

# The Coronavirus Conundrum

*An Interview with Dr. Stephen Bryen*

by [Jerry Gordon](#) and Rod Reuven Dovid Bryant (May 2020)



*Molecular Landscapes, Coronavirus*, David Goodsell, RCSB Protein Data Bank (2020)

As of April 27, 2020, Global COVID-19 [reports](#) revealed infected cases have risen to 3,012,389 and fatalities reached 207,885. The US had 987,322 cases and 55,415 deaths due to the coronavirus. While Israel had 15,466 cases and 202 deaths.

There are disputes as to whether the social distancing mitigation has reached the point where gradual phased releases from confinement may shortly be feasible given the drop in new cases indicating plateauing may have been achieved in the major US infected states and hot spots. Some public health experts say ending confinement may be dependent on continual testing and contact tracing. Then there is the matter of the timeline for development of promising therapies and vaccines and, yet to complete human trials. However, there are conspiracy theories of whether the release of the coronavirus was part of a nefarious plan in a bio-war effort by Chinese virology institutes engaged in studies of SARS-COV-2 from Bat and other animal studies. Or whether these coronaviruses were man-made as suggested by French Nobel laureate Luc Montagnier or arose naturally and may have been transmitted from animals in the Wuhan 'wet market' located near the Wuhan Virology Institute. There is the matter of criticism of the World Health Organization leadership to cross-check these occurrences, as well as initially going along with the XI-Chinese government initial reports that nothing was awry. Rod Reuven Dovid Bryant and Jerry Gordon brought back Dr. Stephen Bryen, a former US Department of Defense Deputy Under Secretary for Technology and Security, noted military technologist and widely published *Asia Times* columnist to address these questions.

Bryen suggested that the Hubei regional Chinese government

officials may have attempted to close off news leaking out. As evidence of the coronavirus spread, the XI regime in Beijing became mortified. That led to indications that there was no big outbreak. Their mistake, Bryen said, was that they did not properly notify the world and did not engage the US. He dismisses conspiracy theories that China was developing a bioweapon seeking domination of the world economic system. That was not in the best interests of China. The spread of the coronavirus was through Chinese commercial travelers to Italy and hence to the EU. He noted the Chinese textile and leather trades in Northern Italy. There were direct flights from Wuhan to Milan, Italy. To deal with the spread of the coronavirus, Rod Bryant indicated that China had shut down internal flights. The Wuhan Institute of Virology (WIV), Bryen contends was engaging in international research that the XI- government believed had economic potential. China is a major supplier of ingredients for antibiotics and medical treatments that resulted from globalization. India is another source of vaccines and medicines. Bryen noted the call from President Trump made to India's President Modi seeking large quantities of the controversial anti-Malaria drug hydroxychloroquine for US trials as a possible coronavirus therapy.

On April 23, 2020 the US Food and Drug Administration (US FDA) issued a warning, based on limited trials data, about the risk of heart arrhythmic problems for treatment of coronavirus cases using hydroxychloroquine. Bryen thinks this reflects the shift of vaccine production that previously had been in the US and, because of tax advantages in the Commonwealth of Puerto Rico. Scott Gottlieb, former US FDA director [issued](#) a challenge to the US to win the race for a vaccine required a speed up of trials and a ramp up of US manufacturing Scale. Breyen suggests that the US should foster development of a critical supply chain by either shifting production to other centers or re-establishing production facilities in the US.

Bryen delved into the background of the Wuhan Institute of Virology (WIV) investigation into SARS COVID viruses. The WIV is a Bio Safety Level-4 (BSL-4) designated facility authorized to conduct investigation into dangerous pathogens. The Bat population studies were conducted by Ms. Xi-Jiang-Li under auspices of both Chinese and US NIH funding. A report she had prepared published in 2015, co-authored with US and other experts, dealt with the Bat SARS COVID -2 virus injected into mice. The WIV produced major scientific papers on AIDS-HIV, Ebola, and coronaviruses with co-authors from Canada, France, and the US. Those papers included research into primate and human transmission. In 2018, a US Embassy team, including a Science Attaché, visited the WIV and found safety violations that they documented warning of a potential pandemic.

WIV was not the only BSL-4 facility with such problems. Bryen drew attention to the closure of the US Army Fort Detrick Bio-weapons research facility in 2019 for two months. Moreover, a moratorium on conduct of research into dangerous pathogens at Fort Detrick was issued in 2014 and not lifted until 2017.

