

DataS1

Systems biological assessment of the temporal dynamics of immunity to a viral infection in the first weeks and months of life

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Infant Demographics Table

	Controls (n = 27)	Cases (n = 54)
Female	11	24
Male	16	30
Hispanic	3	3
Not Hispanic	24	51
White	19	42
Black/African American	4	8
White, Black/African American	4	2
White, Other	0	1
American Indian/Native Alaskan	0	1
Pre-Omicron	NA	32
Omicron	NA	22
Age in Months (Mean)	14 (Age at specimen)	12 (Age at first positive swab)
Age in Months (Median)	12 (Age at specimen)	9 (Age at first positive swab)
Age in Months (Range)	5-39 (Age at specimen)	1-47 (Age at first positive swab)
Symptomatic Around First Positive Swab (Any Symptom)	NA	50
Asymptomatic Around First Positive Swab (Any Symptom)	NA	4
If Symptomatic – Was Cough/Fever Present?	NA	41 of 50

Adult Demographics Table

	Controls (n = 10)	Cases (n = 48)
Female	5	25
Male	5	23
Hispanic	1	1
Not Hispanic	7	35
No data available	2	12
White	8	14
Black/African American	0	25
Other	2	0
No data available	0	9
Pre-Omicron	NA	48
Omicron	NA	0
Age in Years (Mean)	52 (Age at first positive swab)	57 (Age at specimen)
Age in Years (Median)	53 (Age at first positive swab)	59 (Age at specimen)
Age in Years (Range)	25 – 90 (Age at first positive swab)	24 – 85 (Age at specimen)
Mild and moderate disease	NA	19
Severe disease	NA	20
ICU	NA	9