

UWL REPOSITORY
repository.uwl.ac.uk

Geographical and epidemiological characteristics of sporadic coronavirus disease 2019 outbreaks from June to December 2020 in China: an overview of environment-to-human transmission events

Feng, Maohui, Ling, Qiong, Xiong, Jun, Manyande, Anne ORCID: <https://orcid.org/0000-0002-8257-0722>, Xu, Weiguo and Xiang, Boqi (2021) Geographical and epidemiological characteristics of sporadic coronavirus disease 2019 outbreaks from June to December 2020 in China: an overview of environment-to-human transmission events. *Frontiers in Medicine*, 8.

<http://dx.doi.org/10.3389/fmed.2021.654422>

This is the Supplemental Material of the final output.

UWL repository link: <https://repository.uwl.ac.uk/id/eprint/8193/>

Alternative formats: If you require this document in an alternative format, please contact: open.research@uwl.ac.uk

Copyright:

Copyright and moral rights for the publications made accessible in the public portal are retained by the authors and/or other copyright owners and it is a condition of accessing publications that users recognise and abide by the legal requirements associated with these rights.

Take down policy: If you believe that this document breaches copyright, please contact us at open.research@uwl.ac.uk providing details, and we will remove access to the work immediately and investigate your claim.

Table 2 The analysis of COVID-19 pandemic between Wuhan and Beijing

	COVID-19 pandemic in Wuhan	COVID-19 pandemic in Beijing
The first identified case	symptom onset on December 8, 2019, and confirmed on December 10, 2019	symptom onset on June 9, 2020, and confirmed on June 11, 2020
The possible source of epidemiological link	Huanan Seafood market	Xinfadi food/seafood market, in the Beijing city's south-western Fengtai district
Information of the World Health Organization	Wuhan authorities informed the World Health Organization on December 31, 2019 about the unknown, pneumonialike illness that would later be identified as COVID-19.	National Health Commission and Beijing Health Commission briefed WHO's China country office, to share details of preliminary investigations ongoing in Beijing on June 13, 2020.
Environmental samples from two markets	SARS-CoV-2-positive	SARS-CoV-2-positive
Closing date of wet market	January 1, 2020	June 13, 2020
Traced exposures	there is a strong indication that untraced exposures other than the one in the epidemiologically linked seafood market in Wuhan have occurred.	Only Xinfadi food Seafood/market
Date of city lockdown	Wuhan city shut down on January 23, 2020, and another 15 cities down on January 24, 2020.	Xinfadi market and surrounding neighbourhoods had been adopted lockdown measures on June 13, 2020.
strict lockdown measures	China's coronavirus outbreak was brought under control through some of the world's strictest lockdown measures after the disease was detected in the city of Wuhan.	The Fengtai district was in a "wartime emergency mode", and hundreds of police had entered the locked-down facility. Nearby transport links and schools had been closed. Right across Beijing sport had been cancelled and major public facilities were pulling down the shutters.
COVID-19 testing	Limited detection during early periods of COVID-19 pandemic	When Beijing's second outbreak took off, the city immediately ramped up its COVID-19 testing.
A messaging APP as contact tracer	Wuhan turned a messaging APP into a contact tracer during late stage of COVID-19 pandemic	Local authorities across China have built programs into the messaging app. It tracked your movements and assigns you a color code based on where you've been. In parts of Beijing people could not enter buildings unless they had a green rating on China's contact tracing APP. A green rating means you could move around without restrictions. Anyone with an orange or red rating was not allowed to travel.
The possible source of SARS-CoV-2	unknown	It could have been hidden in imported frozen food products, or it was lurking in some dark and humid environment such as Xinfadi market, with the environment not having been disinfected or

		sterilized.
Results	The tables have turned after February 11, 2020	Since peaking on June 14 with 36 confirmed cases, the daily rise had been steadily dropping, with only nine recorded on June 21.