



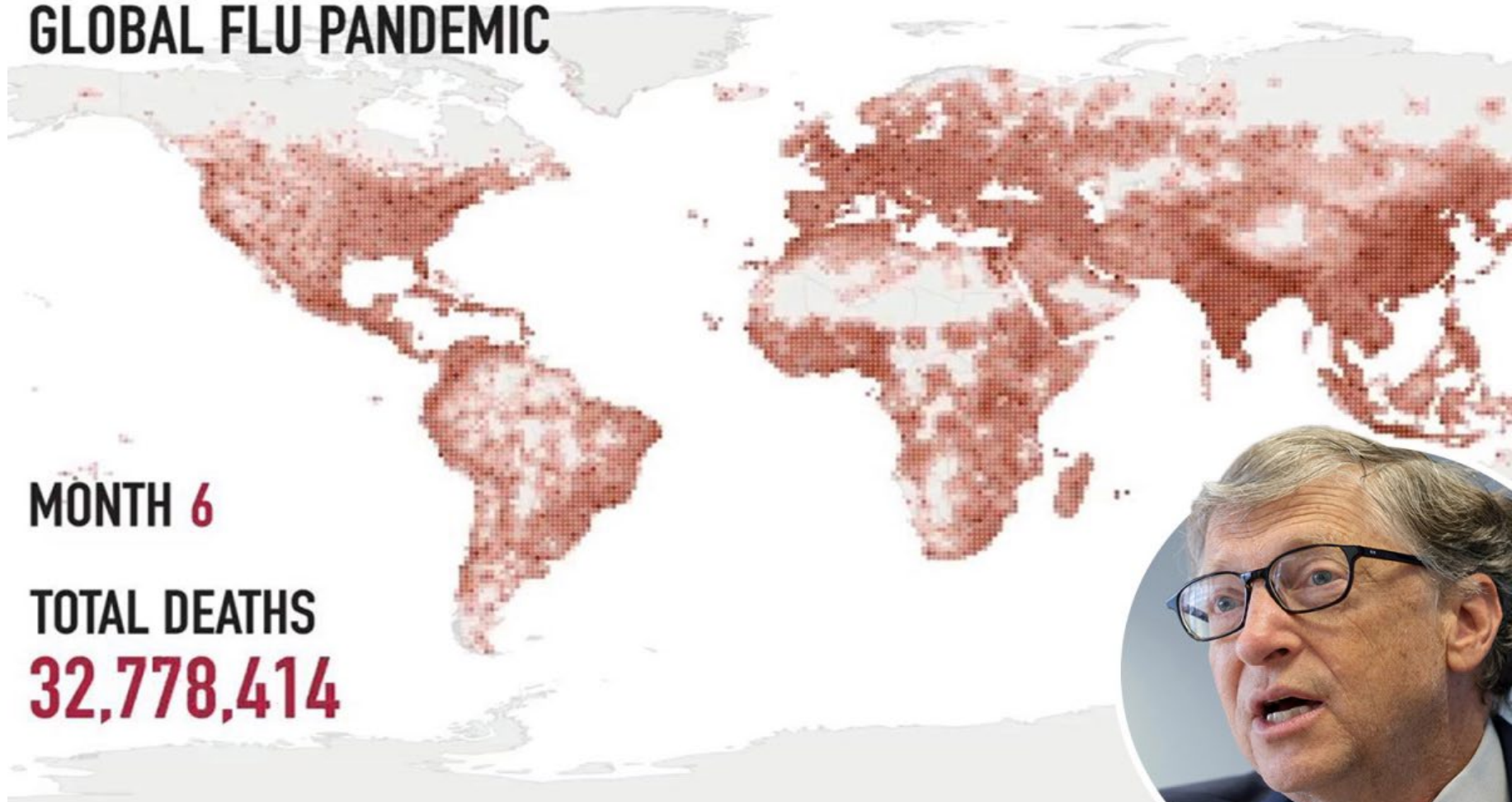
Taking Our Collaboration With Global Infection Control Consultants LLC To The Next Level

Dato' Dr Rajen Manicka



“The next “thing” that kills 10 million people will not be a missile but a microbe” Bill Gates

