all come together for a singular purpose: save lives and end the pandemic.
02:01:41		Lab Member on Camera: I'm bringing a load over.
02:01:42		News Reporter VO: Overnight, a potential turning point in the COVID crisis. First doses are now being prepared to roll out from this Pfizer plant in Michigan.
02:01:51		News Reporter VO: From the production line to the arm.
02:01:54		News Reporter VO: Getting this vaccine out to at least 70% of the 330 million people in this country is going to be one of the biggest tasks we've ever, uh, undertaken.
02:02:18		Dr. Tedros Adhanom VO: Life-saving vaccines have been developed. Sharing vaccines now is essential for ending the acute phase of the pandemic. We're asking all countries to be part of a global effort to suppress the virus everywhere.
02:02:39		Dr. Tedros Adhanom VO: What happens next is up to us.
02:03:23		<i>(crowd clapping)</i>

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02:03:32		News Reporter VO: UPS and FedEx trucks and planes will soon start rushing this vaccine across the country, some shipments escorted by U.S. Marshals. We expect the first vaccinations as early as Monday.
02:03:51	Card: Part II	<i>(music ends)</i>
02:03:58	Card: <i>December 2020</i> <i>1,700,000 dead worldwide</i> <i>(animation from November 2020)</i>	
02:04:06	Location ID Text: <i>Pittsburgh, Pennsylvania</i>	Rev. Paul Abernathy on Camera: I think it's perfectly normal not to be excited about taking a vaccine. The father and I, we are old soldiers. ⁵⁵ You know when they had, we had vaccine day in the army.
02:04:26		Congregant on Camera: <i>(laughs)</i>
02:04:27		Rev. Paul Abernathy on Camera: Nobody woke up going, "It's vaccine day."
02:04:29		Congregant VO: Yep. <i>(laughs)</i>
02:04:29		Father Paul Abernathy on Camera: "I'm so excited. I can't wait to go get me shot up." But, you know, we do it because we know it's good for us.
02:04:38		Father Paul Abernathy: We know that we cannot wait until vaccines get into the community to begin talking about vaccines.

⁵⁵ <http://ww1.antiochian.org/light-and-joy-lord-dn-paul-abernathy-ordained-holy-priesthood> “He is also a veteran of the Armed Forces who honorably served his country.”
<https://www.nytimes.com/2020/10/07/health/coronavirus-vaccine-trials-african-americans.html> “Rev. Paul Abernathy, 41, an Orthodox Christian priest and Iraq War veteran who is Black...”
<https://www.orthodoxbutler.org/clergy> “Fr Martin Johnson, Jr....After completing his service in the U.S. Navy Chaplain Corps...”

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02:04:45		Father Paul Abernathy VO: Did you see this? Did you hear that African American woman developed the Moderna vaccine? ⁵⁶ It's very encouraging. I think, in a way, very fitting.
02:04:54		Rev. Paul Abernathy on Camera: Would you get, would you get the COVID vaccine, you won't?
02:04:57		Community Member on Camera: Nope.
02:04:58		Community Health Deputy VO: Oh, you wouldn't take it?
02:04:59		Community Member on Camera: Mm-mm (negative).
02:05:00		Rev. Paul Abernathy VO: The sooner that we talk about vaccine, the more time people have to warm up to the idea. To work through their own issues until they have the comfort, they need to really get this.
02:05:10		Community Member on Camera: I don't know what it is. I don't have corona, so I don't know.
02:05:12		Community Health Deputy on Camera: Uh huh (affirmative).
02:05:13		Community Member on Camera: I, I try to stay away from people who have it-
02:05:15		Rev. Paul Abernathy VO: That's good.
02:05:16		Community Member on Camera: ... so I don't have to worry about the vaccine.
02:05:17		Community Health Deputy on Camera: Okay. <i>(laughs)</i>

⁵⁶<https://abcnews.go.com/Health/kizzmekia-corbett-african-american-woman-praised-key-scientist/story?id=746799>
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02:05:17		Rev. Paul Abernathy on Camera: When people say, and I hear ... you know, I see this from watching the TV, and they say, "Oh, you know, black folks don't trust because of Tuskegee." ⁵⁷
02:05:26		Congregant on Camera: Right, right. I hear you. <i>(music begins)</i>
02:05:27		Rev. Paul Abernathy on Camera: Yes. Tuskegee was horrible. It's also not only about Tuskegee. That's the reality. When the crisis is all over, you know, and it will end one day, we've got to come together and point this out.
02:05:51		Rev. Paul Abernathy VO: We just want to remind you that when we needed testing sites, there wasn't any testing sites. ⁵⁸ We just want to remind you that there was a time when you told some folks to get on a bus for three hours if they had COVID symptoms to come to a testing site. ⁵⁹
02:06:09		Rev. Paul Abernathy VO: We just want to remind you all that. And we want to know how you're going to get right with what you did.
02:06:19		Community Health Deputy on Camera: Would you consider taking the vaccine?
02:06:21		Community Member on Camera: Oh no, I don't want to take it. I don't know. I wouldn't ever ... I just, I'm not going to take it. <i>(laughs)</i>

⁵⁷ <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2569322/>

⁵⁸ <https://www.npr.org/sections/health-shots/2020/04/02/825730141/the-coronavirus-doesnt-discriminate-but-u-s-health-care-showing-familiar-biases> “African Americans with symptoms like cough and fever were less likely to be given one of the scarce coronavirus tests.”

⁵⁹ Anecdotal.

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02:06:26		Community Health Deputy on Camera: Okay.
02:06:27		Rev. Paul Abernathy: Would you read some information about it?
02:06:28		Community Member on Camera: Oh, yes, I will.
02:06:29		Rev. Paul Abernathy: Well, I think, 'cause that'd be a great start.
02:06:31		Community Member on Camera: Yeah.
02:06:32		Rev. Paul Abernathy: See, we have to have that conversation because all of that influences attitudes about the vaccine.
02:06:40		Community Member on Camera: Right.
02:06:41		Rev. Paul Abernathy: 'Cause that wasn't somebody else that did all that. That was the very same people that are telling us now we need to get vaccinated. <i>(music ends)</i>
02:06:56	Location ID Text: <i>Cincinnati, Ohio</i>	<i>(people chattering)</i>
02:07:00		Doctor in the Crowd VO: Oh, he did for residency?
02:07:01		Doctor in the Crowd VO: Yeah.
02:07:02		Doctor in the Crowd VO: Oh, good for him. He's doing ER...
02:07:04		Doctor in the Crowd VO: Yeah, he is. He's going into the ER rotation here. He was so excited.
02:07:12		<i>(phone rings, voicemail tone)</i> Shelly Wiest on Camera: Hi, Ron. Just checking to see, um, if there was any adds overnight. Um, we had scheduled some