One of the controversial theories as to what might have occurred at the WVI is the suggestion of French HIV Nobel Laureate Luc Montagnier, formerly associated with the Pasteur Institute, now active in doing research in Shanghai, China. He [thought](#) that the WIV might have attempted to culture SARS COVID-2 with AID virus proteins, that may have produced the COVID-19 virus. Moreover, Montaigne said that because it was man made it may have a half-life of eight weeks.

As noted by Bryen's *Asia Times* colleague David P. Goldman in



an [article](#) on this subject, Defense Secretary Mike Espers told a television interview that “a majority of the views right now is that it is natural, organic”. Dr. Anthony Fauci, Director of the US National Institute of Allergies and Infectious Diseases and White House Coronavirus Task Force member, referred to a Scripps Research study indicating “that highly qualified virologists looked at the sequences in bats as they evolve. The mutations that it took to get to the point where it is now totally consistent with a jump of a species from an animal to human”.

Bryen criticized the WHO leadership of Dr. Tedros for essentially parroting the diversionary Chinese statement that the coronavirus was not communicable with humans. Bryen thinks the WHO, funded by the US at \$550 million annually, should replace Tedros and bring in a qualified public health and medical leader and a functional professional staff. We note that the staff of the US Center for Disease Control and Prevention (USCDC) provided the first accurate assessment of the coronavirus pandemic.

Notwithstanding, Bryen drew attention to reports of the contamination of tests with the coronavirus virus by staff of the US CDC, thus causing a critical delay in providing test kits. As regarding tests to lift confinement Bryen thinks priority should be given to nursing homes, prisons, and the military with spot sampling of populations in hot spots. Bryen’s suggestions appear to have been corroborated by White House Coronavirus Task Force coordinator Dr. Deborah Birx in a CNN Jake Tapper [interview](#): “

Birx said though she’s always concerned about the potential for a new surge in cases, but that “we have to diagnose the

virus before it is evident in communities.”

She said in the response team’s guidelines for reopening the country, there’s a setup for “what we call sentinel surveillance or monitoring proactively in long term care facilities, in inner city clinics that have multigenerational households, in prisons, among Native Americans, to really ensure we find the virus before people even get symptoms.”

“That’s a key part of this also, that sometimes I think is missing when we’re talking about diagnosis and contact tracing,” she said. “We also have to diagnose the virus before it is evident in communities.”

Bryen discussed the research of Tel Aviv University Professor and Israel Prize winner, former Israel Air Force general Itzhak Ben Israel who had [developed](#) a mathematical model of the coronavirus that defined a curve with a 40 days to peak, followed by a 70 days half-life.

What follows is the *Israel News Talk Radio–Beyond the Matrix* interview with Dr. Stephen Bryen:

Rod Bryant: Officially you are at Beyond the Matrix. You are here with us right now on Israel News Talk Radio with Jerry Gordon, my co-host and producer. We want to welcome those who are watching us on YouTube at Netiv online. Our guest is Stephen Bryen. Jerry, could you talk about Steven Bryen’s background and why we are having him on today?

Jerry Gordon: Stephen Bryen is a world-ranked military technologist, former Department of Defense Deputy Undersecretary for Technology and Security. He is a well published author and an Asia Times columnist. He has done research on the dynamics behind the origin of the COVID-19 Pandemic. He is critical about the leadership of the World Health Organization. He is also concerned about the dangerous research into the coronavirus at the Wuhan Institute of Virology involving possible foreign and US assistance where this might have occurred. The interesting aspect of it is that it may have been involved doing additional research on HIV vaccines and the coronaviruses.

Rod Bryant: Which reveals that this may possible be man-made. If that is the case, there is a theory floating out there that we are going to discuss from a controversial French researcher. That this Coronavirus may have been spawned human transmission as research possibly using HIV proteins were involved. Stephen Bryen, thanks so much for taking time out of your busy quarantine schedule in isolation

Stephen Bryen: Yes, I will have to jog some more around my study.

Rod Bryant: Did you hear about the fellow that is doing a 20-mile marathon in his house for a good cause?

Stephen Bryen: There is a wonderful story about a 99-year-old retired military officer in the UK who has been raising money for the National Health Service by walking back and forth in

his little yard with a walker. Colonel Tom is his name and he has raised a huge amount of money, like \$30 million.

