



Ascended Health

Corona Virus Strategies

Disclaimers

Any information provided in this talk is meant for research, education and informational purposes only.

It is in no way intended to be used as a substitute for professional medical advice, diagnosis or treatment.

I invite all researchers and caregivers to research all information given.



About

My degree is in Microbiology, in addition to Medical School training.

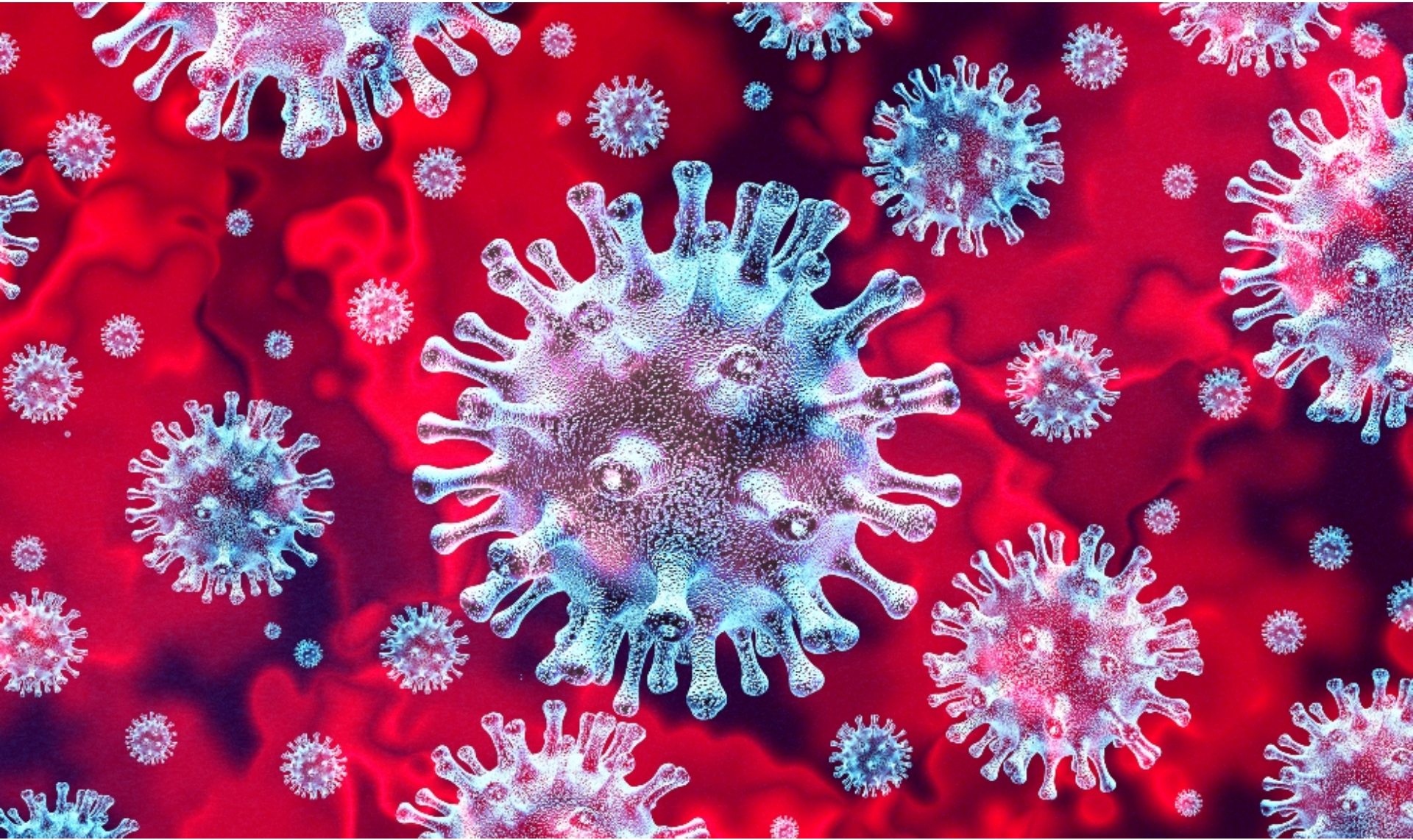
I take the approach that all microbes play an important role in the ecosystem we call the human body.

The products developed in our lab are meant to help the body & the microbes within the body along the path of self-regeneration.

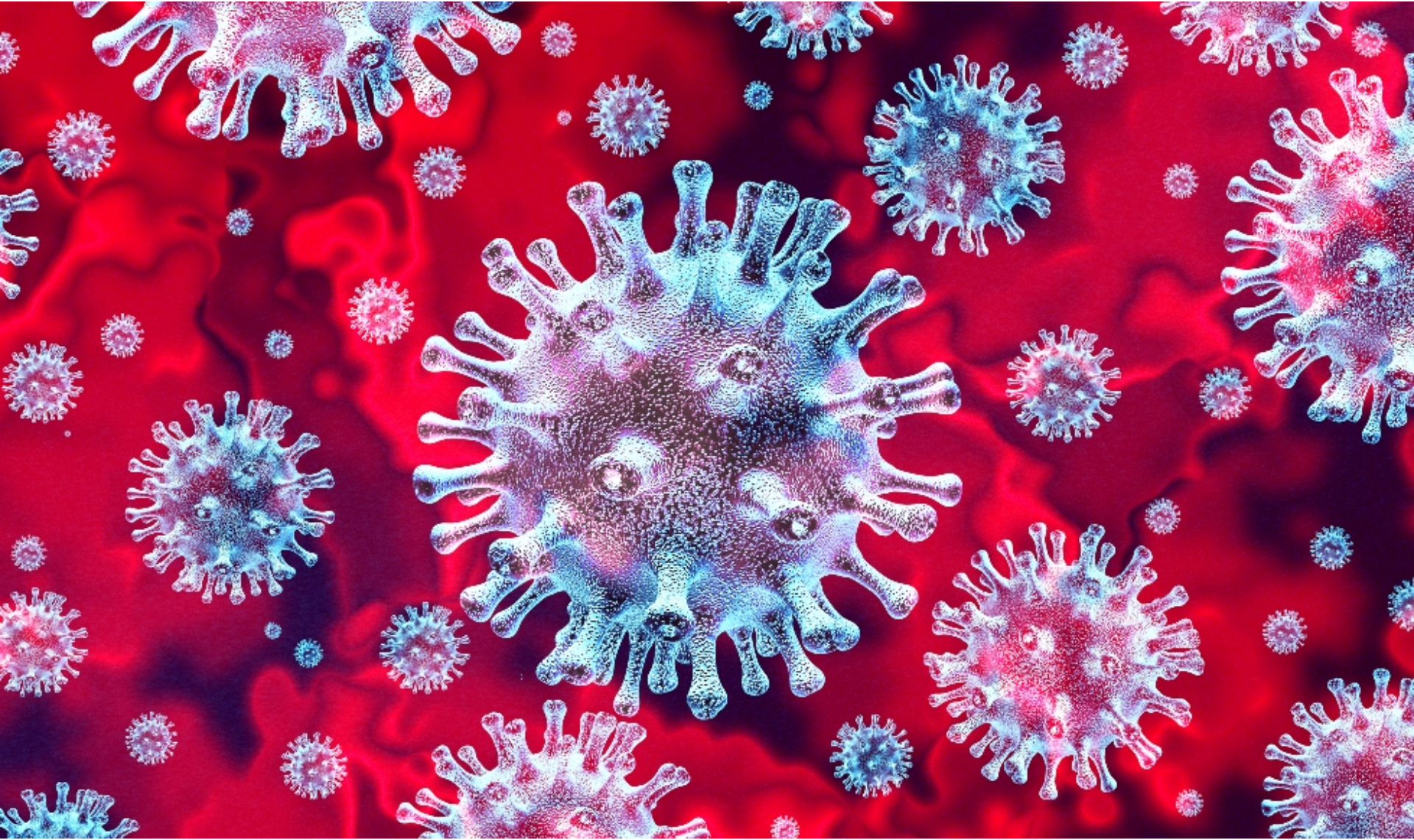
A few Ascended Health products, as well as others, will be presented in this talk.



Corona Virus – What we know now



Corona Virus – What we know now



FAQS

What is the nature of the Corona Virus?

- ❖ Common family of viruses that cause what we consider the “common cold”
- ❖ We all have been infected many, many times by corona viruses

How is this Corona Virus different?

- ❖ Viruses attack all living things, including bacteria, fungi, plants and animals. Most are species-specific.
- ❖ The Wuhan Corona Virus, like the 2003 SARS virus apparently jumped from animal to a human
- ❖ When this happens, the virus is unstable and can cause more severe reactions at first
- ❖ COVID-19 seems to have a higher affinity for people than the previous SARS corona virus strain

Should we be concerned?

- ❖ Viruses want to live and spread, they have no incentive to kill their host (i.e. people).
- ❖ We are witnessing the birth of what a virus is like adjusting to infecting Human Beings.
- ❖ With adequate prevention, proactive measures and calm, we can persevere through this.

Why is it called the Corona Virus?

- ❖ They have “Spikes” that cover the virus and act as grappling hooks to attach
- ❖ It looks like a Corona/Crown

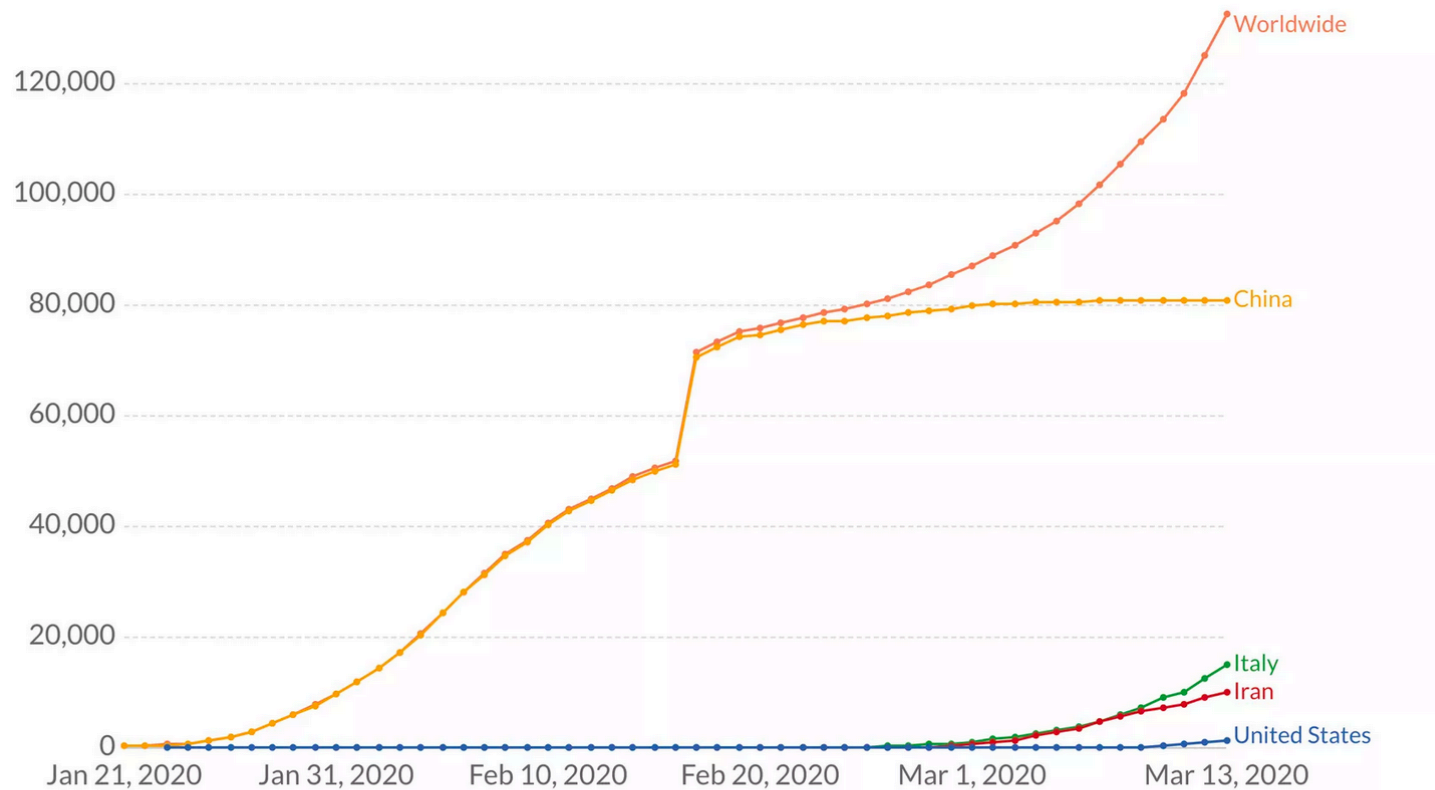


The COVID-19 is spreading rapidly

Total confirmed COVID-19 cases

The large increase in the number of cases globally and in China on Feb 17 is the result of a change in reporting methodology.

It is explained at OurWorldInData.org/Coronavirus



Source: World Health Organization daily Situation Reports [COVID-19]

OurWorldInData.org/coronavirus • CC BY

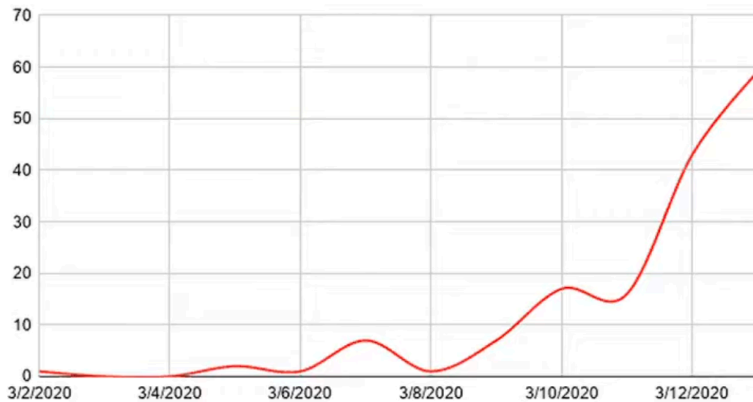
Max Roser and Hannah Ritchie/Our World in Data



