



International Society of Travel Medicine Promoting healthy travel worldwide Journal of Travel Medicine, 2020, 1–3 doi: 10.1093/jtm/taaa027 Editorial

# Editorial

# Solidarity with China as it holds the global front line during COVID-19 outbreak

Submitted 24 February 2020; Editorial Decision 24 February 2020; Accepted 27 February 2020

Key words: Coronavirus, Wuhan, epicentre, pandemic, panic, social media

On 27 December 2019, local health authorities in Wuhan received a report showing four cases of pneumonia patients carrying an unknown virus. On December 31, the World Health Organization (WHO) China Country Office was informed of cases of pneumonia of unknown cause. Within less than 2 weeks, China uploaded gene sequencing on January 10. The WHO declared a Public Health Emergency of International Concern (PHEIC) on January 30. As of February 24, 77 054 cases of the novel coronavirus disease 2019 (COVID-19) had been reported in China with more than 2400 deaths. Eight weeks into the outbreak, the number of cases outside of China to date is 1936 with 23 deaths.

The timeline of response in China was comparable if not faster to that of the 2009/2010 pandemic outbreak of the new influenza A (H1N1) virus in North America, which originated in Mexico on March 2009 and soon reached California and spread across the USA.1 This was reported to the WHO on April 18, and the gene sequencing was uploaded on April 24.1 The WHO declared a PHEIC on the next day (April 25) and raised the level of influenza pandemic alert from phase 3 to phase 5 in less than 5 days, signalling a pandemic was imminent. The WHO also requested that all countries immediately activate their preparedness plans and be on high alert for an unusual outbreak of an influenza-like illness and severe pneumonia. Within a month, by 18 May 2009, 8829 A/H1N1 cases had been reported in 40 countries. The level of influenza pandemic alert was eventually raised to phase 6, the highest level, on June 11. By the end of the pandemic, the US Centers for Disease Control and Prevention (CDC) estimated global deaths reached 151700-575400, with 60.8 million estimated cases, 274304 hospitalizations and 12 469 deaths in the USA.<sup>1</sup>

In response to COVID-19, China invested an unprecedented amount of resources in epidemic control in economic, sociocultural and personnel terms. Across the country, all economic activities and celebrations for the lunar new year were halted for more than 4 weeks starting in late January. The first city on complete lockdown was Wuhan in Hubei province, the epicentre, on January 23, followed by at least 48 cities and 4 provinces, affecting  $\sim$ 500 million people—6.3% of the world's population and more than the entire population of the USA or European Union. To contain the epidemic, China imposed travel restrictions on its own residents, denying travel visas to those wanting to leave and stopping all overseas tours—a self-imposed control measure intended to prevent the virus from spreading abroad.

Though the virus that causes COVID-19 seems to be highly contagious, as of February 24, the epidemic had been largely contained within Hubei province. In addition to Hubei, only 4 out of 32 provincial-level administrative divisions in mainland China had a cumulative confirmed case count over 1000, ranging from 1016 (Hunan) to 1342 (Guangdong);<sup>2</sup> all had laboratoryconfirmed deaths of fewer than 20.2 Within Hubei province, cases and deaths have been mostly concentrated in Wuhan and a handful of neighbouring cities (Figure 1).<sup>2</sup> These epidemic control efforts bought life-saving time for the rest of the country and the international community, allowing for more research on COVID-19 for treatment strategies, development and production of diagnostic testing and vaccines as well as local planning for epidemic preparedness and response. Table 1 presents the crude estimated case fatality rates (CFR) based on confirmed deaths over cases.<sup>2</sup> The numbers highlighted the tremendous stress on the physical and psychosocial health of the front-line workers. Furthermore, the call of duty as care provider, the guilt for not putting loved ones first, the risking of their own health and lives and even the mistreatment by their own community as potential disease carriers all added to the burden of their choice to fight this fight on the front lines.

