

Assessing Failures in COVID-19 Response Strategies and Their Role in Infection Control Outcomes

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Abstract. On or around November 13, 2020, the United States recorded over 11 million cases of SARS-COV-2 Infections and over 249 thousand deaths due to COVID-19. Thus, the United States has the honor (or dishonor) of occupying the top position in the world with respect to the total number of individuals infected with SARS-COV-2 (still counting) and total number of deaths due to SARS-COV-2 infections (not a position to be proud of). The IP-10000 Number (Total Number of Infected Individuals Per 10000 Population), the DPP-10000 Number (Total Number of Deaths due to SARS-COV-2 Infections Per 10000 Population) and the DPI-10000 Number (Total Number of Deaths Per 10000 of Individuals Infected with SARS-COV-2) of United States show that the United States has abjectly failed to control SARS-COV-2 Infections and Virulence. It is submitted that there has been a faulty response strategy from the part of the Federal Government under the uneducated, incompetent, racist and xenophobic Donald Trump and his equally incompetent appointed Officials, including the Director of the National Institutes of Health (Francis S. Collins), the Director of the National Institute of Allergy and Infectious Diseases (Anthony Fauci), the Director of the Center for Disease Control and Prevention (Robert Redfield), the Director of Federal Drug Administration (Stephen Hahn), the White House Corona Virus Response Coordinator (Deborah Birx), the Director of the Biomedical Advanced Research and Development Authority (Gary Disbrow) and the Chief Advisor of Operation Warp Speed (Moncef Slaoui). The sole reliance of Operation Warp Speed on the candidate vaccines developed by Pfizer/BioNTech, Moderna and AstraZeneca/University of Oxford will prove to one of the costliest blunders in terms of lives lost and dollars spent that the United States will have to wake up to in the coming months.

On or around November 13, 2020, the United States recorded over 11 million cases of SARS-COV-2 Infections and over 249 thousand deaths due to COVID-19. For the past six months, the United States has been number one on the podium of countries with the highest number of individuals infected with SARS-COV-2 and the highest number of deaths due to COVID-19 complications (Figure 1). It does not look like the situation will change in the foreseeable future as the total number of SARS-COV-2 Infections total number of deaths due to COVID-19 are increasing and not plateauing (Figure 2). Examination of the IP-10000 Number (Total Number of Infected Individuals Per 10000 Population), the DPP-10000 Number (Total Number of Deaths due to SARS-COV-2 Infections Per 10000 Population) and the DPI-10000 Number (Total Number of Deaths Per 10000 of Individuals Infected with SARS-COV-2) of United States (Figure 3) leads one to conclude that the United States has abjectly failed to control SARS-COV-2 Infections and Virulence.

What are causes behind the abject failure to control SARS-COV-2 Infections and Virulence? It is submitted that the main cause is the faulty response strategy from the part of the Federal Government of the vicious, uneducated, incompetent, ignorant, racist and xenophobic Donald Trump and his equally incompetent appointed Officials, including the Director of the National Institutes of Health (Francis S. Collins), the Director of the National Institute of Allergy and Infectious Diseases (Anthony Fauci), the Director of the Center for Disease Control and Prevention (Robert Redfield), the Director of Federal Drug Administration (Stephen Hahn), the Chief Advisor of Operation Warp Speed (Moncef Slaoui), the Director of the Biomedical Advanced Research and Development Authority (Gary Disbrow) and the White House Corona Virus Response Coordinator (Deborah Birx).

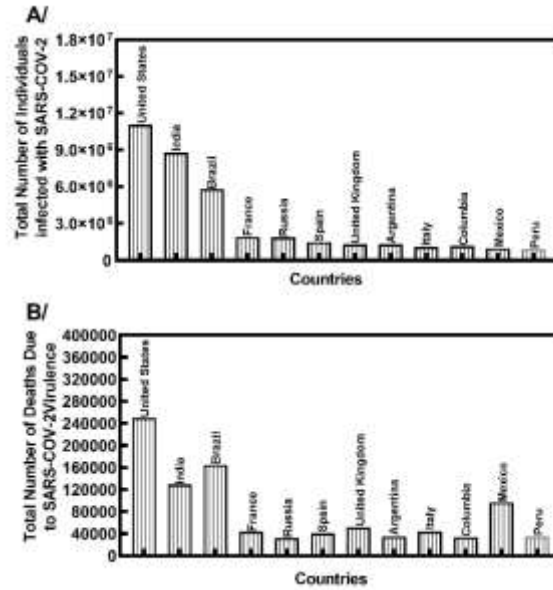


Figure 1. Total Number of Individuals Infected with SARS-COV-1 (Panel A) and Total Number of Deaths due to COVID-19 (Panel B) in the top 12 countries.