It is just starting here in the US

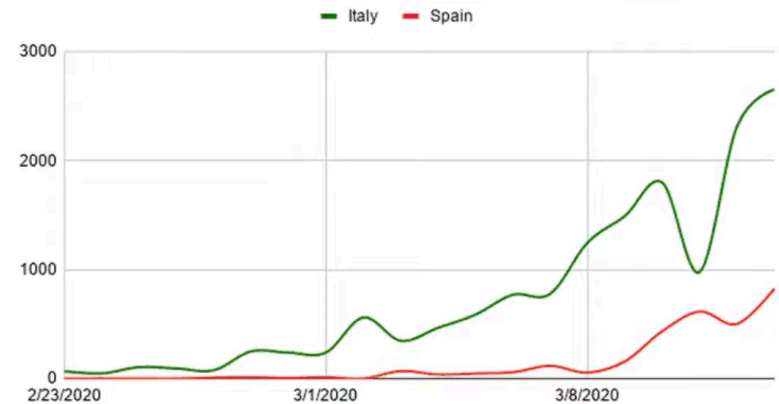
DAILY NEW CONFIRMED CASES

NEW YORK CITY



SOURCE: DR. DAVID HO/COLUMBIA UNIVERSITY

EUROPE

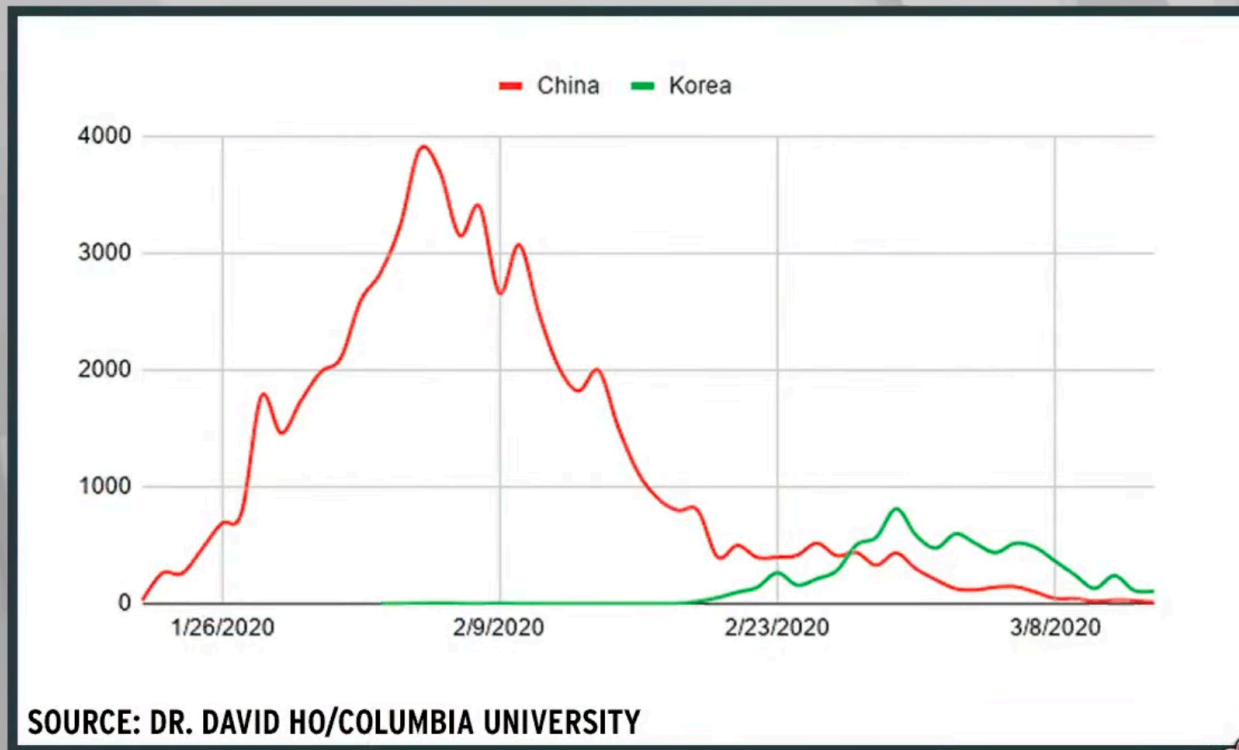


SOURCE: DR. DAVID HO/COLUMBIA UNIVERSITY

NEW cases waning in China due to quarantines

DAILY NEW CONFIRMED CASES

ASIA

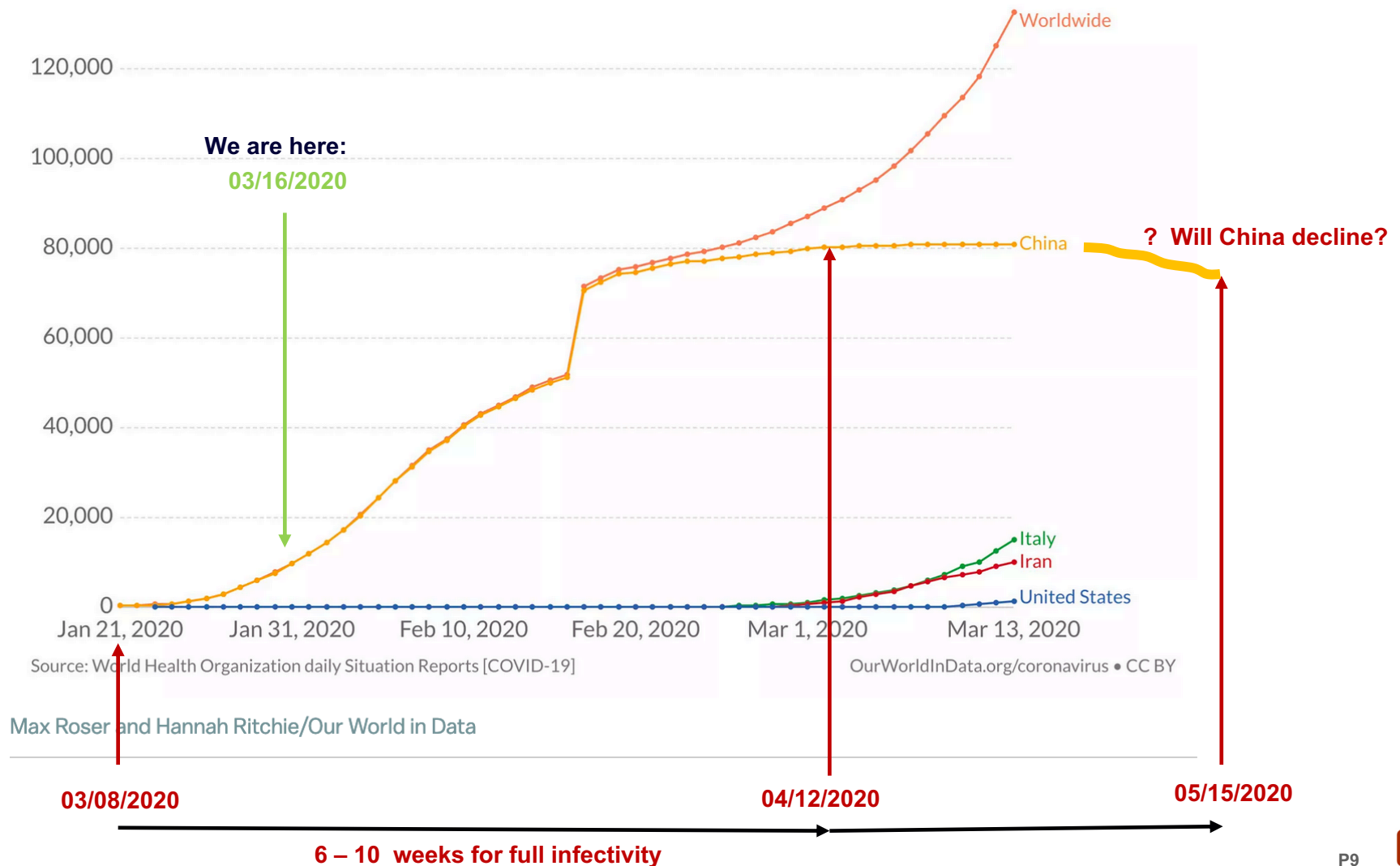


Estimated US peak date: 04/12 to 05/15/2020?

Total confirmed COVID-19 cases

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It is explained at OurWorldInData.org/Coronavirus



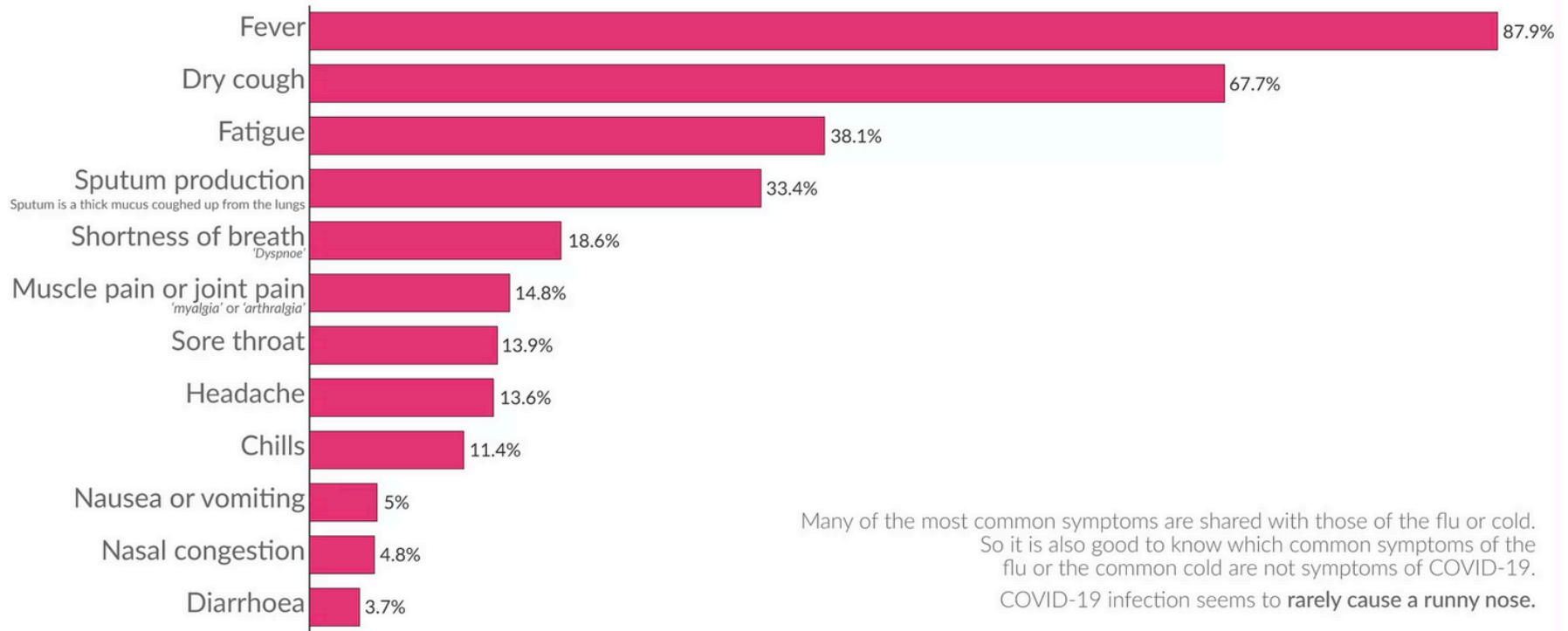
Know the Symptoms

The symptoms of coronavirus disease [COVID-19]

Our World
in Data

The most common signs and symptoms of 55,924 laboratory confirmed cases of COVID-19.

Reported from China in the period up to February 22, 2020



Data source: World Health Organization (2020). Report of the WHO-China Joint Mission on Coronavirus Disease 2019 (COVID-19). Symptoms in fewer than 1% are not shown.

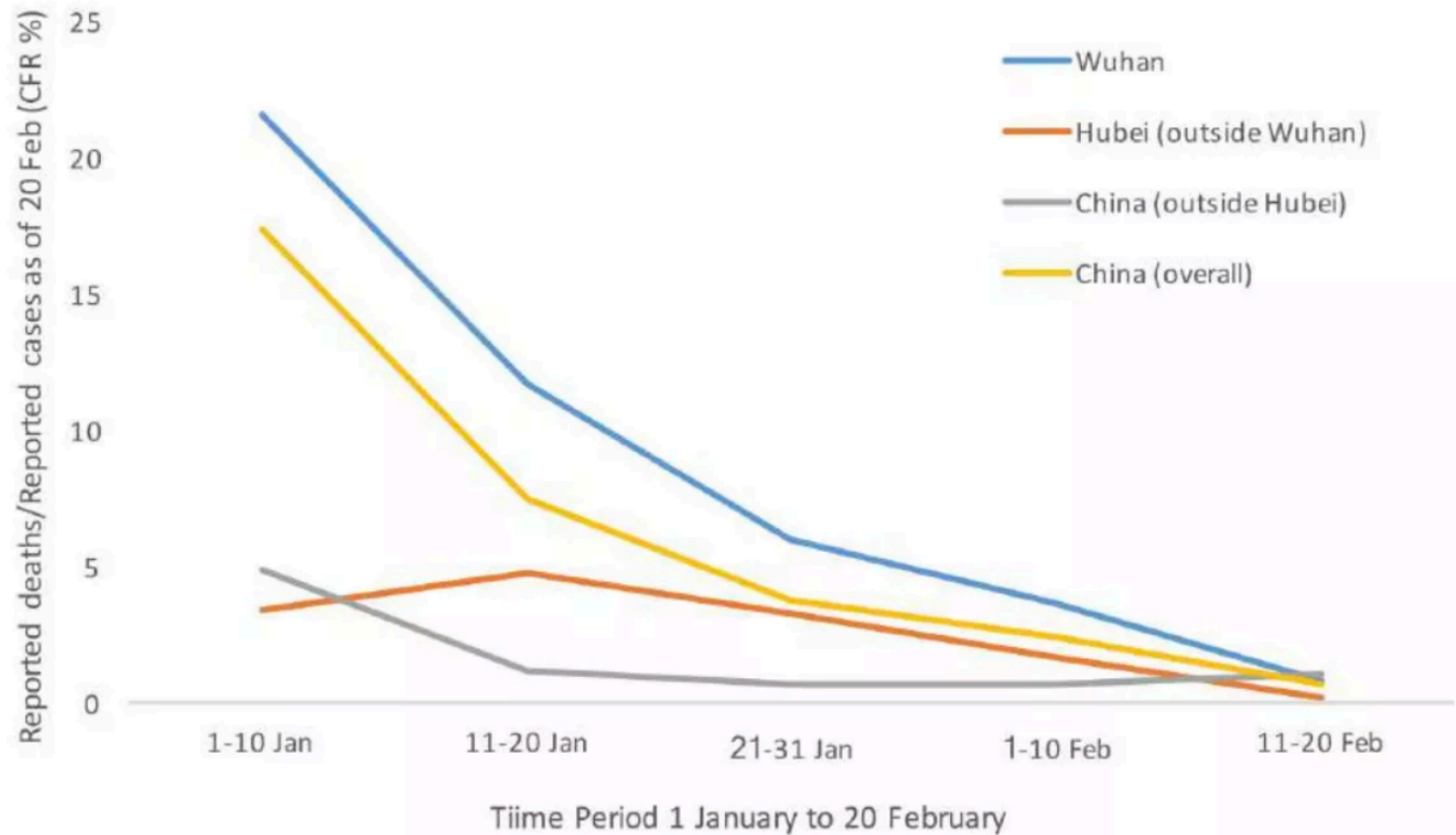
[OurWorldinData.org](https://ourworldindata.org) – Research and data to make progress against the world's largest problems.

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Max Roser and Hannah Ritchie/Our World in Data



Good News: Death Rates in China are dropping



WHO



More Good News

HEALTH

People 'shed' high levels of coronavirus, study finds, but most are likely not infectious after recovery begins

By HELEN BRANSWELL @HelenBranswell / MARCH 9, 2020

People who contract the novel [coronavirus](#) emit high amounts of virus very early on in their infection, according to a new study from Germany that helps to explain the rapid and efficient way in which the virus has spread around the world.

At the same time, the [study](#) suggests that while people with mild infections can still test positive by throat swabs for days and even weeks after their illness, those who are only mildly sick are likely not still infectious by about 10 days after they start to experience symptoms.

The study, by scientists in Berlin and Munich, is one of the first outside China to look at clinical data from patients who have been diagnosed with Covid-19, the disease caused by the coronavirus, and one of the first to try to map when people infected with the virus can infect others.

<https://www.statnews.com/2020/03/09/people-shed-high-levels-of-coronavirus-study-finds-but-most-are-likely-not-infectious-after-recovery-begins/>

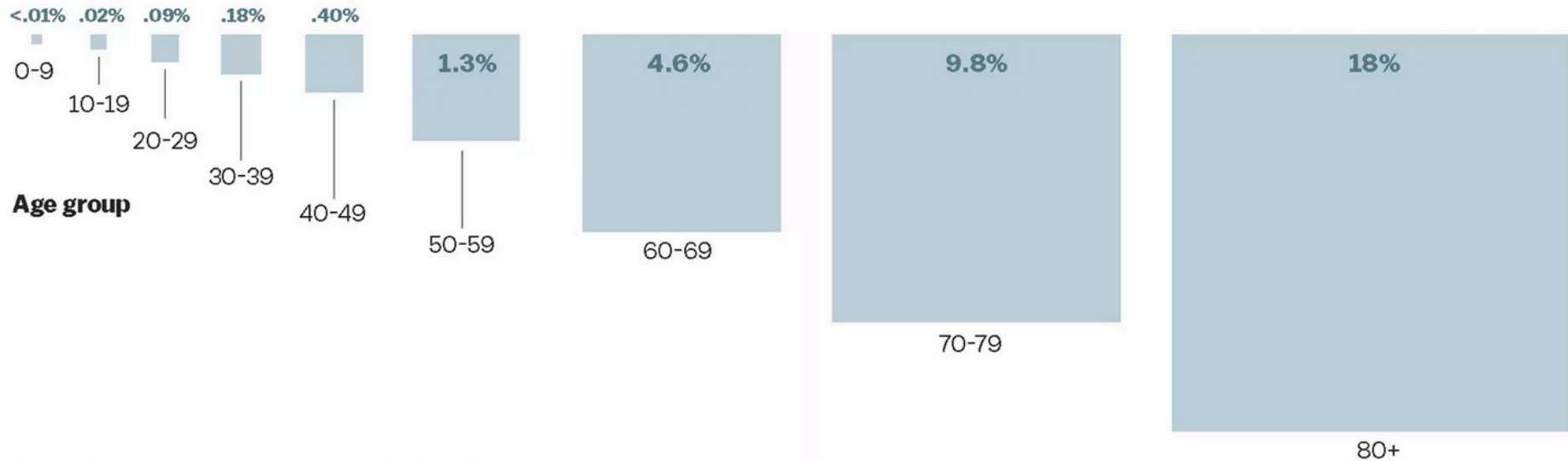


Older people are affected

Covid-19's case fatality rate increases with age, according to China's data

Estimated case fatality risk in Hubei, China, January-February 2020

Case fatality ratio*



*Among all symptomatic and asymptomatic infections

Source: *Adjusted age-specific case fatality ratio during the Covid-19 epidemic in Hubei, China, January and February 2020*, medRxiv

Vox

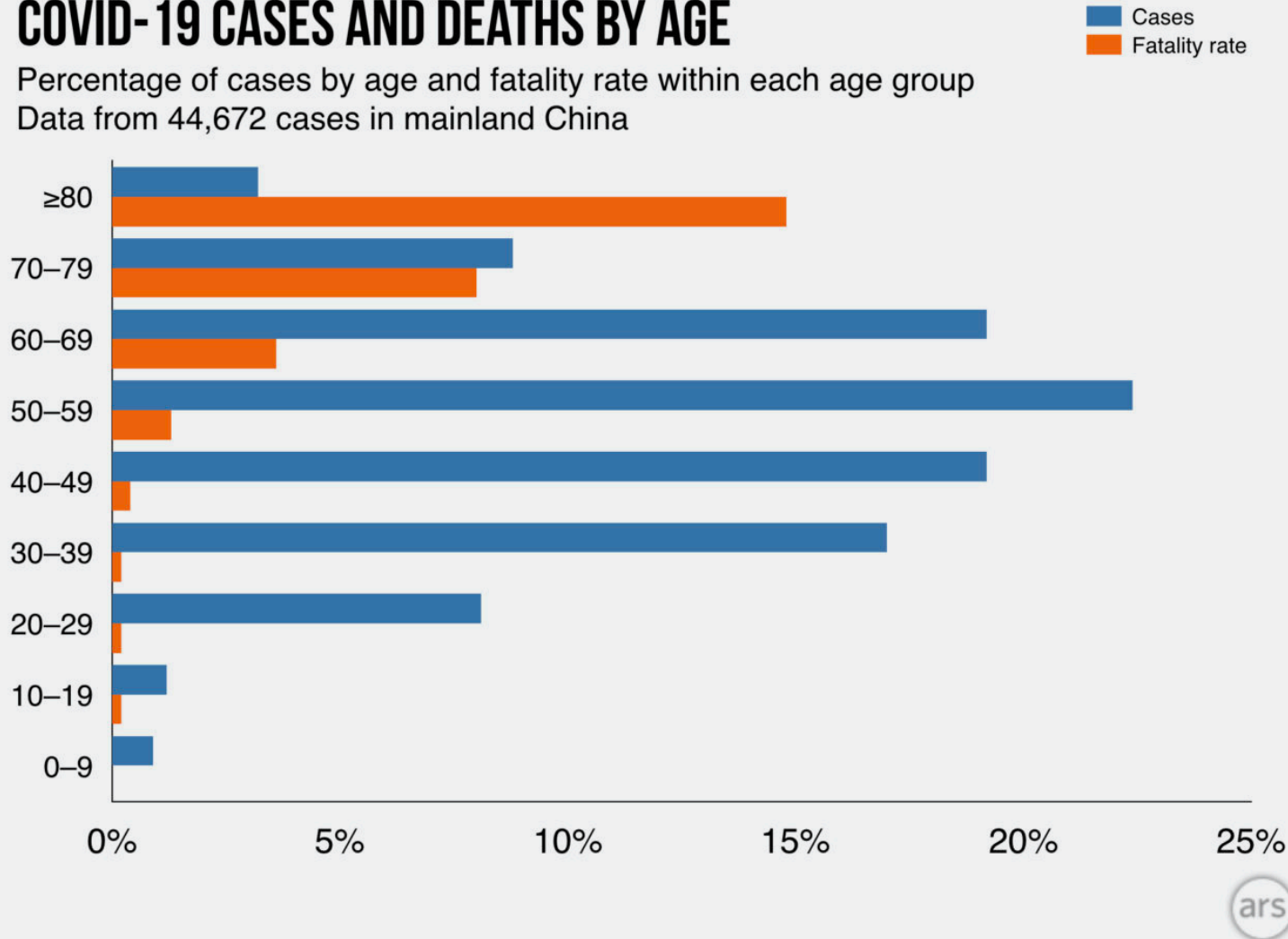
Christina Animashaun/Vox



Millenials are calling this the “Boomer-buster”

COVID-19 CASES AND DEATHS BY AGE

Percentage of cases by age and fatality rate within each age group
Data from 44,672 cases in mainland China



Enlarge / Graph showing the percentage of cases by age group (blue) and the fatality rates within each age group (orange).