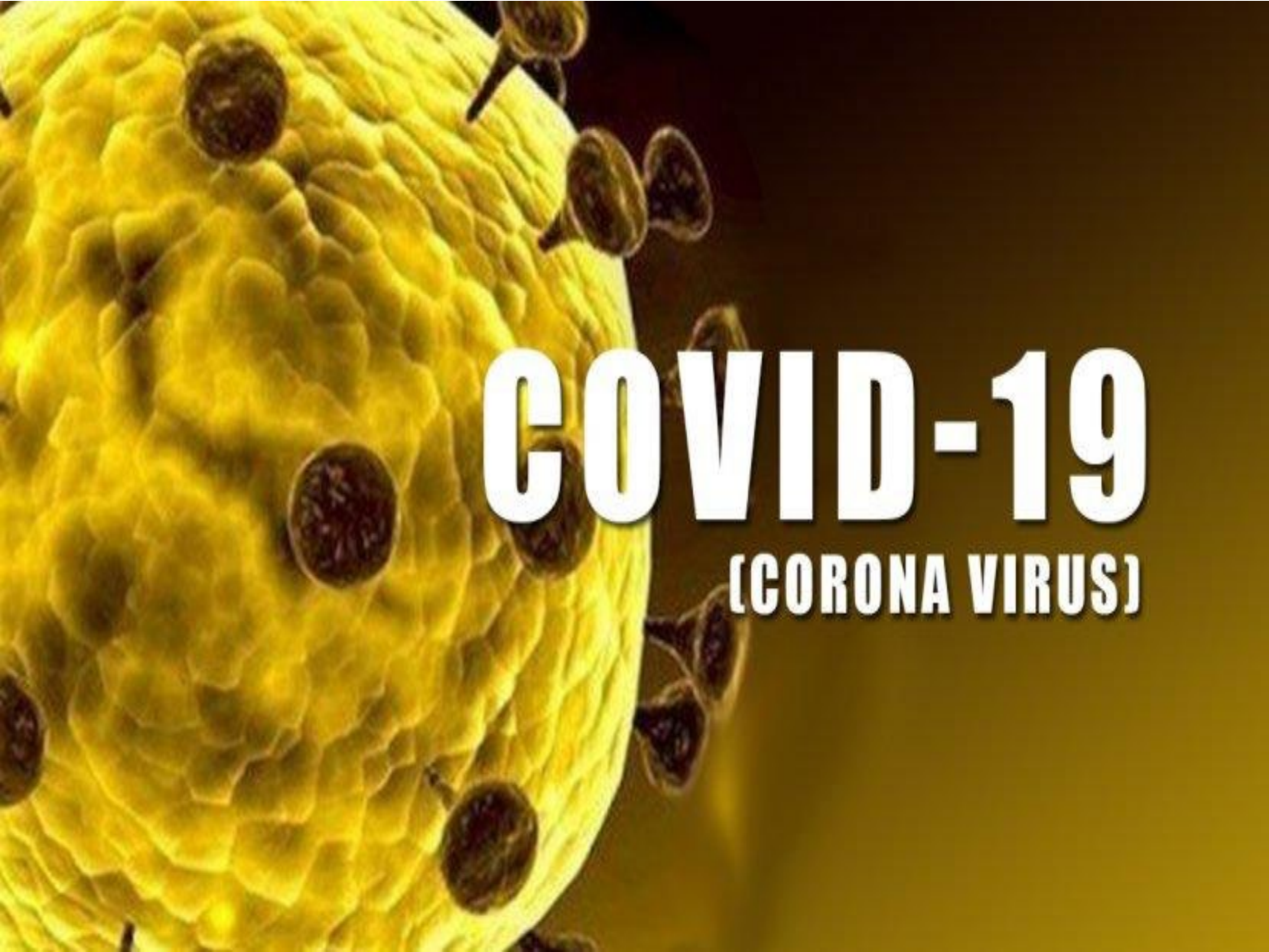
SIMULATION
GLOBAL FLU PANDEMIC





NatShield™ Sanitizer





COVID-19

[CORONA VIRUS]

Various Corona Viruses

Notes

Cases as of Jan. 22.