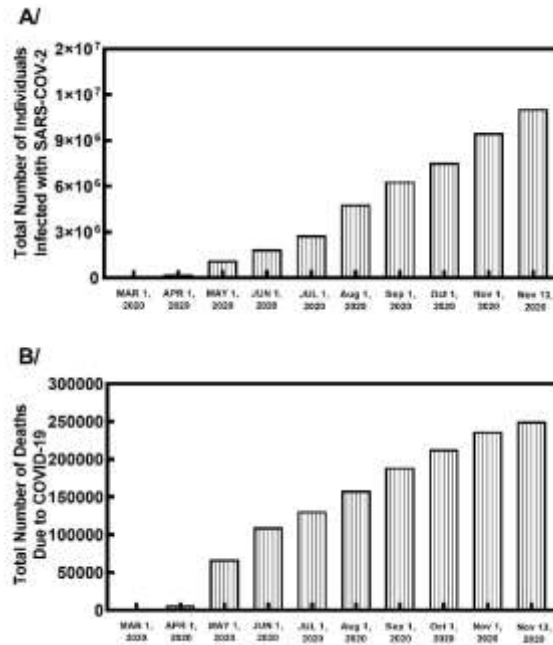
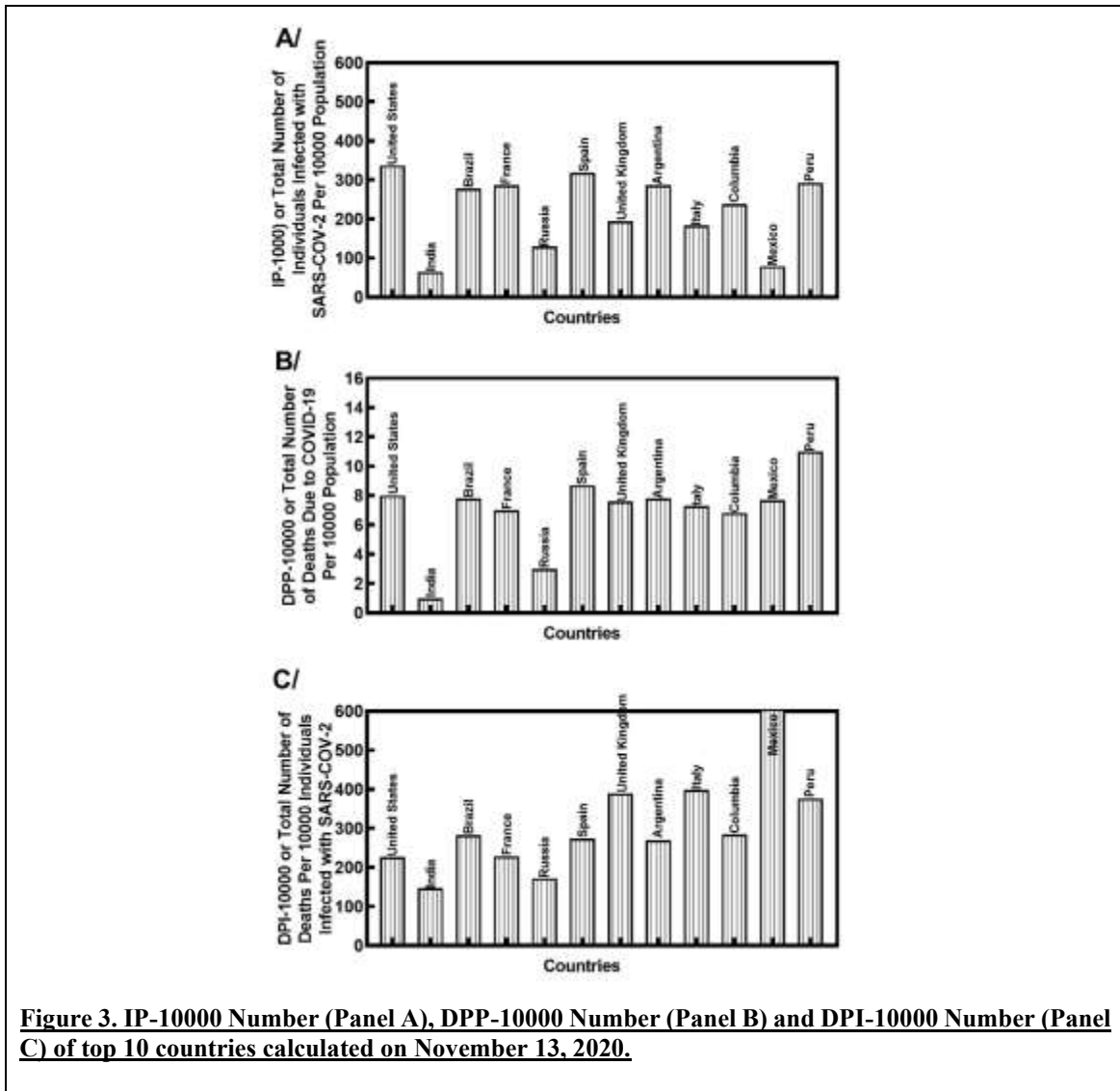


Figure 2. Total Number of Individuals Infected with SARS-COV-1 (Panel A) and Total Number of Deaths due to COVID-19 (Panel B) in the United States from March 1, 2020 to November 13, 2020.



Faulty response strategy.

That the United States has a faulty response strategy to SARS-COV-2 infections and virulence is an understatement. It is a complete disaster. The figures speak for themselves (See Figures 1, 2 and 3). While there is much debate on the origin of SARS-COV-2, the whole world became aware that SARS-COV-2 had appeared between November 2019 and December 2019 in Wuhan, China [1-4]. However, with the exception of a few countries that took SARS-COV-2 seriously and implemented appropriate response strategies (See Figures 1 and 2), the majority of countries, including the United States did not. The following evidence proves beyond reasonable doubt that proper response

strategy could have been implemented if only the vicious, uneducated, incompetent, ignorant, racist and xenophobic Donald Trump and his equally incompetent appointed Officials, including the Director of the National Institutes of Health (Francis S. Collins), the Director of the National Institute of Allergy and Infectious Diseases (Anthony Fauci), the Director of the Center for Disease Control and Prevention (Robert Redfield), the Director of Federal Drug Administration (Stephen Hahn), the Chief Advisor of Operation Warp Speed (Moncef Slaoui), the Director of the Biomedical Advanced Research and Development Authority (Gary Disbrow) and the White House Corona Virus Response Coordinator (Deborah Birx) had taken their respective duties with seriousness and due diligence:

(i) On or around December 24, 2019, a full-length sequence of the SARS-COV-2 genome can be seen to have been deposited in the China National Gene Bank and the GISAID DataBank under EPI_ISL_402123 [5,6].