This is much more severe than regular Flu

Case fatality rates: COVID-19 vs. US Seasonal Flu

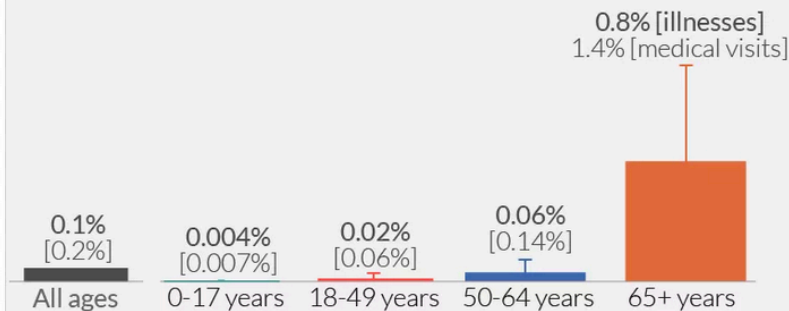
Case fatality rate (CFR) is specific to a location and time. It is calculated by dividing the total number of deaths from a disease by the number of confirmed cases.

Our World
in Data

Seasonal Flu

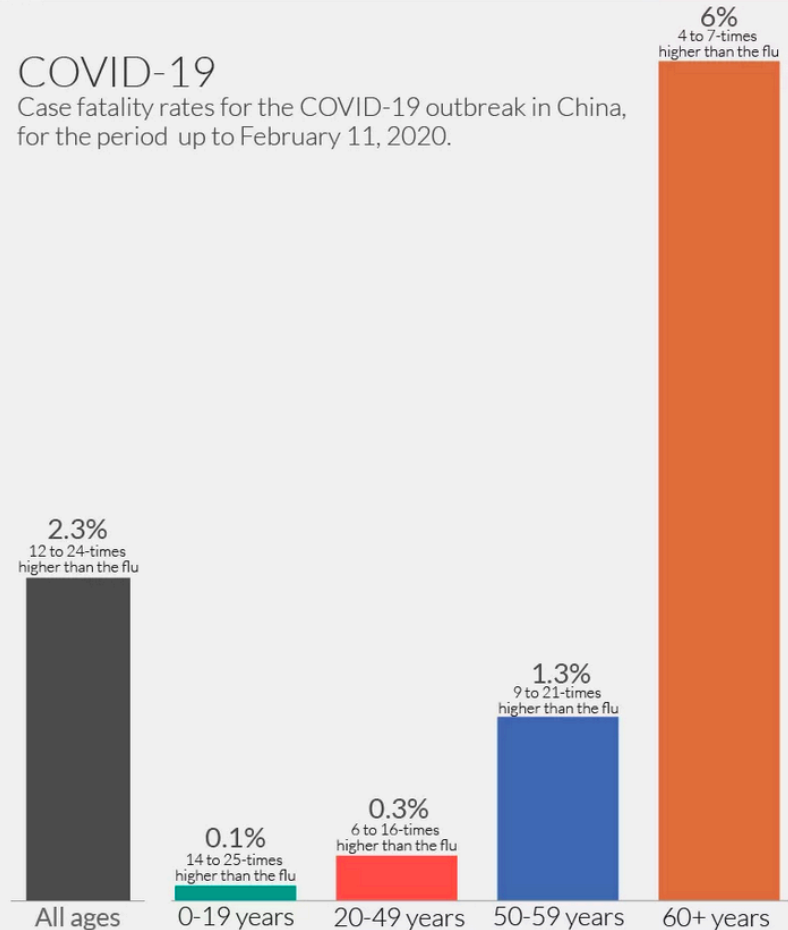
Case fatality rates for the influenza season 2018-19 in the USA.

Symptomatic cases are calculated based on models which aim to account for underreporting – figures based on medical visits are therefore also shown in square brackets, which may be a closer comparison to COVID-19 case fatality rates.



COVID-19

Case fatality rates for the COVID-19 outbreak in China, for the period up to February 11, 2020.



Data: Novel Coronavirus Pneumonia Emergency Response Epidemiology Team. *Vital surveillances: the epidemiological characteristics of an outbreak of 2019 novel coronavirus diseases (COVID-19)—China, 2020.* China CDC Weekly.
US Influenza data is sourced from the US Centers for Disease Control and Prevention (CDC).

OurWorldinData.org – Research and data to make progress against the world's largest problems.

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Paper Money and Coins carry the Corona Virus

MONEY LAUNDERING, FOR REAL

China is literally cleaning its money to stop the spread of coronavirus

✦ Member exclusive by [Chase Purdy](#)

As the Chinese government continues its effort to slow the spread of the deadly coronavirus, the country's central bank at a press conference today (Feb. 15) [told media](#) it was going to begin literally cleaning its currency.

It's an extreme move that makes sense. Whether it's dollars, pounds, euros, shekels, or in this case yuan, currency is notoriously dirty. [A 2017 study](#) (pdf) of \$1 bills in New York found some 397 bacterial species living on the surface. And when someone with the flu handles it, that virus has been shown to survive for up to 12 days.

Taking ibuprofen 'could make the coronavirus even worse'

 Comment



Sam Corbishley Tuesday 17 Mar 2020 10:28 am



1.4k
SHARES



Experts have recommended taking paracetamol over ibuprofen to treat symptoms of Covid-19 (Picture: Splash/MEN)

The NHS is no longer advising coronavirus patients or those showing symptoms to take ibuprofen after experts urged the over-the-counter painkiller could potentially exacerbate the illness.

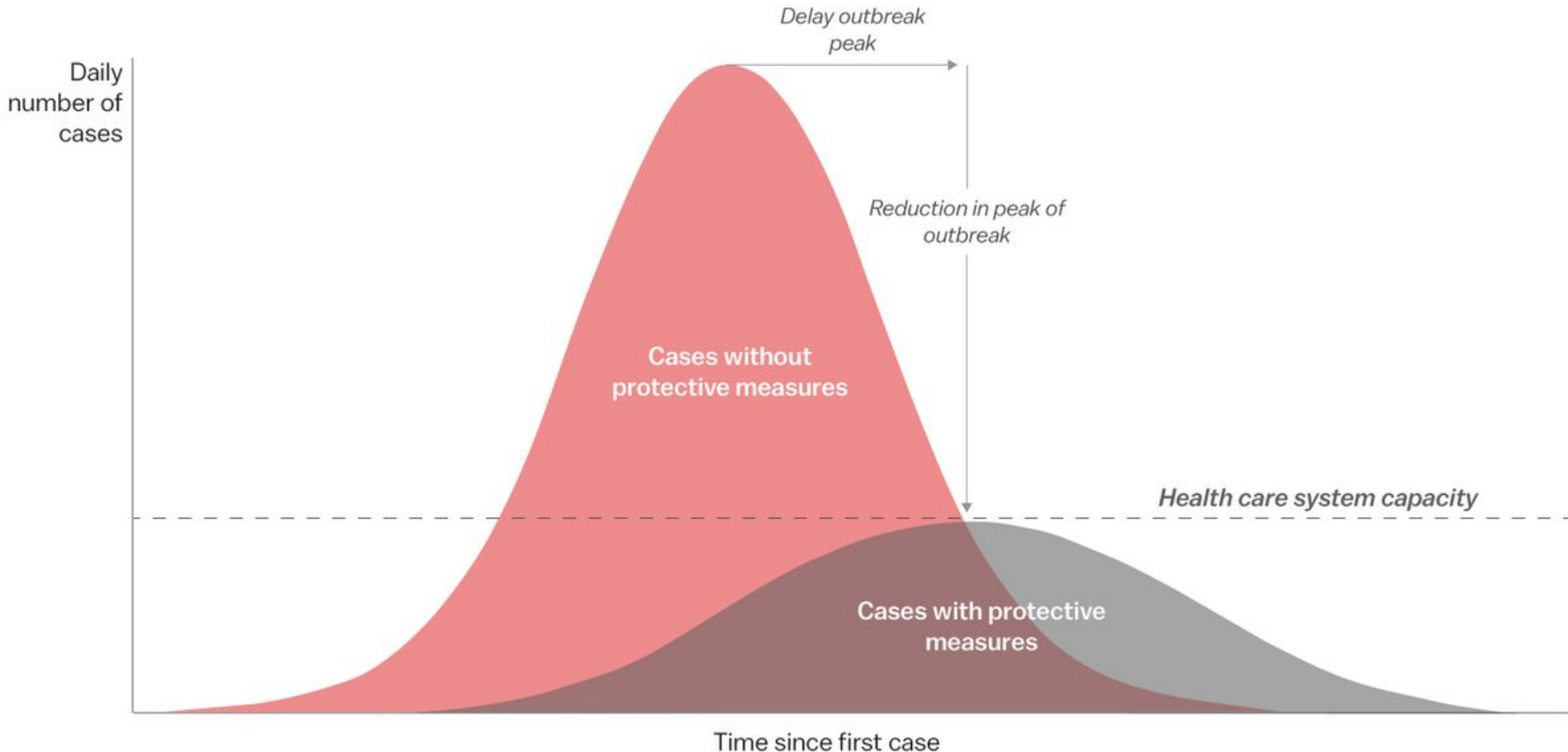
French authorities were the first to issue the caution, with health minister Olivier Veran – also a qualified doctor and neurologist – tweeting over the weekend that ‘the taking of anti-inflammatories could be a factor in aggravating the infection’.

He added: ‘In case of fever, take paracetamol. If you are already taking anti-inflammatory drugs, ask your doctor’s advice’



Why self-quarantining is so important

Flattening the curve



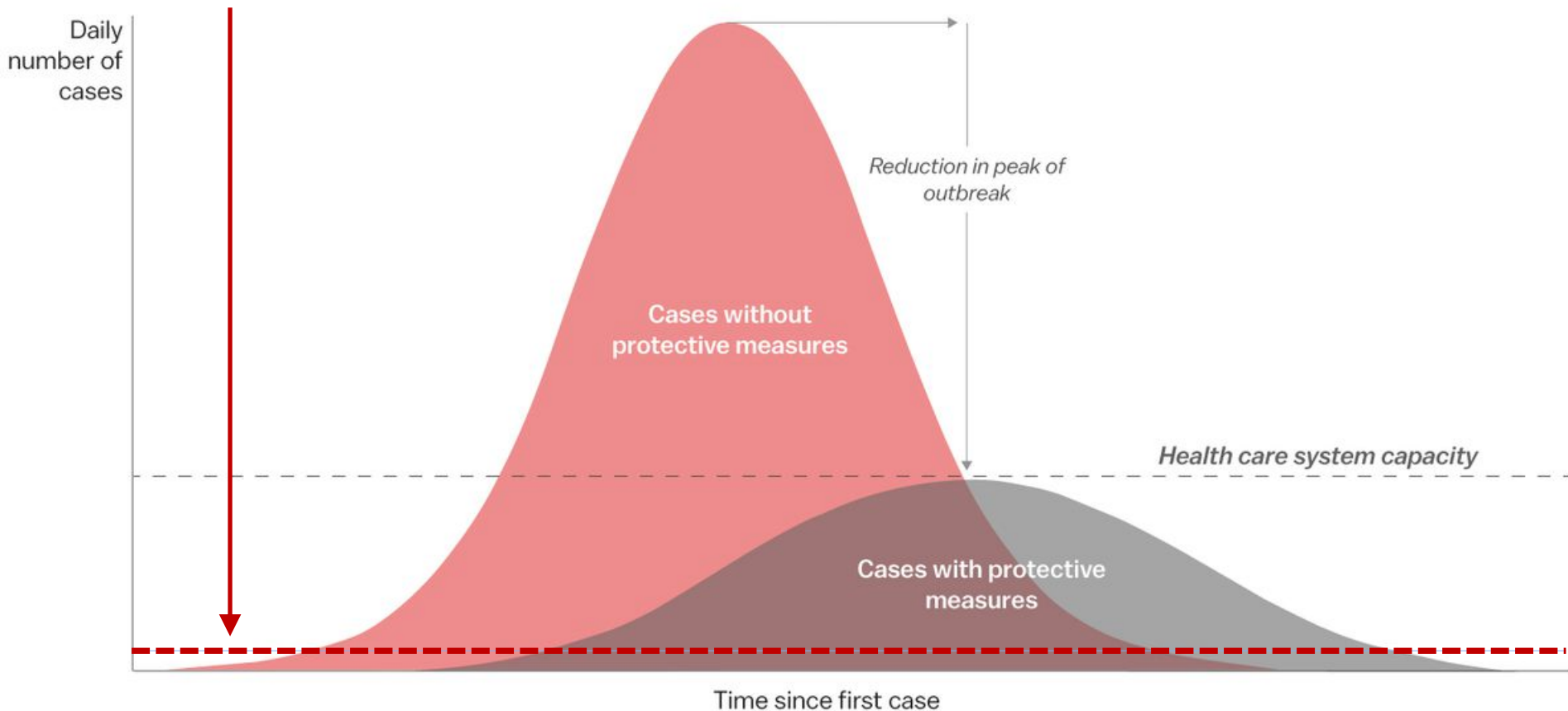
Source: CDC

Staying home helps prevent the US Healthcare System from being overloaded



Our Mission: Can we improve our approach to this?

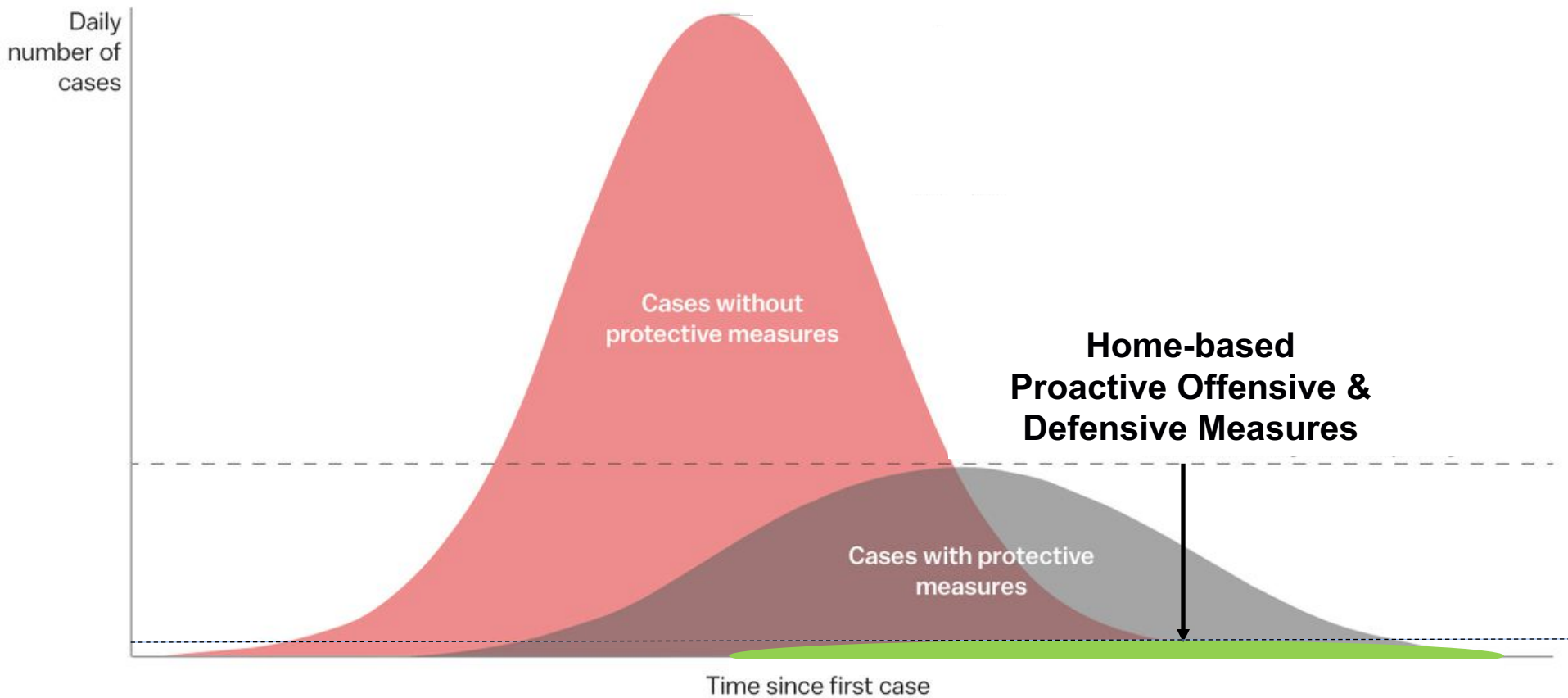
~~Flattening the curve~~ Eliminate



Source: CDC



How to Eliminate the Curve



Source: CDC



Part 2 - Eliminate the Curve

Basic Levels of Immunity **0**



6 Basic Levels of Immunity

1. Belief System

- ❖ Placebo & Nocebo Effect
- ❖ Are you FEAR-based (Stressed) or EMPOWERED (Determined)?

2. Physical Barriers

- ❖ Social Distancing & Hygiene (washing hands every hour, cleaning cellphones/keys, taking off shoes)
- ❖ Skin, Lungs, Mouth, Stomach Acids & Digestive Tract – our natural barriers of entry we need to honor

3. Nutrition & Environment

- ❖ Nutritious food vs. Empty/Toxic food
- ❖ EMF hygiene

4. Microbiome

- ❖ SCFAs, Bacteriocins, Fungicins, Virucins

5. Cellular Immune System

- ❖ White Blood Cells: Macrophages, Neutrophils, Eosinophils
- ❖ T-cells: Cytokines, Interferons

6. Humoral Immune System

- ❖ B-cells: Antibodies



6 Basic Levels of Immunity

1. Belief System

- ❖ Placebo & Nocebo Effect

2. Physical Barriers

- ❖ Social Distancing & Hygiene
- ❖ Skin, Lungs, Mouth, Stomach Acids & Digestive Tract – our natural barriers of entry

Flattening the Curve:

1. Self-Quarantine
2. Be responsible

3. Nutrition

- ❖ Nutritious food vs. Empty/Toxic food
- ❖ Nature & Sunshine

4. Microbiome

- ❖ SCFAs, Bacteriocins, Fungicins, Virucins

5. Cellular Immune System

- ❖ White Blood Cells: Macrophages, Neutrophils, Eosinophils
- ❖ T-cells: Cytokines, Interferons

6. Humoral Immune System

- ❖ B-cells: Antibodies



Eliminating the Curve: Proactive measures

1. Belief System

- ❖ Placebo & Nocebo Effect

2. Physical Barriers

- ❖ Social Distancing & Hygiene
- ❖ Skin, Lungs, Mouth, Stomach Acids & Digestive Tract – our natural barriers of entry

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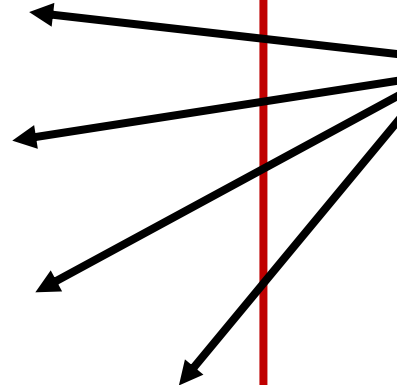
- ❖ White Blood Cells: Macrophages, Neutrophils, Eosinophils
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6. Humoral Immune System

- ❖ B-cells: Antibodies

Proactive Measures:

1. Devices
2. Supplementation
3. Fermentation



2 Approaches: Offensive and Defensive

Offensive: Seek & Eliminate

- ❖ General approach
 - ❖ Devices – Medical Ozone, Electricity
- ❖ Targeted approach
 - ❖ Vaccines – (none)
 - ❖ Antivirals - HIV
 - ❖ Natural Supplements that target Corona Virus

Defensive: Prevention

- ❖ Build the Levels of Immunity:
 - ❖ Real Nutrition
 - ❖ Build a Diverse Microbiome
 - ❖ Supplement to activate Cellular & Humoral Immune System
 - ❖ Belief System, Purpose in Life
 - ❖ Social Interaction
 - ❖ EMF Protection
 - ❖ Hygiene: Washing hands every hour, Cleaning cellphones, taking off shoes



Proactive Measures to Eliminate the Curve

Medical Ozone **1**



Medical Ozone

Pros:

- ❖ Proven to inactivate viruses on contact
- ❖ Relatively Inexpensive

Cons:

- ❖ Too much can harm the body
- ❖ Can speed up progression of some clinical diseases
- ❖ Inconvenient to use, Ozone gas is noxious to breathe in

Ozonated Water is cleansing Coins & Paper Money

- ❖ China is ordering people to burn their cash and turn in their coins

15min Ozone Shock Treatment will sterilize all surfaces in room

Ozonated Water is a healthy replacement for Bleach



EPA: Ozone eliminates Viruses

United States
Environmental Protection
Agency

Office of Water
Washington, D.C.