Jerry Gordon: £16 million.

Rod Bryant: That is incredible.

Stephen Bryen: It is way above that, Jerry, now. He has just done an amazing job.

Rod Bryant: That is incredible. A lot of good stories are coming out of the quarantine all over the world. One thing for sure, I am pretty much an optimist, and I like to project good positive things. I am hoping for the best for our nation, and for the people of the world. Stephen, we will get right into the questions.

Jerry Gordon: Stephen, why did China delay the disclosure of the COVID-19 breakout in Wuhan, for critical six weeks from December 2019 until lockdown of Hubei Province in January of 2020?

Stephen Bryen: We do not know exactly why. Let us start there. First, we do not even know what the Chinese Government knew. I would imagine that the local officials were not too anxious to report to their bosses back in Beijing that everything had gone to hell in Wuhan. I think they were covering it up in the first instance. Then you had the issue that the Chinese were extremely sensitive about the idea that this disease is called



the Chinese virus or the Wuhan virus. That really occupied their attention, they were mortified by the whole thing. I do not think they were hiding anything as much as they were mortified. What they did was to say, "It wasn't a big outbreak. There were not that many people involved. We have got it under control. We're taking proper actions." They did their best to obscure all this. The worst part of all is that they did not properly warn the world. I think that is the worst part. A lot of people who heard about it, initially discounted it, thought it was something local, thought it was something that could be controlled. It did not really engage anybody in the United States in a big way. People knew about it, but they did not see it as a great threat, and they were wrong, of course. I am not among those who think they were developing some bioweapon and trying to destroy the world. All the evidence that we have simply does not suggest anything like that.

Rod Bryant: Stephen, before we came on to the show, Jerry and I were talking about economies. We see things posted on Facebook, saying that China wants to destroy the world economies to have domination and power. However, most people do not understand that the world economic system depends on every other country succeeding and prospering. Because if the world economic system fails, especially China Russia, and Israel, it may have a domino effect. I do not think people realize that it is not in the best interest of China to destroy the economy of the world over this virus. It is ludicrous. So, you do not buy into the whole conspiracy theory that China is attempting to spread this virus to do some nefarious thing.

Stephen Bryen: No, I do not. I agree with you. I think that it would be very dysfunctional for China to do something like

this, because after all it spread from China. If it had started somewhere else, you might say, "Well, maybe they were trying to do something like that." But it started on their own turf. They took an excessively big hit before it got out. We know how it got out because people were traveling from China to Europe, and to the United States and other places. Especially Italy, where China has a major influence in the textiles and leather goods in Northern Italy. There was direct flights between Wuhan and Milan, bringing these people back and forth and they did not know they were sick.

Rod Bryant: China also shut down travel to the northern part of China before they shut out the rest of the world.

Stephen Bryen: Yes, they were looking internally.

Rod Bryen: Because they were at that time still thinking, this is an internal problem and we should not worry too much about it.

Stephen Bryen: From the point of view of the Chinese Government, I do not think there is any evidence that they were trying to do bio-war. For economic, military, or political reason, none of the above. I think there is some case to be made that the labs in Wuhan were working on some projects that had economic potential for China, and obviously, for the labs in Wuhan, and the people they are connected to. That is something we must look at. That is quite different than saying there was some bio-war or some other grand design by the Chinese Communist Party. I do not buy any of that.

Rod Bryant: One of the things that we must consider is China provides most of the world with the raw materials for medicines, medications, and treatments. For sure, they would not want to taint their reputation by showing a lab that that has dumped this virus out by accident, because it just makes them look sloppy and they are going to lose business. Potentially, they could lose a lot of business from other countries because it is time for other countries to become a little bit more self-sufficient. What do you say about that?

Stephen Bryen: I think you start with the fact that we must have security of supply for certain things. Obviously, medicines are extremely high on the list because if you have sickness in your society, and you cannot assure the supply of antibiotics or other kinds of curatives, you are in trouble. I think there is an emerging consensus in the United States that we must get the pharmaceutical industry back into our country somehow, that we cannot depend on outside sources. After all, it is not just China. The President of the United States had to call President Modi in India and plead with him to provide the—

Jerry Gordon: —Hydroxychloroquine.

