

Table 1. Detection of antiviral drug-resistant viruses in Japan during the 2018/2019 influenza season

as of September 24, 2019

	A(H1N1)pdm09						A(H3N2)						B				
	Baloxavir	Oseltamivir	Peramivir	Zanamivir	Laninamivir	Amantadine	Baloxavir	Oseltamivir	Peramivir	Zanamivir	Laninamivir	Amantadine	Baloxavir	Oseltamivir	Peramivir	Zanamivir	Laninamivir
Resistant (%)	6 ^a (1.8%)	21 ^b (1.0%)	21 ^b (1.0%)	0	0	188 (100%)	34 ^c (9.6%)	0	0	0	0	155 (100%)	0	0	1 ^d (0.6%)	0	0
Number of viruses tested	331	2,163	2,163	329	329	188	356	331	331	331	331	155	42	161	161	161	161
Number of viruses reported	3,038						4,675						626				

Baloxavir was examined by focus reduction assay and/or PA sequencing.

NA inhibitors were examined by fluorescence-based NA-Fluor assay, chemiluminescence-based NA-XTD assay, real time RT-PCR allelic discrimination and/or NA sequencing.

Amantadine was examined by M2 sequencing.

^a Patients without treatment 0

^b Patients without treatment 4

^c Patients without treatment 5

^d Patients without treatment 1