EPA 832-F-99-063
September 1999



Wastewater Technology Fact Sheet Ozone Disinfection

Ozone is a very strong oxidant and virucide. The mechanisms of disinfection using ozone include:

- Direct oxidation/destruction of the cell wall with leakage of cellular constituents outside of the cell.
- Reactions with radical by-products of ozone decomposition.
- Damage to the constituents of the nucleic acids (purines and pyrimidines).

Viruses

Enteroviruses (72 types, e.g., polio, echo, and coxsackie viruses)	Gastroenteritis, heart anomalies, meningitis
Hepatitis A virus	Infectious hepatitis
Norwalk agent	Gastroenteritis
Rotavirus	Gastroenteritis

Source: Adapted from Crites and Tchobanoglous, 1998.

<https://www3.epa.gov/npdes/pubs/ozon.pdf>



Ozone therapy: A clinical review

[A. M. Elvis](#) and [J. S. Ekta](#)

► [Author information](#) ► [Copyright and License information](#) [Disclaimer](#)

This article has been [cited by](#) other articles in PMC.

Abstract

Go to: 

Ozone (O₃) gas discovered in the mid-nineteenth century is a molecule consisting of three atoms of oxygen in a dynamically unstable structure due to the presence of mesomeric states. Although O₃ has dangerous effects, yet researchers believe it has many therapeutic effects. Ozone therapy has been utilized and heavily studied for more than a century. Its effects are proven, consistent, safe and with minimal and preventable side effects. Medical O₃ is used to disinfect and treat disease. Mechanism of actions is by inactivation of bacteria, viruses, fungi, yeast and protozoa, stimulation of oxygen metabolism, activation of the immune system. Medication forms in a gaseous state are somewhat unusual, and it is for this reason that special application techniques have had to be developed for the safe use of O₃. In local applications as in the treatment of external wounds, its application in the form of a transcutaneous O₃ gas bath has established itself as being the most practical and useful method, for example at low (sub-atmospheric) pressure in a closed system guaranteeing no escape of O₃ into the surrounding air. Ozonized water, whose use is particularly known in dental medicine, is optimally applied as a spray or compress. Diseases treated are infected wounds, circulatory disorders, geriatric conditions, macular degeneration, viral diseases, rheumatism/arthritis, cancer, SARS and AIDS.



Inactivation of Influenza Virus by Ozone Gas

TANAKA Hiroshi : P. E. Jp, Chemical Engineering Department, Products Development Center, Corporate Research & Development

SAKURAI Miei : Doctor of Engineering, Senior Researcher, Chemical Engineering Department, Products Development Center, Corporate Research & Development

ISHII Kousuke : Doctor of Engineering, Senior Researcher, Chemical Engineering Department, Products Development Center, Corporate Research & Development

MATSUZAWA Yoshiaki : Doctor of Engineering, Manager, Chemical Engineering Department, Products Development Center, Corporate Research & Development

More than 99.99% of influenza A virus particles attached to a plastic carrier were inactivated by exposure to 10 ppm (V/V) - ozone gas for 210 min at 23 to 29°C and a relative humidity of 64 to 65%. When the virus was exposed to 20 ppm (V/V) - ozone gas for 150 min, more than 99.999% was inactivated. In contrast, the virus remained active after 10 hours under similar conditions without ozone gas. These data suggest that office disinfection against influenza viruses might be accomplished by ozone gas fumigation during night-time hours.

1. Introduction

Cases of humans becoming infected with a particularly virulent type of the avian influenza (bird flu) virus have been confirmed in recent years, and a global outbreak of human infection with a new influenza virus of swine origin has occurred in 2009. Now concerns are growing over the possibility of an influenza pandemic being caused by a highly virulent virus. In order to prevent infection, various methods for inactivating such a virus (to eliminate its infectivity) have been studied. One of the most promising of these is virus inactivation using ozone gas.

of ozone gas to viruses because long-term exposure to ozone gas can degrade some materials.

To prevent influenza infection, measures suited to each possible route of transmission are required. One such route is droplet transmission; that is, transmission via droplets produced by sneezing or coughing. To prevent these droplets from being dispersed in the air, it is recommended that a surgical mask or other suitable face covering be worn.⁽⁴⁾ With contact transmission that occurs via viruses which adhere to the surface of the skin of your hands and fingers or to various objects, however, very little of the virus is dispersed in the air. Consequently, it is difficult to filter them from the air



Medical Ozone treating Ebola Virus

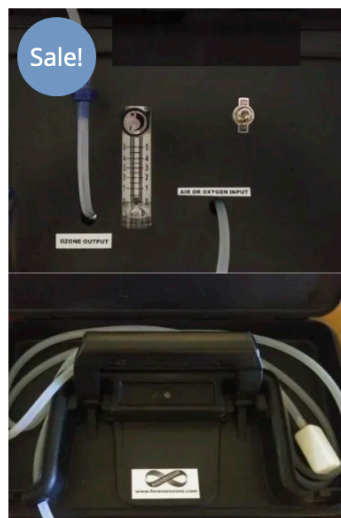
In this new study, several doctors who are proponents of ozone therapy tried it out on four healthcare workers in Liberia with Ebola symptoms (three tested positive for the disease, the other had been exposed to the virus but that patient's tests had still come back negative). For ten days, the researchers gave the patients ozone by infusing it into their blood through their veins, passing it into their rectums, and giving them ozonized water to drink. The researchers write that the patients' symptoms abated after just a few days, and none died--which surprised the researchers, since the survival rate of healthcare workers infected with Ebola was just 40 percent. "Typically, death occurs within a week or less in the majority of cases. In all our ozone treated cases, symptoms did not progress from the start of ozone therapy, and symptomatic patients were totally free of all symptoms, inclusive of fever, generally by day 3 of treatment," the researchers write. Though they haven't tested the mechanism in the lab, the researchers suspect that the ozone damages the surface of the virus so that it can't infect the cells of its host. And, unlike other emerging Ebola treatments, ozone therapy is inexpensive, costing only \$10 per day.

Ozone treatment of Ebola Virus – Pros and Cons



How to use Ozone Devices

Water Ozonator for Ear Insufflation & Ozonated Water



Medical Grade 1000
mgh ozonator
with 93%
Concentrator / USA
Made Glass Aerator

Medical Grade 1000
mg/h Ozonator /
Oxygen Concentrator.
Free S&H.

~~\$999.99~~ **\$599.00**

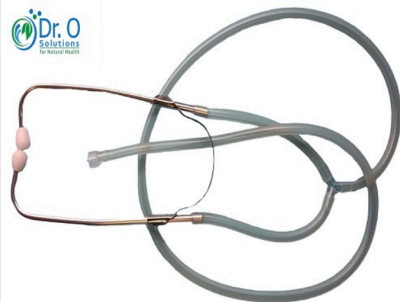
Oxygen Concentrator and 1000 mg/h
ozonator combo makes medical grade ozone.

<https://foreverozone.com/product-category/water-ozonators/>

FOREVEROZONE.com

10% Refund Code:

Mention
"AscendedHealth.com" in
Shopping Cart Notes



Ozone Ear Insufflation Therapy Unit

★★★★★ (6 customer reviews)

Ozone Therapy Ear Insufflation Unit is most effective for therapy for all Eyes, Ears, Nose, Brain and Brain Trauma conditions. It feed oxygen directly to the brain by-passing mucous membranes. You can feel a difference in a minutes during a Therapy Session.

SKU: EIT-1.0.

Categories: All Products, Internal Ozone Therapy Tag: Medical Ozone Therapy

\$ 24.00



Medical Grade Ozonated Water Therapy Kit for Small (Regular Neck) Mason Jars

★★★★★

SKU: MJR-2.0.

Categories: All Products, Water and Oil Ozonation Tags: Water Disinfection, Water Ozonator

\$ 59.00

<https://drosolutions.com/product/ozone-ear-insufflation-therapy-unit/>



How to use Ozone Devices

Room Ozonator for 15 min. Shock Treatment



10,000 mg/h Solid State
Ozone Generator. Free S&H

★★★★☆ (3 customer reviews)

~~\$99.99~~ **\$69.99**

This US-designed solid-state ozone transformer allows for a plug-in ozone generator plate and power cord. It features a lifetime warranty and powers our moisture-resistant 10g ozone plates.

<https://foreverozone.com/product/10000-mg-h-bare-bones-ozone-generator/>

10% Refund Code:

Mention "AscendedHealth.com" in Shopping Cart Notes



Proactive Measures to Eliminate the Curve

Low Voltage – Low Amperage Electricity **2**



Low Voltage - Low Amp Electrical Devices

Pros:

- ❖ Proven to inactivate viruses through skin contact
- ❖ Relatively Inexpensive
- ❖ Very Convenient to use – put it on while you sleep
- ❖ No noxious smell of Ozone

Cons:

- ❖ May slightly irritate the skin if not used properly



Low voltage- low amp Electrical Device patented

In the Fall of 1990, two medical researchers, Drs. William Lyman and Steven Kaali, working at **Albert Einstein College of Medicine** in New York City made an important discovery. They found that they could **inactivate the HIV virus by applying a low voltage direct current** electrical potential with an **extremely small current flow** to AIDS infected blood in a test tube.

- ❖ They applied a direct current to the electrodes and found that a current flow in the range of 50-100 microamperes (uA) produced the most effective results.
- ❖ Practically all of the HIV viral particles were adversely affected while normal blood cells remained unharmed.
- ❖ The viral particles were not directly destroyed by the electric current, but rather the outer protein coating of the virus was affected in such a way as to prevent the virus from producing reverse transcriptase, a necessary enzyme needed by the virus to invade human cells.
- ❖ Lacking reverse transcriptase, the HIV virus can't invade the host cell and it becomes vulnerable to destruction by the body's immune system.
- ❖ Kaali (along with co-inventor Peter Schwolsky) filed for a patent on this implantable electrifying device on Nov 16, 1991 and **nine months later was granted patent #5,139,684** on August 18, 1992.



Patent to treat blood (and viruses) using electricity



US005139684A

United States Patent [19]

[11] **Patent Number:** **5,139,684**

Kaali et al.

[45] **Date of Patent:** **Aug. 18, 1992**

[54] **ELECTRICALLY CONDUCTIVE METHODS AND SYSTEMS FOR TREATMENT OF BLOOD AND OTHER BODY FLUIDS AND/OR SYNTHETIC FLUIDS WITH ELECTRIC FORCES**

FOREIGN PATENT DOCUMENTS

995848 2/1983 U.S.S.R. 210/243

OTHER PUBLICATIONS

Proceedings of the Society for Experimental Biology & Medicine, vol. 161, (1979), pp. 204-209—"Inactivation of Herpes Simples Virus with Methylene Blue, Light and Electricity"—Mitchell R. Swartz et al.
Journal of the Clinical Investigation published by the American Society for Clinical Investigations, Inc., vol. 65, Feb. 1980, pp. 432-438—"Mechanisms of Photodynamic Inactivation of Herpes Simplex Viruses"—Lowell E. Schnipper et al.
Journal of Clinical Microbiology, vol. 17, No. 2, Feb. 1983, pp. 374-376—"Photodynamic Inactivation of Pseudorabies Virus with Methylene Blue Dye, Light and Electricity"—Janine A. Badyisk et al.

Primary Examiner—Robert A. Dawson
Assistant Examiner—Sun Uk Kim
Attorney, Agent, or Firm—Charles W. Helzer

[57] **ABSTRACT**

A new process and system for treatment of blood and/or other body fluids and/or synthetic fluids from a donor to a recipient or storage receptacle or in a recycling system using novel electrically conductive treatment vessels for treating blood and/or other body fluids and/or synthetic fluids with electric field forces of appropriate electric field strength to provide electric current flow through the blood or other body fluids at a magnitude that is biologically compatible but is sufficient to render the bacteria, viruses, and/or fungus ineffective to infect normally healthy cells while maintaining the biological usefulness of the blood or other body fluids. For this purpose the low voltage electric

[76] **Inventors:** **Steven Kaali**, 88 Ashford Ave., Dobbs Ferry, N.Y. 10522; **Peter M. Schwolsky**, 4101 Cathedral Ave., NW., Washington, D.C. 20016

[21] **Appl. No.:** **615,800**

[22] **Filed:** **Nov. 16, 1990**

Related U.S. Application Data

[63] Continuation-in-part of Ser. No. 562,721, Aug. 6, 1990, abandoned.

[51] **Int. Cl.⁵** **B01D 35/06; A61K 41/00**

[52] **U.S. Cl.** **210/748; 128/419 R; 128/421; 128/783; 128/784; 204/131; 204/164; 204/186; 204/302; 210/243; 422/22; 422/44; 604/4**

[58] **Field of Search** 210/748, 243, 764; 128/419 R, 421, 783, 784; 604/4; 422/22, 44; 204/131, 186, 164, 242, 275, 302, 305

[56] **References Cited**

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592,735 10/1897 Jones 204/242
672,231 4/1901 Lacomme 204/275
2,490,730 12/1949 Dubilier 204/305
2,955,076 10/1960 Gossling 195/78
3,692,648 9/1972 Matloff et al. 204/129
3,753,886 8/1973 Myers 204/186

Electrical Devices to treat blood non-invasively



Combo Set : Neopulser with 30ml ProAlive and Active Detox Probiotics

Designed to assist with: **Herpes, Flu, Cold & other systemic viral conditions**

This combo set includes one 30ml of ProAlive and one Active Detox Liquid Probiotic. In our opinion, the Electrical Neopulser is great by itself, and it is even more effective when used simultaneously with Ascended Health Probiotics. We recommend the combo pack for first time Neopulser users.

<https://www.ascendedhealth.com/skin-care/NeoPulser.htm>



Proactive Measures to Eliminate the Curve

Vaccines **3**



Disclaimers

Any information provided in this talk is meant for research, education and informational purposes only.

It is in no way intended to be used as a substitute for professional medical advice, diagnosis or treatment.

I invite all researchers and caregivers to research all information given.



Vaccines – Pros & Cons

Pros:

- ❖ Short-circuits Body's natural mechanisms to counteract a problematic microbe
- ❖ Saves lives
- ❖ Saves Money in the long run (Corona Virus is costing \$USD Trillions)

Cons (according to Statnews.com):

- ❖ **There are no vaccines for COVID-19 available yet**
- ❖ Vaccines often take years to develop
- ❖ May become obsolete once virus evolves (vaccines are static & don't co-evolve)
- ❖ The immune response that vaccines in general produce is often weak

<https://www.statnews.com/2020/03/09/coronavirus-scientists-play-legos-with-proteins-to-build-next-gen-vaccine/>



2 Types of Vaccines – Biological & Synthetic

Biological mRNA Vaccines:

- ❖ Moderna Therapeutics - Phase 1 stage
- ❖ CureVac – Preclinical stage

Biological Adjuvant-based Vaccines:

- ❖ GlaxoSmithKline (working with Clover Biopharma) – Preclinical stage

Biological DNA-based Vaccines:

- ❖ Inovio Pharmaceuticals (working with Beijing Advaccine Biotect) – Preclinical stage
- ❖ Sanofi Pharmaceuticals (mixed hybrid DNA-based Vaccine) - Preclinical

Biological Inactivated Virus-based Vaccines:

- ❖ Johnson & Johnson Pharmaceuticals – Preclinical stage

Synthetic Vaccines:

- ❖ Bill & Melinda Gates Foundation (\$60 M fund for COVID-19 research)
- ❖ No refrigeration needed, billions of doses can be created
- ❖ Vaccine for the masses



CORONAVIRUS

Coronavirus vaccine test opens with 1st doses

Even if the research goes well, a vaccine wouldn't be available for widespread use for 12 to 18 months.



— A pharmacist gives Jennifer Haller the first shot in the first-stage safety study clinical trial of a potential vaccine for COVID-19 on Monday at the Kaiser Permanente Washington Health Research Institute in Seattle. Ted S. Warren / AP

This vaccine candidate, code-named mRNA-1273, was developed by the NIH and Massachusetts-based biotechnology company Moderna Inc. There's no chance participants could get infected from the shots because they don't contain the coronavirus itself.

Proactive Measures to Eliminate the Curve

Targeted Therapeutics **4**



Targeted Therapeutics for Coronavirus

Pros

- ❖ Coronavirus therapy is very similar to HIV & Ebola Therapy
 - ❖ Both HIV and COVID-19 contain same Glycoprotein Spikes on protein coat
- ❖ Success stories in China about treatment of Coronavirus with HIV Therapeutics
- ❖ A tried and tested 50-year old Antimalarial Drug shows promise

Cons

- ❖ There are no specific therapeutics approved by the Food and Drug Administration (FDA) to treat people with COVID-19
- ❖ Challenges of **side effects** to therapeutic medications



Targeted Therapeutics for Coronavirus

Remdesivir (RNA polymerase inhibitor)

- ❖ Antiviral Nucleotide Analog that inhibits viral replication (e.g. Ebola)
- ❖ Gilead Sciences (ex: Tamiflu) – Phase III Clinical Trials
- ❖ Military Times is reporting that “U.S. Army Medical Research and Development Command has signed an arrangement with Gilead Sciences to provide the company’s investigational coronavirus drug to U.S. troops confirmed to have the COVID-19 virus.”
<https://www.dailykos.com/stories/2009/4/27/725102/->

Ritonavir, Lopinavir and ASC09 (HIV Protease Inhibitors)

- ❖ Being used successfully in China, Thailand
- ❖ Prevents virus from fully maturing to replicate

Interferon (T-cell cytokine) w. Kaletra (HIV Protease Inhibitor)

- ❖ Cocktail of the HIV protease inhibitors ritonavir and lopinavir
- ❖ AbbVie (Abbott Labs spinoff)

Chloroquine Phosphate (antimalarial)

- ❖ Changes the pH inside the cell so malaria (and Coronavirus) can’t live
- ❖ FDA approved and been in use for 50 years
- ❖ Being used in China to some success for Coronavirus



Targeted Therapeutic Strategies

Viral Replication Inhibition

- ❖ Remdesivir

Viral Death inside the cell

- ❖ Chloroquine Phosphate

Protease Inhibition

- ❖ Ritonavir
- ❖ Lopinavir
- ❖ ASC09

Why Protease Inhibition?