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		clinics today, trying to make our contingency plans if we don't receive vaccine today.
02:07:24		Doctor in the Crowd VO: Yeah.
02:07:27		News Reporter VO: Delivering the COVID vaccine is being called the biggest logistical challenge in a generation.
02:07:32		News Reporter VO: State and local health officials were left to piece together a massively complicated rollout operation without federal guidance or additional resources. ⁶⁰
02:07:41		News Reporter VO: Coast to coast, many areas dealing with a shortage of vaccine supply. ⁶¹
02:07:46		News Reporter VO: A slow rollout of the vaccine comes as the US approaches 400,000 deaths. ⁶²
02:07:52		News Reporter VO: Phone lines ring busy, websites are crashing. In Florida, first come, first serve for seniors led to long lines and frustration. ⁶³ <i>(music begins)</i>
02:08:01		Member of the Press on Camera: We've seen senior citizens waiting overnight for the vaccine.
02:08:04		Governor Ron DeSantis on Camera: Why did that happen?
02:08:05		Member of the Press on Camera: That's my question to you, Governor. You're the

⁶⁰ <https://www.statnews.com/2021/01/31/trump-officials-lobbied-to-deny-states-money-for-vaccine-rollout/>

⁶¹ <https://www.nytimes.com/2021/01/05/us/politics/coronavirus-vaccine-supply.html>

⁶² <https://www.npr.org/sections/health-shots/2021/01/19/957488613/as-death-rate-accelerates-u-s-records-400-000-lives-lost-to-the-coronavirus>

⁶³ <https://abcnews.go.com/US/long-lines-covid-19-vaccines-build-florida-tennessee/story?id=74988405>

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		governor of this state. I'm not the governor of this state.
02:08:09		Mayor Lori Lightfoot on Camera: We were promised 20 million doses by the end of 2020. Federal government came nowhere close to meeting that mark. ⁶⁴
02:08:17		<i>(doctors chattering in line)</i>
02:08:21		Shelly Wiest on Camera: We were expecting to receive a vaccine shipment today. I just have clinics scheduled, that's why I'm trying to figure out how to notify people.
02:08:30		Mayor Lori Lightfoot VO: It is essential that in the waning days of this current administration and the incoming administration that they step up those efforts and deliver on the promises because lives are hanging in the balance. <i>(music ends)</i>
02:08:57		Dr. Moncef Slaoui on Camera: Well, we are focused, frankly, on making sure that the vaccines are made available as quickly as possible and distributed as efficiently as possible.
02:09:06		News Anchor on Camera: How much are you concerned with the lack of communication with the Biden transition team?
02:09:11		Dr. Moncef Slaoui VO: Uh, of course, we would hope that transition happen, uh, quietly and smoothly, uh, and we're here to serve the American people.

⁶⁴<https://www.reuters.com/article/us-health-coronavirus-usa-vaccinations/u-s-vaccinations-in-2020-fall-far-short-of-target-of-20-million-people-idUSKBN29512W>

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02:09:19		News Anchor on Camera: Have you had any contact with members of the Biden transition?
02:09:24		Dr. Moncef Slaoui on Camera: No, no contact.
02:09:30		News Anchor on Camera: AstraZeneca announcing late-stage data shows its vaccine was, on average, 70% effective at preventing the virus, but that's not the whole story. ⁶⁵
02:09:39		News Reporter VO: The team carried out the trials using different amounts of the vaccine. For those who received two full doses four weeks apart, it was found to have 62% efficacy ⁶⁶ , but counterintuitively, for those who received an initial half dose followed by a full dose a month later, it was found to be 90% effective. ⁶⁷
02:10:02		News Reporter VO: AstraZeneca and Oxford University acknowledged a manufacturing error. ⁶⁸
02:10:06		News Reporter VO: The half dose was never supposed to happen in the first place. It was actually an error. One that turned out to be a rather fortunate one.
02:10:15	Lower Third: <i>Dr. Adrian Hill</i> <i>Co-Developer of</i> <i>AstraZeneca Vaccine</i> <i>Oxford University</i>	Dr. Adrian Hill on Camera: There was no mistake. We knew exactly what we were doing. There was no error by the investigation team. ⁶⁹

⁶⁵ <https://www.nature.com/articles/d41586-020-03326-w>

⁶⁶ <https://www.nature.com/articles/d41586-020-03326-w>

⁶⁷ <https://www.nature.com/articles/d41586-020-03326-w>

⁶⁸ <https://apnews.com/article/international-news-oxford-coronavirus-pandemic-883e783962dc562a99864b4b63de9897>

⁶⁹ <https://apnews.com/article/international-news-oxford-coronavirus-pandemic-883e783962dc562a99864b4b63de9897>

7 “The university said that it discussed the problem with regulators, and agreed to complete the late stage trial with two groups.”

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02:10:23		Jon Cohen on Camera: Well, the paper, the paper itself, Adrian, says there was a miscalculation. So I think-
02:10:27		Dr. Adrian Hill on Camera: There was no ... No, it absolutely does not say there was a miscalculation. ⁷⁰ There was no miscalculation. There was no error.
02:10:33		Jon Cohen on Camera: Adrian.
02:10:34		Dr. Adrian Hill on Camera: Why-
02:10:34		Jon Cohen on Camera: I have to hold you accountable for a second.
02:10:36		Dr. Adrian Hill on Camera: Yeah.
02:10:36		Jon Cohen on Camera: You guys have been difficult. You haven't been transparent. The company doesn't let you speak. The company doesn't speak. The Italian company sends me cryptic messages. Nobody wants to, like, honestly say, "Here's what happened."
02:10:50		Dr. Adrian Hill on Camera: I would argue that is there in the paper, and we wrote it down and-
02:10:53		Jon Cohen on Camera: It's a different, it's a different study.
02:10:56		Dr. Adrian Hill on Camera: No, it's not. No, it's not.
02:10:56		Jon Cohen VO: And to blend, and to blend them-
02:10:59		Dr. Adrian Hill on Camera: No, no.

⁷⁰ [https://www.thelancet.com/journals/lancet/article/PIIS0140-6736\(20\)32661-1/fulltext](https://www.thelancet.com/journals/lancet/article/PIIS0140-6736(20)32661-1/fulltext) “Initial dosing in COV002 was with a batch manufactured at a contract manufacturing organisation using chromatographic purification. During quality control of this second batch, differences were observed between the quantification methods (spectrophotometry and quantitative PCR [qPCR]) prioritised by different manufacturing sites.”

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02:11:00		Jon Cohen on Camera: ... it's not, it's not kosher. <i>(laughs)</i>
02:11:02		Dr. Adrian Hill on Camera: No, no, no, no. We don't care whether it's kosher or not. We don't follow that. Uh, look, it's simply what we thought was sensible and reasonable, and we proposed to regulators, and they said, "Yep, that sounds fine." ⁷¹
02:11:15		Jon Cohen on Camera: All right. I think, I think you were ... I'm going to tell you my opinion. I think you were naïve to not anticipate criticism for doing that, because it's far afield from what the standards are elsewhere.
02:11:26		Dr. Adrian Hill on Camera: We make no apology for doing multiple different groups for safety, immunogenicity, and efficacy in a pandemic. And if there's a different pandemic next year, we will do the same thing.
02:11:36		Jon Cohen on Camera: Okay. We don't need to argue about it. I'm just telling you why that criticism exists.
02:11:41		Dr. Adrian Hill on Camera: Yeah, you know, okay. And, and I'm telling you we're-- I'm telling you we're not contrite and we would do the same again.
02:11:46		Jon Cohen on Camera: <i>(laughs)</i>
02:11:47		Dr. Adrian Hill VO: Seriously.
02:11:50		Seth Berkley on Camera: The AstraZeneca is a good vaccine. WHO is now finishing the prequalification for that product. In fact, we plan to roll out about 350 million

⁷¹<https://apnews.com/article/international-news-oxford-coronavirus-pandemic-883e783962dc562a99864b4b63de9897> “Oxford University said some of the vials used in the trial didn’t have the right concentration of vaccine so some volunteers got a half dose. The university said that it discussed the problem with regulators, and agreed to complete the late stage trial with two groups.”

