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# China delayed releasing coronavirus info, frustrating WHO

By The Associated Press 2 hours ago



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Throughout January, the World Health Organization publicly praised China for what it called a speedy response to the new coronavirus. It repeatedly thanked the Chinese government for sharing the genetic map of the virus “immediately,” and said its work and commitment to transparency were “very impressive, and beyond words.”

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among WHO officials over not getting the information they needed to fight the spread of the deadly virus, The Associated Press has found.

Despite the plaudits, China in fact sat on releasing the genetic map, or genome, of the virus for more than a week after three different government labs had fully decoded the information. Tight controls on information and competition within the Chinese public health system were to blame, according to dozens of interviews and internal documents.

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Chinese government labs only released the genome after another lab published it ahead of authorities on a virologist website on Jan. 11. Even then, China stalled for at least two weeks more on providing WHO with detailed data on patients and cases, according to recordings of internal meetings held by the U.N. health agency through January — all at a time when the outbreak arguably might have been dramatically slowed.



WHO director-general Tedros Ghebreyesus speaks during a news conference in Geneva in March. (Salvatore Di Nolfi/Keystone via AP)

WHO officials were lauding China in public because they wanted to coax more information out of the government, the recordings obtained by the AP suggest. Privately, they complained in meetings the week of Jan. 6 that China was not sharing enough data to assess how effectively the virus spread between people or what risk it posed to the rest of the world, costing

epidemiologist Maria Van Kerkhove, now WHO's technical lead for COVID-19, in one internal meeting. "It's clearly not enough for you to do proper planning."

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"We're currently at the stage where yes, they're giving it to us 15 minutes before it appears on CCTV," said WHO's top official in China, Dr. Gauden Galea, referring to the state-owned China Central Television, in another meeting.

The story behind the early response to the virus comes at a time when the U.N. health agency is under [siege](#), and has agreed to an [independent probe](#) of how the pandemic was handled globally. After repeatedly praising the Chinese response early on, U.S. President Donald Trump has blasted WHO in recent weeks for allegedly colluding with China to hide the extent of the coronavirus crisis. He [cut ties with the organization](#) on Friday, jeopardizing the approximately \$450 million the U.S. gives every year as WHO's biggest single donor.

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In the meantime, Chinese President Xi Jinping has vowed to pitch in \$2 billion over the next two years to fight the coronavirus, saying China has always

provided information to WHO and the world "in a most timely fashion."

The new information does not support

trying to solicit more data despite limited authority. Although international law obliges countries to report information to WHO that could have an impact on public health, the U.N. agency has no enforcement powers and cannot independently investigate epidemics within countries. Instead, it must rely on the cooperation of member states.

The recordings suggest that rather than colluding with China, as [Trump declared](#), WHO was itself kept in the dark as China gave it the minimal information required by law. However, the agency did try to portray China in the best light, likely as a means to secure more information. And WHO experts genuinely thought Chinese scientists had done “a very good job” in detecting and decoding the virus, despite [the lack of transparency](#) from Chinese officials.

WHO staffers debated how to press China for gene sequences and detailed patient data without angering authorities, worried about losing access and getting Chinese scientists into trouble. Under international law, WHO is required to quickly share information and alerts with member countries about an evolving crisis. Galea noted WHO could not indulge China’s wish to sign off on information before telling other countries because “that is not respectful of our responsibilities.”

In the second week of January, WHO’s chief of emergencies, Dr. Michael Ryan, told colleagues it was time to “shift gears” and apply more pressure on China, fearing a repeat of the outbreak of Severe Acute Respiratory Syndrome that started in China in 2002 and killed nearly 800 people worldwide.

“This is exactly the same scenario, endlessly trying to get updates from China about what was going on,” he said. “WHO barely got out of that one with its neck intact given the issues that

arose around transparency in southern China.”

Ryan said the best way to “protect

...the virus with [even longer delays of weeks](#) and [even months](#).

“Since the beginning of the outbreak, we have been continuously sharing information on the epidemic with the WHO and the international community in an open, transparent and responsible manner,” said Liu Mingzhu, an official with the National Health Commission’s International Department, at a [press conference](#) on May 15.