- ❖ Because Coronavirus has a life cycle very similar to HIV
- ❖ Therefore, therapies successful with HIV are being used for Coronavirus



NEWS RELEASES

Tuesday, February 25, 2020

NIH clinical trial of remdesivir to treat COVID-19 begins

Study enrolling hospitalized adults with COVID-19 in Nebraska.




A randomized, controlled clinical trial to evaluate the safety and efficacy of the investigational antiviral remdesivir in hospitalized adults diagnosed with coronavirus disease 2019 (COVID-19) has begun at the University of Nebraska Medical Center (UNMC) in Omaha. The trial regulatory sponsor is the [National Institute of Allergy and Infectious Diseases \(NIAID\)](#), part of the National Institutes of Health. This is the first clinical trial in the United States to evaluate an experimental treatment for COVID-19, the respiratory disease first detected in December 2019 in Wuhan, Hubei Province, China.





Institute/Center

National Institute of Allergy and Infectious Diseases (NIAID)

Contact

[Jennifer Routh](#) 
301-402-1663

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AMENDED



Business booming for cam girls amid coronavirus outbreak



White House cancels Easter Egg Roll over coronavirus fears



Spring breakers pack Florida beach despite coronavirus pandemic



How Joe Biden and Bernie Sanders say they're warding off coronavirus



HIV drugs are being used as part of coronavirus treatment

By [Tamar Lapin](#)

March 12, 2020 | 9:07pm



Lopinavir and Ritonavir

The drug lopinavir is one of the HIV drugs being used to treat coronavirus.

Universal Images Group via Getty Images

MORE ON: CORONAVIRUS

Hundreds of inmates escape multiple prisons in Brazil during coronavirus

Experts say that far more testing is needed to determine if anti-viral drugs used to battle HIV can be used to treat the growing coronavirus menace, offering notes of caution to hopes raised by the recovery of a New Jersey man who [is crediting his recovery](#) to the powerful drugs.

CORONAVIRUS



50-year old drug showing success

Research | [Open Access](#) | [Published: 22 August 2005](#)

Chloroquine is a potent inhibitor of SARS coronavirus infection and spread

[Martin J Vincent](#), [Eric Bergeron](#), [Suzanne Benjannet](#), [Bobbie R Erickson](#), [Pierre E Rollin](#), [Thomas G Ksiazek](#), [Nabil G Seidah](#) & [Stuart T Nichol](#) 

[Virology Journal](#) **2**, Article number: 69 (2005) | [Cite this article](#)

35k Accesses | **78** Citations | **220** Altmetric | [Metrics](#)

Abstract

Background

Severe acute respiratory syndrome (SARS) is caused by a newly discovered coronavirus (SARS-CoV). No effective prophylactic or post-exposure therapy is currently available.

Results

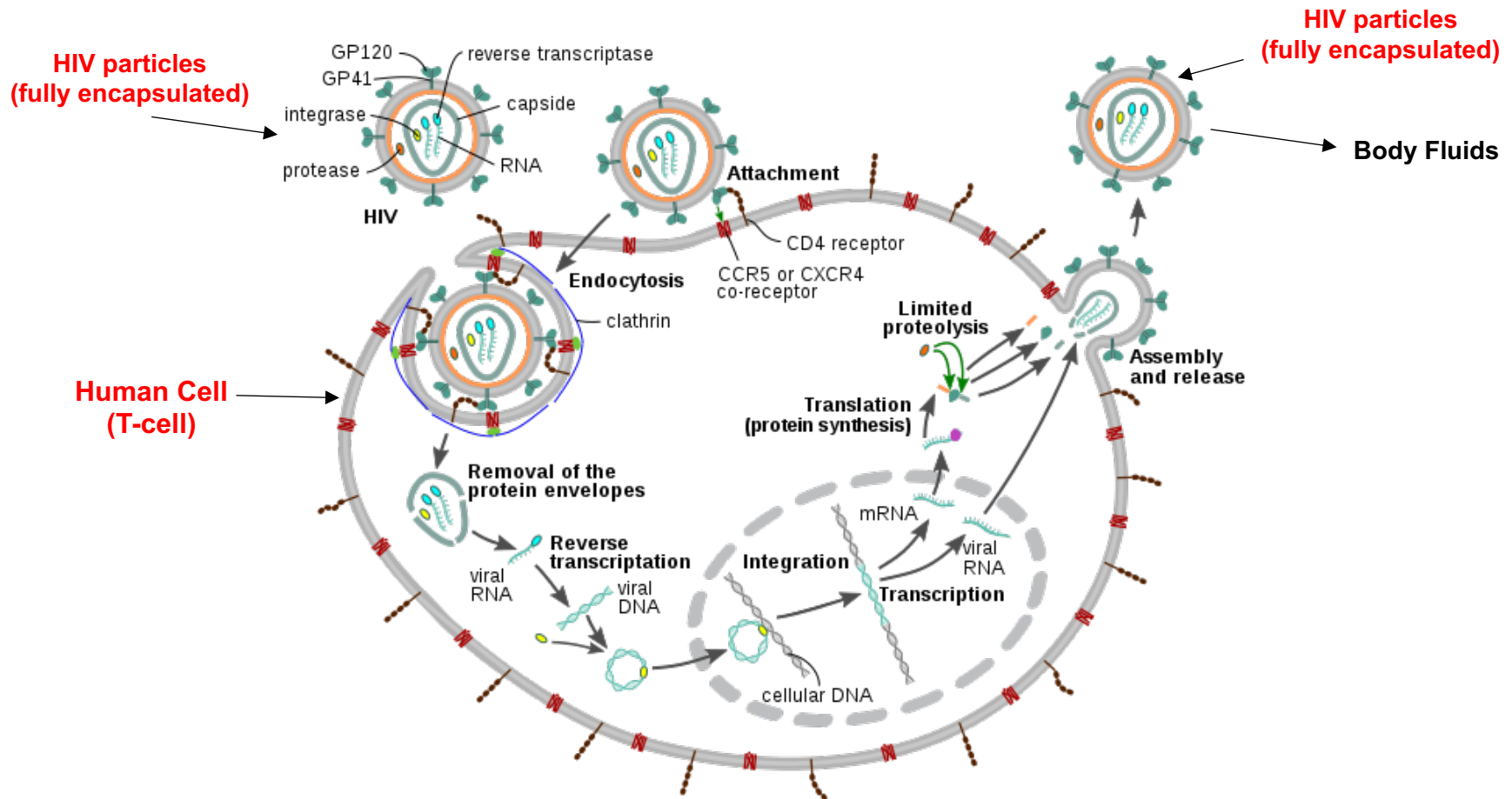
We report, however, that chloroquine has strong antiviral effects on SARS-CoV infection of primate cells. These inhibitory effects are observed when the cells are treated with the drug either before or after exposure to the virus, suggesting both prophylactic and therapeutic advantage. In addition to the well-known functions of chloroquine such as elevations of endosomal pH, the drug appears to interfere with terminal glycosylation of the cellular receptor, angiotensin-converting enzyme 2. This



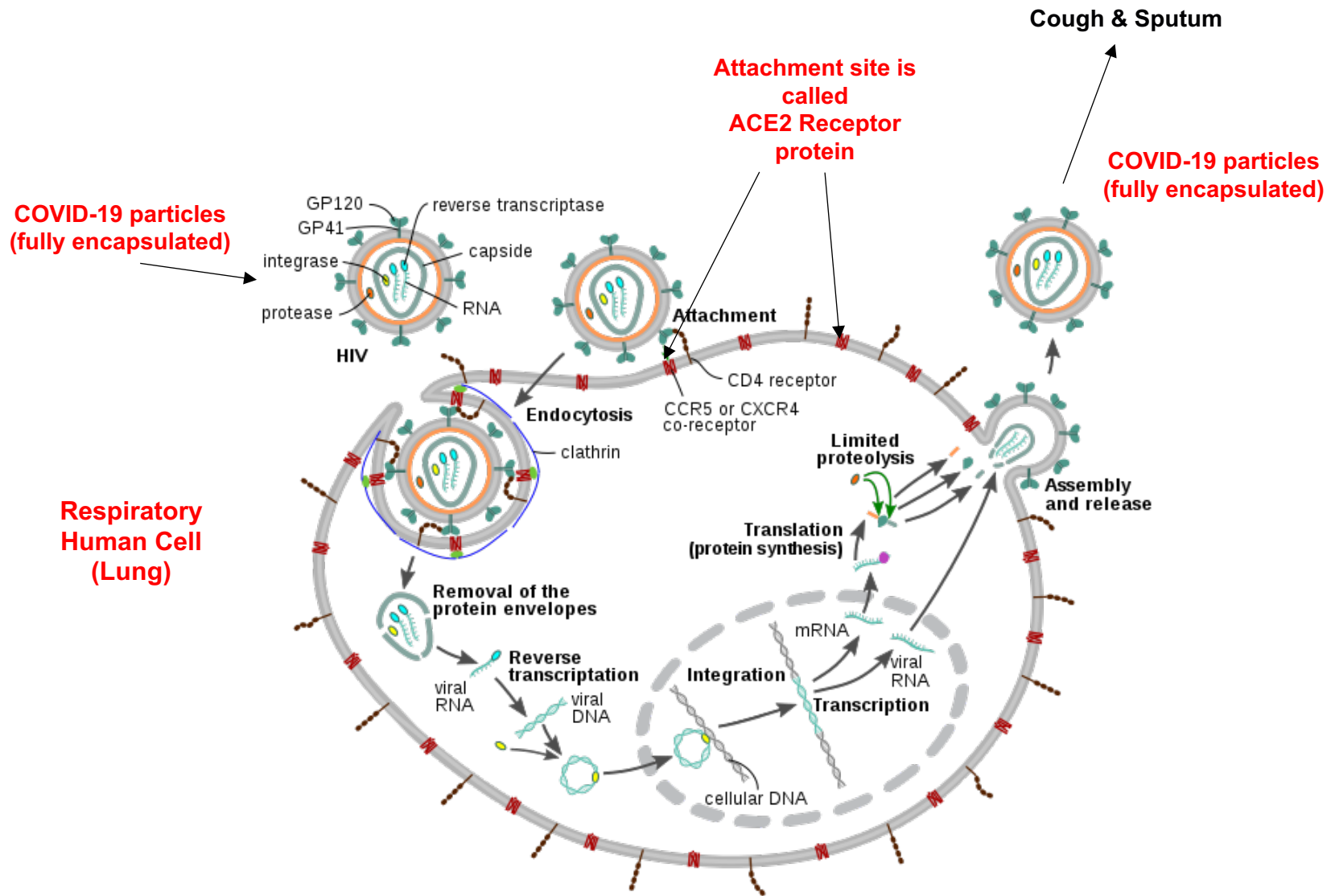
HIV Strategic Therapies

Fact: Viruses hijack a host cell's machinery to faithfully reproduce themselves

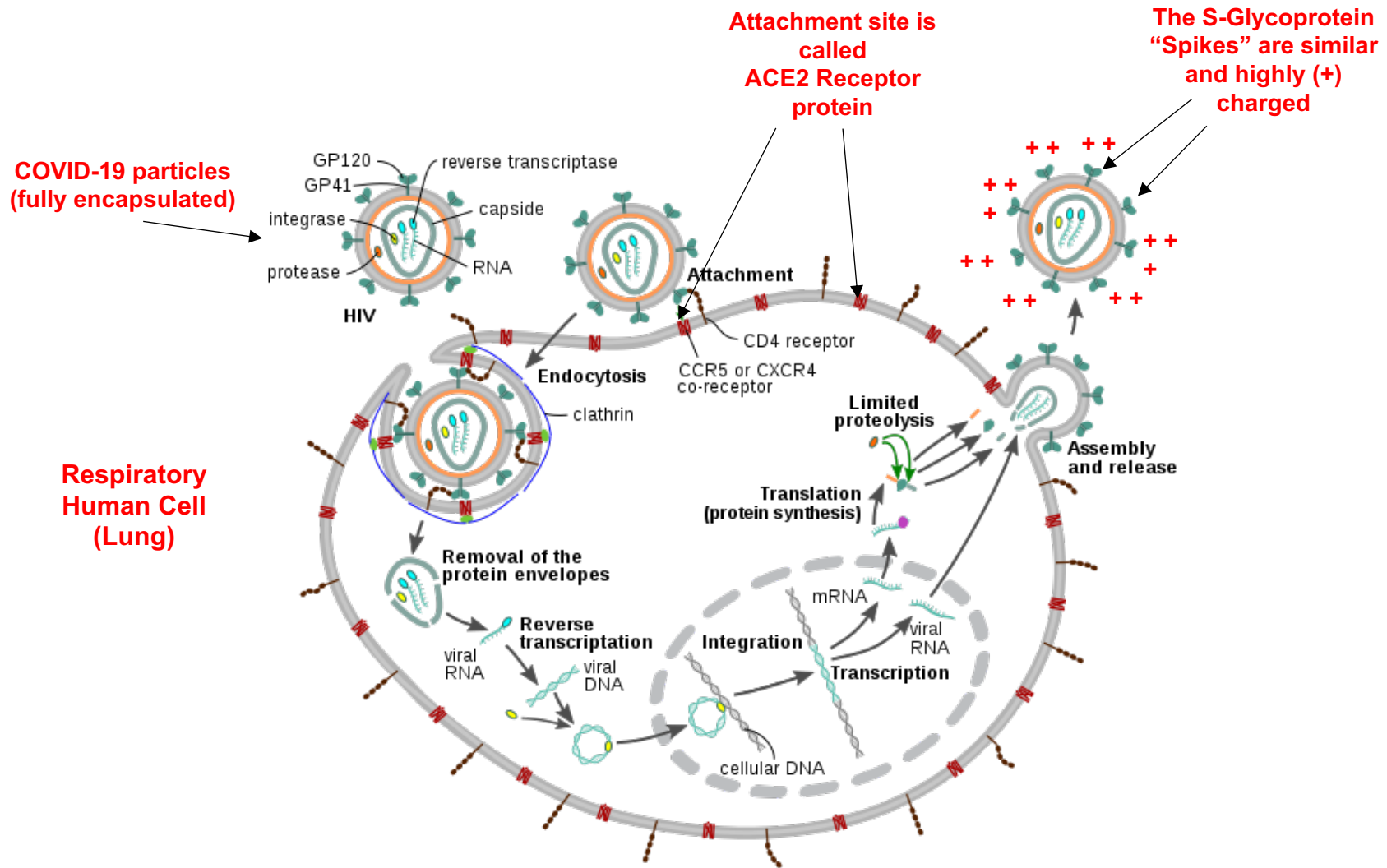
- ❖ **Strategy: STOP the hijacking**
- ❖ **Protease Inhibitors STOP the **enzyme** that help the virus produce their viral packaging**