Although it is impossible to ascertain the precise CFR for COVID-19 at this point in time, it has already become clear that the CFR is far lower than that of previous coronavirus outbreaks like SARS  $(10\%)^3$  or MERS (34.4%),<sup>4</sup> and public communication and media reporting should provide factual communication on epidemiological data available and be cautious in distinguishing 'real risks' vs 'perceived risks' in their messaging. The fatality rates reported outside of Hubei province are closer to the rates of exported cases reported by the international community (0.8 and 1.2%, respectively). The difference in fatality rates between Hubei vs non-Hubei provinces (3.7 and 0.8%, respectively) may be attributed to both clinical and non-clinical factors during a large-scale public health emergency such as a lack of information regarding the health threat during early

HUBEI PROVINCE (湖北)	CONFIRMED CASES (CURRENT)	CUMULATIVE CONFIRMED CASES	DEATHS	RECOVERED	
Wuhan (武汉)	36156	46201	1856	8189	
Xiaogan (孝感)	2263	3443	102	1078	
Huanggang (黄冈)	1266	2904	98	1540	
Ezhou (鄂州)	922	1379	40	417	
Jingzhou (荆州)	852	1574	41	681	
Suizhou (随州)	772	1300	30	498	
Xiangyang (襄阳)	682	1173	28	463	
Yichang (宜昌)	599	917	29	289	
Jingmen (荆门)	520	918	37	361	
Huangshi (黄石)	504	1001	29	468	
Xianning (咸宁)	427	836	11	398	
Shiyan (十堰)	398	667	2	267	
Xiantao (仙桃)	304	571	19	248	
Tianmen (天门)	249	494	13	232	
Enshizhou (恩施州)	125	251	3	123	
Qianjiang (潜江)	105	191	8	78	
Shennongjia (神农架)	1	11	0	10	
Pricons (防殺玄弦)	250	252	0	2	





<sup>(</sup>https://ncov.dxv.cn/ncovh5/view/pneumonia). Accessed on 24 February 2020

Figure 1. Confirmed COVID-19 cases in Hubei province<sup>2</sup>.

|--|

Data extracted on Cities in Hubei province   24 February 2020		Chinese provinces		China	International	
Location	Wuhan	Non-Wuhan	Hubei	Non-Hubei	3.2%	1.2%
Case fatality	4.0% (1856/46201)	2.7% (490/17883)	3.7% (2346/64084)	0.8% (100/12970)	(2446/77054)	(23/1936)

days of response, failure of the early-warning and mitigation systems, compromised standard of care, exceeded surge capacity and limited access to care.

An outbreak can happen anytime, anywhere, and can affect anyone. Unfortunately, the largest epidemic control effort ever put forth to contain one single epidemic in human history has been met with negativity from the international community, with the onset of strict travel restrictions, mass evacuations and widespread flight cancellations in early February, despite the WHO advising against them. This response was disproportionate to what was seen even at the highest level of global alert during the A/H1N1 pandemic. Before COVID-19 spread beyond mainland China, hostility had already emerged in lands far away from the epicentre with lamentable instances of fearmongering, racism in the media, misleading rumours and conspiracy theories and discrimination and violence against Chinese/East Asian expat communities. Stigmatization and discrimination during epidemics have been well-documented and consistently correlated with racism and xenophobia, often spread through the media.<sup>5, 6</sup> When diseases are thought to be deadly, some cope with their fears by blaming new outbreaks on individuals or groups outside of their own social circle. Often, people whose national, ethnic or religious backgrounds are different from those of the 'mainstream' group/media are accused of spreading the disease, exacerbating already existing racial and political tensions-e.g. Chinese people in the current outbreak and Africans during the Ebola epidemic.<sup>7</sup> In Asia, several media outlets have opted to use 'Wuhan pneumonia'8 instead of COVID-19 in their reporting even though the WHO has explicitly advised against naming new human infectious diseases with geographic locations or populations since 2015. By employing framing strategy to 'other' subgroup in society, the media draws attention to certain aspects of the issue and alienates one subcommunity from the rest of the population as the leading culpable factor for an outbreak. Such tactics often fuel public fear and discrimination and are often conveyed not only through descriptive narratives but also through the images shown to the audience as part of the news story. A recent Wall Street Journal opinion piece7 did just that with selected images and a racist headline-'China Is the Real Sick Man of Asia'-referencing a phrase that ironically originated from the late 19th century of colonial exploitation when Western powers used political and military forces to pressure China to import opium (in exchange for Chinese tea), which made many Chinese people 'sick'. Further, social media tends to lead to 'echo chambers' of people who share inaccurate and sometimes racist information among those with preexisting views towards certain subgroups of society, reinforcing confirmed bias.

