

Supplementary Table 1. Post-hoc analysis of binomial regression for the upper respiratory diseases, hypertension, and DM

	Common cold		Influenza		Otitis media		Rhinitis		Laryngitis		Hypertension		DM	
	Z-score	p value	Z-score	p value	Z-score	p value	Z-score	p value	Z-score	p value	Z-score	p value	Z-score	p value
2016 vs. 2017	-0.064	0.895	0.197	0.989	0.006	1.000	-0.117	0.624	-0.089	0.738	-0.014	0.814	-0.056	<0.001
2016 vs. 2018	0.014	1.000	-0.036	1.000	0.003	1.000	-0.056	0.960	-0.061	0.918	-0.037	0.040	-0.100	<0.001
2016 vs. 2019	-0.017	0.999	-0.932	0.183	0.207	0.997	-0.107	0.729	-0.142	0.339	-0.057	<0.001	-0.142	<0.001
2016 vs. 2020	0.739	<0.001	2.244	<0.001	0.765	<0.001	0.405	<0.001	0.629	<0.001	-0.064	<0.001	-0.158	<0.001
2017 vs. 2018	0.078	0.773	-0.233	0.976	-0.004	1.000	0.060	0.941	0.028	0.994	-0.022	0.381	-0.044	0.001
2017 vs. 2019	0.047	0.961	-1.128	0.037	0.014	0.999	0.009	1.000	-0.053	0.947	-0.043	0.007	-0.086	<0.001
2017 vs. 2020	0.803	<0.001	2.047	<0.001	0.759	<0.001	0.521	<0.001	0.718	<0.001	-0.050	0.003	-0.102	<0.001
2018 vs. 2019	-0.031	0.991	-0.896	0.148	0.018	0.997	-0.051	0.968	-0.081	0.776	-0.021	0.456	-0.043	0.002
2018 vs. 2020	0.725	<0.001	2.280	<0.001	0.762	<0.001	0.461	<0.001	0.689	<0.001	-0.027	0.258	-0.058	<0.001
2019 vs. 2020	0.756	<0.001	3.176	<0.001	0.744	<0.001	0.513	<0.001	0.771	<0.001	-0.006	0.987	-0.016	0.661

Confounding factors (temperature, humidity, and particulate matter 10) were adjusted. DM, diabetes mellitus