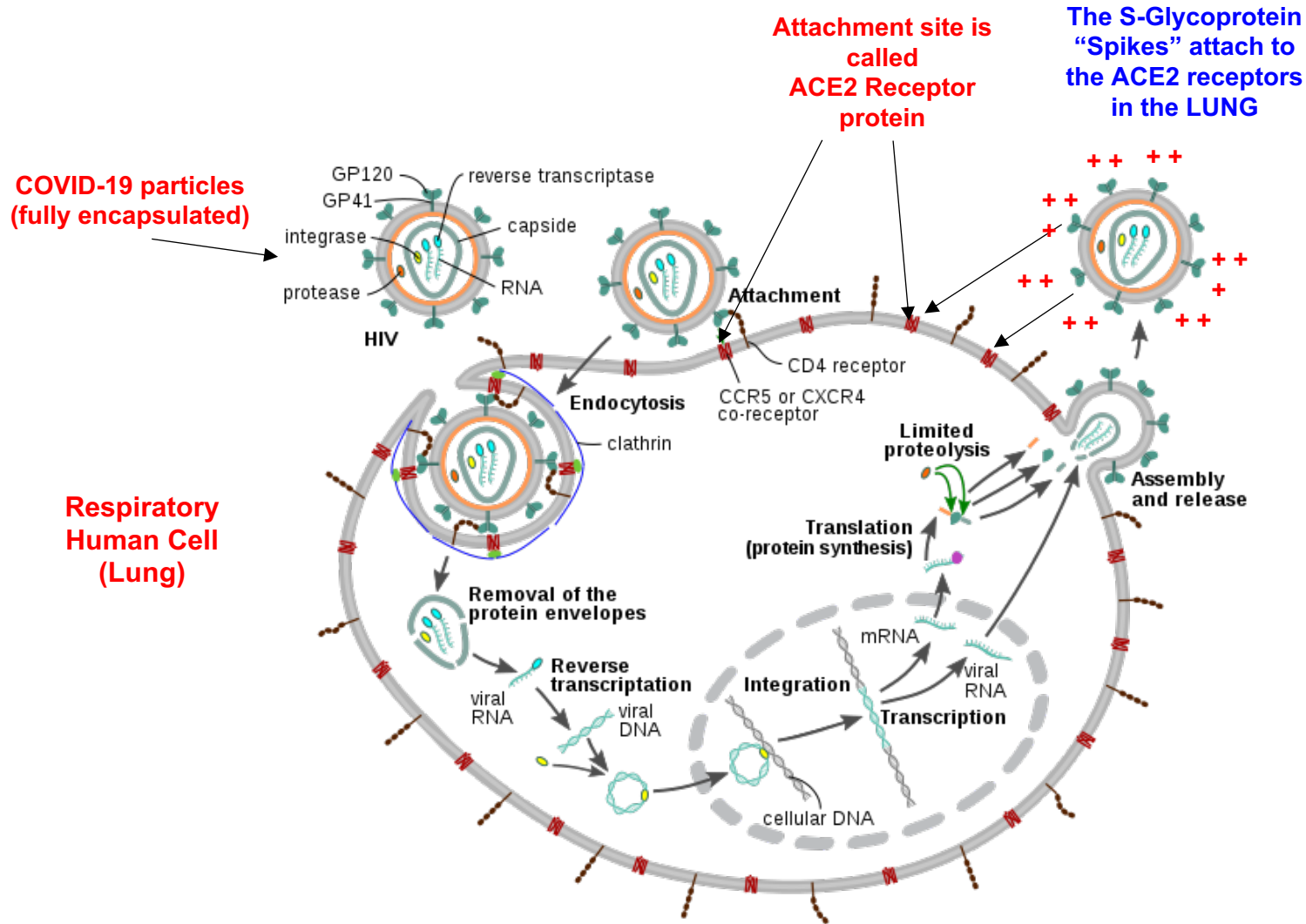
If HIV was compared to Coronavirus

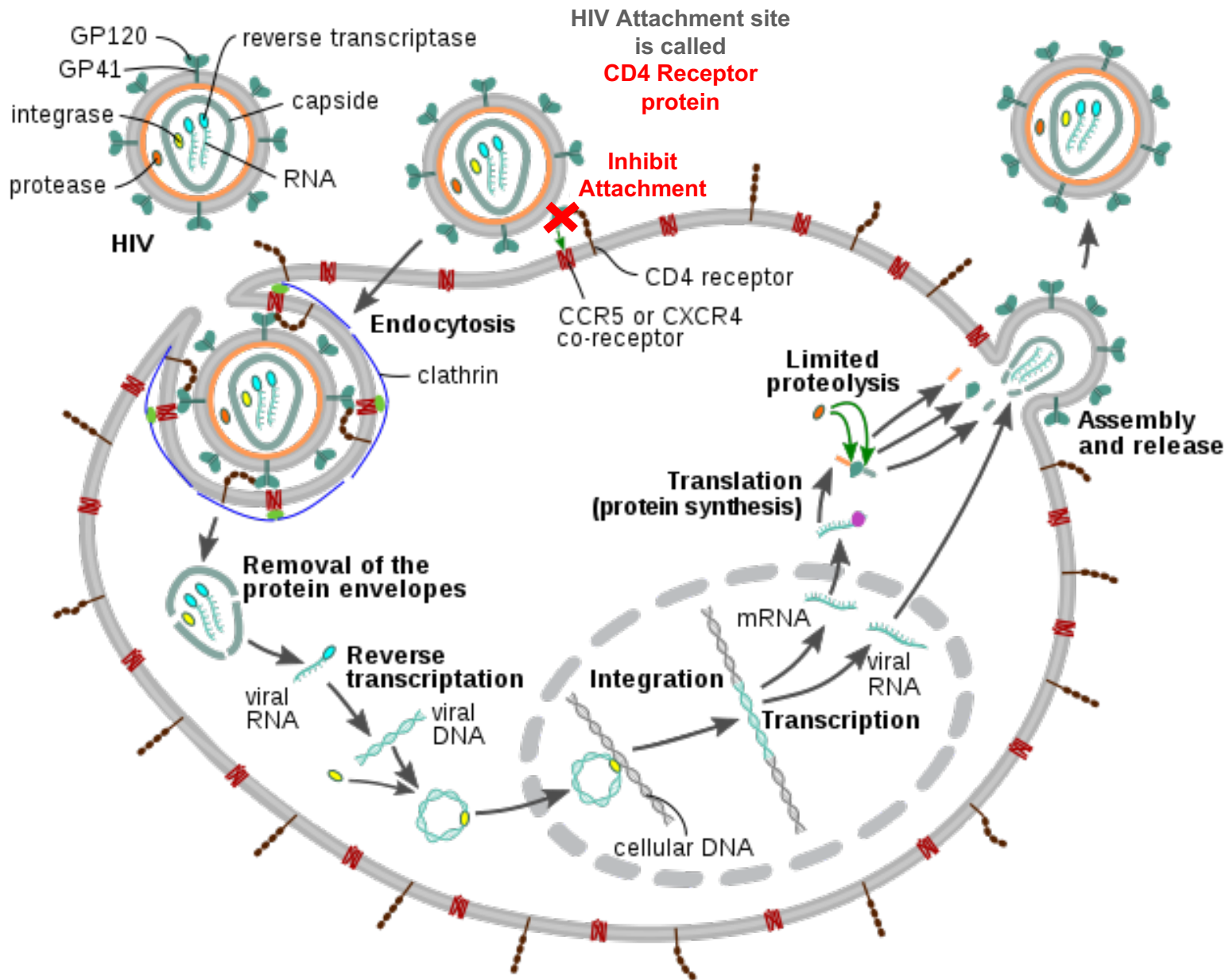


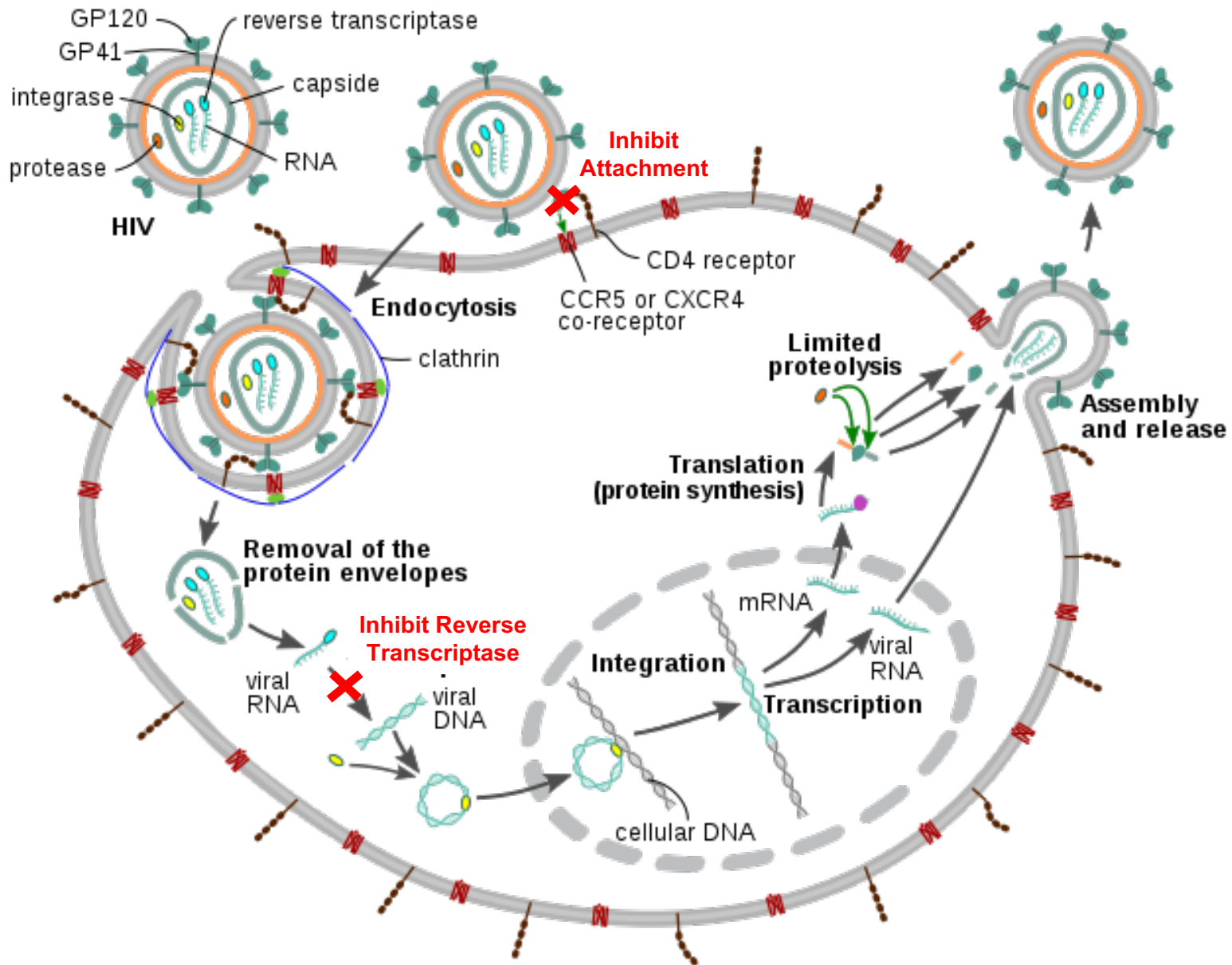
If HIV was compared to Coronavirus

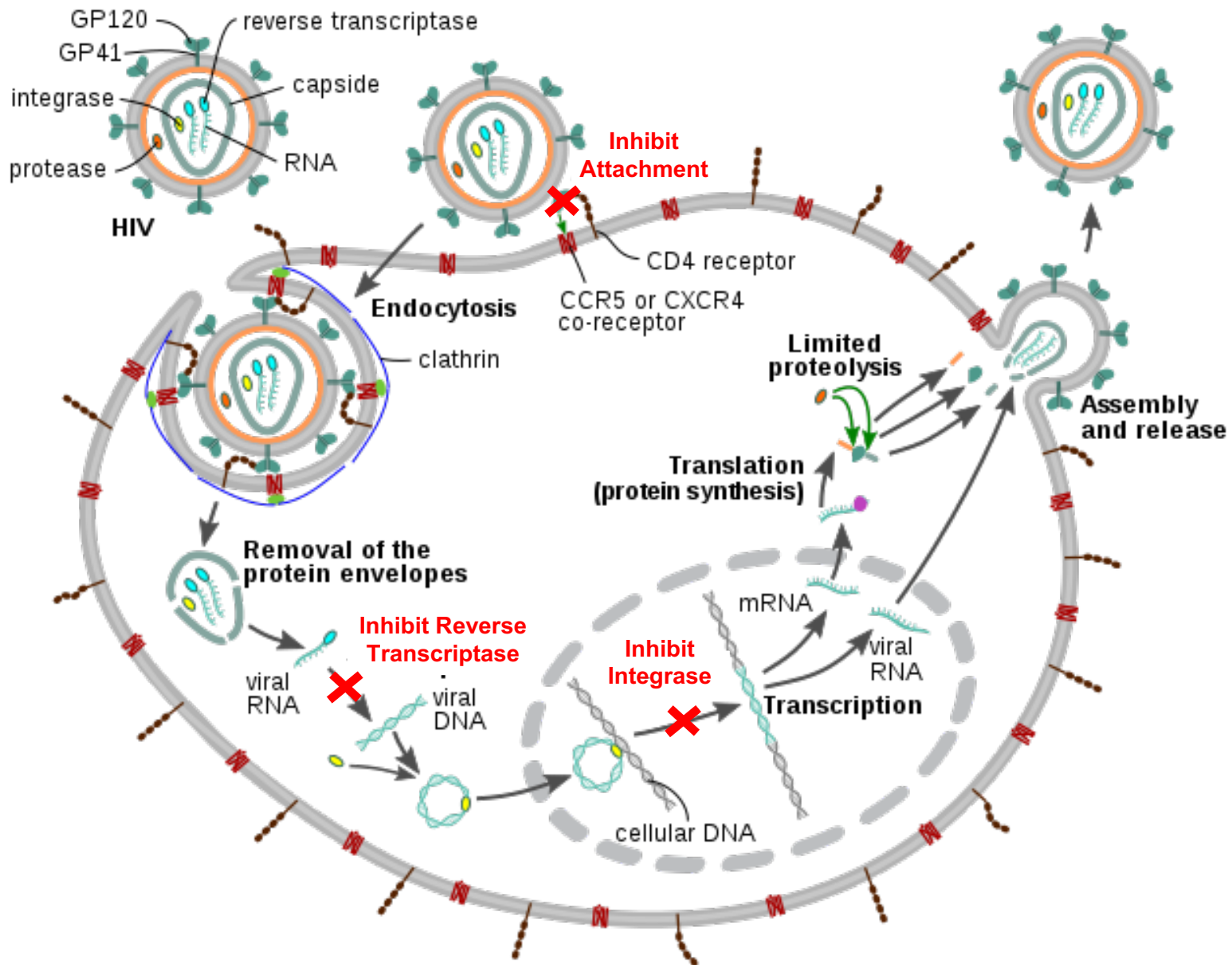


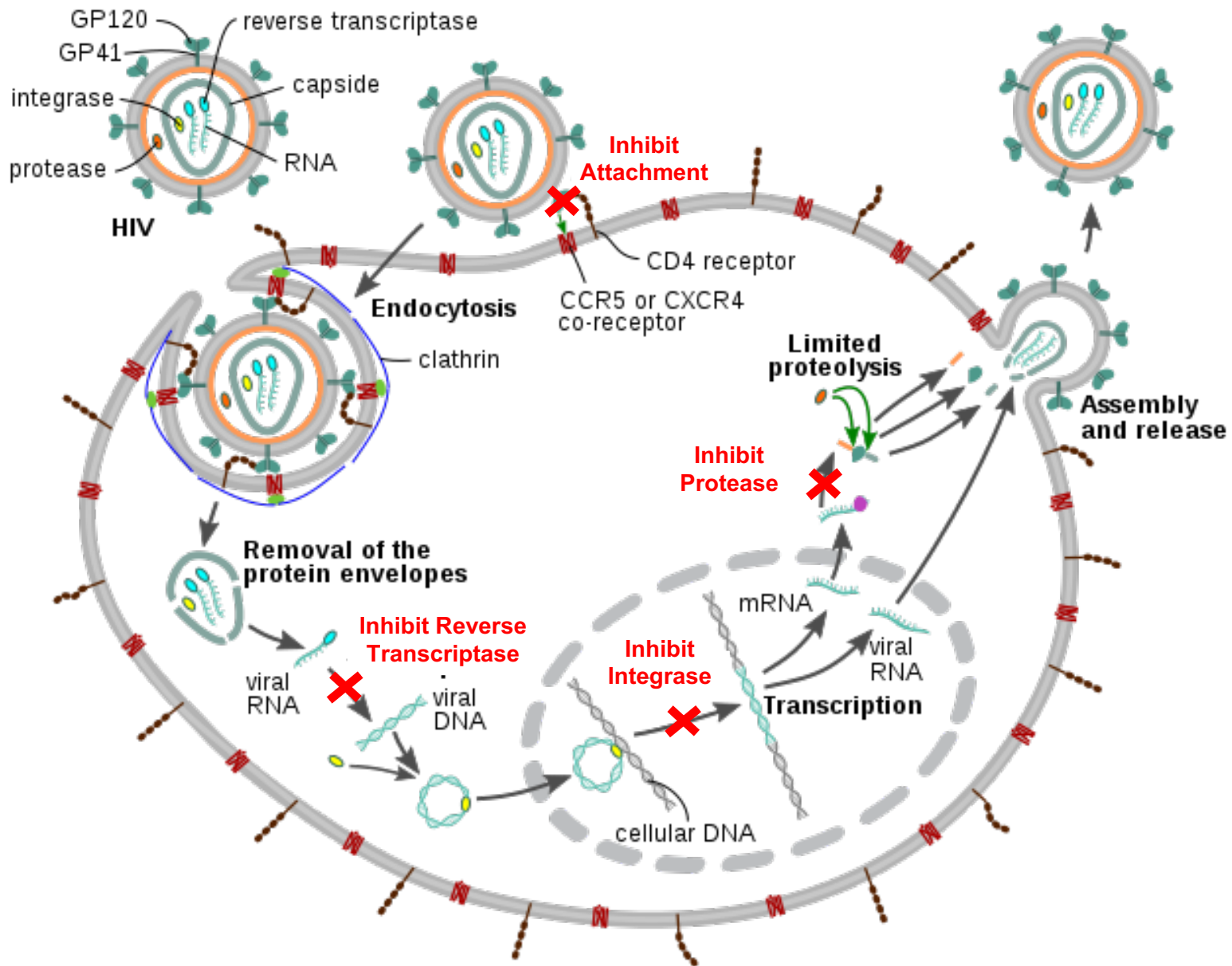
If HIV was compared to Coronavirus

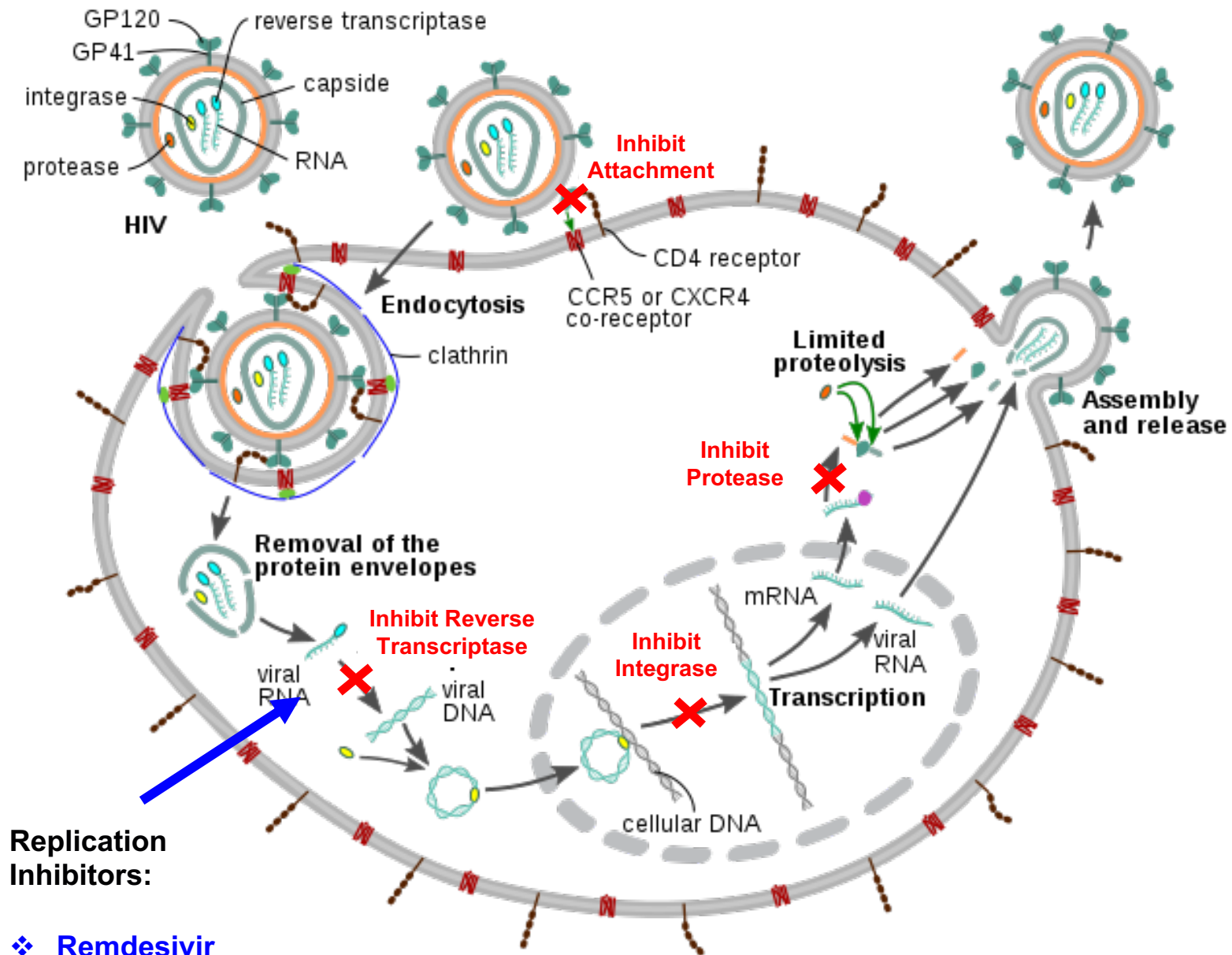