(ii) On or around December 30, 2019., a full-length sequence of the SARS-COV-2 genome was deposited in the China National GeneBank and the GISAID DataBank under 402127–EPI_ISL 402130 [5,6].

(iii) On or around January 5, 2020, a full-length sequence of the SARS-COV-2 genome was deposited in the United States NCBI, under GenBank NC_045512.1 [7].

(iv) On or around January 24, 2020, a scientific paper entitled "Clinical features of patients infected with 2019 novel coronavirus in Wuhan, China" authored by Huang et al. [1] in which the authors described the disease(s) caused by SARS-COV-2 was published in Lancet.

(v) On or around January 29, 2020, Lancet posted on its website a scientific paper entitled "Genomic characterization and epidemiology of 2019 novel coronavirus: implications for virus origins and receptor binding" by Lu et al. [2] that described the disease(s) that SARS-COV-2 causes. In the paper [2], the authors described several reports of patients admitted to hospitals in Wuhan, China in December 2019.

(vi) . On or around February 3, 2020, Nature published a scientific paper entitled "A pneumonia outbreak associated with a new coronavirus of probable bat origin." by Zhou et al. [3] in which the full-length sequence of the SARS-COV-2 genome and a full description of the disease(s) that SARS-COV-2 causes were provided. The authors in [3]

stated explicitly that that SARS-COV-2 and the disease(s) that it causes had been identified as early as December 12, 2019.

(vii) On or around February 3, 2020, Nature published a paper entitled "A new coronavirus associated with human respiratory disease in China" authored by Wu et al. [4] on its website describing the full sequence of the SARS-COV-2 genome.

(viii) On or around Jan 10, 2020, Dr Catherine Stephens, the Director of Clinical Trials at Beth Israel Deaconess Medical Center got a release of the complete sequence of SARS-COV-2 genome under GenBank MN908947 from an open-access virology site posted by Dr Yong-Zhen Zhang of Fudan University [8].

Armed with the above vital information, the United States Government and its appointed scientific experts and pundits should have acted swiftly to come up with a properly thought out and National Response Strategy. Most importantly, after the H1N1 pandemic, they should have had a contingency plan for such catastrophic events but did not. It was derelict of duty not to have taken notice of the the appearance of SARS-COV-2 and the disease(s) that SARS-COV-2 causes, and not to have acted accordingly. There was no national response strategy. The Governments of the States and the Cities were left to themselves to deal with the COVID-19 Pandemic that would claim more than 250,000 American lives as of November 13, 2020 (still counting). It is projected that as many as 300,000 American lives would be lost before an effective vaccine against SARS-COV-2 (which is not obvious) can be perfected and safely used. Currently, it is not clear whether any of the candidate vaccines being touted by various companies can prevent SARS-COV-2 infections. The sensational press releases that declare that certain SARS-COV-2 candidate vaccines made by Pfizer/BioNTech, Moderna and AstraZeneca/University of Oxford may be greater than 90% effective [9-17] are nothing but un-scientific bravado (See below). While one's instinct for survival would mean that any bit of good news in a horrific pandemic would be welcomed with open arms, to trust press releases with no scientific data that can be verified by the scientific community at large would be fool-hardy and dangerous. Currently, there is no scientific data that shows or prove that the candidate vaccines manufactured by Pfizer/BioNTech and Moderna are in fact greater than 90% effective. See [11] to understand why the investigators and CEO's of

Pfizer/BioNTech, Moderna and AstraZeneca/University of Oxford have violated simple tenets of scientific statistics and committed Dishonest Scientific Reporting and Data Falsification. Instead of pinning down all of one's hope on a number of candidate SARS-COV-2 vaccines that may or may not work, there are certain effective response protocols that are currently available and should be implemented. Also, if the United States had a national response policy that it could have implemented nationally, it would have ordered a national "shut down" of 6 to 8 weeks that would have prevented any further SARS-COV-2 infections and virulence. After the 6 to 8 weeks of national "shut down", life in the United States would have become almost normal as seen in many countries if one took certain necessary precautions such as Mask wearing, Social Distancing, Mass Testing and Mass Contact Tracing. The United States economy would also have bounced back to normal. Instead of an effective National Response Strategy, the United States Government under the vicious, uneducated, incompetent, ignorant, delusional, racist and xenophobic Donald Trump and his equally incompetent appointed Officials, including the Director of the National Institutes of Health (Francis S. Collins), the Director of the National Institute of Allergy and Infectious Diseases (Anthony Fauci), the Director of the Center for Disease Control and Prevention (Robert Redfield), the Director of Federal Drug Administration (Stephen Hahn), the Director of the Biomedical Advanced Research and Development Authority (Gary Disbrow), the White House Corona Virus Response Coordinator (Deborah Birx), and the Chief Advisor of Operation Warp Speed (Moncef Slaoui) chose to talk and do nothing. Instead of a National Response Strategy that has its foundation in science, these people came up with a very risky and ill-conceived strategy that depended solely on the so-called Operation Warp Speed, a slogan that has more to do with science fiction and is completely out of touch with known scientific principles. What is quite surprising and difficult to understand is that the majority of Scientific Researchers have endorsed Operation Warp Speed and have not come forward with any criticism of the scientific merit of Operation Warp Speed that rests on candidate vaccines with dubious scientific merit and herd immunity which is impossible without an effective vaccine.

Donald Trump's incompetence.

That the President of the United States, Donald Trump is a vicious, uneducated, incompetent, ignorant, delusion racist and xenophobic imbecile is not disputed (See below). Under his watch while he plays golf, tweets, watch TV and do nothing substantial, the United States occupied the honor (or dishonor) of being the top on the podium of countries with the highest number individuals infected with SARS-COV-2 (still counting) and the highest number of deaths due to COVID-19 (See Figure 1).