	Wuhan coronavirus (2019-nCoV)	Middle East respiratory syndrome (MERS)	Severe acute respiratory syndrome (SARS)	Common cold caused by coronavirus
Origin	First reported in December 2019 in Wuhan, China.	First reported in 2012 in Saudi Arabia.	First reported in 2002 in southern China.	Four coronavirus strains are thought to be responsible for 15-30% of common colds.
Transmission	Likely from touching or eating an infected, as yet unidentified animal. Human-to-human transmission occurs through close contact.	Often from touching infected camels or consuming their milk or meat. Limited transmission between humans through close contact.	Believed to have spread from bats, which infected civets. Transmitted mainly between humans through close contact.	Close contact with infected humans or touching a surface that carries the virus.
Cases	Around 500 confirmed; 17 deaths as of Jan. 22. Some victims were older males with preexisting conditions.	2,494 confirmed cases; 858 deaths (as of Nov. 30, 2019). Mortality rate of 34%.	8,098 cases; 774 deaths. Mortality rate of about 10%.	Millions each year. Generally nonlethal with rare exceptions.
Current status	Cases reported mainly in Wuhan, as well as other parts of China and Asia. One case reported in U.S.	All cases linked to Arabian Peninsula, with 80% in Saudi Arabia. Others in about two dozen countries, including U.S. Cases and deaths have been declining since 2016.	No new cases reported since 2004. 87% of previous cases in China and Hong Kong.	Circulates year-round, but more common in fall/winter.

What is **NatShield™** ?

NatShield™

is all natural, alcohol free, rinse free
multi purpose sanitizer



NatShield™

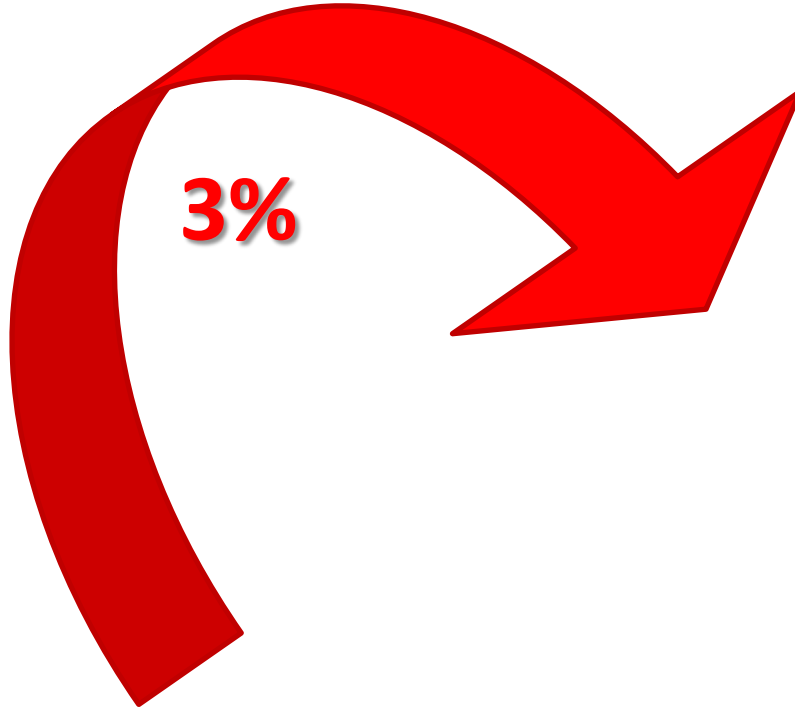
Cleans, *Sanitizes* and *Disinfects*.



