China CDC Weekly

SUPPLEMENTARY TABLE S1. Mushroom species involved in poisoning incidents and their spatial and temporal distribution in China, 2021.

Clinical syndromes or mushroom species	Number of incidents	Number of patients	Deaths	Case fatality (%)	Spatial and temporal distribution
Acute liver failure					
Amanita exitialis	3	8	1	12.50	March 3, Guangdong; June 24 to 26, Yunnan
Amanita exitialis and A. fuligineoides	1	4	0	0	July 2, Yunnan
A <i>manita fuliginea</i> and <i>A. oberwinklerana</i> ^{ARF}	1	5	0	0	July 5, Hunan
Amanita fuligineoides	2	9	1	11.11	June 25 and July 2, Fujian, and Yunnan
Amanita pallidorosea	1	2	0	0	June 19, Hunan
Amanita rimosa	1	3	0	0	June 2, Hunan
Amanita subjunquillea	1	2	0	0	September 17, Sichuan
A <i>manita</i> spp.	7	19	3	15.79	June 22 to July 26, Yunnan, Hunan, Chongqing, and Zhejiang April 16, Hunan; November 3 to 30,
Galerina sulciceps	14	39	5	12.82	Sichuan, Chongqing, Hubei, Guizhou, and Hunan
Galerina sp.	1	18	0	0	December 28, Sichuan
Lepiota brunneoincarnata	15	45	3	6.67	July 4 to September 28, Yunnan, Hebei, Shanxi, Xinjiang, Shandong, Inner Mongolia, Ningxia, Shaanxi, Jilin, Beijing, and Tianjin
Rhabdomyolysis Russula subnigricans	16	50	6	12.00	May 10 to September 9, Yunnan, Zhejiang Hunan, Jiangsu, Fujian, Jiangxi, Guizhou, Guangdong, and Guangxi
Acute renal failure					
Amanita kotohiraensis	1	2	0	0	August 19, Fujian
Amanita oberwinklerana	6	9	0	0	mid-March, Guangdong; July 20 to August 29, Hubei, Sichuan, and Guizhou
Amanita aff. pseudoporphyria	2	2	0	0	August 22 and 23, Hunan
Hemolysis					
Paxillus involutus	2	2	1	50.00	July 31 and August 7, Xizang
Gastroenteritis					
Agaricus atrodiscus	1	6	0	0	July 28, Yunnan
Agaricus xanthodermus	1	1	0	0	April 29, Hunan
A <i>garicus</i> sp.	1	2	0	0	August 20, Hunan
Baorangia major	1	5	0	0	May 28, Fujian
Baorangia pseudocalopus	2	8	0	0	June 23, Yunnan; September 17, Hunan
Boletellus indistinctus	1	6	0	0	August 3, Yunnan
Chlorophyllum aff. globosum	2	8	0	0	August 30 and September 5, Sichuan
Chlorophyllum hortense	2	3	0	0	August 12 to September 29, Hunan, and Guangxi April 15 to December 27, Zhejiang,
Chlorophyllum molybdites	65	120	0	0	Guizhou, Hunan, Hainan, Fujian, Guangdong, Guangxi, Yunnan, Sichuan, Chongqing, Jiangsu, Hubei and Jiangxi
Chlorophyllum molybdites and Cordyceps gunnii ^M	1	3	0	0	August 21, Guizhou
Coprinellus micaceus	1	1	0	0	September 29, Beijing
Coprinellus micaceus and Panaeolus bisporus ^P	1	3	0	0	September 20, Ningxia
Coprinopsis atramentaria	1	1	0	0	April 19, Shandong
Coprinus comatus	1	1	0	0	October 19, Sichuan