Donald Trump is a vicious imbecile: What does one expect from a President who stated that Mexicans are rapist and that he is allowed to grab women's pussies or anywhere he wants because he is rich and a celebrity. What does one expect from a President who would allow the separation of babies and small children from their mothers, and then failed to reunite them. What does one expect from a President who would send his equally uneducated, imbecilic and foul-mouthed wife to visit children who were separated from their mothers in Texas wearing a jacket with the statement, "I really don't care. Do U?". She should go back to school and learn some proper English (What does one expect from the wife of a President who would say that the children who were separated from their mothers, kept in cages and slept on concrete floor are at least being fed and cared for!. It just shows how these people live in an alternative world). What does one expect from a President who would say that Senator John McCain is a loser because he got captured by the Vietnamese and that American soldiers who died at war were losers.

Donald Trump is an uneducated and ignorant imbecile: What does one expect from a President who is alleged to have paid one of his friends to take his SAT test in order that he could be admitted to University. What does one expect from a President whose level of science education is equivalent to that of a five-year-old. What does one expect from a President who advised the citizens of the United States to inject disinfectant in order to cure COVID-19. What does one expect from a President who states that one can cure COVID-19 by "hitting the body with ultraviolet or just very powerful light".

Donald Trump is an imbecilic liar: On or around September 15, 2020, in a book by Bob Woodward, it was revealed that back in February, 2020, the vicious, uneducated,

incompetent, ignorant, delusion, imbecilic, racist and xenophobic Donald Trump was aware and understood that SARS-COV-2, the virus that is the etiologic agent of COVID-19 was highly contagious and deadly, but chose to "down play" the threat and not reveal the bad news to the American people. Donald Trump not only "downplayed" the bad news but lied to the American People by stating that COVID-19 was just a flu from China and that by April 2020 with the warmth of spring, SARS-COV-2 would "just go away". The consequence of Donald Trump's lie is the death of more than 250,000 Americans (still counting) and over nine million infected individuals in the USA.

Donald Trump is a racist and xenophobic imbecile. What does one expect from a President who stated that Mexicans are rapists and United States should not allow immigrants from certain "shithole" countries from Africa and that it is preferable to have immigrants from Nordic countries. What does one expect from a President who would say ad infinitum that SARS-COV-2 was "China Flu", "Chinese Flu", and "Kung Flu". (One would expect that from an imbecilic comedian, clown and buffoon like Bill Maher but not from the President of the United States that preaches to the whole world that its system of governance that is based on the principle of that its government is a "government of the people, by the people, for the people". The Government of vicious, uneducated, incompetent, ignorant, delusional, imbecilic, racist and xenophobic Donald Trump is a Government of the 1%, by the 1%, for the 1%. It is not understandable why more than 70 million Americans voted for vicious, uneducated, incompetent, ignorant, delusional, imbecilic, racist and xenophobic Donald Trump. (There is the argument that they had no choice because Joe Biden espouses Gay and Lesbian Rights, Trans-gender Rights, Socialism, Big Government. However, it is difficult to understand why one would vote for someone who stated that it was OK to grab one's mother's or one sister's pussy.)

Donald Trump is an incompetent imbecile: While American people are dying by the thousands and will be dying by multiple of thousands, the vicious, uneducated, incompetent, ignorant, imbecilic, delusional, racist and xenophobic Donald Trump is playing golf, tweeting, watching TVs and not attending to the business of the American people. The vicious, uneducated, incompetent, ignorant, imbecilic, delusional, racist and

xenophobic Donald Trump and the equally vicious, uneducated, incompetent, ignorant, imbecilic, delusional, racist and xenophobic people whom he has appointed cannot be excused. If they keep quiet or do nothing, they are equally guilty as the vicious, uneducated, incompetent, ignorant, imbecilic, delusional, racist and xenophobic Donald Trump. Instead of implementing a responsible response strategy that has proven scientifically to be effective, the vicious, uneducated, incompetent, ignorant, imbecilic, delusional, racist and xenophobic Donald Trump lied to the American people and told the American people that COVID-19 is just a flu that will go away when the warm weather comes. Well the warm weather came and went away. The cold weather is here again. It is not rocket science. Do the following: (i) Wear mask, (ii) Wash hands regularly (iii) Keep social distancing, (iv) Avoid large crowd, (v) Avoid indoor gatherings, (vi) Do mass testing (vii) Do mass contact tracing and (viii) Do obligatory quarantining of individuals infected with SARS-COV-2 (remember Tuberculosis!). There is no reason why the most advanced country and the richest country in the world cannot implement these simple tasks as part of an effective response strategy.

Incompetence of Donald Trump's appointees.

While the buck stops with the vicious, uneducated, incompetent, ignorant, imbecilic, delusional, racist and xenophobic Donald Trump, he is not the only one to be blamed. His appointees, including the Director of the National Institutes of Health (Francis S. Collins), the Director of the National Institute of Allergy and Infectious Diseases (Anthony Fauci), the Director of the Center for Disease Control and Prevention (Robert Redfield), the Director of Federal Drug Administration (Stephen Hahn), the Director of the Biomedical Advanced Research and Development Authority (Gary Disbrow), the White House Corona Virus Response Coordinator (Deborah Birx), and the Chief Advisor of Operation Warp Speed (Moncef Slaoui) should also be blamed for the current disaster, and the one that will follow and that the average American will have to endure and suffer.