Stephen Bryen: Thank you. So, we need it, we've to have it. The Indians were holding it back for their own huge population. I think it was courageous of Modi to supply it under the circumstances. I think it also shows that this globalization in medicines is not necessarily all that good a thing. You must be able to have a stockpile, but then you must know what to stockpile.

Rod Bryant: Absolutely. It is almost like the oil situation.

Stephen Bryen: Hydroxychloroquine is not something you would have typically stockpiled. A lot of American manufacturing used to be either in the continental United States or in Puerto Rico, now is in China, as is a lot of our manufacturing of vaccines and pharmaceuticals.

Rod Bryant: It seems like after this is over with, hopefully, many governments will reconsider their own critical supply chain to make sure that they have market access.

Jerry Gordon: Steve, let us deal with the origin of this so called COVID-19 virus. The Wuhan Institute of Virology Laboratory had received in 2015 a biosafety level 4. It is a designation that permitted them to deal with dangerous pathogens. They had researchers on their staff who were investigating rather unique, problems eventuating from bat populations several hundred miles away from Wuhan. The question before us is, how did this naturally arise? It is about the experiments and work done by the Wuhan virology laboratories about bat populations which they have done since 2015. They are one of the few important Biosafety Level 4 designated institutions in China allowed to conduct research into dangerous pathogens. The facility was visited in 2018, by scientific aides to the US Ambassador in Beijing who sent a memo back to the State Department questioning their safety standards. With that background, Steve, what do you know?

Stephen Bryen: One of the interesting questions is, why did they visit that lab in Wuhan in 2018, Now, there had been some

outbreaks of SARS viruses in 2017 in China, but not in Wuhan. It seems to me that somebody was blowing a whistle. Now, remember that this lab was getting money from the United States National Institute of Health, for some research involving American researchers at the University of North Carolina University, and Dr. Shi Zhengli who was at Wuhan. She is the bat lady, that has been her specialty. I think the reason they went there was that they heard things were not as good as they should have been, and they wanted to check it out. And they warned that there could be a pandemic. They understood that there were some major shortcomings in that BS Level 4 laboratory. Incidentally, while we are talking about it, something like that also happened in the United States in July of 2019 at the US Army Level 4, Level 3, labs.

Jerry Gordon: Fort Detrick . . .

Stephen Bryen: In the United States, and they closed them down for a couple of months. It is not just in China. I'm trying to be as cautious as I can, because it's easy to say, "Well, they were sloppy, they made a mess, and something bad happened. And that's where we are." On the other hand, there is a lot of information that brings up this question, "Was this virus that got out a natural evolution that just happened, had never happened before? Did it happen in the Wuhan wet market? Did it happen in the virology lab in Wuhan, or another lab, very much closer to the wet market?" The answer is, we do not know, and we may never know. Then if you start by saying, the story about the wet market in Wuhan is largely diversionary. It was intended to throw the blame somewhere else. I mean, I do not want to be tainted with this disaster that has occurred, because there are careers of people involved, and possible criminal cases could emerge. I mean, the Chinese system is definitive. These are very highly respected scientists. The

amount of scientific papers coming out of that virology lab in Wuhan is considerable. I have researched a lot of them, and they have done work on AIDS and AIDS vaccines. They have done work on coronaviruses of all kinds, and others, like Ebola. They have been extremely engaged in this kind of research, not only by themselves, but in partnerships with other countries, Canada, France, the United States just to mention a few. I think there was a lot on the line for them. I would not be surprised if this was to try and throw the focus away from the lab. That does not mean the Chinese government is in the least responsible for that. That is human nature, that is what you do. The lab was doing a heck of a lot of research, not only with bats, but they were doing research with primates and with these viruses. They were working on how you could have potential for human emergence, that is the key issue. I have their research paper. The headline of the paper is, A SARS-like Cluster of Circulating Bat Coronaviruses Shows Potential for Human Emergence. The date is 2015. Shi Zhengli and Ralph Baric from the United States are among the two researchers who wrote this paper. They took this virus and they infected mice with it. They did several things that probably was a good idea scientifically, but it is dangerous. All of this is dangerous. In fact, in 2014, in the United States, we stopped supporting this kind of research and we had a moratorium that lasted until 2017.

Rod Bryant: Do you know why that was lifted in 2017?

