

Table 1. Detection of antiviral drug-resistant viruses in Japan during the 2019/2020 influenza season

as of January 28, 2020, June 30, 2020

	A(H1N1)pdm09						A(H3N2)						B				
	Baloxavir	Oseltamivir	Peramivir	Zanamivir	Laninamivir	Amantadine	Baloxavir	Oseltamivir	Peramivir	Zanamivir	Laninamivir	Amantadine	Baloxavir	Oseltamivir	Peramivir	Zanamivir	Laninamivir
Resistant (%)	1 ^a (0.3%)	16 ^b (1.8%)	16 ^b (1.8%)	0	0	10 (100%)	0	0	0	0	0	5 (100%)	0	0	0	0	0
Number of viruses tested	304	884	884	162	162	10	22	12	12	12	12	5	2	13	13	13	13
Number of viruses reported	2,139						72						63				

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 1

^b Patients without treatment 11