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		doses of that vaccine in the first half of the year.
02:12:04		Boris Johnson on Camera: The center where I'm getting jabbed is currently using the Oxford AstraZeneca vaccine for those receiving their first dose, and that is the one I'll be having. ⁷² It's so important that we all get our jabs when asked to do so.
02:12:18		Member of the Press VO: Relieved to be getting your jab, Prime Minister? <i>(music begins)</i>
02:12:29	Card: <i>February 2021</i> <i>2,200,000 dead worldwide</i> <i>(animation from December 2020)</i>	
02:12:39		Jon Cohen on Camera: You lock it? Okay, good.
02:12:42		Esther Cohen on Camera: Okay, it's locked.
02:12:43		Jon Cohen on Camera: C'mere. All right. Okay.
02:12:50		Esther Cohen on Camera: I can't see.
02:12:51		Jon Cohen on Camera: It gets foggy.
02:12:52		Esther Cohen on Camera: I took my glasses off because it's so foggy.
02:12:54		Jon Cohen on Camera: Yeah. Now, where'd I put my glasses? Oh, I got them in my pocket. I'm like you, I'm like an old person. I can't find anything.
02:13:02		Esther Cohen on Camera: <i>(Laughs)</i>

⁷² <https://www.cnn.com/2021/03/19/astrazeneca-britains-boris-johnson-urges-others-to-get-covid-vaccine.html>

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02:13:09		Healthcare Worker on Camera: One, two, three.
02:13:17		Esther Cohen on Camera: You did it? I didn't even feel it.
02:13:19		Jon Cohen on Camera: There you go. <i>(music ends)</i>
02:13:23		President Biden on Camera: We're now on track to have enough vaccine supply for all Americans by the end of July.
02:13:29		Trump Voter on Camera: I don't trust the vaccine.
02:13:31		Trump Voter on Camera: I'm not getting the vaccine because I'm honestly not scared of the virus.
02:13:34		News Reporter VO: A new poll finds nearly half of Trump voters do not plan to get the vaccine. ⁷³
02:13:39		News Reporter on Camera: What if Trump came out and said, "Please, please take this vaccine?"
02:13:42		Trump Voter on Camera: No. I don't believe he'll take it.
02:13:45		News Reporter (Takuya Katsumura) VO: Vaccine hesitancy is a global phenomenon. Skepticism is on the rise in some Asian countries. ⁷⁴
02:13:50		President Biden on Camera: Vaccines are safe. Please, for yourself, your family, this community, this country, take the vaccine

⁷³ “Polls show nearly half of people who voted for former President Donald Trump in November say that if they are offered a vaccine for COVID-19, they won't get it.”
<https://www.npr.org/2021/03/19/978407316/how-do-you-reach-trump-voters-who-say-they-dont-want-the-vaccine-tr-y-doctors>

⁷⁴ <https://www.washingtonpost.com/opinions/2021/05/04/why-is-japan-failing-so-badly-vaccinations/>

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		when it's your turn and available. That's how to beat this pandemic.
02:14:09	Lower Third: <i>Dr. Moncef Slaoui</i> <i>Chief Scientific Advisor</i> <i>Operation Warp Speed</i>	Jon Cohen on Camera: Dr. Slaoui, thank you so much for, uh, agreeing to do this. You started on May 15th, technically. ⁷⁵ Did you ever meet one-on-one with Donald Trump and have a conversation with him?
02:14:22		Dr. Moncef Slaoui on Camera: Uh, we met many times, but never one-on-one.
02:14:24		Jon Cohen on Camera: Can you remember anything that was said at any of those that s- sticks in your mind?
02:14:31		Dr. Moncef Slaoui on Camera: I can.
02:14:32		Jon Cohen on Camera: <i>(laughs)</i> Tell me.
02:14:36		Dr. Moncef Slaoui on Camera: <i>(laughs)</i> We were in the Oval Office. Happened twice. Twice. And he would at some moment do this, "It's oval here, this is the Oval Office. I'm the president."
02:14:50		Jon Cohen on Camera: He would just say that out of the blue?
02:14:52		Dr. Moncef Slaoui on Camera: Out of the blue. I swear. And that, honestly, the first time, I was like, "Oh my god."
02:14:55		Jon Cohen on Camera: Did he ever confront you and say, "You're a democrat. You didn't vote for me. Are you, are you working behind my back?" He never got in your face?
02:15:05		Dr. Moncef Slaoui on Camera: Absolutely not. And, and frankly, Jon, my preference is even after the fact not to politicize this. I worked so hard to stay out of any politics.

⁷⁵ <https://www.politico.com/news/2020/05/15/trump-coronavirus-vaccine-development-team-260678>

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02:15:17		Jon Cohen on Camera: You have a sense that you accomplished what you set out to do?
02:15:21		Dr. Moncef Slaoui on Camera: Honestly, yesterday I was surprised. I got an email saying, "As of tomorrow, you cannot use the Operation Warp Speed anymore." I, I told myself, "Why? What's the added value?" Because in a way, everybody that worked under Operation Warp Speed feels like, "What did we do wrong?"
02:15:41		Jon Cohen on Camera: Yeah.
02:15:42		Dr. Moncef Slaoui on Camera: Why? And I'm not, I'm not married to that name. Frankly, I don't care, honestly. I, I feel, I feel so fortunate and happy to have served and helped. That's all that counts. I say two vaccines approved by all standards: this is absolutely exceptional. Absolutely exceptional.
02:16:06		Dr. Moncef Slaoui on Camera: And I think it was done uniquely on the basis of science, of data, of commitment to hard work and transparency. This is all has been achieved between May and now. We are not done.
02:16:19		Jon Cohen on Camera: Yeah.
02:16:19		Dr. Moncef Slaoui on Camera: There is still a lot to be done.
02:16:20		Jon Cohen on Camera: Do you think that Trump's failure to concede and refusal to concede made it for difficult to transition the information to the next team?
02:16:30		Dr. Moncef Slaoui on Camera: For sure. Very, at least, unfortunate. Would be a polite word.
02:16:36		Jon Cohen on Camera: Yeah.

