

Dear Vice President Joe Biden, it is an honor to communicate with you.

My name is Edgar, and I want to share with you a plan and the most vital and updated information related to COVID-19.

I've been working for over **ten years in a learnable protocol and strategy** to effectively fight community infections like the Flu, the H1N1 and now the Covid-19.

Everything started when the **H1N1 Pandemic** occurred and there was a sudden massive shortage of hand sanitizers. I began thinking about a way to protect my children, my direct family, and my friends.

As a **physician, surgeon, and researcher**, I have had the opportunity to become certified and practice my profession in Mexico, Spain, Canada, and currently in the USA. In addition to having lived in these countries, I also grew up in Brazil.

Thanks to this exposure to different countries and cultures, I learned some languages along the way, and I had the satisfaction of developing, designing, and implementing new scientific methods, protocols, and treatment strategies to effectively face different problems and diseases, including endemics and pandemics.

The specific strategy and protocol that I recently developed to control, contain, and eradicate the **COVID 19 PANDEMIC** in a couple of months can be implemented as a national strategy without the need to close the economy and being able to keep moving and working without the unfortunate consequences that confinement entails.

None of these is **new**; what is new is the way how to put together the guidelines and tools we have available and develop a specific strategy to combat the pandemic.

Some people are listening to promises of a Utopic "cure" with a vaccine or a magic drug. That is not going to happen. I believe we have to confront **reality with facts**, communicate, show the tools and guidelines we have available, control, and **STOP** the pandemic.

Other countries stopped it or controlled it, every country is different, and we have to adapt.

The **lockdowns** and decisions to open and close certain areas, are designed to control the number of people infected related to our capacity to respond without getting into **chaos**.

The idea of natural **herd immunity** (let it spread it and treat the infected) is not acceptable either for two reasons.

1. Around **1.3 million deaths** are needed to get into that possible level of infection and immunity, and
2. We don't know for how long the supposed immunity will last.
The latest data shows that it could be only for about three months.

In the future, mass vaccination may accomplish herd immunity at a level that we can eradicate the disease and keep then with testing, tracing quarantining hot spots, and that will still take a couple of years to get to.

Let's place the **testing strategy** aside for a second (for application in schools and specific workplaces), knowing that testing is imperative to control the spreading of the virus.

Negative results can change from one day to the next, it is based in the grade of infectivity, there are false positives and false negatives, and it varies massively depending on the supplier, brand, type of collection, and time of results delivery.

Any scientist who understands how this virus behaves knows that **magic doesn't work**; the Coronavirus is here to stay.

A vaccine is not going to work like magic and save humanity in a month. It is going to take about **2 or 3 years**, taking into account the immunity period that previously infected patients are showing and presenting today. We have to take into account the chances of a continuous **virus mutation**, the existence of **asymptomatic carriers**, and **immune people** to the virus that still are spreading it (all these data we don't have yet).

The reality is that people will have to change their **hygiene patterns** and, society will modify the way we interact with each other in different places and activities.

Today, we are already taking and suggesting the correct measures, mostly everywhere.

Social distancing, to avoid **big crowds and closed spaces**, the use of a **reliable face mask**, especially on close contact, proper **hand washing, and sanitation** of objects, surfaces, and hands when water and soap are not available.

These are the measures most people are already taking. It's very demoralizing for health workers, first responders like the **police, firefighters, and public service people**, that are **risking their lives**, to see many other people and workers already **complying** with the **lockdowns** and the correct measures; and still, spot people that **won't believe** that the virus is even real or are taking this issue as a **political matter**.

The numbers are there and they are not deceiving, this **is not a conspiracy**, and if we do not take action, it **will not disappear**.

With the measures and tools we have in hand, **we can't stop the PANDEMIC**.

However, **it is possible** to control and eradicate the virus even without full support from society by implementing a **correct strategy and protocol**.

To design a protocol and strategy to **attack this virus**, we have to understand very closely how it's spread and its behavior in different circumstances.

Today, we know what the main route of infection, how long it survives in different surfaces and conditions, and how it spreads.

As I mentioned above, we are already taking care, or we think we are, and our actual national plan is **not working**.

In my opinion, **we are missing a few key aspects** of the behavior of the virus.

We know now that a **cough or a sniff** may travel immediately and at high speeds up to **8-10 feet**, that some micro-particles may stay in a closed space for even hours and behaving as **airborne or aerosol**.

We know that **alcohol disinfectant** (the most used) works only with direct contact, and at the time of application. The **technique** involved is **complicated and uncomfortable**, and due to its peculiarity, it is not compatible and does not work with the **proposed strategy**.

I will explain later the precise reasons.

- Most of the time, **running water and soap** are not available or reliable to accomplish the strategy.
- The **objects we interact with didn't exist ten years ago** when the last pandemic hit us, the reason why the **previous strategies won't work**.
- With the sanitizers we have, we can't contain the cross-contamination we produce for two reasons:
 1. The compound or **ingredient utilized**.
 2. The **route of administration** or application.

Now, after placing all the **characteristics** of the infection on the table, let's understand **the proposed strategy**.

*We need to be able to create "Safe Spaces" to fight and stop the **germ cross-contamination** (we continuously cross-contaminate objects and surfaces and **touch our face, mouth, eyes**).*

What does this mean?

We need to **be sure** that every time we physically change from one space to another (house, car, office, etc.) that we are "**free of contamination**."

To do that, we need some **tools** to accomplish it. We need to analyze our everyday schedule and imagine where we go and how we do it in our activities.