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The race to find the genetic map of the virus started in late December, according to the story that unfolds in interviews, documents and the WHO recordings. That’s when doctors in Wuhan noticed mysterious clusters of patients with fevers and breathing problems who weren’t improving with standard flu treatment. Seeking answers, they sent test samples from patients to commercial labs.

By Dec. 27, one lab, Vision Medicals, had pieced together most of the genome of a new coronavirus with striking similarities to SARS. Vision Medicals shared its data with Wuhan officials and the Chinese Academy of Medical Sciences, as reported first by [Chinese finance publication Caixin](#) and independently confirmed by the AP.

On Dec. 30, Wuhan health officials issued internal notices warning of the unusual pneumonia, which leaked on social media. That evening, Shi Zhengli, a coronavirus expert at the Wuhan Institute of Virology who is famous for having traced the SARS virus to a bat cave, was alerted to the new disease, according to [an interview with Scientific American](#). Shi took the first train from a conference in Shanghai back to Wuhan.

The next day, Chinese CDC director Gao Fu dispatched a team of experts to Wuhan. Also on Dec. 31, WHO first learned about the cases from an open-source platform that scouts for

intelligence on outbreaks, emergencies chief Ryan has said.

WHO officially requested more

two days later that there were 44 cases and no deaths.

By Jan. 2, Shi had decoded the entire genome of the virus, according to [a notice later posted on her institute's website](#).

Scientists agree that Chinese scientists detected and sequenced the then-unknown pathogen with astonishing speed, in a testimony to China's vastly improved technical capabilities since SARS, during which a WHO-led group of scientists took months to identify the virus. This time, Chinese virologists proved within days that it was a never-before-seen coronavirus. Tedros would later say Beijing set "a new standard for outbreak response."

But when it came to sharing the information with the world, things began to go awry.

On Jan. 3, the National Health Commission issued a confidential notice ordering labs with the virus to either destroy their samples or send them to designated institutes for safekeeping. The notice, first reported by Caixin and seen by the AP, forbade labs from publishing about the virus without government authorization. The order barred Shi's lab from publishing the genetic sequence or warning of the potential danger.

Chinese law states that research institutes cannot conduct experiments on potentially dangerous new viruses without approval from top health authorities. Although the law is intended to keep experiments safe, it gives top health officials wide-ranging powers over what lower-level labs can or cannot do.

"If the virologist community had operated with more autonomy....the public would have been informed of the lethal risk of the new virus much earlier," said Edward Gu, a professor at Zhejiang University, and Li Lantian, a

PhD student at Northwestern University, in [a paper published in March](#) analyzing the outbreak.

government labs with identifying the genome at the same time to get accurate, consistent results.

By Jan. 3, the Chinese CDC had independently sequenced the virus, according to internal data seen by the Associated Press. And by just after midnight on Jan. 5, a third designated government lab, the Chinese Academy of Medical Sciences, had decoded the sequence and submitted a report — pulling all-nighters to get results in record time, according to [a state media interview](#).

Yet even with full sequences decoded by three state labs independently, Chinese health officials remained silent. The WHO reported on Twitter that investigations were under way into an unusual cluster of pneumonia cases with no deaths in Wuhan, and said it would share “more details as we have them.”

Meanwhile, at the Chinese CDC, gaps in coronavirus expertise proved a problem.

For nearly two weeks, [Wuhan reported no new infections](#), as officials censored doctors who warned of suspicious cases. Meanwhile, researchers found the new coronavirus used a distinct spike protein to bind itself to human cells. The unusual protein and the lack of new cases lulled some Chinese CDC researchers into thinking the virus didn't easily spread between humans — like the coronavirus that causes Middle East respiratory syndrome, or MERS, according to an employee who declined to be identified out of fear of retribution.