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02:16:37		Dr. Moncef Slaoui on Camera: You know, I look forward ... I, I, you know, I'm super happy to be back. I will redo it in an eye, you know, in a blink. Please, next pandemic virus, please do not come during an election year.
02:16:54	Location ID Text: <i>Boston, Massachusetts</i>	Dr. Dan Barouch on Camera: It's the number one story on CNN right now. Breaking news. There's an article in The Boston Globe now, Chloe. It, it really is the ... It, it really is the number one news story in every single, every single news organization in, in the world now.
02:17:12		Dr. Dan Barouch VO: J&J trial shows 66% efficacy in global trial, 85% efficacy in severe disease, and 100% efficacy against hospitalization and death. ⁷⁶ So it's an incredible day. It's an amazing day today.
02:17:27		Dr. Dan Barouch on Camera: Hello. Good morning, everyone.
02:17:29		Barouch Lab Members VO: Hi, Dan. Good morning, Dan.
02:17:33		Dr. Dan Barouch on Camera: It's really been a privilege working with all of you over the last year. Many of you worked on this project in different forms and it's not often that I have the privilege of telling you guys in a lab meeting that our vaccine worked. And it's, it's really amazing. It's a good day. It's a good day for the world. <i>(music begins)</i>
02:18:07		News Reporter VO: The US could approve a third coronavirus vaccine soon.

⁷⁶<https://www.statnews.com/2021/02/24/new-data-shed-light-on-efficacy-of-jjs-single-dose-vaccine-against-covid-19/>

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02:18:11		News Reporter VO: Johnson & Johnson asking the FDA to authorize its one dose shot for emergency use.
02:18:17		News Reporter VO: This is an incredibly stable vaccine to use, especially in developing countries where freezers, frankly, are just not practical. ⁷⁷
02:18:24		News Reporter VO: ... with intents to distribute the vaccine immediately following authorization and expects to supply 100 million doses to the US in the first half of 2021. ⁷⁸ <i>(music ends)</i>
02:18:50	Location ID Text: <i>Pittsburgh, Pennsylvania</i>	Rev. Paul Abernathy on Camera: All right, so today and tomorrow are going to be two extremely busy days. The health department, as I'm told, had 2,000 extra doses of vaccine, and they cannot get any new vaccine until they get rid of these 2,000.
02:19:07		Rev. Paul Abernathy on Camera: So as many of you know, we received this emergency phone call saying that there's going to be this pop-up vaccination clinic, at which point we get 1,000 people vaccinated in our community, another 1,000 in Homewood.
02:19:20		Rev. Paul Abernathy on Camera: They said, "We need a gym. Get us a big gym to do, to do this in." Of course, we don't have that in our community. What we do have is an abandoned grocery store that shut down on us.
02:19:31		Rev. Paul Abernathy on Camera: We have right now over 600. Right, Angela? Over

⁷⁷<https://www.jnj.com/johnson-johnson-covid-19-vaccine-authorized-by-u-s-fda-for-emergency-usefirst-single-shot-vaccine-in-fight-against-global-pandemic> “The vaccine is estimated to remain stable for two years at -4°F (-20°C), and a maximum of three months at routine refrigeration at temperatures of 36-46°F (2 to 8°C).”

⁷⁸ Ibid. “100 million doses in first half of 2021.”

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		600 names of people who had signed up. We have to try and get to 1,000 names today because the, the, the vaccination will happen tomorrow. Sound good?
02:19:45		Congregants on Camera: Yeah.
02:19:47		Rev. Paul Abernathy on Camera: All right. Let's go to work.
02:19:51		Automated Voice on Phone: Your call has been forwarded to an automated voice messaging system.
02:19:54		Mrs. Allen on Phone: Hello?
02:19:55		Volunteer on Camera: Hi. Good morning. Is this Mrs. Allen?
02:19:58		Volunteer on Camera: All right, and I'm just calling to make sure that you, there's going to give you a, give you a slot for you to come down to Shop 'n Save tomorrow.
02:20:06		Community Member on Phone: Are you calling to give me a date to get my shot?
02:20:08		Volunteer on Camera: Yes, I am.
02:20:10		Community Member on Phone: I'm just so relieved because it seemed like it was going to be months.
02:20:13		Volunteer on Camera: Are you still interested in receiving the vaccine, ma'am?
02:20:16		Mrs. Allen on Phone: My husband and I, both.
02:20:18		Volunteer on Camera: Let me go ahead and put you in there.
02:20:20		Rev. Paul Abernathy on Camera: Angela, how many, how many do we have, uh, at this particular moment.

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02:20:25		Angela on Camera: 804.
02:20:26		Rev. Paul Abernathy on Camera: 804?
02:20:27		Angela on Camera: Yes.
02:20:27		Rev. Paul Abernathy on Camera: This is wonderful. Thank you so much.
02:20:29		Angela on Camera: Yeah, you're welcome.
02:20:30		Rev. Paul Abernathy on Camera: Microchips?
02:20:31		Congregant on Camera: That's what he said.
02:20:32		Rev. Paul Abernathy on Camera: There's no microchips in there.
02:20:33		Congregant on Camera: I told him that. Conspiracy theory.
02:20:33		Rev. Paul Abernathy on Camera: What, what is it? Lay's, Doritos? What is it?
02:20:35		Congregant on Camera: <i>(laughs)</i>
02:20:37		Rev. Paul Abernathy on Camera: You know, that's that, uh, QAnon stuff. We're not into that.
02:20:40		Congregant on Camera: No.
02:20:42		Rev. Paul Abernathy on Camera: Can, can I, can I, can I get you can I get you an answer from the Bible on this?
02:20:45		Congregant on Camera: Mm-hmm (affirmative)
02:20:46		Rev. Paul Abernathy on Camera: This is what it says, "Honor the physician with the honor due him, and also according to your need of him, for the Lord created him."

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02:20:59		Community Health Deputy on Camera: Hi. We wanted to know if you're interested in getting, uh, Covid, uh, vaccine?
02:21:04		Community Member on Camera: Huh?
02:21:05		Community Health Deputy on Camera: For the 65 and over?
02:21:06		Rev. Paul Abernathy VO: We can sign you up right here.
02:21:08		Community Member on Camera: I know. (laughs) But no thank you. Not this time.
02:21:11		Community Health Deputy on Camera: You're not interested?
02:21:12		Community Member on Camera: No.
02:21:13		Rev. Paul Abernathy on Camera: The Lord created medicines from the Earth and a sensible man will not loathe them.
02:21:19		Congregant VO: That's right.
02:21:21		Rev. Paul Abernathy VO: The druggist making a compound of them. God's works are never finished.
02:21:27		Rev. Paul Abernathy on Camera: How about this? What if we... What if we signed you up and then someone could call you and then see if... if a time worked for you? Does that sound good?
02:21:34		Community Member on Camera: Sounds all right to me.
02:21:35		Rev. Paul Abernathy on Camera: All right.
02:21:37		Rev. Paul Abernathy VO: My son do not be negligent when you are sick but pray to the Lord and He will heal you. Keep in touch with your physician! For the Lord created him.

