Coronavirus outbreak: ST panel discussion

Covid-19 likely to linger for a long time, say experts

Hopes of quick end to outbreak dashed as number of cases worldwide grows

The panellists **Associate Professor**

Kenneth Mak Director of medical services, Ministry of Health

Professor Leo Yee Sin Executive director, National Centre for Infectious Diseases

Professor Tikki Pangestu Visiting professor, Lee Kuan Yew School of Public Policy and former director of the World Health Organisation's Research Policy and Cooperation department

Associate Professor Hsu Li Yang Infectious diseases programme leader, NUS Saw Swee Hock School of

Public Health

Moderator: Salma Khalik Senior Health Correspondent, The Straits Times

Audrey Tan Science Correspondent and Rei Kurohi

The number of people diagnosed with Covid-19 is growing around the world and, as the epicentre of the outbreak shifts away from China, it is unlikely that the disease will taper off the way that Sars did, experts said yesterday. "We have to be mentally pre-

pared that it is going to be here for months, if not even as a new normal – it is always going to be there with us," said Associate Professor Kenneth Mak, director of medical services at the Ministry of

sent in by readers yesterday in an ation department. social media channels.

who spoke to The Straits Times' se- icy and former director of the nior health correspondent Salma World Health Organisation's Khalik and also answered questions (WHO) research policy and cooper-

hour-long discussion which was "The virus is here to stay at least broadcast live on the newspaper's until the end of the year," said Prof Hsu, adding that with the Italy to other parts of Europe. The other three experts on the growing number of cases around creasingly clear is that the epicen-Hock School of Public Health; Pro- tre of the epidemic – which is a pan- it will continue to be an emergency.

tious Diseases; and Professor Tikki (From left) Straits Times senior health correspondent Salma Khalik at a discussion our daily existence." Pangestu, a visiting professor at the on the Covid-19 disease with expert panellists Hsu Li Yang, Kenneth Mak, Leo Yee Prof Mak was one of four experts Lee Kuan Yew School of Public Pol- Sin and Tikki Pangestu yesterday. The hour-long event was broadcast live on the the virus can be "pushed back" – is newspaper's social media channels. ST PHOTO: KUA CHEE SIONG

pointing to the spread of cases from to the 2003 outbreak of the severe with Covid-19 being able to spread Iran to the Middle East, and from acute respiratory syndrome that the disease earlier. Prof Pangestu pointed to three Hsu Li Yang, infectious diseases will be over by next month or May battle to control the outbreak. breaks, including severe cases, and such as H1N1 or swine flu.

they're going on social activities to-

gether. So, that seems to be the com-

Further investigations by the con-

The virus causing Covid-19 is now

tact tracing team were under way,

he said, and more people might be

contacted to check if they are well.

thought to spread mainly through

respiratory droplets. Patients can,

for instance, catch the disease by

being exposed to an infected per-

But as Professor Leo Yee Sin, ex-

mon pattern with this particular

claimed nearly 800 lives globally. The third is that the virus be- cult task, she said. The different panel were Associate Professor the world, hopes that the outbreak possible scenarios in the world's comes endemic, and mankind characteristics of the virus have to programme leader at the National will be dashed. "I think what is in- One, more countries will have out- ued existence, like other viruses jectory of the future epidemic.

fessor Leo Yee Sin, executive direcdemic in all but name - has spread Two, the virus might "disappear nario is what the WHO is thinking ued vigilance as well as personal tor of the National Centre for Infec- away from China and has moved to completely", similar to how Sars of. It is going to become part of hygiene, noting that there might

be a need to change the way patients are managed if the number Prof Leo said scenario two - that of cases continues to grow to free unlikely to happen as the disease up hospital resources to treat patterns are different. other patients. He said: "It may well be that

She noted that Sars and Covid-19 other parts of the world," he said, did, said Prof Pangestu, referring spread differently, with patients This made containment a diffi-

> might have to live with its contin- be considered in charting the tra-Prof Pangestu said: "The third sce-stressed the importance of contin-

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This makes containment... a very difficult task. So, I think those are the characteristics of this virus that we have to bear in mind (as we look into) the trajectory of the future epidemic.

PROFESSOR LEO YEE SIN, executive director of the National Centre for Infectious Diseases. Prof Leo said the way the virus is "secreted" varies between patients with Sars and those with Covid-19 with patients diagnosed with the latter secreting the virus earlier.

LIVING WITH THE VIRUS

The third scenario is what the WHO is thinking of. It is going to become part of our daily existence.

PROFESSOR TIKKI PANGESTU, a visiting rofessor at the Lee Kuan Yew School of Public Policy, on the virus becoming endemic and mankind possibly having to ve with its continued existence like other viruses such as H1N1 or swine flu

the toilet and back to your seat."

The interactions one has with fel-

low passengers on a plane is there-

fore very limited, Prof Mak said.