Li, the coronavirus expert, said he immediately suspected the pathogen was infectious when he spotted a leaked copy of a sequencing report in a group chat on a SARS-like coronavirus. But the Chinese CDC team working on the genetic sequence lacked molecular specialists and failed to consult with outside scientists, Li said. Chinese health authorities rebuffed offers of assistance from foreign experts, including Hong Kong scientists barred from a fact-finding mission to Wuhan

Health Center, led by famed virologist Zhang Yongzhen, was the latest to sequence the virus. He submitted it to the GenBank database, where it sat awaiting review, and notified the National Health Commission. He warned them that the new virus was similar to SARS and likely infectious.

“It should be contagious through respiratory passages,” the center said in an internal notice seen by the AP. “We recommend taking preventative measures in public areas.”

On the same day, WHO said that based on preliminary information from China, there was no evidence of significant transmission between humans, and did not recommend any specific measures for travelers.

The next day, the Chinese CDC raised its emergency level to the second highest. Staffers proceeded to isolate the virus, draft lab testing guidelines, and design test kits. But the agency did not have the authority to issue public warnings, and the heightened emergency level was kept secret even from many of its own staff.

By Jan. 7, [another team at Wuhan University](#) had sequenced the pathogen and found it matched Shi’s, making Shi certain they had identified a novel coronavirus. But Chinese CDC experts said they didn’t trust Shi’s findings and needed to verify her data before she could publish, according to three people familiar with the matter. Both the National Health Commission and the Ministry of Science and Technology, which oversees Shi’s lab, declined to make Shi available for an interview.

A major factor behind the gag order, some say, was that Chinese CDC researchers wanted to publish their papers first. “They wanted to take all the credit,” said Li Yize, a coronavirus researcher at the University of Pennsylvania.

Internally, the leadership of the Chinese CDC is plagued with fierce competition, six people familiar with the system



journalists, making scientists reluctant to share data.

As the days went by, even some of the Chinese CDC's own staff began to wonder why it was taking so long for authorities to identify the pathogen.

"We were getting suspicious, since within one or two days you would get a sequencing result," a lab technician said, declining to be identified for fear of retribution.

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On Jan. 8, [the Wall Street Journal](#) reported that scientists had identified a new coronavirus in samples from pneumonia patients in Wuhan, pre-empting and embarrassing Chinese officials. The lab technician told the AP they first learned about the discovery of the virus from the Journal.

The article also embarrassed WHO officials. Dr. Tom Grein, chief of WHO's acute events management team, said the agency looked "doubly, incredibly stupid." Van Kerkhove, the American expert, acknowledged WHO was "already late" in announcing the new virus and told colleagues that it was critical to push China.

Ryan, WHO's chief of emergencies, was also upset at the dearth of information.

"The fact is, we're two to three weeks into an event, we don't have a laboratory diagnosis, we don't have an age, sex or geographic distribution, we don't have an epi curve," he complained, referring to the standard graphic of outbreaks scientists use to show how an epidemic is progressing.

After the article, state media officially announced [the discovery](#) of the new coronavirus. But even then, Chinese health authorities did not release the genome, diagnostic tests, or detailed patient data that could hint at how infectious the disease was.

By that time, suspicious cases were already appearing across the region.

On Jan. 8, Thai airport officers pulled aside a woman from Wuhan with a runny nose, sore throat, and high

with a few colleagues, much like what Chinese officials had described.

Supaporn partially figured out the genetic sequence by Jan. 9, reported it to the Thai government and spent the next day searching for matching sequences.

But because Chinese authorities hadn't published any sequences, she found nothing. She could not prove the Thai virus was the same one sickening people in Wuhan.

"It was kind of wait and see, when China will release the data, then we can compare," said Supaporn.

On Jan. 9, a 61-year-old man with the virus passed away in Wuhan — [the first known death](#). The death wasn't made public until Jan. 11.

WHO officials complained in internal meetings that they were making repeated requests for more data, especially to find out if the virus could spread efficiently between humans, but to no avail.

"We have informally and formally been requesting more epidemiological information," WHO's China representative Galea said. "But when asked for specifics, we could get nothing."

Emergencies chief Ryan grumbled that since China was providing the minimal information required by international law, there was little WHO could do. But he also noted that last September, WHO had issued an unusual public rebuke of Tanzania for not providing enough details about a worrisome Ebola outbreak.

