|  |  |  |  |
| --- | --- | --- | --- |
| **Characteristics** | **XT-PCR1 (N = 3)** | **RT-PCR2 (N = 13)** | **p-value** |
| **AGE,** mean ± SD | 60.9 ± 6.9 | 71.2 ± 19.6 | 0.396 |
| **RACE**, n (%)  Black  White  Other/Unknown | 1 (33.3)  1 (33.3)  1 (33.3) | 13 (100.0)  0 (0.0)  0 (0.0) | **0.03** |
| **DEATH ATTRIBUTED TO INFLUENZA OR ASSOCIATED COMPLICATION,** n (%) | 1 (33.3) | 3 (23.3) | 0.770 |
| **VITAL SIGNS WITHIN FIRST 24 HOURS,** mean ± SD  Temperature, maximum (Celsius)  Heart Rate, maximum (beats per minute)  Respiratory Rate, maximum (breaths per minute) | 37.2 ±1.2  82.3 ± 10.5  16.7 ± 4.2 | 36.6 **±** 2.2  93.2 ± 26.2  25.8 ± 7.6 | 0.690  0.502  0.068 |
| **TIME FROM PRESENTATION TO OSELTAMIVIR ADMINISTRATION,** mean ± SD (hours) | 12.1 **±** 1.3 | 15.5 **±** 10.2 | 0.657 |

1 Rapid influenza reverse transcriptase polymerase chain reaction (RT-PCRs)

2 Traditional influenza reverse transcriptase polymerase chain reaction (RT-PCRs)

**SUPPLEMENTAL TABLE 1**. Patients that tested positive for influenza by polymerase chain reaction and expired within 30 days of presentation. P-values were calculated by chi-square test (categorical variables) or Satterthwaite test (continuous variables). Statistically significant findings at p-value < 0.05 are bolded.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **INTENSIVE CARE UNIT** | | | **ACUTE CARE UNIT** | | |
| **XT-PCR1** | **RT-PCR1** | **p-value** | **XT-PCR1** | **RT-PCR1** | **p-value** |
| **Antibiotics**, n (%) | 11 (50.0) | 34 (82.9) | **< 0.01** | 48 (27.0) | 152 (53.7) | **< 0.01** |
| **Oseltamivir**, n (%) | 22 (100.0) | 41 (100.0) | N/A | 172 (96.6) | 261 (92.2) | 0.054 |
| **Days of Antibiotic Therapy,** mean (SD) | 1.2 (1.9) | 3.4 (2.5) | **< 0.01** | 0.8 (1.4) | 2.7 (2.3) | **< 0.01** |
| **Antibiotics** | 137 (62.3) | 292 (83.9) | **< 0.01** | 401 (32.1) | 1,093 (65.3) | **< 0.01** |
| **Oseltamivir** | 6 (2.7) | 140 (40.2) | **< 0.01** | 18 (1.4) | 259 (15.5) | **< 0.01** |
| **Days of Antibiotic Therapy,** mean (SD) | 1.5 (2.3) | 3.4 (2.6) | **< 0.01** | 1.2 (2.0) | 2.8 (2.5) | **< 0.01** |

1 Rapid influenza reverse transcriptase polymerase chain reaction (XT-PCRs)

**2** Traditional influenza reverse transcriptase polymerase chain reaction (TF-PCRs)

**SUPPLEMENTAL TABLE 2.** Effects of implementing Xpert® Flu PCR on antibiotic administration, oseltamivir usage and duration of antibiotics adjusted for test results (negative versus positive) and stratified by unit type. Statistically significant findings at p-value < 0.05 are bolded.