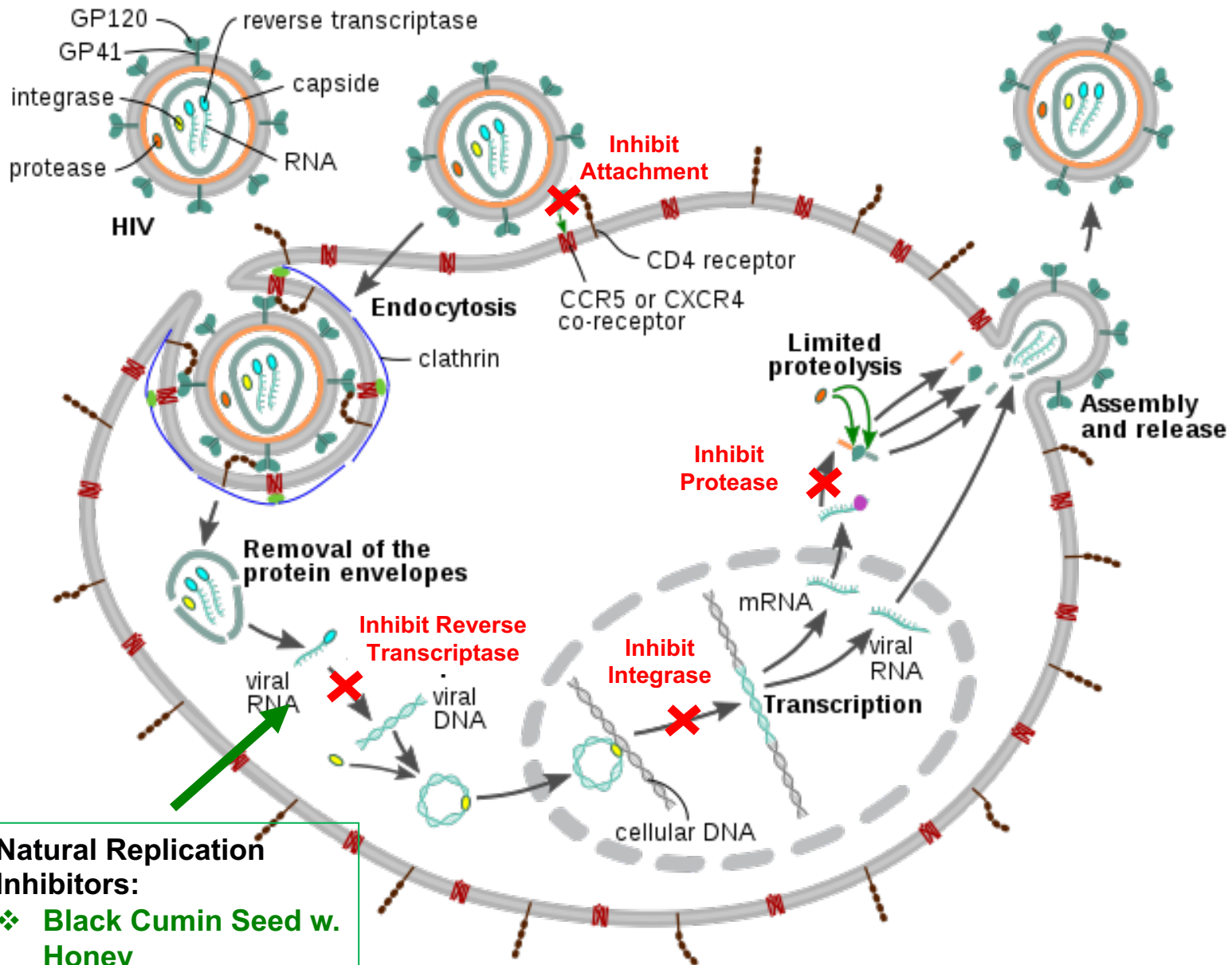


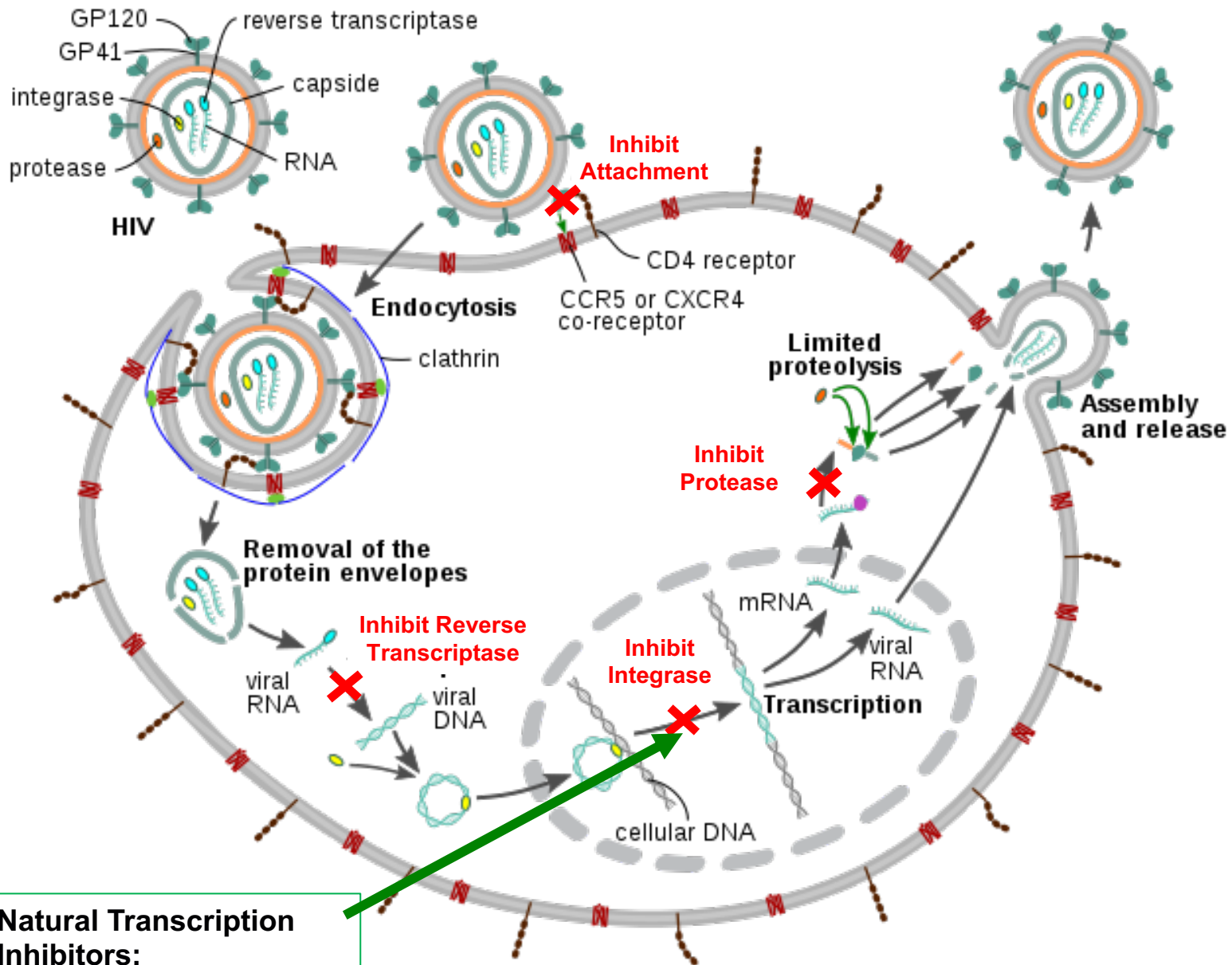








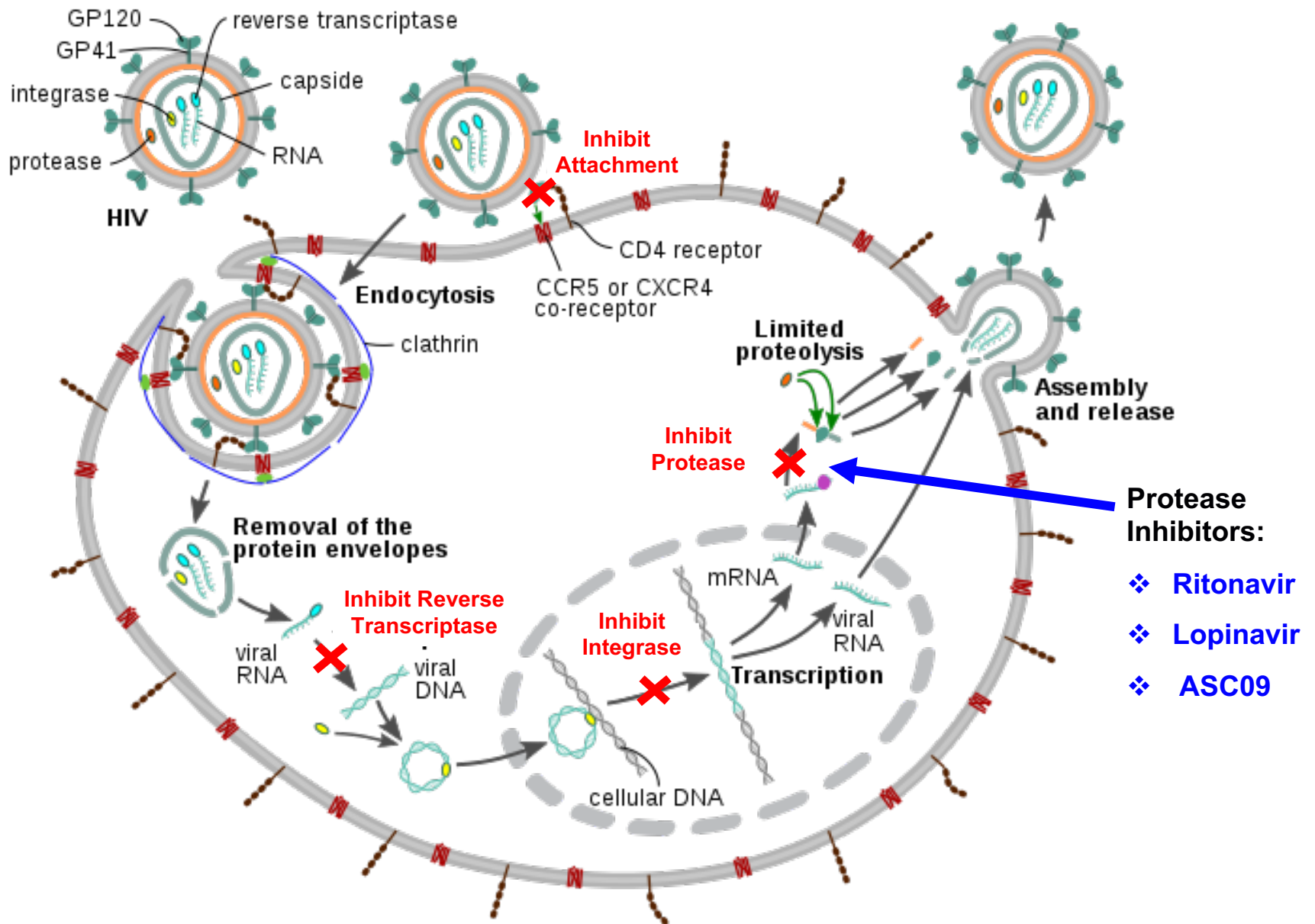


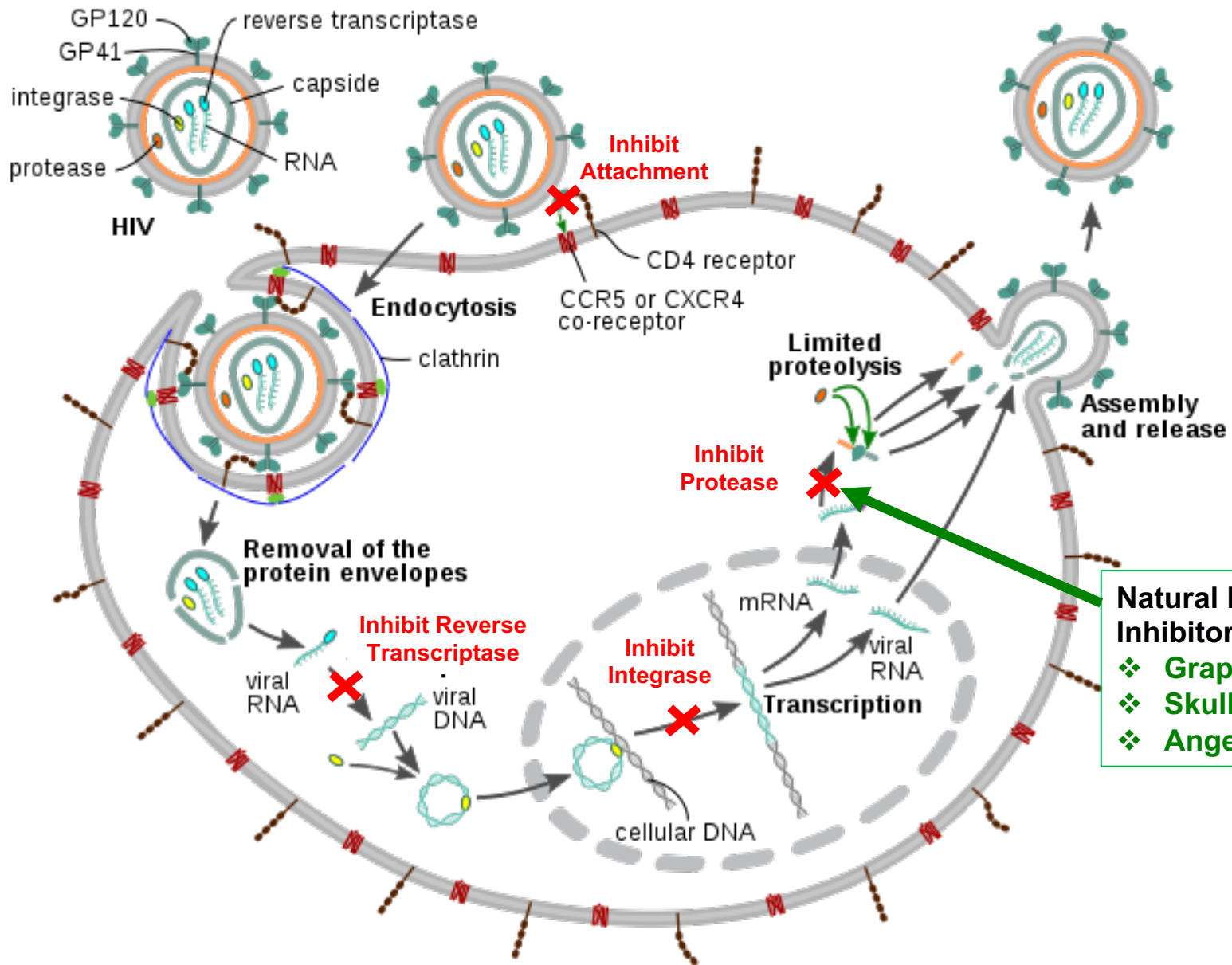


Natural Transcription Inhibitors:

- ❖ Olive Leaf extract
- ❖ Oregano Oil



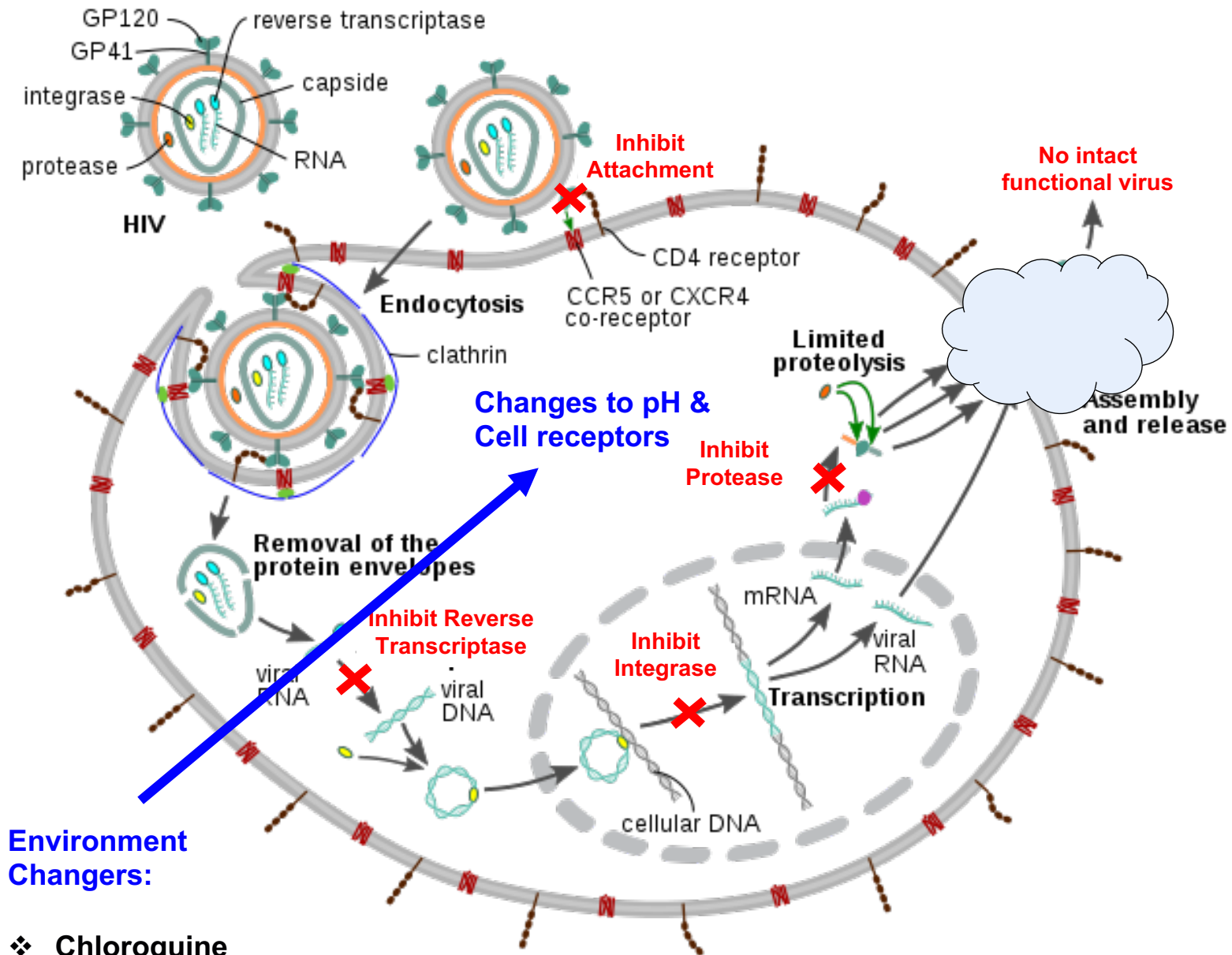




Natural Protease Inhibitors:

- ❖ Grape Skin
- ❖ Skullcap
- ❖ Angelica



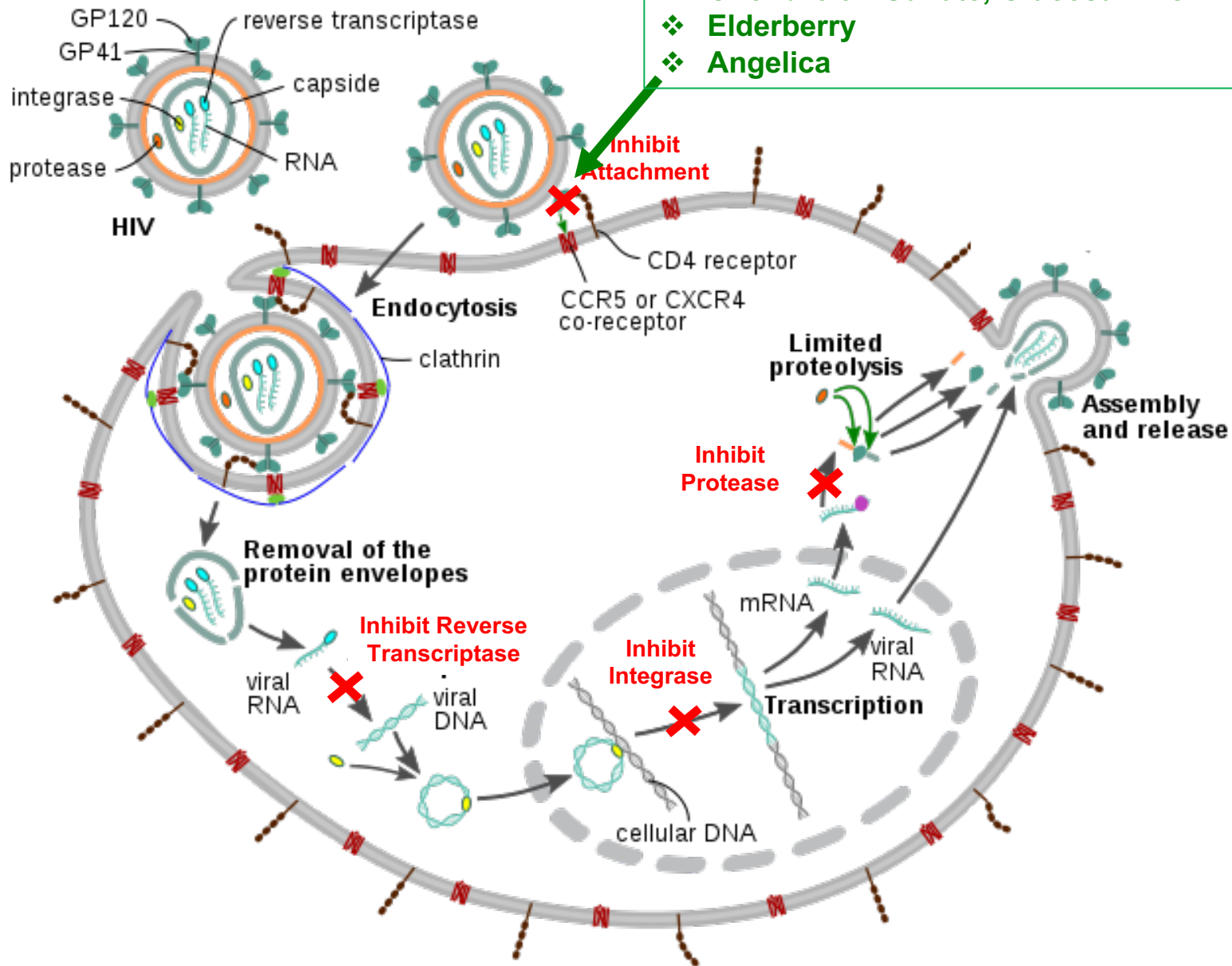


- ❖ Chloroquine
- ❖ Artemisia annua Wormwood



Natural Attachment Inhibitors:

- ❖ Chondroitin Sulfate, Glucosamine
- ❖ Elderberry
- ❖ Angelica

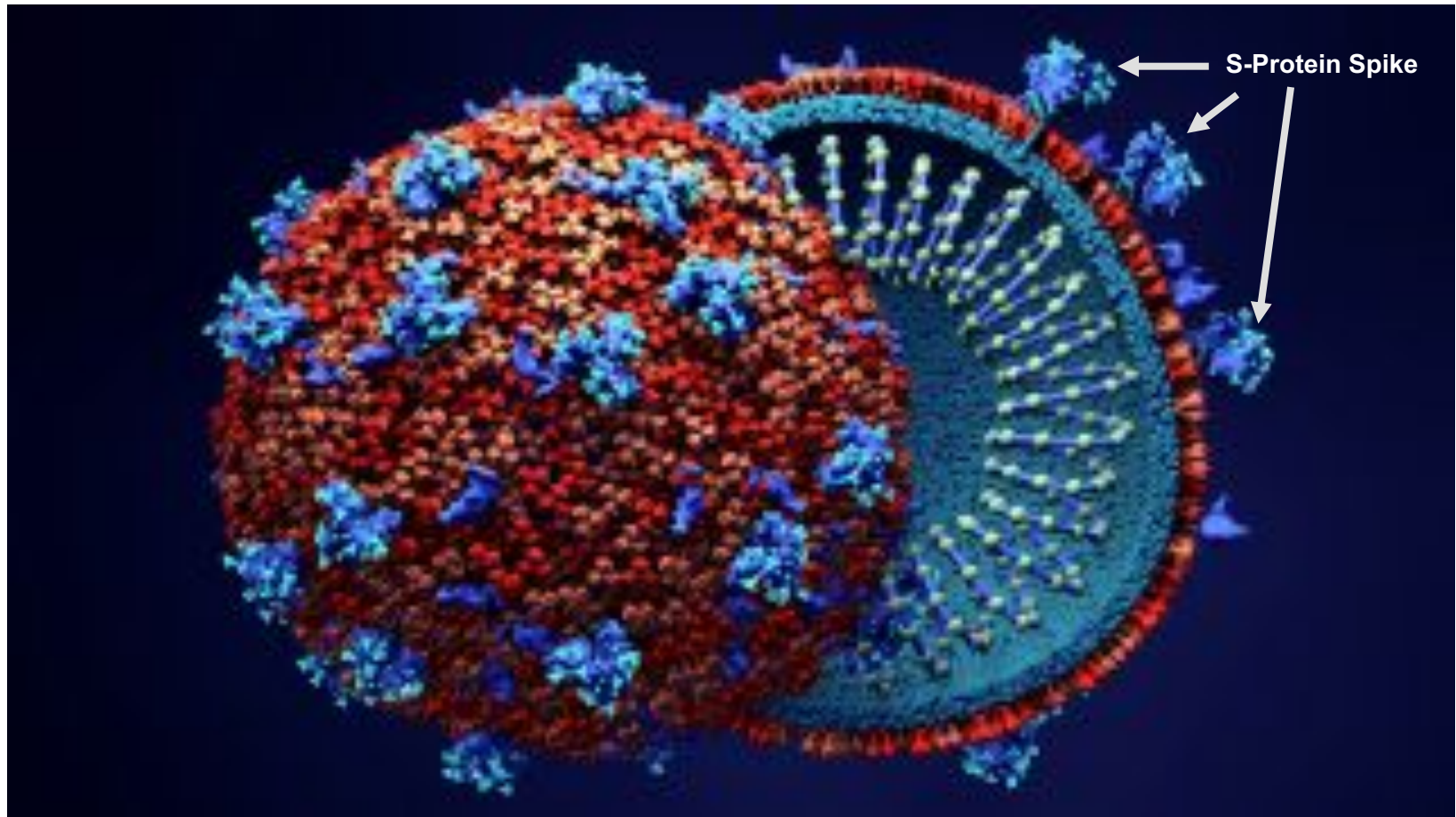


Proactive Measures to Eliminate the Curve

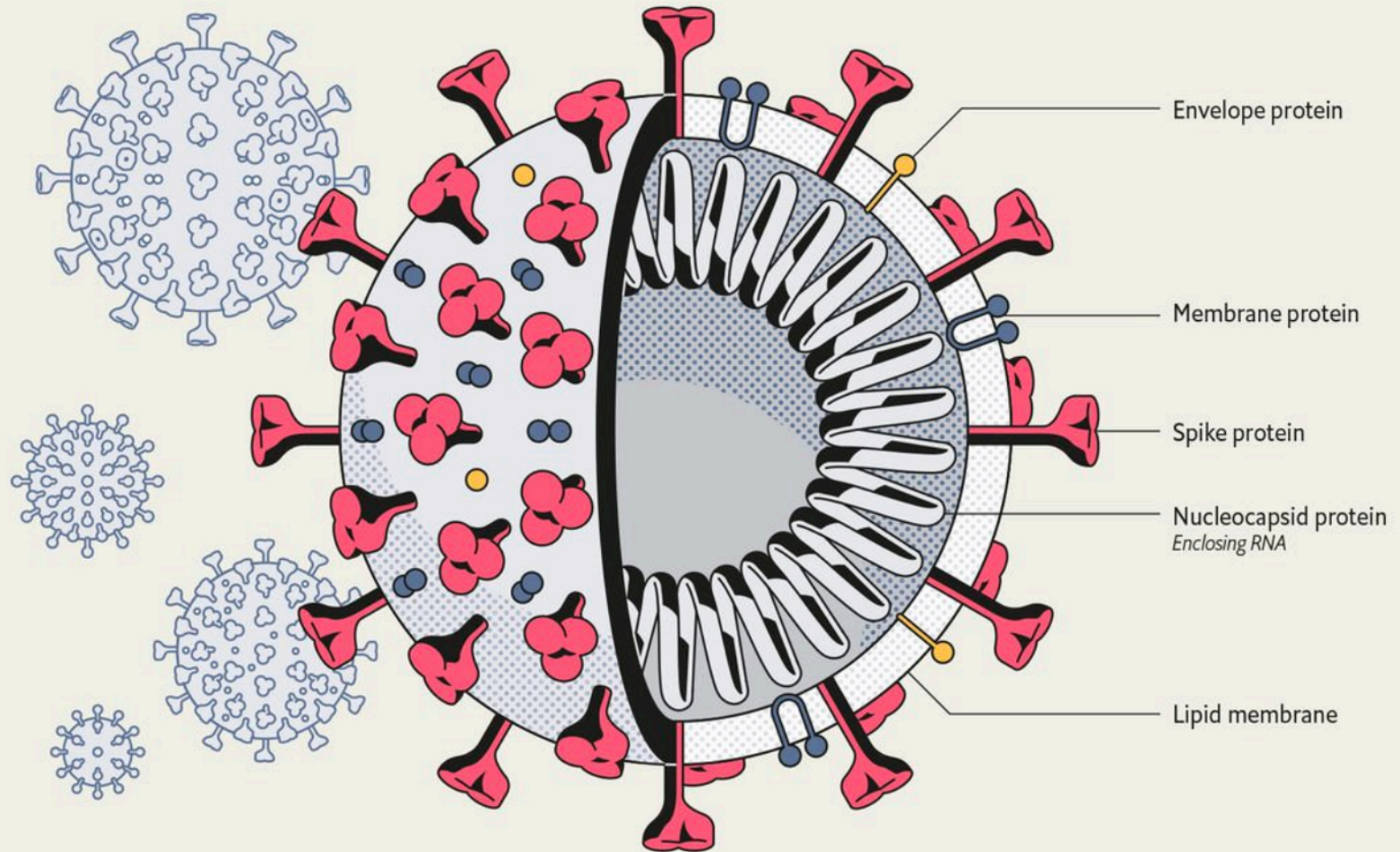
Targeted Natural Supplements **5**



COVID-19 Virus



COVID-19 Virus



Manuel Bortoletti

Proactive Measures to Eliminate the Curve

Targeted Natural Supplements **5**



Targeted Natural Supplements for Coronavirus

Pros

- ❖ Shown to enhance the efficacy of HIV Protease Inhibitors when used together
- ❖ Anecdotal Evidence has shown positive results in some cases
- ❖ Natural supplements can have lower risk of side effects if used properly

Cons

- ❖ There are no specific natural supplements approved by the Food and Drug Administration (FDA) to treat people with COVID-19
- ❖ Very little valid scientific studies done with Natural Supplements



Targeted Natural Supplements for Coronavirus

Supplements that Coat the Coronavirus (anti-attachment)

- ❖ Chondroitin Sulfate, Glucosamine, Marine Phytoplankton
- ❖ Elderberry

Supplements that prevent spikes (anti-attachment)

- ❖ L-arginine, Green & Black Tea, Milk Thistle (Silymarin)

Supplements that prevent RNA inversion

- ❖ Olive Leaf Extract

Supplements that prevent replication

- ❖ Black Cumin Seed with Honey & Lemon
- ❖ Grape Skin Extract, Chamomile, Skullcap, Angelica

Supplements that increase immunity

- ❖ Vitamin C, Zinc, Vitamin D3



Targeted Natural Supplements for Coronavirus

Chinese Herbs - antiviral

- ❖ Bupleurum spp. (柴胡 Chái Hú), and Scrophularia scorodonia(玄參 Xuán Shēn)

Chinese Herbs – Coronavirus specific

- ❖ Lycoris radiata (石蒜 Shí Suàn), Artemisia annua Wormwood (黃花蒿 Huáng Huā Hāo), Pyrrosia lingua (石葦 Shí Wěi), and Lindera aggregata(烏藥 Wū Yào)

Chinese Herbs – protease inhibitors

- ❖ myricetin, scutellarein, and phenolic compounds from Isatis indigotica (板藍根 Bǎn Lán Gēn) and Torreya nucifera (榧 Fěi)



Proactive Measures to Eliminate the Curve

Defensive Natural Supplements **6**



Anecdotal reports of Fermented products (SCFAs)

Report No 20 Spring Issue (2000)

Cider Vinegar joins the war against HIV and other lipid-envelope viruses

A local PWA credits vinegar (monotherapy) with reducing his viral load to non-detectable levels

Cider Vinegar - hopes ride high for a low-cost treatment breakthrough for HIV/AIDS.

April 10, 2000

Mark Konlee

<https://juliachanhk2002.pixnet.net/blog/post/15813271>



Anecdotal reports of Fermented products (SCFAs)

Later that evening, Stephen went to a local grocery store and bought a quart of vinegar, choosing the first bottle of vinegar in his sights - a quart of **white vinegar**. Stephen said: "As I walked out (of the store), I opened the bottle and slammed down a mouthful." I said: "Full strength?" Stephen: "Yes, I could feel the vinegar as it traveled through my intestines."

The next day, Stephen would add about 2 tablespoons of vinegar to a glass and add some water and slam it down. He did this 3 or 4 times a day. A few days after starting on the vinegar, he called and said that his stomach was 80% improved. At the time he called, around Feb. 2nd or 3rd, he did not tell me how much he was actually using. The details described here were not known to me until I had an extensive conversation with him around March 15th. About February 15th, he had called me and said his viral load was non-detectable and that his doctor could not figure out what was happening. Previously he had told me that he was on a drug cocktail last year and I assumed at the time that the drug cocktail was what had brought his viral load down to non-detectable levels.

<https://juliachanhk2002.pixnet.net/blog/post/15813271>



Microbiome builders

Prebiotics

- ❖ Inulin (Artichoke or Chicory), Fiber from plants

Probiotics

- ❖ Vegan-grown Microbes from Longevity Zones

Postbiotics

- ❖ Small-chain Fatty Acids (SCFAs), Bacteriocins, Fungicins, Virucins

Keystone Microbes

- ❖ Flavonoids, Terpenes and Polyphenols, Bitter Roots



Microbiome: Ascended Health Proalive Probiotic



Made of live ancient probiotics from longevity zones around the world. Designed to help the body restore a harmonic microflora bioterrain and support the rebalancing of bacterial and viral infections.

A Multi-functional Probiotic designed to help your body with:

- ✓ Increased Immune Response to viruses, bacterial & fungal infections
- ✓ Live Beneficial Microbes for gut flora
- ✓ Adaptogenic Stress Support

- ❖ **20 strains from Longevity Zones & Cold Spots around the world**
- ❖ **Immune-boosting**

https://www.ascendedhealth.com/probiotics/Probiotic_Proalive.htm



Ascended Health Active Detox Probiotic



Ascended Health's Active Detox Probiotic is a breakthrough product formulated with special live microbes, chelators, and trace minerals. It is designed to help the body support the detoxification of liver and kidneys, with microbes that seek out toxins as nutrients and actively break them down.

Our Active Detox formula may help the body:

- ✓ Recover from chronic fatigue
 - ✓ Attain weight optimization
 - ✓ Lift depression
 - ✓ Support liver and kidney detoxification
- ❖ **Rich in fermented Fulvic & Humic Acids (negative and positively charged molecules)**

https://www.ascendedhealth.com/probiotics/Probiotic_ActiveDetox.htm



Nutritional Superfoods

Marine Phytoplankton

- ❖ World's most perfect food

Fulvic & Humic Acids

- ❖ Effect on Longevity

Medicinal Mushrooms

- ❖ Reishi, Cordyceps, Lions Mane

Adaptogens

- ❖ Ginseng, Ashwagandha, Rhodiola, Shisandra, Suma

Minerals

- ❖ Hawaiian Sea Salt, Great Salt Lake trace minerals



Nutritional Superfoods

regenerate
recharge
replenish

PRIMORDIAL NUTRITION

high in nutrition, these single-cell algae are bursting with nano-sized nutrient particles absorbed at a microcellular level



Ascended Health Marine Phytoplankton

<https://www.ascendedhealth.com/nutrigenomics/phytoplankton/>



Fermented Products

Fermentation increases bioavailability

- ❖ 90% of all cells in human body are microbes

It's about the Postbiotics, not Probiotics

- ❖ SCFAs, Bacteriocins



Targeted Fermented Therapeutic Yogurt

INGREDIENTS

Plant-based Milk

- ❖ Coconut, Hemp, Almonds, Black/White Sesame Seeds

Spagyric Master Nectar:

- ❖ Wild-crafted Black Honey micro-fermented with spagyric extracts of medicinal herbs and target supplements
 - ❖ Higher water content allows honey to age over time, like wine
- ❖ Multi-strain Probiotic Culture w. Prebiotics
 - ❖ At least 300 different strains from Longevity Zones around the world
 - ❖ Artichoke & Chicory Inulin
- ❖ Targeted Natural Supplement Mix
 - ❖ Viral Attachment Inhibition: Fermented Chondroitin Sulfate, Fulvic Acid
 - ❖ Furin Inhibitors: L-arginine, N-acetyl Glutathione, Resveratrol
 - ❖ Elderberry, Olive Leaf, Black Cumin Seed, Green & Black Tea blend, Silymarin, Lemon, Ginger
- ❖ Minerals
 - ❖ Hawaiian & Great Salt Lake Sea Minerals



3 steps

Step 1. Make the Plant-based Milk

- ❖ Blend Coconut, Hemp, Sprouted Almonds, Black Rice in filtered water
- ❖ Strain out milk

Step 2. Add our Spagyric Master Nectar Mixture to the Milk

- ❖ (go to [AscendedHealth.com](https://ascendedhealth.com) to order)

Step 3. Ferment in Mason Jars into a Spagyric Master Nectar Yogurt



Perspective – This is not sacrifice.



Our grandparents were called to duty & country.

We are called to stay home & make yogurt.

We can do this.

THANK YOU.