"We have to be consistent," Ryan said. "The danger now is that despite our good intent...especially if something does happen, there will be a lot of finger-pointing at WHO."

Ryan noted that China could make a "huge contribution" to the world by sharing the genetic material immediately, because otherwise "other

countries will have to reinvent the wheel over the coming days."

On Jan. 11, a team led by Zhang from

swap tips on pathogens. The move angered Chinese CDC officials, three people familiar with the matter said, and the next day, his laboratory was temporarily shuttered by health authorities.

Zhang referred a request for comment to the Chinese CDC. The National Health Commission, which oversees the Chinese CDC, declined multiple times to make its officials available for interviews and did not answer questions about Zhang.

Supaporn compared her sequence with Zhang's and found it was a 100% match, confirming that the Thai patient was ill with the same virus detected in Wuhan. Another Thai lab got the same results. That day, Thailand informed the WHO, said Tanarak Plipat, deputy director-general of the Department of Disease Control at Thailand's Ministry of Public Health.

After Zhang released the genome, the Chinese CDC, the Wuhan Institute of Virology and the Chinese Academy of Medical Sciences raced to publish their sequences, working overnight to review them, gather patient data, and send them to the National Health Commission for approval, according to documentation obtained by the AP. On Jan. 12, the three labs together finally published the sequences on GISAID, a platform for scientists to share genomic data.

By then, more than two weeks had passed since Vision Medicals decoded a partial sequence, and more than a week since the three government labs had all obtained full sequences. Around 600 people were infected in that week, a roughly three-fold increase.

Some scientists say the wait was not unreasonable considering the difficulties in sequencing unknown pathogens, given accuracy is as important as speed. They point to the SARS outbreak in 2003 when some

Chinese scientists initially — and wrongly — believed the source of the epidemic was chlamydia.

EcoHealthAlliance in New York. “It’s actually worse to go out to go to the public with a story that’s wrong because the public completely lose confidence in the public health response.”

Still, others quietly question what happened behind the scenes.

Infectious diseases expert John Mackenzie, who served on a WHO emergency committee during the outbreak, praised the speed of Chinese researchers in sequencing the virus. But he said once central authorities got involved, detailed data trickled to a crawl.

“There certainly was a kind of blank period,” Mackenzie said. “There had to be human to human transmission. You know, it’s staring at you in the face... I would have thought they would have been much more open at that stage.”

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On Jan. 13, WHO announced that Thailand had a confirmed case of the virus, jolting Chinese officials.

The next day, in a confidential teleconference, China’s top health official ordered the country to prepare for a pandemic, calling the outbreak the “most severe challenge since SARS in 2003”, as [the AP previously reported](#). Chinese CDC staff across the country began screening, isolating, and testing for cases, turning up hundreds across the country.

Yet even as the Chinese CDC internally declared a level one emergency, the highest level possible, Chinese officials still said the chance of sustained transmission between humans was low.

WHO went back and forth. Van Kerkhove said in a press briefing that “it is certainly possible there is limited human-to-human transmission.” But hours later, WHO seemed to backtrack, and [tweeted](#) that “preliminary investigations conducted by the Chinese authorities have found no clear evidence of human-to-human transmission” – a statement that later became fodder for critics.

to make direct, informal contacts with Chinese officials, recordings show. Liu's former classmate, a Wuhan doctor, had alerted him that pneumonia patients were flooding the city's hospitals, and Liu pushed for more experts to visit Wuhan, according to a public health expert familiar with the matter.

On Jan. 20, the leader of an expert team returning from Wuhan, renowned government infectious diseases doctor Zhong Nanshan, declared publicly for the first time that the new virus was spreading between people. Chinese President Xi Jinping called for the "timely publication of epidemic information and deepening of international cooperation."

Despite that directive, WHO staff still struggled to obtain enough detailed patient data from China about the rapidly evolving outbreak. That same day, the U.N. health agency dispatched a small team to Wuhan for two days, including Galea, the WHO representative in China.