NatShield™
Sanitizer

NatShield™

Active Ingredient



PathAway™

<https://path-away.com/>



Properties of



- All natural
- Chemical free
- Non-toxic
- Alcohol free
- Non-volatile
- Totally soluble
- Non-corrosive
- Rapid penetration
- Thermo-tolerant
- UV-tolerant
- Biodegradable
- Antiseptic



Lab Findings

Bacteria	Fungi & Yeasts	Gram Positive
Aerobacter aerogenes	Acremonium sp.	Bacillus subtilis
Alcaligenes faecalis	Alternaria sp.	Bacillus megatherium
Brucella intermedia	Arthrinium sp.	Bacillus cereus
Brucella abortus	Ascospores sp.	Bacillus cereus var. mycoides
Brucella melitensis	Aspergillus niger	Clostridium botulinum
Brucella suis	Aspergillus fumigatus	Clostridium tetani
Cloaca cloacae	Aureobasidium sp.	Corynebacterium acnes
Escherichia coli	Basidiospores	Corynebacterium diphtheriae
Escherichia coli	Beauveria sp.	Corynebacterium diphtheriae
Escherichia coli	Bipolaris sp.	Corynebacterium diphtheriae
Haemophilus influenzae	Botrytis sp.	Corynebacterium minutissimum
Klebsiella edwardsii	Calcarisporium sp.	Diplococcus pneumoniae
Klebsiella aerogenes	Candida albicans	Lactobacillus arabinosus
Klebsiella pneumoniae	Cercospora sp.	Lactobacillus arabinosus
Legionella pneumoniae	Chaetomium sp.	Lactobacillus casei
Loefflerella mallei	Chromelosporium sp.	Listeria monocytogenes
Loefflerella pseudomallei	Cladosporium sp.	Mycobacterium tuberculosis
Moraxella duplex	Curvularia sp.	Mycobacterium smegmatis
Moraxella glucidolytica	Drechslera group	Mycobacterium phlei
Neisseria catarrhalis	Epicoccum sp.	Sarcina lutea
Pseudomonas capacia	Epidermophyton floccosum	Sarcina ureae
Pasteurella septica	Exiophiala sp.	Staphylococcus aureus
Pasteurella pseudotuberculosis	Fusariella sp.	Staphylococcus aureus
Proteus vulgaris	Fusarium sp.	Staphylococcus aureus
Proteus mirabilis	Geotrichum sp.	Staphylococcus aureus
Pseudomonas aeruginosa	Keratinomyces ajelloi	Staphylococcus aureus
Pseudomonas aeruginosa	Lasiodiplodia theobromae	Staphylococcus aureus
Pseudomonas fluorescens	Memmoniella sp.	Staphylococcus albus
Salmonella choleraesuis	Microstroma sp.	Staphylococcus albus
Salmonella enteritidis	Monilia albicans	Streptococcus agalactiae
Salmonella gallinarum	Mucor sp.	Streptococcus haemolyticus A
Salmonella typhimurium	Myrothecium sp.	Streptococcus faecalis
Salmonella typhi	Nigrospora sp.	Streptococcus faecalis
Salmonella paratyphi A	Nodulisporium sp.	Streptococcus pyogenes
Salmonella paratyphi B	Oidium sp.	Streptococcus viridans
Salmonella pullorum	Paecilomyces sp.	
Serratia marcescens	Penicillium sp.	
Shigella flexneri	Periconia sp.	
Shigella sonnei	Saccharomyces cerevisiae	
Shigella dysenteriae	Trichophyton mentagrophytes	
Vibrio cholerae	Trichophyton rubrum	
Vibrio eltor	Trichophyton tonsurans	
Additional Organisms		
Giardia lamblia	Influenza A2 Virus	
Entamoeba histolytica	Helicobacter pylori	
Chlamydia trachomatis	Campylobacter jejuni	
	Herpes simplex virus type 1	

Updated Fungal List

List updated
June 1, 2006

Peziza sp.	Stachybotrys sp.	Ulocladium sp.
Phoma sp.	Stachybotrys chartarum atra	Ustilago sp.
Pithomyces sp.	Stemphylium sp.	Verticillium sp.
Polythrincium sp.	Taeniolella sp.	Wallemia sebi
Rhizopus sp.	Tetraploa sp.	Zygomycetes
Schizopphyllum commune	Torula sp.	Zygosporium sp.
Scopulariopsis sp.	Tricholcladium sp.	
Spegazzina sp.	Trichoderma sp.	
Sporothrix sp.	Trichosporon sp.	
Sporotrichum sp.	Tritirachium sp.	

Properties and efficacy as a disinfectant.

Path-Away® – Safe & Natural Product



NatShield™
Sanitizer

- ✓ Natural botanical solution
- ✓ Alcohol & chemical free
- ✓ Safe if swallowed accidentally

Can **NatShield™** kill the H1N1 virus?