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02:21:54		<p>Volunteer on Camera: All the shots are accounted for. They are ecstatic that we found over a thousand people in less than 24 hours. Uh, so they're setting up right now. There are two police that are here on station. They'll be both in and out, just to make sure everything is copasetic, I assume. So, we're ready to rock and roll.</p> <p><i>(music begins)</i></p>
02:22:12		<p>Rev. Paul Abernathy VO: Sir, how you're doing? It's so good to see you! Yeah! Miss Diane. Thank you. Hey, Rev. How you doing? It's so good to see you.</p>
02:22:25		<p>Volunteer on Camera: You're at clinical review 10. We don't have that quite yet.</p>
02:22:28		<p>Healthcare Worker on Camera: Ah.</p>
02:22:28		<p>Volunteer on Camera: So, you're hanging out with David till we tell you what else you're doing.</p>
02:22:30		<p>Healthcare Worker on Camera: I can do that.</p>
02:22:31		<p>Volunteer on Camera: All right.</p>
02:22:32		<p>Rev. Paul Abernathy on Camera: If they don't have an appointment, find the yellow vest.</p>
02:22:34		<p>Volunteer on Camera: Okay.</p>
02:22:35		<p>Rev. Paul Abernathy on Camera: 'Cause we got to diffuse the situation.</p>
02:22:37		<p>Volunteer on Camera: The older adults will probably laugh at you when you ask them if they're going to be pregnant. You have to ask everybody. Don't make assumptions.</p>
02:22:50		<p>Volunteer on Camera: You've got an appointment right?</p>

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02:22:51		Community Member on Camera: Yes.
02:22:54		Rev. Paul Abernathy on Camera: Good morning everyone.
02:22:55		Volunteer on Camera: Good morning sir. How are you doing?
02:22:57		Rev. Paul Abernathy on Camera: Happy vaccine day to you one and all.
02:23:43	Card: <i>April 2021</i> <i>3,090,000 dead worldwide</i> <i>(animation from February 2021)</i>	<i>(music ends)</i>
02:23:51		News Reporter VO: Life is slowly returning to normal as more people around the world are receiving their Covid 19 vaccine.
02:23:58		News Archival VO: Restrictions are now lifted for social and recreational areas and businesses will no longer have to follow social distancing rules or limit how many people they can allow inside. ⁷⁹
02:24:11		President Joe Biden on Camera: On July 4th, we're going to celebrate our independence from the virus as we celebrate our independence of our nation.
02:24:19		News Reporter VO: Americans are embracing pre-pandemic life, even though the Delta variant poses a great threat to the unvaccinated.
02:24:32	Location ID Text: <i>Scripps Research</i> <i>La Jolla, CA</i>	Scripps Researcher on Camera: I mean it's stuff like that. I don't think-
02:24:34		Kristian Andersen on Camera: Uh, have you seen the variant report from the UK? Yes.

⁷⁹ <https://www.natlawreview.com/article/covid-19-us-state-policy-report-april-14-15-2021>

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		All of that. All of that in the UK. And then, hang on, South Africa down there.
02:24:44	Lower Third: <i>Dr. Kristian Andersen</i> <i>Scripps Research</i> ⁸⁰	Kristian Andersen on Camera: What we're seeing now is the emergence of new variants. Some are more transmissible and maybe even have slightly increased mortality. That's obviously very, very concerning.
02:24:55		Kristian Andersen on Camera: Others might be more to do with their ability to evade immunity which we have seen with some of the vaccines now. ⁸¹ That... That's of course very worrisome.
02:25:04		Kristian Andersen on Camera: Why are we seeing them now and not... I mean we're looking more now but and we've had more cases but there's also just more time that has lapsed.
02:25:12		Scripps Researcher on Camera: Well and there's like more immune pressure, right? In the population. ⁸²
02:25:16		Kristian Andersen on Camera: Well, that's the question.
02:25:17		Kristian Andersen on Camera: This is clearly a bigger threat than what was before it. This is one of the biggest warning signs of the entire pandemic. <i>(music begins)</i>
02:25:30	GFX: <i>Sea of viruses changing spike colors</i>	Kristian Anderson on Camera: The virus is changing all the time, right? I mean, that's what viruses do. Viruses mutate and sometimes they end up being more

⁸⁰ <https://www.scripps.edu/faculty/andersen/>

⁸¹ <https://www.fiercebiotech.com/biotech/novavax-shares-red-after-vaccine-sees-51-efficacy-against-south-african-co-vid-variant>

⁸² <https://www.mpg.de/16371358/coronavirus-variants>

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		transmissible. Those are the ones that are going to end up dominating.
02:25:50	GFX: <i>Teal map of the world lighting up red</i>	Kristian Anderson VO: You have a lot of vaccinations, but you have clusters in which the virus will continue to circulate because the vaccination is low. That means that the virus gets a chance all the time to sort of breakthrough in the population where they are vaccinated because the virus keeps circulating.
02:26:12		Kristian Anderson VO: If we just let the virus run out in the community, it is going to evade more vaccines in the future. That is exactly what we are seeing in India right now with the Delta variant. ⁸³ It's capable of evading some level of immunity ⁸⁴ and it's spreading across the world pretty quickly.
02:26:35		Dr. Tedros Adhanom Ghebreyesus on Camera: The inequitable distribution of vaccines has allowed the virus to continue spreading increasing the chances of a variant emerging that renders vaccines less effective.
02:26:48		Kristian Anderson VO: We are going to be in a situation in which new variants will emerge in areas of the world where vaccine coverage is much lower because they don't have access to the vaccine. In South Africa, that's what we're seeing right now.
02:27:04		Kristian Anderson VO: We need to get very serious about saying, how do we get the vaccines to Africa? A concerted effort to really get worldwide control of the pandemic is what our goal should be and I'm not sure that it is right now.

⁸³ <https://www.washingtonpost.com/world/2021/07/02/coronavirus-latest-updates/>

⁸⁴ <https://www.news-medical.net/news/20211011/Delta-variant-exhibits-immune-evasion-enhanced-cell-entry-and-augmented-syncytium-formation.aspx>

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02:27:21		News Archival VO: South Africa is the world's fifth worst affected country. ⁸⁵
02:27:25		News Reporter VO: South African hospitals are overwhelmed, mortuaries overcrowded and burial plots in short supply.
02:27:32	Lower Third: <i>Dr. Glenda Gray</i> <i>Chief Executive Officer⁸⁶</i> <i>South African Medical Research Council</i>	Dr. Glenda Gray on Camera: So, we are very worried. This is a second wave and a wave that's been fueled by this new variant. The new variant seems to be much more infectious and obviously, um, the more the virus evolves, um, the more we have to evaluate whether it is impacting on vaccine efficacy. <i>(music ends)</i>
02:27:54		Dr. Glenda Gray on Camera: You know Janette died from Covid. You know our HR person?
02:27:58		Jackline Jodhiamb on Camera: Really?
02:27:58		Dr. Glenda Gray on Camera: At, at yeah. So... yeah.
02:28:00		Jackline Jodhiamb on Camera: Really?
02:28:01		Dr. Glenda Gray on Camera: Yeah. I think this morning. 'Cause she's been in ICU for three weeks. Yeah.
02:28:05		Jackline Jodhiamb on Camera: Really?
02:28:06		Dr. Glenda Gray on Camera: It's horrible.
02:28:07		Jackline Jodhiamb on Camera: It is.
02:28:08		Dr. Glenda Gray: I know.
02:28:13		Dr. Glenda Gray VO: We're in big trouble. Our healthcare workers are dying. We can't