Tasks:

1. Learn and remember to **social distancing** everywhere, and every time we enter a **different space**, analyzing the area, and deciding how to move around that area.
2. **Wear** a (reliable) **face mask** until you are in your "safe space" and keep social distancing.
3. **Wash your hands** with the proper technique and soap, and if there is **no water available**, **sanitize your hands** effectively but also the **objects and surfaces** you continuously interact with.
4. If there is no water available, we should use a compound that is **not toxic**, **last enough** to keep you **safe**, and can **replace the hand wash**.

With these simple measures in mind, I started to study and investigate all the different ingredients used for **sanitizing**, their safety, effectiveness, and its use in humans.

From thousands, I found a very reliable compound and decided to create a formula with the following characteristics:

- Able to be used in an **aerosol** to spray every **surface and object** we interact with throughout the day.
- Spray it in **cellphones** without damaging them.
- **Stain-proof** for clothing surfaces or objects.
- **Easy and quick** spray application on hands.
- **Immediate** biocide effect.
- No damage to hands or skin on **repeated use**.
- **Easy to carry**.
- The formulation should be already **studied, approved, and proven** by our **governmental health authorities**.

The product developed created and its formula is used today as a **tool for this strategy** has the following features:

- **FDA** and **EPA** registered and approved.
- Kills **99.99%** of all **bacteria, viruses, and fungi in 15 seconds**.
- **Nontoxic**, non-dangerous harmful ingredients.
- **Safe** to use with **children and pets**.
- Non-**flammable**.
- **Biodegradable** and environmentally friendly.
- **Hypoallergenic** and anti-allergic.
- **Long-lasting** biocide action (4 hrs. with only one application).
- Yields **20 times more** than other products.
- It is very **gentle on the skin**.
- It is **anti-corrosive**.

The task was to find **the specific tool** and implement it **together** with the rest of the **guidelines** to create "**Safe Spaces**" and avoid **cross-contamination**.

A walk through the day, avoiding infection in the middle of a pandemic.

If you and everybody around you are wearing a **reliable face mask**, a foot is enough between people to avoid and **prevent infection**. The social distancing of 6 – 10 feet has to happen when **even one person is not wearing a mask** in a closed space. You still want to avoid big crowds in closed locations because you cannot control and see who is wearing a mask and the quality if it. Avoid **bars**, because, after a few drinks, you will forget everything I said here.

It does not matter if at any time you **touch the whole world**, any surface, object, and people as long as you **do not touch your mouth, nose, or eyes** (mucosas).

When you arrive at a **new space** like your car, home, room, office, or any place, **sanitize your hands**, cellphone, keys, credit cards, etc. and everything you touched when you entered the location, like the door nob, car handle, steering wheel, etc. **Once in a "safe space,"** you should wash your hands with **soap if the water** is available to clean dirt, debris, or stains. It does not matter if you applied the spray before washing your hands.

Remember that washing your hands will work only for your hands and that at the moment you touch something, you already **contaminated yourself**.

Use a **reliable, long-lasting, soft, and nontoxic sanitizer**. Capable of spraying your hands, every object and surface you touched previously, and the objects and surfaces once you arrive at a **new place** to create a **“safe space”** (E.g., Mouse, desk, keyboard, keys, credit cards). Our sanitizer lasts for **4 hrs. with one application** after the third use, you are cleaning what you touch (integrates to the skin), and resist hand washes up to 10 times.

Alcohol-based sanitizers work only at the **moment of its application**, and you need enough amount of gel to rub your hands for **30 – 60 seconds** before it evaporates. At the moment you touch anything, you are contaminating yourself again because alcohol **stops killing germs when the alcohol evaporates**.

It is very uncomfortable to have **sticky or dry and cracked hands**. Alcohol damages the skin and its natural oils, mistreats objects, surfaces, and is **flammable, and toxic**. These days it's not possible to know for sure if it does not contain **methanol or 1-propanol** that could even **cause death**.

Safe space = Infection Free / Contamination Free Space.

Any place you go, you are **responsible for the rest of the people** to be complying with the correct measures to create it.

If you are at home, **all family members** are **responsible** when they return to **keep this space contamination-free**. Be aware of this like in any other space and **learn, share, and repeat** these measures everywhere you go.

This entire strategy is **scientifically proven and backed up**; it is complex but, at the same time, simple that people are saying that you would not think about it until you think about it, and then you get it.

This whole strategy is **scientifically proven and supported**. Although it's moderately complicated, it is simple to the point that people say: *"I would never have imagined this, but now that you mention it, I understand it perfectly."*

We can implement this protocol and strategy at the national level to **stop the pandemic** and make it practically **disappear in a couple of months**.

Also will be imperative to set up **specific strategies** on how to behave in the case of a **risky contact**, possible contamination, and infection to keep your family, home, and friends **safe from spreading the disease**.

With these measures, you can go back home or work without spreading the infection **before the person gets tested**.

To not elaborate further on details and specificities, I'm finishing by mentioning that if required, I have more information related to the creation of "**Safe Spaces.**"

You can contact me directly or visit my web page and access the links that can take you to the product I developed, the sections with the information related to Science and the area with questions and answers.

You will find more details on how to live a "**normal**" life and be calm in the middle of a pandemic, protecting your family with precise measures and strategies for your home, office, etc., and thus avoid **germ cross-contamination.**

We do not need to **get locked down.**

We need to follow a **reliable and doable strategy.**

For more information, please contact me.

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