Any spread that takes place would

He said: "Conventionally, we talk

about investigating and looking at

people who might be seated in the

same row as you are if you're sick,

two rows in front and two rows be-

In contrast, most interactions on

a cruise ship occur during social ac-

tivities such as meals, Prof Mak

noted. Ship passengers also inter-

act with one another much more

The possibility of a virus spread-

ing is therefore potentially much

Ms Khalik also asked the panel if

it is safe to travel during the upcom-

ing March and June school holidays.

ing professor at the Lee Kuan Yew

School of Public Policy and former

sation's Research Policy and Coop-

"I think it depends on your thresh-

tries (with more cases), there are

nigher-risk areas. In Italy, it is the

"But, personally, I think that Sin-

capore is the safest place."

Panellist Tikki Pangestu, a visit-

higher in a ship, Prof Mak said.

than plane passengers.

hind vou."

occur in the vicinity of the seat.

Jury still out on how infectious asymptomatic patients are

Q: Can Singapore expect a sudden surge in new cases?

can occur for a variety of different half or two years. reasons. It could be a situation where you have many cases com- have been with us for long periborder as a result of high numbers many companies trying to proof community spread within duce vaccines that have so far those countries.

We are an international air hub, so it's difficult for us to close all **Q:** *There is a Covid-19 test kit being* our borders and therefore trav- used at checkpoints that can ellers coming from other countries may still come to Singapore. Many patients with Covid-19 in the hospitals?

fact have very mild disease. They **Prof Mak:** The tests we do at the They carry on with their social acfact similar tivities, they go off to work, and when that happens, there's always that potential for spread.

Q: Can people who do not have symptoms spread the virus? virus. But the jury is still out on whether these people can trans-

mit the virus to others. **Prof Mak:** We still don't know three hours. how infectious an asymptomatic pore. We think there's a risk of be a little bit more. spread but we don't know exactly

how big that is. droplets and contaminated surimity to them.

Q: If Singapore sees a big jump in be able to cope with, say, 300 to 400 new cases a day?

Prof Mak: We need to be very careful to make sure we don't forget about patients with other medical conditions whose care otherwise will be compromised as a reto the healthcare system and receive the treatments they require. The majority of people with

Covid-19 in fact have mild disease. in terms of how we treat this particular infection.

It may well be that when there are many cases in the community, we may have to look at whether some patients with very mild disease might be safely managed in vent further spread. We haven't the community with adequate measures to isolate them and make sure they are safe and not

spreading their illness to other **Prof Hsu:** I think if there were and what the risks are for school-300 or 400 cases a day, then at children, there might be a possibilsome point, the healthcare sys- ity for us to restart some of these tem is not going to be able to cope activities as well. and a different strategy will be

But even before it gets there, I counting Covid-19 cases.

Currently, this is not happening because there's a National Centre for Infectious Diseases that ab-

sorbs a lot of these cases. But if the case count rises and

Q: *Is a Covid-19 vaccine coming in* the next few months and will it solve the problem?

nouncing candidate vaccines and these have to undergo testing in ties a little bit more carefully. animals first, and then undergo three phases of human trials, which will take place over the course of a year.

everything goes well, we still have sider a series of trade-offs. to buy them.

Prof Mak: If we look at the timeline when we start off with a candi-

use in populations around the world, that will be more than a **Prof Mak:** Yes. A surge in cases year. It could easily be a year and a

There are some conditions that ing from countries outside your ods of time and there have been not been successful.

don't even think they're very sick. borders and in the hospitals are in

place. In our hospitals, they do per-

A similar test is done at the bor-

Q: Why not give the kit to GPs?

We want to empower GPs to much as possible but we are really looking at new technologies, something easy to do, which can

There are several tests being developed but none has reached the stage where we think it can be actually commercially available.

inter-school sports activities and the like. Is that likely to go on? Are we doing enough, or should we

we don't think we've reached a stage where we need to necessarilv tell all schools to close for long

reached that stage as yet but it's As we have a better understand-

ing of how the disease spreads

Prof Pangestu: Based on the evidence and epidemiology, young children losing out on their educational opportunities.

community centre activities? the beds in the other hospitals, for **Prof Mak:** The older population is example, are taken up by certainly more vulnerable to infec-Covid-19 cases, then you can see tion. Many of them have other that it will impact care for a lot of medical problems as well and, as a other chronic conditions. result, they may not have a strong immune system.

These are things we're studying and we'll take the necessary mea-

to make enough vaccine because If you close schools, the kids are

every country will be queueing up at home, someone has to look after them, and there are conse-

If you keep all the old people at

Patients in Safra Jurong cluster had that others could have caught the disease when they gathered for other social activities. more than just a dinner in common He said: "So, it extends well beyond that particular dinner itself they're coming together for karaoke classes, they're going out together,

Singapore's biggest cluster of SEVERALACTIVITIES Covid-19 patients, traced to a restaurant in Jurong, had more than just a dinner in common, said Ministry of Health director of medical services Kenneth Mak yesterday.