⁸⁵ <https://www.aa.com.tr/en/africa/safrica-bears-5th-largest-covid-19-global-case-load/1915897>

⁸⁶ <https://www.samrc.ac.za/about-us/our-president>

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		let them go back into a third wave without a, a vaccine.
02:28:21		Dr. Glenda Gray VO: Our president worked with the Serum Institute of India to secure doses of AstraZeneca and thank God, that vaccine started to make its way into South Africa. ⁸⁷ <i>(music begins)</i>
02:28:39	Lower Third: <i>President Cyril Ramaphosa South Africa</i>	President Cyril Ramaphosa on Camera: The arrival of these vaccines contains the promise that we can turn the tide on this disease that has caused so much devastation and hardship in our country and across the world.
02:29:02		Dr. Glenda Gray VO: The weekend the vaccine is arriving, my colleague's analyzing his data and he's getting more and more catatonic. He kept on saying to me, "Glenda, I'm worried about the vaccine efficacy for AstraZeneca against our South African variant. It's not going to work." ⁸⁸
02:29:25		Dr. Glenda Gray VO: The only plan B I knew about was the vaccine from J&J. We knew it worked against our variant. I have a long-standing relationship with J&J. We're working on an HIV vaccine together.
02:29:40		Dr. Glenda Gray VO: So we're working in a kind of gray zone yeah. I've emailed, I've asked them if they've got some spare vaccine lying around. We have to vaccinate healthcare workers in South Africa, can you help us? And they agree.
02:29:56		Dr. Glenda Gray VO: Had a whole lot of research vials all over the world. So they

⁸⁷<https://apnews.com/article/africa-south-africa-coronavirus-pandemic-coronavirus-vaccine-22f3d4d4a9364ddd4c07b87f4d5294f8>

⁸⁸<https://www.reuters.com/article/us-health-coronavirus-safrica-astrazenec/south-africa-wants-to-return-1-million-astrazeneca-vaccine-doses-to-serum-institute-report-idUSKBN2AG08P>

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		started to do an inventory and they found half a million doses. ⁸⁹
02:30:28		Dr. Glenda Gray on Camera: <i>(laughing)</i> I can't believe it; we've pulled it off.
02:30:35		Dr. Glenda Gray on Camera: Vaccination site. Oh, that's cool.
02:30:38		Jackline Jodhiamb on Camera: Yeah. What does that say?
02:30:39		Dr. Glenda Gray: The country's euphoric. We can vaccinate almost half of the healthcare workers.
02:30:46		<i>(healthcare workers talking)</i>
02:31:06		Dr. Glenda Gray on Camera: Ian's just phoned me and says that there's a riot. They've had to call in the police at Bara and we're worried that we're going to run out of, uh, vaccines there.
02:31:13		Colleague on Phone: I can imagine.
02:31:17		Jackline Jodhiamb VO: There's not even. It's like crowded. Look. No one is trying to queue.
02:31:21		Dr. Glenda Gray VO: Jeez.
02:31:22		Jackline Jodhiamb VO: Like police everywhere.
02:31:25		Glenda Gray VO: It's insane. We know we only have a limited amount of doses left.
02:31:49		<i>(music ends)</i>
02:31:51		Glenda Gray VO: In South Africa, we're in this pandemic for three years or more.

⁸⁹<https://www.reuters.com/article/us-health-coronavirus-safrica-johnson-jo/south-africa-aims-to-immunise-500000-health-workers-in-jj-study-scientist-says-idUSKBN2AA2EM>

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02:31:55		Jon Cohen on Camera: Yeah.
02:31:56		Glenda Gray VO: We are fucked. We are fucked.
02:31:59		Jon Cohen on Camera: Why? Why are you ... Why is it so bleak?
02:32:02		Glenda Gray VO: We underestimated the virus. COVID-19 is actually now the leading cause of death in South Africa over HIV and TB. ⁹⁰
02:32:10		Jon Cohen on Camera: Really? Really? Wow. Wow. That's sobering.
02:32:14		Glenda Gray VO: There is a logistical nightmare to roll it out, to get 67% of the population vaccinated.
02:32:21		Jon Cohen on Camera: Even if you have supply, even if you have vaccine?
02:32:24		Glenda Gray VO: I don't think it's going to be an issue of demand. It's always going to be an issue of supply. <i>(music starts)</i>
02:32:35	Location ID Text: <i>SCIENCE MAGAZINE</i>	
02:32:42		Jon Cohen on Camera: I am fully immunized.
02:32:43		Luciana Borio on Camera: Great. And so am I.
02:32:46		Jon Cohen VO: What are we doing? Is it hoarding? Is it fair to call it hoarding?
02:32:49		Luciana Borio on Camera:

⁹⁰http://www.fides.org/en/news/70652-AFRICA_SOUTH_AFRICA_Research_data_indicates_deaths_from_Covid_19_are_more_than_double_the_official_count_in_South_Africa

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		It's disgraceful that healthcare workers globally do not have access to safe and effective vaccines.
02:32:54	Lower Third: <i>Dr. Luciana Borio</i> <i>Scientific Advisor</i> <i>Biden Transition Team</i>	
02:32:55		Luciana Borio on Camera: And that really represents a collective failure. You know, another example of complacency that occurred between the last crisis and this one. It's like a no-win situation.
02:33:05		Luciana Borio on Camera: Because if you state that you're going to donate proportion of the U.S. supply, you're going to make a lot of people unhappy. And a lot of people that expect, will expect more as well and say, "That's not enough."
02:33:17		Jon Cohen VO: Let's just switch to the COVAX facility.
02:33:20		Nicole Lurie VO: The goal is two billion doses by the end of the year. ⁹¹
02:33:25	Lower Third: <i>Dr. Nicole Lurie</i> <i>US Director</i> <i>Coalition for Epidemic</i> <i>Preparedness Innovations</i>	
02:33:26		Nicole Lurie on Camera: There has been the generosity in the part of many countries to providing money. But nowhere near enough. A lot of countries that had the money jumped in the queue

⁹¹<https://www.who.int/news/item/27-05-2021-covax-joint-statement-call-to-action-to-equip-covax-to-deliver-2-billion-doses-in-2021>

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		and placed orders for vaccines with all of these companies.
02:33:35		Nicole Lurie on Camera: That undercuts COVAX, because the idea is global equitable allocation. And so that's been a real frustration that they haven't been able to get access to vaccines yet when other countries have. ⁹²
02:33:48		Jon Cohen VO: Why not give the vaccines to COVAX now?
02:33:51	Lower Third: <i>Dr. David Kessler Covid-19 Response Leader Biden Administration⁹³</i>	David Kessler on Camera: Those decisions are being assessed, and being assessed every day.
02:33:57		Jon Cohen VO: Are you lobbying for that? Do you believe in that?
02:34:00		David Kessler on Camera: I believe in making sure that we have as much vaccine to get Americans vaccinated, and get the world vaccinated-
02:34:09		Jon Cohen on Camera: But there's a push right now, David. There are doctors and nurses dying. And we have covered our doctors and nurses in this country. If they want a vaccine-
02:34:16		David Kessler on Camera: Well, I mean-
02:34:17		Jon Cohen on Camera: ... they can have a vaccine.
02:34:18		David Kessler on Camera: Well, I want to get to the point where we're making vaccine in this country for the world. That is a goal.

