

Table 1. Characteristics of patients tested for SARS-CoV-2 + MRVP versus MRVP alone

Variables/Categories	SARS-CoV-2 + MRVP (n=7,225)	MRVP (n=12,421)	Chi-Square p-value £
Median age in years	65 (0-107)	70 (0-107)	
Age group			<0.001
< 5 years	230 (3.2)	908 (7.3)	
5-19 years	252 (3.5)	482 (3.9)	
20-49 years	1,959 (27.1)	1,816 (14.6)	
50-59 years	756 (10.5)	1,140 (9.2)	
60-69 years	806 (11.2)	1,654 (13.3)	
70-79 years	863 (11.9)	2,146 (17.3)	
80-89 years	1,369 (18.9)	2,698 (21.7)	
90+ years	967 (13.4)	1,537 (12.4)	
Unknown	23 (0.3)	40 (0.3)	
Sex			<0.001
Female	4,053 (56.1)	6,414 (51.6)	
Male	3,166 (43.8)	5,505 (44.3)	
Unknown	6 (0.1)	502 (4.1)	
Patient setting			<0.001
Ambulatory/No setting	1,232 (17.1)	2,711 (21.8)	
ER	2,343 (32.4)	390 (3.1)	
Hospitalization	633 (8.8)	5,576 (44.9)	
ICU	213 (2.9)	964 (7.8)	
Institution	2,804 (38.8)	2,780 (22.4)	
Ontario region			<0.001
Central East	1,833 (25.4)	3,307 (26.6)	
Central West	1,200 (16.6)	2,418 (19.5)	
Eastern	668 (9.3)	1,054 (8.5)	
North East	451 (6.2)	841 (6.8)	
North West	269 (3.7)	464 (3.7)	
South West	746 (10.3)	1911 (15.4)	
Toronto	2,058 (28.5)	2,426 (19.5)	
Outbreak related			<0.001
No	5,325 (73.7)	2,619 (21.1)	
Yes	1,900 (26.3)	9802 (78.9)	
Specimen type			<0.001
Throat	1,271 (17.6)	192 (1.6)	
NP	5,665 (78.4)	11,212 (90.2)	
Other	289 (4.0)	1,017 (8.2)	

Footnote: Age was defined as age in years at time specimen was received at PHO Laboratory.

Patient setting represented the location where patient had specimen collected. Institution

represents retirement home, long term care facility, correctional facilities. Region was derived

based on individual's postal code of residence or submitter's postal code if individual's postal code was not reported on laboratory requisition. Specimens were defined as outbreak- related when they were tested as part of an official public health unit declared outbreak or investigation and the remaining were considered non-outbreak related. Other specimen type category included nasal swab, broncho-alveolar lavage (BAL), eye, oral, swab undefined etc.

£ p -value is generated by comparing all categories of individual variables across the two testing groups.

Table 2. Single infections and co-infections identified among specimens tested for (i) SARS-CoV-2 + MRVP and (ii) by MRVP alone.

Variable/ Categories	SARS-CoV- 2+MRVP(n=7,225)*	MRVP (n=12,421)	Chi- Square p-value
Single infection	2,129 (29.5)	3,948 (31.8)	<0.001
Co-infection	81 (1.1)	204 (1.6)	
Negative	5,015 (69.4)	8,269 (66.6)	

Footnote: *Of 7,225 specimens tested by SARS-CoV-2+MRVP, SARS-CoV2 was identified in 325 specimens and seasonal respiratory viruses in 1,893. Of 81 co-infections identified in this group, eight specimens (representing eight patients) had SARS-CoV-2 and a seasonal respiratory virus and 73 specimens had two or more seasonal respiratory viruses identified.

* p - value is generated by comparing all infection categories (single infection, co-infection, negative) across the two testing groups.