YES

-By standards of
Ministry of Health Malaysia
tests with WHO Certified
Laboratory

Approvals

- United States FDA GRAS approved ingredient
- United States Environmental Protection Agency (EPA) exempted
- Listed in the United States Pharmacopeia
- New Zealand Environmental Agency approval as a “non-rinse” sanitizer
- Exempted by Australian Therapeutic Goods Administration (TGA)



Environmental
Protection Authority
Te Mana Rauhi Taiao

 BAHAGIAN KAWALAN PENYAKIT (DISEASE CONTROL DIVISION)
KEMENTERIAN KESEHATAN MALAYSIA (MINISTRY OF HEALTH MALAYSIA)
ANAK 3, 4 & 5, BLOK D/10, KOMPLEKS D
PUSAT PENCANTIKAN KERAJAAN PERSEKUTUAN
62500 PUTRAJAYA, MALAYSIA
NO. TEL: 03-8883 4027 NO. FAKS: 03-8883 4105 WEBSITE: <http://www.dph.gov.my>

SIRIM
REKOD SIRIM
CERTIFIED TO ISO 9001:2008
CERT NO. 08-005

Raf. Tuan :
Raf. Kasi : Bil. (2) di M. KOM-171/BKPI073/1/0451 Jd.33
Tarikh : 29 Oktober 2009

Dato' Dr. Rajen M
Ketua Pegawai Eksekutif
Tropical Botanics Sdn. Bhd.
Unit 1201, Tkt 12, Armour Trade Centre, Pj Tower
No.18, Persiaran Barat, Off Jalan Timur
46200 Petaling Jaya, Selangor

Y. Bhg. Dato',

BLUOXY™ FOR H1N1 AS SANITIZER

Dengan segala hormatinya, saya merujuk perkara yang tersebut di atas serta surat Y. Bhg. Dato' bertarikh 2 Oktober 2009.

2. Terlebihi dahulu, saya ingin merakamkan ucapan terima kasih kepada pihak Y. Bhg. Dato' kerana mengemukakan cadangan kepada Kementerian Kesihatan mengenai penggunaan produk BLUOXY™ bagi menangani wabak influenza A (H1N1).

3. Setelah meneliti dokumen-dokumen yang disertakan, sukacita dinyatakan bahawa pihak kami tiada halangan untuk produk ini digunakan sebagai sanitiser berdasarkan rujukan kepada dokumen daripada Kromos Biotechnology (Lampiran A, B, C dan D).

4. Kerjasama serta perhatian Y. Bhg. Dato' dalam hal ini amatlah dinaghai.

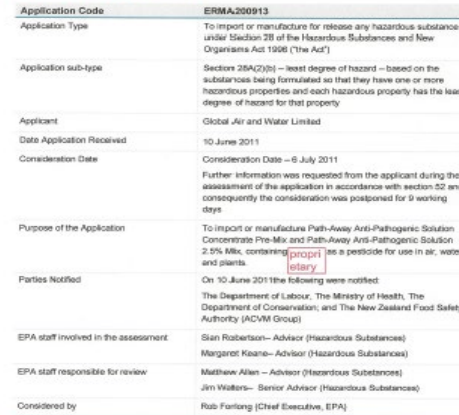
Sekian, terima kasih.

"BERKHIDMAT UNTUK NEGARA"

Saya yang menunaikan perintah,

(DATO' DR. HASAN BIN ABDUL HALIM)
b.p. Pengarah Kawalan Penyakit
Kementerian Kesihatan Malaysia

Persekitaran: 03-88834075 Faks: 03-88834170 Caw. Menteri: 03-88834171 Caw. AGK/073: 03-88834367 Faks: 03-88834368 Caw. Pengarah Bersepadu: 03-88834172 Faks: 03-88834173 Caw. Suruhan: 03-88834270 Faks: 03-88834271 Caw. Pengarah Teknik Bersepadu: 03-88834148 Faks: 03-88834177



Where to use **NatShield™** ?

