

Supplementary Appendix

This appendix has been provided by the authors to give readers additional information about their work.

Supplement to: Zhan M, Qin Y, Xue X, Zhu S. Death from Covid-19 of 23 health care workers in China. *N Engl J Med*. DOI: 10.1056/NEJMc2005696

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Supplement to: M. Zhan, Y. Qin, X. Xue, et al. Death from Covid-19 among 23 Health Care Workers in China

Variable	Characteristic									
Health care worker No.	Age (yr)	Sex	Death date	Duration from hospital admission to death (days)	Hospital admission date	Symptom onset date	City of health care worker worked in	Department health care worker worked in	Level of hospital health care worker worked in	Hospital transfer †
1	60	M	1/25	9	1/16	1/16	Wuhan in Hubei province	ENT	Tertiary comprehensive hospital	Yes
2	57	M	1/28	5	1/23	NA	Jingmen in Hubei province	Internal medicine	Secondary hospital	Yes
3	38	F	1/30	1	1/30	1/17	Tianmen in Hubei province	Chinese rehabilitation medicine	Tertiary comprehensive hospital	No
4	71	M	2/4	5	1/31	1/24	Wuhan	Family medicine	Community health center	No
5	34	M	2/7	26	1/12	1/10	Wuhan	Ophthalmology	Tertiary comprehensive hospital	No
6	49	M	2/8	13	1/26	1/18	Wuhan	General surgery	Secondary hospital	Yes
7	62	M	2/10	14	1/27	Before 1/24	Wuhan	Organ transplantation	Tertiary comprehensive hospital	No
8	51	M	2/10	8	2/ 2	NA	Wuhan	Family medicine	Community health center	NA
9	69	F	2/11	27	1/15	NA	Wuhan	Electrocardiograph	Tertiary	NA

								y technician	comprehensive hospital	
10	66	M	2/11	8	2/3	1/23	Wuhan	Family medicine	Private clinic	Yes
11	69	M	2/13	9	2/4	1/26	Ezhou in Hubei province	Chinese medicine	Tertiary comprehensive hospital	NA
12	59	F	2/14	7	2/7	2/6	Wuhan	Nurse	Community health center	NA
13	67	F	2/14	9	2/5	1/23	Wuhan	Family medicine	Community health center	No
14	51	M	2/18	27	1/22	1/19	Wuhan	Hospital Dean and Neurosurgery	Tertiary comprehensive hospital	Yes
15	72	F	2/18	17	2/1	1/27	Wuhan	Family medicine	Private clinic	NA
16	29	M	2/20	26	1/25	1/23	Wuhan	Respiratory and intensive care medicine	Tertiary comprehensive hospital	Yes
17	29	F	2/23	35	1/19	1/19	Wuhan	Gastroenterology	Secondary hospital	Yes
18	42	M	2/23	25	1/29	1/26	Xiaogan in Hubei province	Respiratory medicine	Tertiary comprehensive hospital	No
19	55	M	2/23	32	1/22	1/18	Danzhou in Hainan province	Internal medicine	Secondary hospital	Yes
20	65	M	2/27	22	2/5	1/26	Wuhan	Chinese medicine	Tertiary comprehensive hospital	Yes
21	55	M	3/1	43	1/17	1/17	Wuhan	Thyroid surgery	Tertiary comprehensive hospital	Yes
22	57	M	3/3	47	1/15	1/13	Wuhan	Ophthalmology	Tertiary comprehensive hospital	Yes

23	67	M	3/9	19	2/18	2/3	Wuhan	Ophthalmology	Tertiary comprehensive hospital	Yes
<p>* Covid-19 denotes coronavirus disease 2019, NA not available.</p> <p>† All 23 health care workers were infected with SARS-CoV2 in practice and died from Covid-19. The infections and the deaths were confirmed either by their own medical institutions or by hospitals where they received treatment. With the confirmation from the institutions, 14 of the 23 health care workers had been included in the list of advanced individuals in the National Health System for excellent work in the prevention and control of Covid-19 on the official website of National Health Commission of the People's Republic of China on Mar 5, 2020.¹ Likewise, 13 of the 14 health care workers and another 8 were qualified as beneficiaries of Chinese Red Cross Foundation and ByteDance Humanitarian Relief Fund for Health Care Workers, and each of their families received RMB 1 million yuan, as of April 3, 2020.^{2,3} The last one (Health care worker No.10) of the 23 health care workers was reported in great detail.⁴⁻⁶ For these 23 cases, most of their post-infection experiences were reported by the ByteDance-operated mobile app Toutiao and other professional, social media.⁴⁻⁷ We further confirmed some missing clinic characteristics by phone interviews with their colleagues or relatives.</p> <p>‡ The health care workers were transferred from the first admission hospitals to more specialized ICUs in other hospitals or to hospitals specializing in infectious diseases after condition deterioration</p>										

1. National Health Commission of the People's Republic of China. Decision of awarding advanced groups and individuals in the National Health System for excellent work in the prevention and control of Covid-19. March 5, 2020 (<http://www.nhc.gov.cn/xcs/zhengcwj/202003/28cc60d7e33b4dc7bd77af485fab1a58.shtml>).
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3. ByteDance Humanitarian Relief Fund for Health Care Workers. The 65th batch of funding list announcement by ByteDance Humanitarian Relief Fund for Health Care Workers. April 3, 2020. (In Chinese) (<https://www.toutiao.com/i6811475804208235012/>).
4. Pear videos. The Deceased Liao Qingxu-Last moment of life. March 14, 2020 (https://www.pearvideo.com/video_1661327)
5. Weixin. A Wuhan clinic doctor to be included in the list of martyrs released by Chinese authorities. March 7, 2020 (<https://mp.weixin.qq.com/s/v-6AXhUiVWVXoYYuQ-E6bA>).
6. Primary health. Mourning on 61 health care workers. April 4, 2020 (https://mp.weixin.qq.com/s/_YxXGfkMB7Tord9yOHqccQ).
7. Hubei Provincial Peoples Government. Fourteen frontline workers who lost their lives fighting COVID-19 were honored as martyrs. April 2, 2020 (http://www.xinhuanet.com/politics/2020-04/02/c_1125806371.htm).