Continued

Clinical syndromes or mushroom species	Number of incidents	Number of patients	Deaths	Case fatality (%)	Spatial and temporal distribution
Cryptoporus volvatus ^M	1	1	0	0	February 28, Guangxi
Entoloma caespitosum	1	4	0	0	May 24, Fujian
Entoloma omiense	7	22	0	0	June 6 to August 30, Fujian, Guangdong, Yunnan, Zhejiang, and Guizhou
Entoloma aff. strictius	1	3	0	0	April 12, Hunan
Entoloma aff. sinuatum	1	9	0	0	August 8, Yunnan
Gymnopus densilamellatus, G. dryophilus ^G and Ripartites tricholoma ^U Gymnopus indoctus ^U , Leucoagaricus	1	2	0	0	August 6, Hebei
sinicus ^U , Panaeolus papilionaceus ^P , lleodictyon gracile ^U and Agaricus sp. ^U	1	4	0	0	October 14, Guangdong
Heimioporus gaojiaocong	3	5	0	0	January 12, Yunnan (dried boletes bought from market); June 3 to July 20, Yunnan
Heimioporus japonicus	2	9	0	0	August 26 and September 7, Fujian
Hygrocybe rimosa	1	2	0	0	July 1, Guizhou
Lactarius purpureus	1	1	0	0	August 29, Hunan
Lactarius rubrocorrugatus	2	7	0	0	July 11 and 27, Sichuan
Lactifluus pseudoluteopus	1	1	0	0	June 4, Yunnan
Melanoleuca humilis	1	2	0	0	September 15, Ningxia
Neoboletus brunneissimus ^{E.M} , Butyriboletus yicibus ^E , Catathelasma subalpinum ^E and Cortinarius similis ^U	1	3	0	0	August 16, Sichuan (dried boletes from Yunnan)
Neoboletus venenatus	3	12	0	0	March 10 and July 2, Hunan and Sichuan (dried boletes, bought from market); September 19, Yunnan
Omphalotus guepiniformis	1	3	0	0	May 1, Guizhou
Omphalotus olearius	2	4	0	0	July 28 and October 18, Yunnan
Omphalotus sp.	4	44	0	0	July 11 and October 18, Yunnan
Pholiota multicingulata	1	4	0	0	September 13, Chongqing
Ramaria gracilis	1	1	0	0	August 28, Yunnan
Rubroboletus sinicus and Retiboletus fuscus	1	20	0	0	January 11, Jiangsu (dried boletes bought from market)
Rubroboletus sp.	1	1	0	0	August 19, Fujian
Russula foetens	1	1	0	0	August 26, Fujian
Russula japonica	24	70	0	0	May 25 to August 26, Guangxi, Hunan, Sichuan, Guizhou, Yunnan, Chongqing, Fujian, and Zhejiang
Russula japonica and R. punctipes ^G	1	2	0	0	May 31, Hunan
Russula leucocarpa [∪] and <i>Russula</i> sp.	1	4	0	0	September 4, Fujian
Russula punctipes	1	6	0	0	August 23, Hunan
Scleroderma aff. albidum	2	9	0	0	March 7 and July 9, Guangxi and Sichuan
Scleroderma cepa	4	7	0	0	July 5 to August 25, Yunnan; October 27 to November 15, Hunan
Suillus pinetorum, Amanita javanica ^E , Boletus bainiugan ^E and Phlebopus portentosus ^E	1	8	0	0	April 15, Yunnan
Thicholoma highlandense	1	1	0	0	November 20, Guizhou
Trametes hirsuta ^M , Irpex lacteus ^M and Schizophyllum commune ^{E,M}	1	1	0	0	February 28, Guangdong (dried mushrooms from Sichuan)
Tricholoma stans	1	2	0	0	November 3, Yunnan
Tricholoma aff. stans	2	5	0	0	November 2 and December 1, Guizhou and Yunnan

Continued

Clinical syndromes or mushroom species	Number of incidents	Number of patients	Deaths	Case fatality (%)	Spatial and temporal distribution
Psycho-neurological disorder					
Amanita ibotengutake	1	17	0	0	September 5, Shandong
Amanita melleialba	1	1	0	0	August 10, Yunnan
Amanita orientigemmata	1	2	0	0	August 10, Yunnan
Amanita pseudopantherina	1	1	0	0	August 9, Yunnan
Amanita pseudosychnopyramis	2	11	0	0	April 6 and 15, Fujian and Zhejiang
Amanita orsonii and Amanita sp. ^U	1	3	0	0	June 29, Chongqing
Amanita rufoferruginea	1	6	0	0	July 6, Sichuan
Amanita subglobosa	4	13	0	0	June 29 to August 19, Sichuan and Hunan
Amanita sychnopyramis f. subannulata	1	5	0	0	May 28, Guangxi
Clitocybe subditopoda	1	3	0	0	October 26, Guizhou
Clitocybe sp.	1	2	0	0	October 18, Hainan
Gymnopilus dilepis	3	5	0	0	May 1 to July 2, Sichuan and Guizhou
Inocybe aff. glabrodisca	1	4	0	0	November 26, Guizhou
Inosperma muscarium	2	7	0	0	May 30 and June 5, Guangxi and Fujian
Lanmaoa asiatica	1	1	0	0	July 2, Yunnan
Lanmaoa asiatica, Heimioporus japonicus $^{\rm G}$ and Tylopilus neofelleus $^{\rm G}$	1	4	0	0	January 27, Chongqing (dried boletes bought from market)
Panaeolus bisporus	1	2	0	0	August 14, Guizhou
Pseudosperma arenarium nom. prov.	2	3	0	0	September 22 and 30, Ningxia and Shaanx
Pseudosperma umbrinellum and Mallocybe fulvoumbonata ^P	1	2	0	0	September 21, Ningxia
Psilocybe ovoideocystidiata	1	2	0	0	March 26, Guizhou
Psilocybe papuana	1	2	0	0	April 30, Hunan
Unclassified					
Cortinarius cupreorufus [∪]	1	3	0	0	September 3, Ningxia
Laccaria vinaceoavellanea ^E	1	2	0	0	August 1, Yunnan
Leucoagaricus barssii ^E	1	2	0	0	September 6, Ningxia
Porphyrellus nigropurpureus [∪]	1	4	0	0	August 1, Fujian
Russula densifolia ^E	1	2	0	0	August 13, Yunnan
Scleroderma yunnanense ^E	1	4	0	0	July 2, Yunnan
Stropharia rugosoannulata ^E	2	2	0	0	April 29 and May 16, Hunan and Chongqin
Tricholoma myomyces ^E	1	2	0	0	March 16, Hunan

Note: Species newly recorded as poisonous mushrooms in China are in italic bold.

Abbreviations used for mushroom poisoning incidents with more than two species: ARF=Acute renal failure, G=Gastroenteritis, P=Psycho to neurological disorder, M=Medicinal, U=Unclassified, E=Edible.