The incompetence of the Director of the National Institutes of Health (Francis S. Collins):

That the Director of the National Institutes of Health, Francis S. Collins is a bumbling "Idiot Savant" who does not live in reality is a proven fact. On or around March 3, 2020,

almost two months after the complete sequence of the SARS-COV-2 genome was published and the diseases that it causes were published, the Director of National Institutes of Health (Francis S. Collins) declared that "the risk of contracting COVID-19 in the United States is currently low". He also made the following statement in a blog entitled "Structural biology points way to coronavirus vaccine" [18]: (i) "there will be a potential vaccine against COVID-19" because some Scientific Researcher has determined the structure of the spike protein of COVID-19 by cryo-electron microscopy, (ii) "Preclinical studies in mice of a candidate vaccine based on this spike protein are already underway at NIH's Vaccine Research Center (VRC), part of the National Institute of Allergy and Infectious Diseases (NIAID). An early-stage phase I clinical trial of this vaccine in people is expected to begin within weeks. But there will be many more steps after that to test safety and efficacy, and then to scale up to produce millions of doses. Even though this timetable will potentially break all previous speed records, a safe and effective vaccine will take at least another year to be ready for widespread deployment", (iii) "An early-stage phase I clinical trial of this vaccine in people is expected to begin within weeks, (iv) "The NIAID is now working with the biotechnology company Moderna, Cambridge, MA, to use the latest findings to develop a vaccine candidate using messenger RNA (mRNA), molecules that serve as templates for making proteins. The goal is to direct the body to produce a spike protein in such a way to elicit an immune response and the production of antibodies. An early clinical trial of the vaccine in people is expected to begin in the coming weeks. Other vaccine candidates are also in preclinical development".

The statement of the Director of the National Institutes of Health, Francis S. Collins suggests that he was part of the decision maker that came up with Operation Warp Speed. As discussed below, it is unwise to rely on candidate vaccines whose effectiveness normally take years to prove. To put all of one's eggs in a single is not only unwise but foolhardy. On or around November 24, 2020 [19], without providing any scientific data (where is the beef!), the Director of the National Institutes of Health, Francis S. Collins praised the candidate vaccine that was developed by Moderna in partnership with the National Institutes of Health and Operation Warp Speed and those developed by

Pfizer/BioNTech and AstraZeneca/University of Oxford by stating "That mRNA vaccine was found to be 94.5 percent effective in preventing symptomatic COVID-19. Another mRNA vaccine, developed by Pfizer and BioNTech, also recently was shown to be 95 percent effective and has now submitted an application for emergency use authorization (EUA) to the Food and Drug Administration (FDA). In addition, AstraZeneca announced that, in a late-stage clinical trial, the vaccine it developed in partnership with the University of Oxford reduced the risk of COVID-19 infection by an average of 70 percent, with up to 90 percent efficacy in one dosing regimen". There used to be a time when a Scientific Researcher would first publish the results of his/her experiments in a peer-reviewed Scientific Journal and then make press releases of the results. Now because of COVID-19, it is as if every Scientific Researcher's brain has become fried. Perhaps it is because the Director of the National Institutes of Health, Francis S. Collins has been an armchair scientist for far too long (when was the last he went to the laboratory and did some real experiments with his brain and hands on his own!). For unknown reasons, the majority of Scientific Researchers in this country and the world have chosen to keep quiet. (Wake up! Remember Hydroxychloroquine and Remdesivir!).

The Director of the National Institutes of Health not only lacked vision and could not come up with a National Response Strategy with respect to Mass Testing and Contact Tracing but he was also a "wimp" who was afraid of being spanked by the administration of the vicious, uneducated, incompetent, ignorant, imbecilic, delusional, racist and xenophobic Donald Trump. Instead of confronting the vicious, uneducated, incompetent, ignorant, imbecilic, delusional, racist and xenophobic Donald Trump for a complete lack of a National Strategy with respect to Mass Testing and Contact Tracing, Francis Collins declined to support such action which was proposed by the former Director of BARDA, Rick Bright [20].

The incompetence of the Director of the National Institute of Allergy and Infectious Diseases (Anthony Fauci): The Director of the National Institute of Allergy and Infectious Diseases, Anthony Fauci is another "bumbling idiot savant" who is running

our first line of defense against the COVID-19 pandemic. On or around March 8, 2020, in an interview with CBS 60 Minutes, Anthony Fauci Stated that "There's no reason to be walking around with a mask. When you're in the middle of an outbreak, wearing a mask might make people feel a little bit better and it might even block a droplet, but it's not providing the perfect protection that people think that it is. And, often, there are unintended consequences — people keep fiddling with the mask and they keep touching their face" [21].

On or around March 15, 2020, the Director of the National Institute of Allergy and Infectious Diseases, the National Agency tasked to fight all infectious diseases, including COVID-19 declared that there was no requirement for "domestic travel restrictions" and that they "have not been seriously discussed" [22]. On or around March 17, 2020, Anthony Fauci stated [23] to the world that neither he nor the Center for Disease Control and Prevention or the President was responsible for the production delay of kits to detect the virus that causes COVID-19, SARS-COV-2 because "a technical glitch resulted in the delay of usable tests in the U.S." and that "It was a complicated series of multiple things that conflated that just, you know, went the wrong way. One of them was a technical glitch that slowed things down in the beginning. Nobody's fault. There wasn't any bad guys there. It just happened". (For sure, there were a lot of incompetent imbeciles!). Just imagine, the United States going to war and the Generals find out that there has been a glitch in the production of essential parts of their fighter jets or war ships. An effective and useful General is someone who is a seasoned strategist and thinker, has read the "Art of War" and the "Theory of Chaos". He/She would have conducted many simulated war games before going to war to face the enemy. It is clear that the Director of the National Institute of Allergy and Infectious Diseases does not have what it takes to be an effective and useful general with the capability to win wars. The United States Government, the United States Congress and the American Public deserve to know why the Director of the National Institute for Allergy and Infectious Diseases did not learn anything from the 2002-2004 SARS outbreak [24], the 2009 H1N1 flu pandemic that claimed over 12000 lives with over 60 million cases of infection in the United States

alone [25], the MERS-COV outbreak [26] and the 2014-2016 Ebola eruption that killed 50% of those infected with the Ebola virus [27].

