**Supplemental Digital Content 3.** Administration characteristics and outcomes in patients approved for COVID-19 therapy

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| **Therapy** | **Sotrovimab****(N=16)** | **Nirmatrelvir/Ritonavir****(N=12)** | **Remdesivir****(N=38)** |
| **Median age in years (range)** | 16 (12-19) | 14.5 (12-24) | 8 (0.6-21) |
| **Median days from start of infection to first dose (range)** | 3 (0-6) | 3 (1-6) | 2 (0-9) |
| **Therapy approved but not given, N (%)** Family declined Symptoms improved Not arranged in time No infusion center capacity Provider unable to prescribe Baseline ALT too high Unknown | 5 (31)1210n/an/a1 | 3 (25)100n/a1n/a1 | 11 (29)5201n/a21 |
| **Location of administration, N (%)** Inpatient Infusion center Emergency department Mixed | N=112 (18)a6 (55)3 (27)0 | N=9n/an/an/an/a | N=2716 (59)7 (26)1 (4)1 (4) |
| **Adverse events during administration** |  1b | 0 | 0 |
| **Emergency department visitsc** | 1b | 1d |  |
| **Hospitalizationsc** | 1e |  | 1f |

a. Hospitalized after positive SARS-CoV-2 test for non-COVID-19 related reasons

b. Chest pain during infusion and for 2 days afterwards, leading to ED visit

c. Within 7 days of treatment request, excludes therapy-specific visits or admissions

d. Shortness of breath, discharged from ED in good condition

e. Therapy approved but not administered; admitted for prolonged fever.

f. Admission for fever and neutropenia following completion of 3-day remdesivir treatment