**Supplemental Digital Content 4.** Underlying medical conditions and viral co-detections among children aged 8 months to <5 years hospitalized and requiring life support for laboratory-confirmed COVID-19.

|  |  |  |
| --- | --- | --- |
| **Characteristic** | **Unvaccinated** | **Completed primary series ≥14 days prior to hospitalization** |
|  |  | **Total** | **Pfizer-BioNTech** | **Moderna** |
| **All patients** | 66 | 6 | 3 | 3 |
| **Underlying medical conditions** |  |  |  |  |
| None | 38 (57.6) | 0 | 0 | 0 |
| One or more underlying medical condition | 28 (42.4) | 6 (100.0) | 3 | 3 |
| More than one underlying medical condition |  12 (22.2) | 5 (83.3) | 2 | 3 |
| Cardiorespiratory | 22 (33.3) | 5 (83.3) | 2 | 3 |
| Respiratory | 19 (28.8) | 5 (83.3) | 2 | 3 |
| Asthma | 4 (6.1) | 0 | 0 | 0 |
| Cardiac | 9 (13.6) | 2 (33.3) | 1 | 1 |
| Non-cardiac/Non-respiratory | 6 (9.1) | 1 (16.7) | 1 | 0 |
| Oncologic or immunosuppressed | 1 (1.5) | 0 | 0 | 0 |
| Non-oncologic immunosuppressive disorder |  0 | 0 | 0 | 0 |
| Oncologic | 1 (1.5) | 0 | 0 | 0 |
| Neurologic/neuromuscular | 13 (19.7) | 5 (83.3) | 2 | 3 |
| Underlying respiratory and neurologic disease | 8 (12.1) | 4 (66.7) | 1 | 3 |
|  |  |  |  |  |
| **Viral co-detection** |  |  |  |  |
| Any viral co-detection [n=62] | 18/56 (32.1) | 1/6 (16.7) | 0 | 1 |
| Multiple co-detections [n=62] | 2/56 (3.6) | 0/6 (0) | 0 | 0 |
| Influenza [n=62] | 0/56 (0) | 0/6 (0) | 0 | 0 |
| RSV [n= 62] | 5/56 (8.9) | 0/6 (0) | 0 | 0 |
| Other viral co-detections [n= 48] | 15/42 (31.0)  | 1/6 (16.7) | 0 | 1 |