From 2020 to 2024, there were 12,536 hospitalizations from 6,662 patients to the solid organ transplant (SOT) services, including Advanced Lung Disease, Advanced Heart Failure, Kidney Transplant, and Liver Transplant. To calculate the rate of CMV admissions in SOT patients, we considered the number of hospitalizations for management of CMV infection as the primary diagnosis as the numerator and the total number of hospitalizations to the SOT services as the denominator. Overall, the rate of CMV admissions in SOT patients has increased over time (Table 1), being the highest in the Advanced Lung Disease Service and the Kidney Transplant service.

Table 1. Hospital Admissions in Solid Organ Transplant Patients by Primary Diagnosis

Year	Non-CMV	CMV	Rate of CMV
			admissions per 1000
			admissions
2021	2519	8	3.2
2022	2421	4	1.6
2023	2456	14	5.7
2024	2569	21	8.1
2025	2505	19	7.5

Table 2. Rate of Hospital Admissions for CMV Infection in Advanced Heart Failure Patients

Year	Non-CMV	CMV	Rate of CMV
			admissions per 1000
			admissions
2021	233	2	8.5
2022	205	0	0
2023	284	1	3.5
2024	314	4	12.6
2025	296	1	3.4

Table 3. Rate of Hospital Admissions for CMV Infection in Advanced Lung Disease Patients

Year	Non-CMV	CMV	Rate of CMV
			admissions per 1000
			admissions
2021	206	0	0
2022	210	0	0
2023	218	4	18
2024	202	3	14.6
2025	236	13	52.2

Table 4. Rate of Hospital Admissions for CMV Infection in Kidney Transplant Patients

Year	Non-CMV	CMV	Rate of CMV
			admissions per 1000
			admissions
2021	1172	3	2.6
2022	1132	3	2.6
2023	1111	9	8
2024	1124	12	10.6
2025	1091	5	4.6

Table 5. Rate of Hospital Admissions for CMV Infection in Liver Transplant Patients

Year	Non-CMV	CMV	Rate of CMV
			admissions per 1000
			admissions
2021	908	3	3.3
2022	874	1	1.1
2023	843	0	0
2024	929	2	2.1
2025	882	0	0

The mean and average length of stay for admissions for CMV infection has increased over time (Table 6) since 2020, unlike for admissions for non-CMV diagnosis, which has remained stable (Table 7).

To estimate the hospitalization cost, we used the Payments and Refunds slice in Slicer Dicer that displays the total payment amount less any refunds associated with the account. This includes bad debt and external AR payments and refunds. This field shows payments as a positive amount. Based on the data available, the cost appears skewed (Table 8 and 9). Though, among CMV admissions, 23 (33.82%) were on the lowest quartile of cost, 20 (29.4%) in the second quartile, 16 (23.5%) in the third quartile, and 9 (13.2%) in the highest quartile. Using a linear regression model, with diagnosis and length of stay as predictors, we estimated the cost of a 7-day admission for CMV infection, the median duration in 2024, to be \$30,171.52. We are open to feedback on how to better track hospital admission costs and would appreciate if the reviewers could suggest another metric we could analyze.

Table 6. Length of Stay for Hospital Admissions for CMV Infection in Solid Organ Transplant Patients

Year	Mean	SD	Median	Interquartile
				Range

2020	5.1	3.5	4	8, 2.5
2021	4.3	3.2	3	6, 2.5
2022	9.3	11.7	4	9, 4
2023	7.3	7.5	5	8.5, 2.5
2024	13.3	14.5	7	15, 4
2025	7	7.1	7	12, 2

Table 7. Length of Stay for Hospital Admissions for Non-CMV diagnosis in Solid Organ Transplant Patients

Year	Mean	SD	Median	Interquartile
				Range
2020	6.4	9.6	4	7, 2
2021	7.4	17	4	7, 2
2022	6.8	8.3	4	7, 2
2023	6.5	8.7	4	7, 2
2024	7.9	13	4	8, 3
2025	6.3	7.5	4	7, 2

Table 8. Payments for Hospital Admissions for CMV Infection in Solid Organ Transplant Patients

Year	Mean	SD	Median	Interquartile
				Range
2020	\$17714.6	11403	\$16619	25708.9, 11302.6
2021	\$12565.3	1980.4	\$12480	13841.3, 11289.2
2022	\$96632.1	276544.6	\$12663.4	29409.5, 11192.4
2023	\$44776.4	60141.2	\$15735.6	36610.8, 14307.5
2024	\$47133.1	49534.1	\$31075.7	62671.1, 14744.2
2025	\$7162.5	10129.3	\$7162.5	14325, 0

Table 9. Payments for Hospital Admissions for Non-CMV diagnosis in Solid Organ Transplant Patients

Year	Mean	SD	Median	Interquartile
				Range
2020	\$76646.6	161222	\$26296.6	67205.1, 13440
2021	\$94808.5	243343.6	\$32963.5	83945, 15057.3
2022	\$93199.3	175289.9	\$33091	87237.3, 15338.2
2023	\$87114.5	174118.6	\$31777.6	76509.8, 15947.4
2024	\$102606	208362.2	\$29475	87866.3, 13004.8
2025	\$16544.5	51553.2	\$0	13039.5, 0