For years, scientists have been warning of the next global disease pandemic;<sup>9</sup> there is no doubt whether it will come—it

is only a question of when and where. Whichever front line they are fighting on, medical professionals everywhere abide by the same oath to treat the sick. The extraordinary containment efforts on the Chinese front line have come at a high price-to date, over 3000 Chinese medical professionals have been infected with COVID-19 according to China CDC, and at least 10 have lost their lives.<sup>2</sup> Many have worked without adequate personal protective equipment (PPE). The passing of Dr Wenliang Li,<sup>10</sup> a whistle-blower who attempted to warn peer clinicians about the novel virus in its early days, ignited an overwhelming social movement in China calling for system improvement and expressing solidarity with front-line health care workers. Pleas for support from the front line triggered an outpouring of societal response where many non-profit organizations, Chinese residents in the country and overseas expats self-organized supply chains to send medical supplies directly to Wuhan. The fight between disease and human survival has always been a global fight. Ensuring sufficient medical supplies on the front line and minimizing economic losses to Chinese residents will help sustain the extraordinary containment efforts that have been well overstretched.

Disease knows neither borders nor politics. In the midst of a health crisis, media and politicians should refrain from abusing their power as information disseminators. Individuals may avoid getting misled by fact-checking and debunking rumours as they encounter them. Scientists and trusted authorities within the country and from the international community should confront such abuse with immediate, resolute and consistent action. Communication strategies should be developed to counter the conspiracy theories, the fake news and the racism and xenophobic contents sometimes found in the public forum.

China, a developing country making its initial entrance to the global health arena, has taken extensive measures in fighting an epidemic outbreak on the global front line. Many lessons learnt from current response should be examined with great scrutiny for future improvement for the protection of the public and the responders, especially the early-warning and public health preparedness systems. To the scientists, medical and public health professionals and citizens who have been under quarantine or on lockdown with no clear timetable for resumption of normal life, work or school, we should show the greatest solidarity.

### Funding

The author(s) received no specific funding for this work.

## Conflict of interest

The authors have declared no conflict of interest.

#### Leesa Lin

Department of Global Health and Development, Faculty of Public Health and Policy, London School of Hygiene & Tropical Medicine, London, UK

To whom correspondence should be addressed. Email: leesa.lin@lshtm.ac.uk

#### References

- U.S. Centers for Disease Prevention and Control (CDC). 2009 H1N1 Pandemic (H1N1pdm09 Virus). https://www.cdc.gov/flu/pandemicresources/2009-h1n1-pandemic.html (21 February 2020, date last accessed).
- Dingxiangyuan. 2019 Novel Coronavirus (COVID-19) Real-Time Statistics. Dingxiangyuan. https://ncov.dxy.cn/ncovh5/view/ pneumonia (23 February 2020, date accessed).
- European Centre for Disease Prevention and Control (ECDC). Severe Acute Respiratory Syndrome – Annual Epidemiological Report 2016. 2016. https://www.ecdc.europa.eu/en/publicationsdata/severe-acute-respiratory-syndrome-annualepidemiologicalreport-2016-2014-data (21 February 2020, date last accessed).
- World Health Organisation (WHO). Middle East Respiratory Syndrome Coronavirus (MERS-CoV) Monthly Summary, November 2019. 2019. https://www.who.int/emergencies/mers-cov/en/ (21 February 2020, date last accessed).
- Allgaier J, Svalastog AL. The communication aspects of the Ebola virus disease outbreak in Western Africa–do we need to counter one, two, or many epidemics? *Croat Med J* 2015; 56:496–9.
- Sarah M. Ebola as African: American media discourses of panic and Otherization. *Africa Today* 2017; 63:3–27.
- Mead WR. China is the Real Sick Man of Asia in 3 February 2020: Wall Street Journal: 2020. https://www.wsj.com/articles/china-isthereal-sick-man-of-asia-11580773677 (21 February 2020, date last accessed).
- Liberty Times Net. Wuhan-Pneumonia: 79366 Confirmed Cases Worldwide, 2619 Deaths. 2020. https://news.ltn.com.tw/news/ world/breakingnews/3077687 (24 February 2020, date last accessed).
- Global Preparedness Monitoring Board (GPMB). A World at Risk: Annual Report on Global Preparedness for Health Emergencies in 2019. 2019. https://apps.who.int/gpmb/annual\_report.html.
- Yuan L. Widespread Outcry in China Over Death of Coronavirus Doctor in 7 Feb 2020: New York Times. 2020. https://www.nytimes. com/2020/02/07/business/china-coronavirus-doctor-death.html (21 February 2020, date last accessed).