

Table S1. Qualified rate of vaccine antibody in each urban area, Changsha, China, 2015-2021.

	2015	2016	2017	2018	2019	2020	2021
Kaifu	34.55%	44.19%	70.73%	82.95%	56.80%	67.88%	84.38%
	(19/55)	(19/43)	(87/123)	(107/129)	(71/125)	(112/165)	(81/96)
Furong	28.74%	66.67%	77.53%	82.72%	70.00%	76.50%	92.83%
	(25/87)	(34/51)	(138/178)	(134/162)	(63/90)	(153/200)	(246/265)
Tianxin	52.50%	47.37%	63.53%	46.32%	80.77%	71.67%	86.23%
	(21/40)	(18/38)	(54/85)	(44/95)	(42/52)	(86/120)	(119/138)
Yuhua	62.86%	56.82%	77.87%	84.38%	78.21%	82.50%	94.19%
	(66/105)	(75/132)	(190/244)	(135/160)	(122/156)	(198/240)	(292/310)
Yuelu	48.98%	51.14%	66.67%	52.87%	74.77%	70.24%	89.73%
	(24/49)	(45/88)	(66/99)	(92/174)	(80/107)	(118/168)	(131/146)
Total	46.13%	54.26%	73.38%	71.11%	71.32%	74.69%	90.99%
	(155/336)	(191/352)	(535/729)	(512/720)	(378/530)	(667/893)	(869/955)