⁹² <https://www.nytimes.com/interactive/2021/03/31/world/global-vaccine-supply-inequity.html>

⁹³ <https://www.statnews.com/2021/01/15/david-kessler-help-lead-operation-warp-speed-for-biden/>

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02:34:26		Jon Cohen VO: Because right now it's India that is making vaccine for the world.
02:34:29		David Kessler on Camera: Right. Well, we're ... And what did India do today?
02:34:32		Jon Cohen VO: They blocked exports. ⁹⁴
02:34:33		David Kessler on Camera: Right.
02:34:34		Jon Cohen VO: You must be pulling your hair out about India. Are you going to have trouble hitting your target for COVAX numbers?
02:34:39	Lower Third: <i>Dr. Seth Berkley COVAX Facility</i>	Seth Berkley on Camera: It's likely now that we will. Everybody says they want vaccine equity. But not everybody's acting like they want vaccine equity. The Serum Institute of India did a deal with us, I have to say in good faith.
02:34:54		Seth Berkley on Camera: Unfortunately that's been superseded by government controls. So that has broken down completely.
02:35:19	Location ID Text: <i>Serum Institute Pune, India</i>	
02:35:26		News Reporter VO: As India continues its devastating battle against a raging outbreak, the country's Prime Minister has temporarily banned exports of COVID-19 vaccines, so that all doses can be used in country. ⁹⁵
02:36:06		<i>(music ends)</i>

⁹⁴ <https://www.nytimes.com/2021/03/25/world/asia/india-covid-vaccine-astrazeneca.html>

⁹⁵ <https://www.bbc.com/news/world-asia-india-56513371>

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02:36:26	Lower Third: <i>Adar Poonawalla</i> <i>Chief Executive Officer</i> <i>Serum Institute of India</i>	
02:36:30		Jon Cohen VO: Thank you so much.
02:36:31		Adar Poonawalla VO: Nice to meet you.
02:36:31		Jon Cohen on Camera: Thank you for having me.
02:36:32		Adar Poonawalla on Camera: Yes.
02:36:32		Jon Cohen on Camera: It's very kind of you.
02:36:33		Adar Poonawalla on Camera: Okay. There we go.
02:36:35		Jon Cohen on Camera: Are you comfortable with me taking my mask off?
02:36:37		Adar Poonawalla on Camera: Please do.
02:36:37		Jon Cohen on Camera: Okay.
02:36:37		Adar Poonawalla on Camera: Please do.
02:36:38		Jon Cohen on Camera: Thank you.
02:36:39		Adar Poonawalla on Camera: Go ahead.
02:36:40		Jon Cohen VO: The government of India said it's a short delay. It's not an export ban. Do you agree with this decision? Or are you being forced to make this decision?
02:36:48		Adar Poonawalla on Camera:

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		These decisions have been made by the government of India, which have been rightly made. And I support those decisions based on the need in India.
02:37:01		Adar Poonawalla on Camera: See, their perspective is that, look, we want to help the world. We are helping the world. But we need to protect our people first.
02:37:09		Jon Cohen VO: The government isn't taking over the company?
02:37:11		Adar Poonawalla on Camera: Not as yet, because I have agreed to what they want to do.
02:37:25		Jon Cohen VO: <i>(laughs)</i> If you disagree?
02:37:16		Adar Poonawalla on Camera: If I disagree, I will be nationalized. And we don't want to do that.
02:37:20		Jon Cohen VO: Really?
02:37:20		Adar Poonawalla on Camera: Even they don't want to do it.
02:37:21		Jon Cohen VO: They could do that?
02:37:22		Adar Poonawalla on Camera: I don't think they want to. I'm just joking, but-
02:37:25		Jon Cohen VO: Well, are there government people here making sure that you're not exporting stuff to the places that-
02:37:31		Adar Poonawalla on Camera: I won't comment on that. I really can't. But let's leave it at that.

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02:37:37		Jon Cohen VO: But the goal of 274 million doses from COVAX by the end of May-
02:37:43		Adar Poonawalla on Camera: That's not going to happen. No. Without me, essentially COVAX would fail. We have signed contracts of 240 million doses for the AstraZeneca product with COVAX. ⁹⁶
02:37:53		Adar Poonawalla on Camera: And we're in the process of signing more contracts. But of course, national interest always supersedes all contractual obligations. What we have to do is in the interest of our nation and the world.
02:38:09		Adar Poonawalla on Camera: And right now our nation needs us. And I don't want that to be the situation I want and I plead with other vaccine manufacturers to provide more doses to COVAX, so that the pressure from me is off.
02:38:22		Jon Cohen on Camera: So what should Pfizer-
02:38:23		Adar Poonawalla VO: Short and simple.
02:38:23		Jon Cohen on Camera: What should Pfizer and Modern have folded?
02:38:25		Adar Poonawalla on Camera: Sacrifice profits. They are for profit. I am for profit and philanthropy.
02:38:30		Adar Poonawalla on Camera: And that is the distinct difference between Serum Institute of India and every other

⁹⁶<https://www.reuters.com/business/healthcare-pharmaceuticals/indias-serum-could-export-20-30-mln-vaccine-doses-month-covax-says-ceo-2021-10-21/>

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		vaccine company on this planet. ⁹⁷ That's in a nutshell. <i>(music starts)</i>
02:38:43	Card: <i>October 2021 5,000,000 dead worldwide (animation from April 2021)</i>	
02:38:49		News Reporter VO: The public sector has invested billions in development of vaccine candidates. But it's the private sector that will rake in the cash.
02:38:56		News Reporter VO: This will be one of the biggest profit possibilities in literally a generation for these companies. ⁹⁸
02:39:04		Tedros Adhanom Ghebreyesus on Camera: Even as vaccines bring hope to some, they become another brick in the wall of inequality between the world's haves, and have-nots.
02:39:17		News Reporter VO: Pfizer is forecasting \$15 billion in revenue from its COVID vaccine. ⁹⁹
02:39:22		News Reporter VO: Moderna created three new billionaires this year. CEO Stéphane Bancel, he is now worth over \$4 billion. ¹⁰⁰
02:39:29		Tedros Adhanom Ghebreyesus VO: Those who have vaccines are getting better significantly, and they're opening up their

⁹⁷ https://www.seruminstitute.com/about_us.php (SII has a philanthropic arm. The other major vaccine companies are all for-profit companies.)

