

## Fig leaf or first defence? Deploying flimsy masks against virus

January 28 2020, by Sophie Deviller, Montira Rungjirajittranon



Masked Cambodian students line up to disinfect their hands with an alcohol solution before entering class at a school in Phnom Penh

As fears of a deadly virus sweep the globe, panicked members of the public are depending on a flimsy first line of defence—surgical masks



that are coveted, but in short supply and of limited use.

While Asian commuters cover their noses and mouths with the bluegreen paper-thin covers—and social media buzzes with mask emojis, rumours of stockpiles and shortages—the humble medical mask has become an essential weapon in the battle against an invisible enemy.

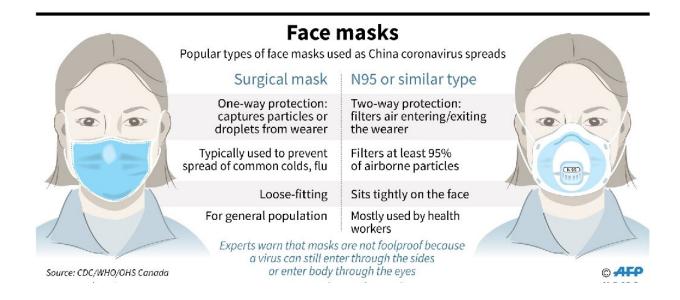
Cheap, mass-made and usually readily available at <u>convenience stores</u>, experts dispute the usefulness of masks as a tool to block transmission of the new SARS-like virus.

While the basic, loose-fitting mask can help restrict the spread of cough droplets from infected people, they are a "one-way" defence and do not create an effective barrier to breathing in dangerous airborne microbes.

"It is not one of the recommended barrier measures" for people who have not been contaminated, according to France's health minister Agnes Buzyn.

Satoshi Hiroi, a senior researcher at the Osaka Institute of Public Heath, told AFP, that high-quality masks could be effective, referring to more expensive, tight-fitting respirators used to filter fine particulates of dust and pollution.





Main types of popular protective masks used as the number of cases of 2019 novel coronavirus continues to rise.

"But as always, there is no 100-percent guarantee," he said, adding, the science was still out on exactly how the virus—which has so far killed 106 people and infected over 4,000—is transmitted.

Still, on Bangkok's streets many members of the public put faith in <u>surgical masks</u> on Tuesday, an act of self-defence in worrying times.

"I'm very concerned about the virus," Tanyamon Jamophast, 28, told AFP.

"Everywhere I go (in addition to a mask) I also bring alcohol and gel sanitiser to clean my hands and avoid areas with Chinese tourists."

Others were heavier duty—and more effective—PM2.5 or 3M (N95) masks, in a city shrouded for weeks by damaging pollution.



Fourteen infections, all but one detected in Chinese visitors, have been reported in Thailand, a peak season destination for the tour groups from the mainland.



Chinese tourists wearing face masks watch a traditional Thai dance at Erawan shrine, a popular landmark in Bangkok

## **Sold out**

For chemist Suphak Saphakkul that has led to the most intense panicbuying of medical items he has witnessed since the SARS epidemic in



2002/3.

"All our (mask) suppliers are out of stock. These masks are made in China and the country itself is out of stock," he said.

"We know that it does not provide 100 percent protection but it is better than nothing... (and) it can also reassure the public."

Even for those who have one, there is a proper method to masking up.



Police officers wearing face masks under their riot protection gear



On Monday the mayor of Wuhan, the epicentre of the outbreak, took an online battering after wearing his mask inside-out.

"You can inhale the virus if there is a gap between the mask and the face," added Satoshi Hiroi of the Osaka Institute of Public Heath.

Meanwhile the Hubei provincial governor was pilloried for not wearing a mask during a press conference—contravening an order to cover-up in public.



Customers bulk-buying face masks from a drugstore in Tokyo's Akihabara district



Regular hand washing with soap, alcohol rubs and avoiding touching one's face as well as crowded places are endorsed by the World Health Organization as effective personal hygiene habits against infection.

The advice has not stopped a run on the shelves, stockpiling or price hikes for medical <u>masks</u>, from Cambodia to Tokyo and Hubei to Hong Kong, where queues stretched outside the remaining retailers with stocks.

In Bangkok, it is a case of better safe than sorry.

"I just want to be as careful as I can," said 50-year-old commuter Apinya Sukprasitchai.

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Citation: Fig leaf or first defence? Deploying flimsy masks against virus (2020, January 28) retrieved 23 April 2024 from <a href="https://medicalxpress.com/news/2020-01-fig-leaf-defence-deploying-flimsy.html">https://medicalxpress.com/news/2020-01-fig-leaf-defence-deploying-flimsy.html</a>

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