Supplementary Table 2. Threshold values for monthly volume tertiles for COVID-19 admissions

	Low	Intermediate	High
COVID-19 admissions	≤17.9	>17.9–≤115.1	>115.1

COVID-19, coronavirus disease 2019.

Supplementary Table 3. Timeline of first reported cases, 1st wave peak, and 2nd wave peak by country

Country	1st reported case*	1st wave peak	Second wave date†
Argentina	3/3/2020	10/21/2020	12/11/2020
Australia	1/25/2020	3/20/2020	6/9/2020
Austria	2/25/2020	3/28/2020	6/30/2020
Bangladesh	3/8/2020	7/2/2020	2/24/2021
Belgium	2/3/2020	4/14/2020	7/10/2020
Brazil	2/25/2020	7/29/2020	11/5/2020
Bulgaria	3/8/2020	4/27/2020	5/30/2020
Canada	1/25/2020	4/22/2020	8/17/2020
Chile	3/3/2020	6/12/2020	11/24/2020
China	12/1/2019	2/14/2020	5/19/2020
Colombia	3/6/2020	8/16/2020	10/4/2020
Croatia	2/25/2020	4/1/2020	6/7/2020
Czech Republic	3/1/2020	3/31/2020	5/13/2020
Denmark	2/27/2020	4/9/2020	7/8/2020
Egypt	2/14/2020	6/16/2020	10/9/2020
Finland	1/29/2020	4/10/2020	7/30/2020
France	1/24/2020	4/18/2020	6/28/2020
Germany	1/27/2020	4/2/2020	6/15/2020
Greece	2/26/2020	4/3/2020	6/3/2020
Guatemala	3/13/2020	7/18/2020	9/5/2020
India	1/30/2020	9/16/2020	2/14/2021
Indonesia	3/2/2020	2/1/2021	5/18/2021
Iran	2/19/2020	4/2/2020	5/3/2020
Israel	2/21/2020	4/5/2020	5/24/2020
Italy	1/30/2020	3/26/2020	6/3/2020
Japan	1/16/2020	4/5/2020	5/27/2020
Kenya	3/13/2020	8/3/2020	9/20/2020
Korea	1/20/2020	3/4/2020	5/6/2020
Macedonia	2/26/2020	4/18/2020	5/8/2020
Malaysia	1/25/2020	4/8/2020	6/6/2020
Mexico	2/28/2020	8/1/2020	9/22/2020
Netherlands	2/27/2020	4/11/2020	7/10/2020
New Zealand	2/28/2020	4/5/2020	8/10/2020
Nigeria	2/27/2020	7/2/2020	10/25/2020
Norway	2/26/2020	3/28/2020	7/22/2020
Oman	2/24/2020	7/15/2020	8/23/2020
Pakistan	2/26/2020	6/19/2020	9/1/2020
Peru	3/6/2020	6/2/2020	7/5/2020
Phillippines	1/30/2020	8/15/2020	1/7/2021
Poland	3/4/2020	11/11/2020	2/8/2021

Supplementary Table 3. Continued

Country	1st reported case*	1st wave peak	Second wave date[†]
Portugal	3/2/2020	4/11/2020	8/9/2020
Republic of Moldova	3/7/2020	12/11/2020	1/22/2021
Romania	2/26/2020	4/17/2020	6/2/2020
Singapore	1/23/2020	4/26/2020	6/10/2020
Slovakia	3/6/2020	4/20/20	6/4/2020
Spain	1/31/2020	3/31/2020	7/5/2020
Sweden	1/31/2020	6/24/2020	9/2/2020
Switzerland	2/25/2020	3/25/2020	6/8/2020
Taiwan	1/13/2020	3/25/2020	2/17/2021
Thailand	1/13/2020	4/3/2020	11/20/2020
Tunisia	3/2/2020	4/6/2020	6/9/2020
Turkey	3/10/2020	4/16/2020	6/23/2020
United Arab Emirates	1/29/2020	5/22/2020	8/8/2020
United Kingdom	1/31/2020	4/8/2020	7/7/2020
United States	1/20/2020	4/9/2020	7/11/2020
Vietnam	1/23/2020	4/1/2020	7/14/2021

All data of the wave peaks obtained from https://ourworldindata.org/coronavirus a joint project of the University of Oxford and Global Change Data Lab.
*All data of the first reported case by country, defining the onset of the pandemic of the country obtained from Wikipedia[29]; [†]Definition of the second wave: the number of coronavirus disease 2019 cases must decline >50% from the previous wave's peak and more than double at the next peak. The start date for this occurrence was chosen as the minimum closest to the second wave.

Supplementary Table 4. Cerebral venous thrombosis admissions; overall and monthly volumes first 5 months: 2019 vs. 2020

Variable	Overall volume					Monthly volume*			
	No. of hospital	No.[†]	No.[‡]	Change	P	No. of hospital	No.[†]	No.[‡]	P
Overall	162	498	449	−9.8 (−12.7 to −7.5)	0.11	169	0.65±0.12	0.55±0.11	0.03
Primary vs. comprehensive stroke center[§]									
Primary	39	114	93	−18.4 (−26.5 to −12.4)	0.15	41	0.63±0.18	0.50±0.16	0.19
Comprehensive	123	384	356	−7.3 (−10.3 to −5.1)	0.30	128	0.68±0.18	0.59±0.17	0.07
Center COVID-19 volume[∥]									
Low	50	79	72	−8.9 (−17.2 to −4.4)	0.57	51	0.62±0.12	0.57±0.09	0.53
Intermediate	49	106	100	−5.7 (−11.8 to −2.6)	0.68	50	0.51±0.19	0.47±0.18	0.38
High	49	236	211	−10.6 (−15.2 to −7.3)	0.24	51	1.15±0.27	1.03±0.26	0.23

Values are presented as percentage (95% confidence interval) or adjusted mean±standard error.
COVID-19, coronavirus disease 2019.
*The monthly volume analysis is adjusted for the date of peak COVID-19 volume for each country, the start date of the second wave, and the continent; [†]Number of admissions during first 5 months of 2019; [‡]Number of admissions during the first 5 months of 2020; [§]Primary vs. Comprehensive, P=0.001; [∥]Low vs. Intermediate (P=0.40), Low vs. High (P=0.67), Intermediate vs. High (P=0.15).