

Supplementary Table 4. The monthly proportion of glomerulonephritis at Severance Hospital after the initiation of nationwide vaccine program (after April 2021) based on the ARIMA models

Pathologic finding	AIC	BIC	ARIMA model	Ljung-Box test p-value	Step change (95% CI)	Slope change (95% CI)
Total	-10.05	4.53	(1,0,0)(0,0,1) [12]	0.9870	-0.014 (-0.235 to 0.208)	0.001 (-0.016 to 0.017)
AIN	144.06	156.22	(0,0,0)(1,0,0) [12]	0.9567	-0.435 (-0.908 to 0.039)	0.049 (0.013 to 0.084)
ATI	132.51	144.66	(0,0,0)(1,0,0) [12]	0.1236	0.092 (-0.343 to 0.528)	0.003 (-0.029 to 0.036)
IgAN	87.97	97.7	(0,0,0)	0.3889	0.125 (-0.233 to 0.484)	-0.011 (-0.038 to 0.017)
MN	285.83	297.99	(0,0,0)(1,0,0) [12]	0.1240	-0.455 (-1.559 to 0.649)	0.039 (-0.044 to 0.122)
Nonspecific histology	260.02	277.03	(3,0,0)	0.3360	0.823 (-0.057 to 1.704)	-0.031 (-0.100 to 0.038)
Other nephropathies	301.37	311.09	(0,0,0)	0.6508	-1.627 (-2.904 to -0.349)	0.090 (-0.008 to 0.188)
IC-GN	229.04	238.76	(0,0,0)	0.7030	-0.286 (-1.116 to 0.545)	0.032 (-0.032 to 0.096)
Pauci-immune crescentic GN	226.87	239.03	(0,0,0)(0,0,1) [12]	0.6133	-0.663 (-1.507 to 0.182)	0.011 (-0.056 to 0.078)
Podocytopathy	152.96	165.12	(0,0,1)	0.4722	0.827 (0.168 to 1.485)	-0.041 (-0.091 to 0.010)
Thrombotic microangiopathy	121.68	131.4	(0,0,0)	0.4692	-0.174 (-0.613 to 0.264)	-0.006 (-0.040 to 0.027)

AIC, Akaike's information criterion; AIN, acute interstitial nephritis; ARIMA, autoregressive integrated moving average; ATI, acute tubular injury; BIC, Bayes information criterion; CI, confidence interval; GN, glomerulonephritis; IC-GN, immune complex-mediated GN; IgAN, immunoglobulin A nephropathy; MN, membranous nephropathy.