

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

as of July 2, 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 (%)	5 ^a (1.5%)	15 ^b (0.8%)	15 ^b (0.8%)	0	0	188 (100%)	32 ^c (9.5%)	0	0	0	0	155 (100%)	0	0	0	0	0
Number of viruses tested	323	1,985	1,985	315	315	188	337	301	301	301	301	155	36	61	61	61	61
Number of viruses reported	2,931						4,441						470				

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 2

^c Patients without treatment 4