Together with the Director of the National Institutes of health, Francis S. Collins, the Director of the National Institute of Allergy and Infectious Diseases, Anthony Fauci was a key decision maker of Operation Warp Speed. As discussed below, Operation Warp Speed is an irreversible disaster costing many billion dollars that will be haunt humanity for many years to come. The scientific basis of Operation Warp Speed is misleading at best and dishonest at worse. The idea that the effectiveness of candidate vaccines can be determined in a couple of months instead of a number of years rests upon science fiction and alternative reality. Only arm chair scientists who have deserted the laboratory can come up with such ill-conceived, outlandish, unscientific endeavor that normally comes out of Hollywood and Science Fiction. Unfortunately, the American people will have a costly and devastating wake-up call. It is a complete mystery that Director of the National Institutes of health, Francis S. Collins and the Director of the National Institute of Allergy and Infectious Diseases, Anthony Fauci did not push for a National Response Strategy consisting of the following: (i) Wearing of masks, (iii) Washing of hands regularly (ii) Keeping social distancing, (ii) Avoiding large crowd, (iii) Avoiding indoor gatherings, (iv) Doing mass testing and (v) Doing mass contact tracing. These simple but effective gestures have proven to work in many countries. Additionally, It is not clear why they have completely ignored currently available protocols involving the use of elevated temperature, high humidity and Far Infrared Irradiation for the prevention and treatment of SARS-COV-2 infections and COVID-19 symptoms which are based on sound scientific principles [28,29].

The incompetence of the Director of the Center for Disease Control and Prevention (Robert Redfield): The Director of the Center for Disease Control and Prevention, Robert Redfield is a political appointee and not a Scientific Researcher. It is not clear at all how such a person with the qualification that he has can become the Director of the Center for Disease Control and Prevention. The position of the Director of the Center for Disease Control and Prevention requires minimally an understanding of the biochemistry and

molecular biology of infectious agents and principles of molecular diagnostics. Unfortunately, the Director of the Center for Disease Control and Prevention, Robert Redfield do not have the minimum qualification that is required for such function. It was indeed comical and tragic at the same time when the Director of the National Institute of Allergy and Infectious Diseases, Anthony Fauci announced in front of the world press and television, that the United States could not manufacture SARS-COV-2 diagnostic kit [23]. It was a disgrace for the Director of the Center for Disease Control and Prevention, Robert Redfield because it was his duty to implement Mass Testing. It is also tragic that the Director of the Center for Disease Control and Prevention, Robert Redfield did not have the presence d' esprit and strategic acumen to implement the obligatory wearing of masks, testing (testing, testing, testing!), distancing, contact tracing and quarantining back in February, March, April and beyond. This will be recorded in the history of our country as the worse bureaucratic screw-up that claimed the lives of more than 260,000 Americans (still counting). Under the watch of the "bumbling idiot", Robert Redfield, the Center for Disease Control and Prevention issued guidance that stated that Mass Public Testing was not necessary [30]. He even stated the following: "Everyone who needs a COVID-19 test, can get a test. Everyone who wants a test does not necessarily *need* a test; the key is to engage the needed public health community in the decision with the appropriate follow-up action," The reliance on ineffective therapeutics and vaccines that may or may not work at enormous costs is also a grave miscalculation that Americans will be regretting for months and years.

The incompetence of the Director of Federal Drug Administration (Stephen Hahn): Under the watch of Stephen Hahn, the Federal Drug Administration approved Chloroquine, Hydroxychloroquine and Remdesivir for use as therapeutics for the treatment of COVID-19 when all the scientific evidence showed that they were not only useless but also dangerous [31,32]. The approval of Dexamethasone is another example of the incompetence of the Federal Drug Administration under Stephen Hahn [33]. How can the Federal Drug Administration be trusted to make scientifically sound decisions with respect to the candidate vaccines developed by Pfizer/BioNTech, Moderna and AstraZeneca/University of Oxford.

Stephen Hahn is the person who committed Dishonest Scientific Reporting and Data Falsification when he announced on live television the following: “Many of you know I was a cancer doctor before I became FDA commissioner. And a 35 percent improvement in survival is a pretty substantial clinical benefit. What that means is — and if the data continue to pan out — 100 people who are sick with covid-19, 35 would have been saved because of the admission of plasma” [34]. Obviously, the statement of Stephen Hahn was a blatant lie unless he is admitting that he does not know rudimentary statistics. The results of the non-randomized study by the Mayo Clinic are a lot more nuanced because any effect of convalescent plasma treatment was apparently found only in COVID-19 patients who were not intubated and were undergoing standard treatment. Since there was no proper control, it can be argued that convalescent plasma treatment at day 4+ caused more deaths than at day 3 or before and that there were unnecessary deaths due to convalescent plasma treatment [35].