They were told about a worrying cluster of cases among more than a dozen doctors and nurses. But they did not have "transmission trees" detailing how the cases were connected, nor a full understanding of how widely the virus was spreading and who was at risk.

In an internal meeting, Galea said their Chinese counterparts were "talking openly and consistently" about human-to-human transmission, and that there was a debate about whether or not this was sustained. Galea reported to colleagues in Geneva and Manila that China's key request to WHO was for help "in [communicating this](#) to the public, without causing panic."

On Jan. 22, WHO convened an independent committee to determine whether to declare a global health emergency. After two inconclusive meetings where experts were split, they decided against it — even as Chinese officials [ordered Wuhan sealed](#) in the biggest quarantine in history. The next day, WHO chief Tedros publicly



Chinese government on whether the virus could easily spread between people. Ryan also noted that China was not cooperating in the same way some other countries had in the past.

“This would not happen in Congo and did not happen in Congo and other places,” he said, probably referring to the Ebola outbreak that began there in 2018. “We need to see the data.....It’s absolutely important at this point.”

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The delay in the release of the genome stalled the recognition of its spread to other countries, along with the global development of tests, drugs and vaccines. The lack of detailed patient data also made it harder to determine how quickly the virus was spreading — a critical question in stopping it.

Between the day the full genome was first decoded by a government lab on Jan. 2 and the day WHO declared a global emergency on Jan. 30, the outbreak spread by a factor of 100 to 200 times, according to [retrospective infection data](#) from the Chinese Center for Disease Control and Prevention. The virus has now infected over 6 million people worldwide and killed more than 375,000.

“It’s obvious that we could have saved more lives and avoided many, many deaths if China and the WHO had acted faster,” said Ali Mokdad, a professor at the Institute for Health Metrics and Evaluation at the University of Washington.

However, Mokdad and other experts also noted that if WHO had been more confrontational with China, it could have triggered a far worse situation of not getting any information at all.





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(AP Photo/Sar

The sun sets behind the Wuhan Yangtze Bridge and the Tortoise Mountain TV Tower in Wuhan in central China's Hubei province, Feb. 6, 2020.

If WHO had pushed too hard, it could even have been kicked out of China, said Adam Kamradt-Scott, a global health professor at the University of Sydney. But he added that a delay of just a few days in releasing genetic sequences can be critical in an outbreak. And he noted that as Beijing's lack of transparency becomes even clearer, WHO director-general Tedros Adhanom Ghebreyesus's continued defense of China is problematic.

"It's definitely damaged WHO's credibility," said Kamradt-Scott. "Did he go too far? I think the evidence on that is clear....it has led to so many questions about the relationship between China and WHO. It is perhaps a cautionary tale."

WHO and its officials named in this story declined to answer questions asked by The Associated Press without audio or written transcripts of the recorded meetings, which the AP was unable to supply to protect its sources.

"Our leadership and staff have worked night and day in compliance with the organization's rules and regulations to support and share information with all Member States equally, and engage in frank and forthright conversations with governments at all levels," a WHO statement said.

China's National Health Commission and the Ministry of Foreign Affairs had no comment. But in the past few

detailed data, even as its case count exploded. Beijing city officials were alarmed enough to consider locking down the capital, according to a medical expert with direct knowledge of the matter.

On Jan. 28, Tedros and top experts, including Ryan, made [an extraordinary trip to Beijing](#) to meet President Xi and other senior Chinese officials. It is highly unusual for WHO's director-general to directly intervene in the practicalities of outbreak investigations. Tedros' staffers had prepared a list of requests for information.

"It could all happen and the floodgates open, or there's no communication," Grein said in an internal meeting while his boss was in Beijing. "We'll see."

At the end of Tedros' trip, WHO announced China had agreed to accept an international team of experts. In a press briefing on Jan. 29, Tedros heaped praise on China, calling its level of commitment "incredible."

The next day, WHO finally declared [an international health emergency](#). Once again, Tedros thanked China, saying nothing about the earlier lack of cooperation.

"We should have actually expressed our respect and gratitude to China for what it's doing," Tedros said. "It has already done incredible things to limit the transmission of the virus to other countries."

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