Disinfect / sanitize:

- ✓ Hands
- ✓ Toilet seats
- ✓ Door knobs
- ✓ Countertops
- ✓ Trolley Bar
- ✓ Lift touch buttons



How to use **NatShield™** ?

- ✓ Use 1-2 sprays of **NatShield™**
- ✓ No rinse needed
- ✓ Each application provides protection up to 2 hours
- ✓ Apply into nose



Life After Covid 19

Coronavirus Fatality rate: 2.7%	Cases 64,434	Deaths 1,383
US seasonal flu* Fatality rate: 0.07%	13,000,000	10,000
SARS Fatality rate: 9.6%	8,437	813
MERS Fatality rate: 34.4%	2,494	858
EBOLA Fatality rate: 43.9%	34,453	15,158
H1N1 Fatality rate: 17.4%	1,632,258	284,500

Source: China's NHC, state media, other authorities

*US Centers for Disease Control and Prevention (CDC) estimated data from 2019-20 Season

The Grim Statistics

Total Confirmed

75,725

Total Deaths

2,128

Total Recovered

16,353

Now In Wider Region

- Europe
- North America
- Asia (minus Greater China)

Nasal Sanitizing Balm

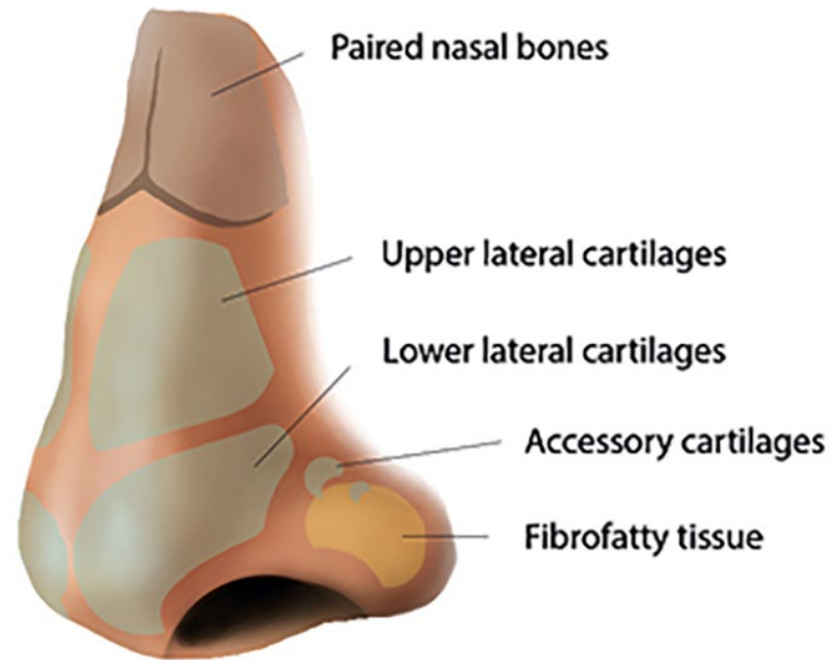
- The weakest link on our face – the Nose
- The eyes
- The mouth



COMING SOON

How?

- A patented balm that keeps the Path-Away in the matrix for possibly 12 hours
- Path-Away is heat and light stable
- Odorless and colorless
- Non-irritant



Nasal Sanitizer Development Timeline

- All happening in 2020
- Patent filling – end March
- Prototype – April
- Testing – May
- Pre-launch – June
- Launch July

M3 System

The M3 System Explained



M1-Measure

We establish
a baseline bioaerosol
pathogen matrix of the facility.



M2-Manage

We construct a protocol based on
laboratory results to manage pathogen
levels that will enhance Infection
Control policies and reduce nosocomial
infections.



M3-Monitor

We formulate a comprehensive long
term program with guidelines to
monitor results that will
keep the facility on track with their
infection reduction goals.

Going Forward ...

- Current exclusive representation in as sanitizer in:
 - Asia Pacific (minus greater China)
- Now to represent the Europe market
- Marketing collaboration in North America
- To Develop Nasal Balm sanitizer (globally)
- To market the M3 System





**HOLISTA
COLYTECH**

GLOBAL
INFECTION CONTROL CONSULTANTS LLC

 **Path-Away®**