"We've recognised that many of the individuals linked to this particular group of people getting infected had many common social activities," said Associate Professor Mak, pointing to other gatherings such as singing classes that infected individuals had taken part in to-"So, in fact, their social interac-

tions went well beyond the dinner in that particular location, and as a **this particular cluster.** result of those close activities... that's where the spread is actually occurring," he said. Prof Mak was responding to ques-

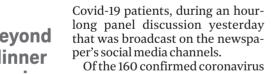
tions from The Straits Times' senior



It extends well beyond that particular dinner itself - they're coming together for karaoke classes, they're going out together, they're

going on social activities together. So, that seems to be the common pattern with

HEALTH MINISTRY'S DIRECTOR OF health correspondent Salma Khalik MEDICAL SERVICES KENNETH MAK, on Singapore's largest cluster of on the Safra Jurong cluster.



per's social media channels. Of the 160 confirmed coronavirus cases in Singapore, 36 can be traced to a Feb 15 Chinese New Year celebration at Safra Jurong, making it the nation's largest cluster. The function, attended by members of a Hokkien singing group,

was held in the ballroom of Joy Garden restaurant. Prof Mak said it was unfortunate ecutive director of the National Centhat it had been named the "Safra tre for Infectious Diseases, said yescluster", noting: "It just so hapterday, viruses can be transmitted pened that the dinner was held through direct or indirect droplet

transmission, and that the two are Nonetheless, it was the event that not mutually exclusive. For example, individuals who led to this cluster being recognised and identified, he said. spend time together in close proxlikely that some patients had been surfaces.

Prof Mak said that while it was imity would be exposed to the same Prof Mak explained: "It's more infected during the dinner, epidemiological and contact tracing found likely in that sort of setting that if you had been coughing or sneezing... you (would have) touched surfaces. And it's likely that in that setting, I would have touched (the same) surfaces as well. So, from that point of view, it's hard to tell

> whether one particular mode is more important.' Prof Leo and Prof Mak were two of four experts who took part in yesterday's panel discussion.

The others were Professor Tikki Pangestu, a visiting professor at the Lee Kuan Yew School of Public Policy and former director of the World Health Organisation's research policy and cooperation department, and Associate Professor Hsu Li Yang, infectious diseases programme leader at the National University of Singapore's Saw Swee Hock School of Public Health. The experts emphasised the importance of personal hygiene in

combating the spread of the dis-

Said Prof Leo: "If you are not feel-

ng well, remove yourself, isolate

vourself, seek treatment."

Prof Leo explained that the puran airborne condition or not; it is transmission." just merely telling you that the virus is scattered around in the iso- Audrey Tan

route of transmission.

Determining whether the virus could be an airborne one required Professor Leo Yee Sin, executive a different set of experiments, she "Currently, we are progres-

sively inching up... to answer these questions, whether or not an airborne one, experts told The erated a panel discussion with

four experts on Covid-19. Associate Professor Kenneth that the main way the virus is Mak, director of medical services spread is through respiratory at the Ministry of Health, who was also on yesterday's panel, said the The findings from the NCID findings from the NCID study study, which was published in the were consistent with what is cur-Journal of the American Medical rently known about how the virus Association last Wednesday, had spreads through respiratory

He noted that the air-conditiontensive environmental contami- ing systems in isolation rooms were not like those in homes. Prof Mak noted that air-conditioning units in homes are usually

post-cleaning samples were negavents are located at the bottom, air is prevented from "spilling over" into other spaces.

"So when you take a swab and headlines on how this could be a flow that comes through," said

pose of the study was to look into a home where you have an air-conenvironment contamination ditioning vent and you assume rather than how the virus spreads. therefore it's airborne. This is not. "It is not so much to prove if it is This is predominantly still droplet

Singapore will continue to accept ships that are based here, including cruise ships, said the Health Min- to Singapore? And the istry's director of medical services Kenneth Mak yesterday. He added that Singapore has had **yes, because we think**

vigilance to make sure that none of (the passengers) are infected, and if

they are, then we must be vigilant

S'pore will continue to accept cruise

country since the Covid-19 outbreak began in January, just as the situation. planes have not stopped taking passengers in and out of the country. "What's important is recognising the risk that infections may occur on ships and they can spread very easily," said Associate Professor Mak. "What's important is that as we receive some of these ships back in Singapore, we have a high degree of

ASSOCIATE PROFESSOR HSU LIYANG, of Swee Hock School of Public Health.