⁹⁸ <https://qz.com/1967638/pfizer-will-make-15-billion-from-covid-19-vaccine-sales/>

⁹⁹ <https://investors.pfizer.com/investor-news/press-release-details/2021/PFIZER-REPORTS-FOURTH-QUARTER-AND-FULL-YEAR-2020-RESULTS-AND-RELEASES-5-YEAR-PIPELINE-METRICS/default.aspx>

¹⁰⁰ <https://www.oxfam.org/en/press-releases/covid-vaccines-create-9-new-billionaires-combined-wealth-greater-cost-vaccinating>

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		society. Those who don't have vaccines are facing serious surges in cases and deaths due to COVID.
02:39:49		News Reporter (Viva Van Loock) VO: Companies are rejecting requests by manufacturers in developing countries to share the recipes and know-how, so that they can solve the severe shortages. ¹⁰¹
02:40:00		Zain Rizvi VO: The fact that the vaccine recipe is a secret, even as we are facing unprecedented vaccine shortages, is a moral stain.
02:40:08		Tedros Adhanom Ghebreyesus VO: The differences between the haves and the have-nots is now completely exposing the unfairness of our world.
02:40:17		Kate Elder VO: There have been unprecedented statements said by corporations in terms of access. But when you really boil it down, it's actually still business as usual.
02:40:31		Tedros Adhanom Ghebreyesus on Screen: The injustice, the inequality. Just give us the vaccines.
02:40:50	Location ID Text: <i>Geneva, Switzerland</i>	<i>(music stops)</i>
02:41:01		Jon Cohen on Camera: Dr. Tedros. Thank you so much for taking the time to-
02:41:05		Tedros Adhanom Ghebreyesus on Camera: Thank you.
02:41:05		Jon Cohen on Camera: ... meet with me.
02:41:06		Tedros Adhanom Ghebreyesus on Camera: Thank you. Thank you for having me.

¹⁰¹ <https://apnews.com/article/drug-companies-called-share-vaccine-info-22d92afbc3ea9ed519be007f8887bcf6>

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02:41:09		Jon Cohen VO: I want to ask you about your own vaccination.
02:41:13	Lower Third: <i>Dr. Tedros Adhanom Ghebreyesus Director-General World Health Organization</i>	
02:41:13		Jon Cohen VO: You got your first shot when?
02:41:14		Tedros Adhanom Ghebreyesus on Camera: Still, I feel like I know where I belong. In a poor country called Ethiopia. In a poor continent called Africa.
02:41:25		Tedros Adhanom Ghebreyesus on Camera: And wanted to wait until Africa and other countries in other regions, low income countries, start vaccination. So I was protesting in other words, because we're failing.
02:41:38		Tedros Adhanom Ghebreyesus on Camera: I saw global failures like HIV. And these are the things I remembered when we were confronted with COVID.
02:41:49		Jon Cohen on Camera: Why do you think it is that there's so few world leaders who are willing to say, "I'm going to be blunt and call this a catastrophic moral failure.
02:41:58		Jon Cohen on Camera: I'm going to say it is grotesque to have a gap between 12 year old being vaccinated." And you never say, "In the United States." But I can fill in the blank. I live there.
02:42:08		Jon Cohen VO: "We must do more," they say or think. But they don't call it what it is. Why not?

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02:42:16		Tedros Adhanom Ghebreyesus VO: I mean, that's the question I want an answer for actually.
02:42:19		Tedros Adhanom Ghebreyesus on Camera: Because social responsibility, just something you would expect from a decent human being. When the whole world is burning, it's about humanity.
02:42:31		Jon Cohen on Camera: I imagine you have been on the phone with leaders of vaccine companies.
02:42:35		Tedros Adhanom Ghebreyesus on Camera: I encourage them to help.
02:42:37		Jon Cohen VO: And what's the reaction?
02:42:41		Tedros Adhanom Ghebreyesus on Camera: It's the same response, the same argument. You know, it's unprecedented actually to have a number of vaccines approved in just a year.
02:42:52		Tedros Adhanom Ghebreyesus on Camera: But that still saddens me, because I know what happened in the past. And it's happening now on our watch again. And in general, this question comes, when do we learn? When? <i>(music starts)</i>
02:43:11		Tedros Adhanom Ghebreyesus VO: The development and approval of vaccines in record time took us to the summit of scientific achievement. The question that every person on earth is asking now is, "How and when will we end this pandemic?"
02:43:26		Tedros Adhanom Ghebreyesus on Camera: We have the knowledge and tools to do it, including vaccines.

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02:43:32		Tedros Adhanom Ghebreyesus on Camera: But around the world, many other countries are now facing a surge in cases. And they're facing it without vaccines.
02:43:42		Tedros Adhanom Ghebreyesus on Camera: Above all, at the root of the pandemic is a deficit of solidarity and sharing. Sharing of data, sharing of information, sharing resources, sharing technology and tools that every nation needs to keep its people safe.
02:44:00		Tedros Adhanom Ghebreyesus on Camera: We're in the race of our lives, but it's not a fair race. And most countries have barely left the starting line.
02:44:12		Tedros Adhanom Ghebreyesus VO: Jon Cohen the science journalist, is with me today. And he was telling me about tomorrow is a long time.
02:44:20		Tedros Adhanom Ghebreyesus on Camera: I think that could be a very important message to do things today, and to do things now. Tomorrow is a long time.
02:44:28		Tedros Adhanom Ghebreyesus on Camera: I think we have to do everything with that mentality. Thank you so much.
02:44:55	Card: In the largest public health rollout in human history, 4 billion people – half of Earth’s total population – were fully immunized in 2021. ¹⁰²	
02:45:07	Card: Serious side effects were extremely rare, yet concerns led a number of countries to restrict the use of	

¹⁰² <https://www.nytimes.com/interactive/2021/world/covid-vaccinations-tracker.html>

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	<p>AstraZeneca and the US to downgrade the Johnson & Johnson vaccine.¹⁰³</p> <p>But their benefits outweighed risk, and these two low-cost vaccines remained a critical part of the Covid response.</p>	
02:45:27	<p>Card:</p> <p>While rich nations finished 2021 with surplus vaccines, doses reached only 8% of people in low-income countries.¹⁰⁴</p>	
02:45:35	<p>Card:</p> <p>If global distribution had been truly equitable in the first full year of vaccine availability, experts estimate, an additional 1 million lives might have been saved.¹⁰⁵</p>	<i>(music ends)</i>
02:49:13		End.

¹⁰³<https://www.businessinsider.com/astrazeneca-covid-vaccine-countries-suspend-denmark-thailand-batch-blood-clots-2021-3>

<https://www.nbcnews.com/health/health-news/cdc-panel-recommends-people-not-get-jj-vaccine-pfizer-moderna-avilabl-rcna8987>

¹⁰⁴<https://ourworldindata.org/grapher/share-people-vaccinated-covid?country=High+income~Upper+middle+income~Lower+middle+income~Low+income>

¹⁰⁵ https://www.mobs-lab.org/uploads/6/7/8/7/6787877/global_vax.pdf Number confirmed by Dr. Alessandro Vespignani