

Appendix 1. General and Clinical Characteristics of Children with a CMV DNA Urine Test

Characteristics	Overall (n= 39903)	Children with CMV DNA Positive (n = 6643)	Children with CMV DNA Negative (n = 33260)	p Value
Sex (%)				
Male	22675 (56.83)	3838 (57.78)	18837 (56.64)	0.090
Female	17228 (43.17)	2805 (42.22)	14423 (43.36)	
Age (median [IQR])	19.0[6.0, 68.0]	112.000 [63.0, 281.0]	14.0 [5.0, 33.0]	<0.001
Age groups				
≤3w	21132 (52.96)	238 (3.58)	20894 (62.82)	<0.001
4w-3m	10203 (25.57)	2435 (36.66)	7768 (23.36)	
3m-1y	3993 (10.01)	2676 (40.28)	1317 (3.96)	
1-6y	2936 (7.36)	1107 (16.66)	1829 (5.50)	
>6y	1639 (4.11)	187 (2.81)	1452 (4.37)	
Type (%)				
Outpatient	6219 (15.59)	3278 (49.35)	2941 (8.84)	< 0.001
Inpatient	33684 (84.41)	3365 (50.65)	30319 (91.16)	
Study period (%)				0.003
Pre-pandemic (2018-2019)	20048 (50.24)	3228 (48.59)	16820 (50.57)	
Pandemic (2020-2022)	19855 (49.76)	3415 (51.41)	16440 (49.43)	
Year (%)				0.0001
2018	9666 (24.22)	1625 (24.46)	8041 (24.18)	
2019	10382 (26.02)	1603 (24.13)	8779 (26.40)	
2020	6120 (15.34)	1018 (15.32)	5102 (15.34)	
2021	7077 (17.74)	1293 (19.46)	5784 (17.39)	
2022	6658 (16.69)	1104 (16.62)	5554 (16.70)	
Season (%)				< 0.001
Winter	9789 (24.53)	1404 (21.14)	8385 (25.21)	
Spring	9399 (23.55)	1634 (24.60)	7765 (23.35)	
Summer	10500 (26.31)	1844 (27.76)	8656 (26.03)	
Autumn	10215 (25.60)	1761 (26.51)	8454 (25.42)	

Appendix 2. General and Clinical Characteristics of Children with a CMV IgM Test

Characteristics	Overall (n= 70574)	Children with CMV IgM- Positive (n = 2794)	Children with CMV IgM Negative (n = 67780)	P-Value
Sex (%)				0.013
Male	40567 (57.48)	1542 (55.19)	39025 (57.58)	
Female	30007 (42.52)	1252 (44.81)	28755 (42.42)	
Age (median [IQR])	141.0 [18.0, 1140.0]	86.0 [57.0, 237.0]	152.0 [16.0, 1200.0]	0.566
Age groups				
≤3w	19537 (27.68)	39 (1.40)	19498 (28.77)	< 0.001

4w-3m	11977 (16.97)	1433 (51.29)	10544 (15.56)	
3m-1y	12126 (17.18)	721 (25.81)	11405 (16.83)	
1-6y	17386 (24.64)	485 (17.36)	16901 (24.94)	
>6y	9548 (13.53)	116 (4.15)	9432 (13.92)	
Type (%)				
Outpatient	11856 (16.80)	643 (23.01)	11213 (16.54)	< 0.001
Inpatient	58718 (83.20)	2151 (76.99)	56567 (83.46)	
Study period (%)				
Pre-pandemic	29706 (42.09)	1407 (50.36)	28299 (41.75)	< 0.001
Pandemic	40868 (57.91)	1387 (49.64)	39481 (58.25)	
Year (%)				< 0.001
2019	18471 (26.17)	17663 (26.06)	18471 (26.17)	
2020	13935 (19.75)	13390 (19.76)	13935 (19.75)	
2021	13694 (19.40)	13230 (19.52)	13694 (19.40)	
2022	13239 (18.76)	12861 (18.97)	13239 (18.76)	
Season (%)				0.182
Winter	19394 (27.48)	803 (28.74)	18591 (27.43)	
Spring	14779 (20.94)	605 (21.65)	14174 (20.91)	
Summer	20221 (28.65)	760 (27.20)	19461 (28.71)	
Autumn	16180 (22.93)	626 (22.41)	15554 (22.95)	

Appendix 3. General and Clinical Characteristics of Children with a CMV IgG Test

Characteristics	Overall (n = 70574)	Children with CMV IgG Positive (n = 60031)	Children with CMV IgG Positive (n = 10547)	P-Value
Sex (%)				
Male	40567 (57.48)	34519 (57.50)	6048 (57.37)	0.801
Female	30007 (42.52)	25512 (42.50)	4495 (42.63)	
Age (median [IQR])	141.0 [18.0, 1140.0]	92.0[15.0, 990.0]	630.0 [236.0, 1650.0]	<0.001
Age groups				
≤3w	19537 (27.68)	18289 (30.47)	1248 (11.84)	<0.001
4w-3m	11977 (16.97)	11573 (19.28)	404 (3.83)	
3m-1y	12126 (17.18)	9842 (16.39)	2284 (21.66)	
1-6y	17386 (24.64)	12413 (20.68)	4973.17)	
>6y	9548 (13.53)	7914 (13.18)	1634 (15.50)	
Type (%)				
Outpatient	11856 (16.80)	9522 (15.86)	2334 (22.14)	<0.001
Inpatient	58718 (83.20)	50509 (84.14)	8209 (77.86)	
Study period (%)				
Pre-pandemic	29706 (42.09)	25237 (42.04)	4469 (42.39)	0.511
Pandemic	40868 (57.91)	34794 (57.96)	6074 (57.61)	
Year (%)				
2019	11235 (15.92)	9561 (15.93)	1674 (15.88)	0.0002
2020	18471 (26.17)	15676 (26.11)	2795 (26.51)	
2021	13935 (19.75)	11850 (19.74)	2085 (19.78)	

2022	13694 (19.40)	11801 (19.66)	1893 (17.96)	
Season (%)				
Winter	19394 (27.48)	16502 (27.49)	2892 (27.43)	0.020
Spring	14779 (20.94)	12524 (20.86)	2255 (21.39)	
Summer	20221 (28.65)	17126 (28.53)	3095 (29.36)	
Autumn	16180 (22.93)	13879 (23.12)	2301 (21.82)	