The Costa Fortuna cruise ship will dock in Singapore as scheduled today. Passengers will undergo health checks to ensure they are healthy prior to disembarkation. PHOTO: COSTA CRUISES WEBSITE

The next question is, should tourists come answer, we think, is we've got a handle on

identify them, isolate them and control any further spread." Prof Mak was responding to questions from The Straits Times' senior health correspondent Salma Khalik on whether Singapore should stop cruise ships from docking here as other countries have done. Ms Khalik also asked during yes-

terday's panel discussion, which was broadcast on the newspaper's social media channels, if cruise ships pose a greater danger of infection compared to planes. Prof Mak said ships and planes are similar in that passengers cannot leave halfway through a jour-

ney, but he added that the dynamics of social interaction are very difdirector of the World Health Organiferent between the two. "If you're on a plane, you're spenderation department, said it is fine to ing most of your time... in your travel to countries that have not seat," he said. "You may get out of seen much local transmission. that seat and walk down the aisle. old of risk taking. Even within coun-

> northern part of the country, and in South Korea, it's mostly Daegu, not the whole country," he said. "So I think you just have to make, let's say, a judgment based on your own individual risk levels." Associate Professor Hsu Li Yang of the National University of Singapore's Saw Swee Hock School of Public Health said cutting back on non-essential travel and paying atention to which countries are seeing a rise in cases suggesting community spread is going to be the "new normal" for a while. He added: "The next question is, should tourists come to Singapore? And the answer, we think, is yes, because we think we've got a handle on the situation.' Professor Leo Yee Sin, executive director of the National Centre for nfectious Diseases, said: "We also have to watch out in terms of introduction and importation.

deliver results in three hours. How is it different from the tests used in

Each time you do a test, it will take roughly between two and four hours for a full run to take haps 200 to 300 or even more on any day. There's a need to make **Prof Hsu:** The data does show sure that our labs are doing this in that patients can be asympto- a very efficient way, and therematic and test positive for the forethey would do batch testing. Depending on when that test sample comes to the lab, the results may take a little longer than

person would be. If that were the ders, except that the scale is differdominant part of transmission, ent. The lab does maybe one or we'd be seeing a lot more cases in- two tests in a day. Sometimes, perternationally and even in Singa- haps on a busy day, there might

The dominant mode of trans- **Prof Mak:** At this point, we don't mission is still in patients who are think that's necessarily the best symptomatic, spreading through thing to do for GPs.

faces to other people in close prox- have the ability to test for this as

maybe even faster, and that allows real-time decision-making.

sult of not being able to get access **Q:** The Government has stopped

We may have to relook paradigms **Prof Mak:** At this point in time, periods of time. That's occurred in several other countries as an attempt to pre-

> not a measure that we have completely dismissed.

children are not the group that's think we are going to see an im- most affected. So there are people pact on other types of diseases, who would say that school closure like heart attack or cancer. This is is a little bit of an overreaction in the cost we will see if we are just terms of the opportunity cost for

> **Q:** What about older people? Should we think about reducing

It's important that we think about what we need to do therefore to protect them, their wel-**Prof Hsu:** I think it's important to fare, and sometimes it would necunderstand that people are an- essarily be that we may want to think about managing their activi-

sures and make the relevant announcements accordingly. At any point, the vaccine can **Prof Hsu:** I think what is clear is possibly fail. Even assuming that that we are now having to con-

date vaccine, and then work home and they don't interact, through all those studies until we then there are other consereach a stage where we are confiquences as well. So I think it's all dent it may be something we can about balancing that risk now.



No evidence Covid-19 can spread through air-con systems

There is currently no evidence lation facilities." that Covid-19 can spread through air-conditioning systems, said director of the National Centre for pointed out

Infectious Diseases (NCID) yester-While a recent study by NCID researchers had found that the virus the virus could be spread through causing Covid-19 could be found droplets, or whether or not it is airin isolation facilities – including borne transmission," she said in in an air duct connected to the response to a question from The room of one of the patients – it Straits Times senior health corredoes not prove that this disease is spondent Salma Khalik, who mod-

Straits Times yesterday. Preliminary studies have shown

found that a Covid-19 patient with droplets. mild symptoms could cause "exnation" in an isolation room, before it was cleaned. Samples taken from the toilet tient had tested positive for the ingaround the room. presence of the virus, although

tive, suggesting that current decontamination measures are suf-The study also suggested that "small virus-laden droplets may find viruses around the vents, it is be displaced by airflows and de- actually a combination of posited on equipment such as droplets falling by gravity into vents", prompting international those areas, as well as a bit of air-

bowl and sink used by one pa- located at the top, with air circulat-But in isolation rooms, the and airflow is tightly controlled so

> Prof Mak. "It's not the same situation as in

ships despite higher risk of spread

Rei Kurohi

aged in the community with ade-

not spreading their illness to

ships coming into and leaving the

 $the \,National \,University \,of \,Singapore's \,Saw$

