

Table S1. Comparison of COVID-19 infection rates between urban areas and rural areas in 21 prefecture-level administrative regions of the Sichuan Province.

Number	Region	Prefecture-level administrative region			Urban area			Rural area			P value
		Total	Positive	Rate	Total	Positive	Rate	Total	Positive	Rate	
	Total	158506	100679	63.52%	129829	84933	65.42%	28677	15746	54.91%	1.58e ⁻²⁴⁵
1	Deyang	4506	3149	69.88%	4038	2856	70.73%	468	293	62.61%	0.0003
2	Chengdu	82547	56581	68.54%	81173	55758	68.69%	1374	823	59.90%	3.40e ⁻¹²
3	Mianyang	5318	3531	66.40%	4572	3070	67.15%	746	461	61.80%	0.004
4	Dazhou	1144	737	64.42%	554	377	68.05%	590	360	61.02%	0.013
5	Ziyang	1882	1212	64.40%	1058	715	67.58%	824	497	60.32%	0.001
6	Suining	1775	1123	63.27%	1472	948	64.40%	303	175	57.76%	0.029
7	Guangyuan	5844	3689	63.12%	4060	2637	64.95%	1784	1052	58.97%	1.3 × 10 ⁻⁵
8	Nanchong	6166	3885	63.01%	4142	2676	64.61%	2024	1209	59.73%	0.0002

9	Bazhong	2257	1386	61.41%	1025	655	63.09%	1232	731	59.33%	0.026
10	Meishan	2703	1634	60.45%	1639	1012	61.74%	1064	622	58.46%	0.088
11	Leshan	2683	1597	59.52%	1980	1194	60.30%	703	403	57.33%	0.167
12	Guang'an	3413	1992	58.37%	924	589	63.74%	2489	1403	56.37%	0.0001
13	Liangshan	3664	2120	57.86%	1945	1174	60.36%	1719	946	55.03%	0.001
14	Luzhou	3467	1995	57.54%	2359	1418	60.11%	1108	577	52.08%	8×10^{-6}
15	Ya'an	2331	1341	57.53%	1081	648	59.94%	1250	693	55.44%	0.028
16	Neijiang	1762	963	54.65%	1289	698	54.15%	473	265	56.03%	0.484
17	Zigong	4990	2726	54.63%	2369	1450	61.21%	2621	1276	48.68%	$7.09e^{-19}$
18	Ganzi	1034	536	51.84%	190	131	68.95%	844	405	47.99%	$1.75e^{-07}$
19	Aba	4124	2079	50.41%	222	164	73.87%	3902	1915	49.08%	$6.58e^{-13}$
20	Yibin	15784	7866	49.84%	12817	6321	49.32%	2967	1545	52.07%	0.007
21	Panzhihua	1112	537	48.29%	920	442	48.04%	192	95	49.48%	0.717

Note: Positive and rate in the table denoted the patients with a confirmed diagnosis of COVID-19 and the COVID-19 infection rate, respectively.

A Prefecture-level administrative region is composed of an urban area and a rural area.

Figure S1. Infection rates of COVID-19 in the Chinese Hainan Province after the end of the dynamic zero-COVID-19 policy. (A) Comparison of COVID-19 infection rates between the male population and female population in the Hainan Province during December 12-18, 2022. (A) Comparison of COVID-19 infection rates in different age groups in the Hainan Province during December 12-18, 2022. (C) Comparison of COVID-19 infection rates between urban areas and rural areas in the Hainan Province during December 19-25, 2022.