The incompetence of the Director of the Biomedical Advanced Research and Development Authority (Gary Disbrow): After the firing of Rick Bright for daring to confront the administration of vicious, uneducated, incompetent, ignorant, imbecilic, delusional, racist and xenophobic Donald Trump for unscientific use of Chloroquine and Hydroxychloroquine for the treatment of COVID-19 and not accepting his strategy for Mass Testing and Mass Contact Tracing , Gary Disbrow was appointed by the vicious, uneducated, incompetent, ignorant, imbecilic, delusional, racist and xenophobic Donald Trump to oversee the spending of many billions of dollars on the opaque Operation Warp Speed which will most probably turn out to be one of the most epic failures that America will face in the coming months and years. Instead of developing a National Response Strategy that has scientific been proven to work, including , the incompetent Gary Disbrow did everything he could to sideline and suppress one key of the components of the National Response Strategy consisting of Mass Testing and Mass Contact Tracing developed by his predecessor, Rick Bright [20]

The incompetence of the White House Corona Virus Response Coordinator (Deborah Birx): The White House Corona Virus Response Coordinator, Deborah Birx is the person who stated that back in April 2020 that "we're behind the worst of it" and that "We've hit the peak" [36]. We now know that because of her incompetence, more than 250,000 American lives have been lost (still counting!). When was the last time Deborah Birx used her brain and hands to perform a scientific experiment in the laboratory! Deborah Birx is also part of Operation Warp Speed, an opaque organization with the sole purpose of accelerating the testing and distribution of candidate vaccines developed by privately owned entities. As discussed below, the candidate vaccines that Operation Warp Speed are remote time bombs that will haunt the American people in the coming months and years.

The incompetence of the White House Chief Advisor of Operation Warp Speed (Moncef Slaoui): The White House Chief Advisor of Operation Warp Speed, Moncef Slaoui was a former executive at GlaxoSmithKline. As the former Prime Minister of the United Kingdom, Mrs. Margaret Thatcher had said: "It is not a question of what one wants. It is a question of what's available". Unfortunately, for whatever reasons, Moncef Slaoui is what is available, not what one would really want to lead a life and death war against SARS-COV-2. It is not clear what his real function is apart from spending billions of dollars on unscientific projects, including the support of rapid development of candidate vaccines for the control of SARS-COV-2 infections and COVID-19 symptoms. Operation Warp Speed is shrouded with opacity and filled with conflict interests, Moncef Slaoui used to sit on the Board of Moderna and so far, Operation Warp Speed has disbursed a total of 2.5 billion dollars of tax payer's money to Moderna under very suspicious conditions. The US congress has asked pertinent questions but does not seem to understand what bleak future lies ahead. Most pundits have been wrong at stating that there is light at the end of the tunnel [37].

It turns out the the candidate vaccines do not prevent SARS-COV-2 infections and it is claimed that they prevent symptoms of COVID-19 which makes them very similar to Hydroxychloroquine and Remdesivir. Whether they prevent death due to COVID-19 is

mysteriously not addressed at all. It is not clear when Moncef Slaoui had the opportunity to work in the laboratory with his brains and hands. His scientific contribution to the development of the candidate vaccines is zero. He seems to be similar to an Army General who orders people around and spends tax-payers money except that he is like a character in a science fiction movie. It is clear that he does not understand any sophisticated science, and has been played and made a fool of by Pfizer/BioNTech, Moderna and AstraZeneca/University of Oxford.

The vicious, uneducated, incompetent, ignorant, imbecilic, delusional, racist and xenophobic Donald Trump takes credit for Operation Warp Speed that supposedly speeded the development of vaccines for SARS-COV-2 and COVID-19. However, Operation Warp Speed is an over-hype propaganda that will prove to be an unsurmountable disaster and nightmare that the American people will be waking up to in the coming months and years. The instigators and proponents of Operation Warp Speed claim to be able to come up with one or more vaccines against SARS-COV-2 and COVID-19 safely and effectively in a fraction of time that it would normally take to develop and test a vaccine. Science cannot be short-circuited in order to satisfy the requirement of Operation Warp Speed. A big surprise is waiting for the Government of the vicious, uneducated, incompetent, ignorant, imbecilic, delusional, racist and xenophobic Donald Trump and the American people. Unfortunately, the President-elect will inherit an unavoidable disaster of biblical proportion. It is clear that the candidate vaccines concocted and manufactured by Pfizer/BioNtech, Moderna and AstraZeneca/University of Oxford cannot prevent SARS-COV-2 infections, in particular asymptomatic SARS-COV-2 infections.

Based on the very limited data that were made available in their press releases and on their published clinical trials protocols, it is not clear how and with what scientific data Pfizer/BioNtech, Moderna and AstraZeneca/University of Oxford came to the conclusions that their candidate vaccines are greater than 90% effective [9-17]. Based on the limited information that were made available in their press releases, there is no real difference between whether one was vaccinated with their candidate vaccines or not. The

figures of greater than 90% effectiveness appear to have been fabricated out of thin air. It is stated that the candidate vaccines of Pfizer/BioNtech, Moderna and AstraZeneca/University of Oxford are greater than 90% effective at preventing symptoms of COVID-19. However, it is quite suspicious that nothing is said about whether there has been any death due to COVID-19 in their Clinical Trials and whether death occurred among those who were vaccinated or those who were not vaccinated. The average DPP-10000 (or Total Number of Deaths Per 10000 Population) in the current pandemic is estimated to ~7 (See Figure 3B). With the assumption that there were 43,000 participants in the Pfizer/BioNtech Clinical trial and that half were not vaccinated with the candidate vaccine, there should have been ~14 deaths in the control group if the clinical trial had been conducted scientifically and was reflective of the current pandemic prevailing conditions. The fact that no deaths were reported in their press releases makes the Pfizer/BioNtech Clinical trial suspect. It is most likely that there has been Data Falsification.

