**Supplementary Table:** Characteristics of cases with negative index testing and positive subsequent testing within 48 hours of emergency department arrival.

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | BMI | Comorbidity at increased risk of severe illness\* | Comorbidity at possible increased risk of severe illness\*\* | Admission Diagnosis | Survival to discharge | Duration of symptoms on ED arrival | Type of 2nd Swab | Cycle Threshold |
| 39y White Female | 67 | Obesity | Asthma | Respiratory failure | Yes | 24 days | NP Swab | 38.8 |
| 65y African American Female | 31 | Diabetes, obesity | No | Fever | Yes | 5 days | NP Swab | 30.7 |
| 71y White Female | 23 | No | No | Pulmonary infiltrates | Yes | 2 days | NP Swab | 29.8 |
| 79y White Male | 31.5 | CKD, CHF, diabetes, obesity | Smoking (past) | Pneumonia | Yes | 7 days | NP Swab | 29.8 |
| 82y White Female | 25.4 | CHF, COPD, cancer | Asthma, smoking (past) | CHF exacerbation | No | “A few weeks” | Sputum | 26.1 |
| 90y White Female | 20.3 | No | Smoking (past) | Hypoxemic respiratory failure | No | Unknown, sent from skilled nursing facility for symptoms | NP Swab | 27.6 |
| 92y White Female | 21 | No | Diabetes | Hypoxic respiratory failure | No | Unknown, sent from skilled nursing facility for symptoms | NP Swab | 21.8 |

\*Increased risk of severe illness from COVID-19 is based on CDC criteria including cancer, chronic kidney disease (CKD), chronic obstructive pulmonary disease (COPD), immunocompromised state from solid organ transplant, obesity, cardiac condition (coronary artery disease (CAD), congestive heart failure (CHF), cardiomyopathy), type 2 diabetes mellitus

\*\*Possible increased risk of severe illness from COVID-19 is based on CDC criteria including asthma, cerebrovascular disease, cystic fibrosis, hypertension (HTN), immunocompromised state not from solid organ transplant, neurologic conditions, liver disease, pregnancy, pulmonary fibrosis, smoking, thalassemia, type 1 diabetes mellitus