432 **Supplemental Table 1**: Past medical history of children infected with SARS-CoV-2.

433

Past Medical History - Pediatric Patients
Acute recurrent pancreatitis
ADHD
Alopecia
Asthma
Autism
Cardiac conduction disorder
Chronic kidney disease
Coats Plus Syndrome
Crohn's disease
Cystic Fibrosis
Eczema
Epilepsy
G6PD Deficiency
Glutaric acidemia, type 1
Liver transplant
Mitochondrial complex 1 deficiency
Obesity
Obstructive sleep apnea
Prematurity
Sickle cell trait
Speech delay
Subglottic stenosis
Tracheobronchomalacia

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436 **Supplemental Table 2**: Demographics, past medical history and disease severity of adults with

437 COVID-19 (n=29) included in analysis of SARS-CoV-2 viral load.

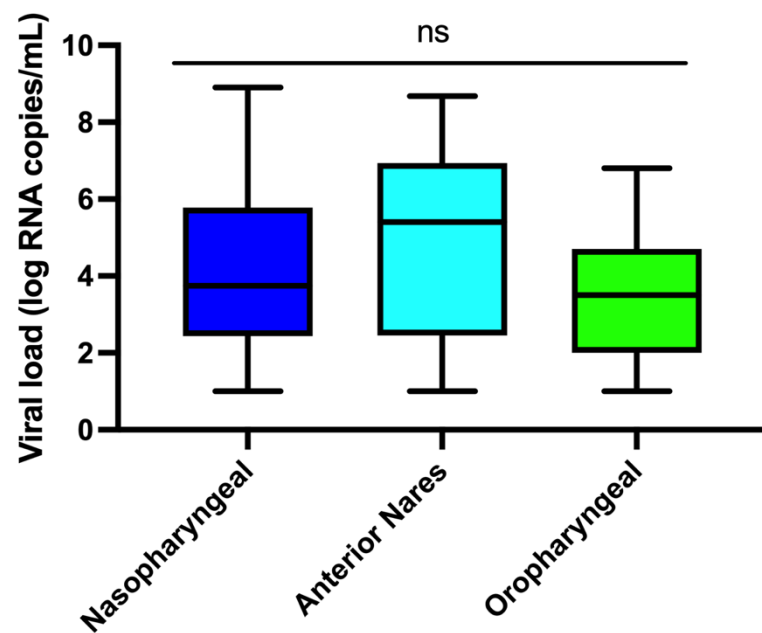|	COVID+ adults (n=29)
Age, average (max, min)	62 (26,93)
Sex, number (%)	
Male	13 (45)
Female	16 (55)
Race, number (%)	
White	20 (69)
Black	5 (17)
Asian	0 (0)
Other	4 (14)
Ethnicity, number (%)	
Hispanic	4 (14)
COVID-19 Severity	
Hospitalized, number (%)	21 (100)
Respiratory support	22 (78)
Outpatient, number (%)	0 (0)

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441 **Supplemental Figure 1**: Viral load by sample collection location. Viral load of samples collected

442 from nasopharynx (n=60), anterior nares (n=47), or oropharynx (n=19) were compared and

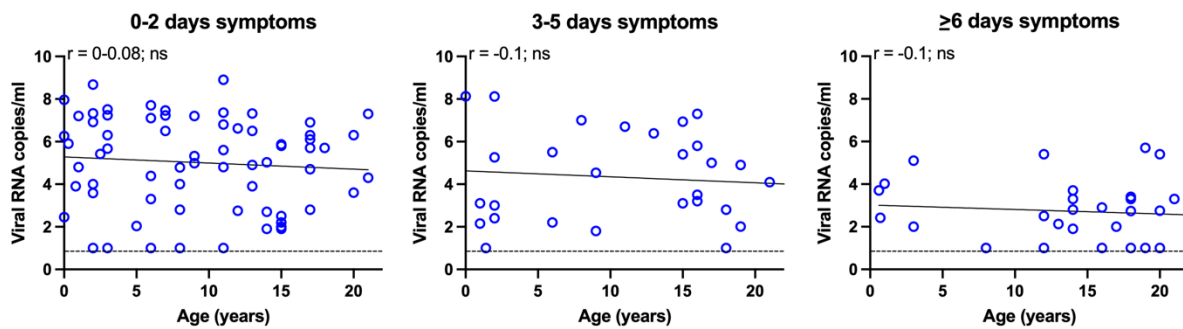443 analyzed by ordinary one-way ANOVA. ns = non-significant.

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447   **Supplemental Figure 2**: Viral load plotted against pediatric patient age, for patients with 0-2

448   days symptoms (n=67), 3-5 days symptoms (n=30), and $\geq$6 days of symptoms (n=29). No

449   significant correlation in any grouping, when analyzed by Pearson correlation. Dotted lines

450   depict limit of detection. ns = not significant.

451