Stephen Bryen: I think there was a lot of pressure from the scientific community that we would not be able to develop vaccines and preventatives unless the research went on. It is a legitimate debate. However, it is extremely dangerous, but probably necessary research. That is the kind of dilemma you are in. I think the mistake here is that there was no



internationally agreed way of protecting this kind of research with supervision. It was left to each lab to supervise itself.

Rod Bryant: What you are saying, there needs to be an international protocol for these types of labs.

Stephen Bryen: There is a protocol for the level of the lab. The Biosafety Level 4 lab is considered the highest level. A lot of this research was not being done in Biosafety Level 4 labs, it was done in Biosafety Level 3 or even lower labs, so that must be looked at as well. US government keeps a list of the class A threats and Corona is one of them. Ebola is another one of them There are other pathogens like Anthrax on the list. I think the problem here is that, if we want to go forward with this kind of work in the future, we had better think about a cross-checking supervisory process to prevent mistakes. Now, I want to qualify all this by saying, right now, the balance of opinion on this issue is very much that it was a natural evolution not a man-made one, and that this was not made in the laboratory. There are some people who disagree with that. I am one of them. I think it was made in the laboratory. I am persuaded by the French professor who has done investigations and made some claims, that have been highly disputed. I might add, saying that there was research on an AIDS vaccine going on using Coronavirus. His name is Luc Montagnier. Montagnier is a French Nobel laureate. He is one of the team who discovered HIV. He is not a trivial player although he has been very controversial all his life. He comes from the Pasteur Institute in Paris. These days, he is in Shanghai. He says that the Coronavirus is a man-made virus and that it contains fragments or traces of AIDS proteins that have gotten into the Coronavirus in the lab.

Rod Bryant: So even though you are not supporting a conspiracy theory that it was an intentional bioweapon; you are not backing away from the idea that this is a potential man-made disease that somehow got out by accident.

Stephen Bryen: If you want a silver lining and we have time for silver lining to the story it is that Montagnier says that anything that is man injected into these things is going to disappear in time, it's not going to stay around, so that this may have a half-life of the infection.

Rod Bryant: Okay. He is saying it is not a natural occurrence, it is not going to last long.

Stephen Bryen: Any time you graft something on like this it cannot survive for awfully long.

Rod Bryant: I would like to ask about the World Health Organization and their ability to supervise and to manage these things. Did the World Health Organization participate in sort of a cover-up because of the head of that organization's association with China?

Jerry Gordon: The question was basically about the World Health Organization. Why they went along with the initial stories that the Chinese were putting out there?

Rod Bryant: And are they capable of managing the World Health Organization?

Stephen Bryen: That is a great question. You know, there is no doubt that they were agreeing with what the Chinese government was saying, that it was not communicable between people, was one of the things they said. Which we know very well it is very communicable between people. Everything else they said was in line with the Chinese government's arguments. They became suspect as a result. The President thinks that they obviously were not helpful, and they misled people. On the other hand, there is an argument you can make that we need a World Health Organization that is functional and professional. The US provides a large part of their budget. I think it is something in the order of \$550 million a year. It seems to me that what we ought to try to get out of this, is a change in how they do their business at WHO. To make it a professional organization and put in a serious specialist who can make sure that it is at the highest possible scientific level.

Rod Bryant Is the head of the WHO organization a physician?

Jerry: He has public health and immunology degrees from the UK.

Stephen Bryen: He has medical degree, but it is not a particularly good one from what I understand. And certainly not in line with this. He does not know what he was talking about. Beyond saying that it is not what the scientific community would call very credible.

Jerry Gordon: He's basically an Ethiopian Eritrean by origin, the Former Foreign and Health Minister of Ethiopia. He was

elected in 2017 as the first African to serve as head of WHO. Dr. Tedros received his advanced degrees from universities in England. He holds a Doctor of Philosophy (PhD) in Community Health from the University of Nottingham and a Master of Science (MSc) in Immunology of Infectious Diseases from the University of London. But they were not, as Steve said, related to the study of epidemiology or virology in that regard.

Stephen Bryen: World health is much broader than just that narrow field. Let us be honest about that. I think we need a world-renowned scientist to head that organization, who has real credibility throughout the scientific and public health communities. Because they are both involved in this. I would hope that he steps down, and they bring in someone who is really first class.

Rod Bryant: You have written about an Israeli scientist who has a different model that projects an eight-week cycle of infection that might favor the lifting of confinement. Who is he and how technically grounded is he in these analytics?