The average DPI-10000 (Total Death Per 10000 Infected Individuals) can be estimated to be ~335 (See Figure 3C). Based on the report that there were 162 unvaccinated individuals who developed symptoms of COVID-19, there should have been ~5 deaths in the control group if the clinical trial had been conducted scientifically and was reflective of the current pandemic prevailing conditions. The Infection Mortality Rate (IFR) or Mortality Rate of Individuals Infected with SARS-COV-2 has been estimated to be ~1.4% and as high as ~3.6% for 60-69 age-group and ~8.0% for 70-79 age-group [38,39]. That not a single participant in the clinical trials for the candidate vaccines developed by Pfizer/BioNtech, Moderna and AstraZeneca/University of Oxford is reported to have died is at best misleading and at worse dishonest. Taking the ~1.4% value, there should have been at least a few deaths in their clinical trials. However, if the clinical trial had involved the more vulnerable 60-69 age-group or the 70-79 age-group, a lot more deaths should have been recorded if the clinical trial had been conducted scientifically and was reflective of the current pandemic prevailing conditions.

The latest drip-drip information from Moderna [38] stated that out of 30,000 participants, 15,000 were not vaccinated with their candidate vaccine and 196 participants developed symptoms of COVID-19. 30 of the non-vaccinated individuals developed severe symptoms of COVID-19 and 1 of the non-vaccinated individuals died while 11 of the vaccinated individuals develop symptoms of COVID-19 and none of the vaccinated individuals developed severe symptoms of COVID-19. It is also stated that there were 7000 participants who were over 65 years old. It suggests that 23,000 of the 30000 participants were under 65 years old and that most probably 11,500 participants were not vaccinated with the candidate vaccine. The IP-10000 (or Total Individuals Infected with SARS-COV-2 Per 10000 Population) can be estimated to be ~224. If the clinical trial of Moderna was conducted scientifically and was reflective of the current pandemic prevailing conditions, ~257 individuals who were not vaccinated with Moderna's candidate vaccine should have become infected, and among them there should have been ~9 deaths within the participants who were not vaccinated with Moderna's candidate vaccine. The latest limited data released by Moderna strongly suggests that the Moderna's clinical trial to determine the efficacy of its candidate vaccine has not been performed scientifically and did not reflect current pandemic prevailing conditions. It is not clear whether the participants were chosen at random and whether they were any bias. Also whether a total of 30,000 participants in a clinical trial that has lasted from July 27, 2020 to October 30, 2020 is enough to determine its efficacy is highly debatable.

The candidate vaccine of AstraZeneca/University of Oxford is a lot more problematic as no reliable scientific data was provided and the number of participants is so small (only 2800 participants were injected with the candidate vaccine in the clinical trial that supposedly gave greater than 90% efficacy) that it can be said that the clinical trial conducted by AstraZeneca/University of Oxford is a farcical unscientific exercise. The combination of results from several trials with different dosing and controls is akin to data manipulation which would constitute Data Falsification and Dishonest Scientific Reporting [40,41]. Cutting corners is not only unscientific but also dangerous.

Perhaps, the biggest drawback of the candidate vaccines concocted and manufactured by Pfizer/BioNtech, Moderna and Astra Zeneca/University of Oxford is that they do not prevent individuals from being infected with SARS-COV-2. A vaccine against SARS-COV-2 is supposed to prevent SARS-COV-2 infections and not just the symptoms of the diseases that it causes. The candidate vaccines do not prevent SARS-COV-2 infections which makes them suspicious at best and dishonest at best since they were made to elicit immune response that targets the SARS-COV-2 Spike protein. If the immune response that is elicited by the candidate vaccines was truly targeting SARS-COV-2 Spike protein, prevention of SARS-COV-2 infections should have been their primary mechanism of action (SARS-COV-2 should not in principle be able to enter and infect cells). The fact that the candidate vaccines do not prevent SARS-COV-2 infections make the claims of more than 90% effectiveness dubious, misleading at best and dishonest at worse. As stated above, no verifiable scientific evidence is available to show that the candidate vaccines concocted and developed by Pfizer/BioNtech, Moderna and Astra Zeneca/University of Oxford are more than 90% effective. The only way to know anything about the effectiveness of the candidate vaccines is to analyze the data towards the end of the clinical trials in 2022 or to completely unseal the data for all the participants now. There is no information on asymptomatic SARS-COV-2 infections. There is also no study of the long-term effects of the candidate vaccines. Again, one cannot cut corners when it comes to proving the effectiveness of a candidate vaccine and whether it is dangerous or not. Can Moncef Slaoui understand the above?

Conclusion.

It is submitted that America is in for a rude awakening in the coming months and years. That the Government of the vicious, uneducated, ignorant, imbecilic, delusional, racist and xenophobic Donald Trump, and his appointees are a bunch of incompetents is an understatement. Operation Warp Speed is slogan that could only come from an infantile mind. It is unscientific and fool-hardy to depend on what Operation Warp Speed has given birth to: Candidate Vaccines that remain unproven and potentially dangerous. It is short-sightedness and lack of strategic acumen to ignore a Response Strategy that has been scientifically proven to be effective: (i) Obligatory wearing of masks, (iii) Regular wash

of hands (ii) Obligatory social distancing, (ii) Obligatory avoidance of large crowd, (iii) Obligatory avoidance of indoor gatherings, (iv) Obligatory mass testing (v) Obligatory mass contact tracing and (vi) Obligatory quarantining of individuals infected with SARS-COV-2 (remember Tuberculosis!). It is rocket science. Why the so-called experts and pundits appointed by vicious, uneducated, incompetent, ignorant, imbecilic, delusional, racist and xenophobic Donald Trump cannot understand these scientifically proven strategies is beyond comprehension. Countries like Australia, China, Finland, Germany, "Hong Kong", Japan, New Zealand, Singapore, South Korea, "Taiwan", and Vietnam (Vietnam claims that it did not record a single death!). Any person of average intelligence will understand these obligations to oneself, to love ones and to the country).

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