Stephen Bryen: He's not. His name is Yitzhak Ben-Israel, and he is not a physician. In fact, he's a retired Air Force general, a very exceptional technologist in the Israeli Air Force who twice received the Israel Prize, which is the highest prize Israel has for its personnel who make a real contribution to the State of Israel. He is now a professor at Tel Aviv University. He did his PhD in, among other things, statistics, mathematics, philosophy, and Physics. What he has done is look at the numbers. What he is saying is that there is a 40 days peak and then the 70-day period. At 40 days, you get a peak in these outbreaks, and at 70 days, it is on the

skids and going away. He thinks that is the curve. That sort of compares to some extent, with Montagnier's argument that this virus has a half-life. If that is true, then there is some good news. What he said is in the practical sense is you can start to get away from the lockdown stage and move to serious but more relaxed measures. Still serious measures, but more relaxed. So that industry can get back to work and people can get their jobs back. That was the thrust of what he said. The numbers are the numbers. Now, we also know that there are three kinds of lies. There are "Lies, Damn Lies and Statistics". It is observed empirical information, which is all you can say about it. I think it is unassailable that this is what he has found. What exactly it means, we are not sure yet, but it looks like it means that this virus has a half-life. That is going to be the case, for sure.

Rod Bryant: My wife and I, a couple weeks ago, went to look for a couple of items we needed to pick up, and we went through the store, and it was a little disturbing. A handful of people in this 60,000 square foot building, and the products, full of the shelves and hardly anybody there to buy. People are afraid to go. I would think that if tomorrow, they decided to just open the stores, there are going to be a lot of people, especially those at risk, who are going to stay home. There are going to be other people that are going to get out on their own. Do you think that the overused word draconian measures to have people to stay in their homes locked down, do you think that was too much of a response or just what we needed?

Stephen Bryen: No, I think it was appropriate. I think it seems the idea of flattening the curve is important, but it is exceedingly difficult for people to sustain this kind of quarantine. There are a lot of people who are out there

suffering. They have no money, they have no job, they do not have food on the table; it's bad. They cannot pay their rent. These things are very damaging to society, and I think that tension is growing a great deal. Whether we like it or not, we must find ways to mitigate it in different ways than we have been doing it. The second issue that I think we will see is, as you know, Israel has announced it is going to start relaxing its controls. If the statistical study that we have from Professor Ben Israel is right, this will be about the right time to do that. We will find out whether it works. If it starts to work there, because it is a smaller society, then it should be tried out elsewhere. I think President Trump's instinct is he wants to get as many people back to work in the United States as possible. The difficulty is that these are state decisions, they are not federal decisions. He is throwing the ball to the governors. I think it is a smart political move because he is saying—

Rod Bryant: —"You guys decide. It's not my job, it's your job."

Stephen Bryen: I think his instinct is he would like to see people get back to work soon.

Rod Bryant: For sure, governors regardless of what their political alliance is, have at least their political career as part of the reason why they should consider that.

Jerry Gordon: Having said all that, some of the requirements for lifting the confinement are additional testing the populations as well as contract tracing. Steve, what is the



state of that art such that it does not become an onerous barrier to mitigating these significant economic impacts?

Stephen Bryen: I think there are a couple of things. Obviously, more testing is good. We should do that because we can identify a problem before it emerges to something terrible. I would start testing in nursing homes, prisons, subway riders and other confined areas, and in the military for the same reason. In confined places because it seems like that is where the worst of the worst happens. In fact, I think the most terrible thing about this disease is what is happened in nursing homes. I have one that is just a few blocks from my home, where they had 15 deaths. It is hard to believe that is what is going on. We need to do better on how we handle confined spaces and hot spots. If we focused on those two things, I think we would have a better chance to getting through this. That is just me speaking, but I think trying to do it on a global basis, the whole society by tracking everybody, then it is impossible, you cannot do it. However, if you do it where you know where you have serious problems and you can anticipate having problems, which is a big help. Of course, we still need some treatments, we need some solutions. We do not have them yet.

Rod Bryant: Actually, that is the fly in the ointment here, we must have a treatment or an injection to keep people from getting it. It has been a great show. Stephen, as always, a plethora of great information, we really appreciate it. Until next week at this same time, Jerry and I and Stephen want to say Shalom to you and have a wonderful week. Stay safe.

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