

## August Surveillance SIG

### ANSWERS

#### Scenario 1

Patient admitted July 4<sup>th</sup> with a head injury and was mechanically ventilated in the ICU. A central line was inserted on admission. Below are the patient's ventilator settings since admission:

Date	PEEP	FI02	Temp	Antibiotics
7/4 – 7/9	5	40	98 - 99	None
7/10	5	50	99.5	None
7/11	10	70	101	Vanc, Zosyn
7/12	10	70	100.5	Vanc, Zosyn
7/13	10	60	100	Vanc, Zosyn
7/14	8	60	99.5	Vanc, Zosyn

Is there an event to report? If so, what event and what date?

**Yes; IVAC, 07/11**

Question 2: On 7/12, an ET Aspirate culture collected is growing *S. aureus*. The ET aspirate is described as "purulent." Is there an event to report? If so, what event and what date?

**Yes; Change the previously reported IVAC to a PVAP with the same date of infection – 7/11**

## Scenario 2

Patient is admitted July 14<sup>th</sup> to ICU. The following day the patient experiences respiratory failure and requires intubation. The patient remains intubated until July 29<sup>th</sup>. See below for relevant chart details:

Date	Vent Mode	PEEP	FI02	T MAX	WBC	Antibiotics
7/15/20	PRV/AC	12	100	103.1	8.6	Azithromycin IV Ceftriaxone IV
7/16/20	PRV/AC	14	100	99.9	9.7	Ceftriaxone IV
7/17/20	PRV/AC	14	100	98.6	8.9	Ceftriaxone IV
7/18/20	PRV/AC	14	100	98.2	11.4	Ceftriaxone IV
7/19/20	PC/AC	14	100	100.8	11.1	Ceftriaxone IV
7/20/20	PC/AC	10	70	101.3	8.9	Ceftriaxone IV
7/21/20	PC/AC	10	70	101.3	10.3	
7/22/20	PC/AC	10	90	100.9	10.0	Pip/Tazo IV
7/23/20	PC/AC	10	100	102	16.6	Pip/Tazo IV
7/24/20	PC/AC	12	100	100.9	9.8	Pip/Tazo IV
7/25/20	PC/AC	12	100	102.3	13.1	Pip/Tazo IV
7/26/20	PC/AC	12	100	101.7	11.0	Pip/Tazo IV
7/27/20	PC/AC	14	100	101.7	12.7	Pip/Tazo IV
7/28/20	PC/AC	14	100	103.6	16.0	Pip/Tazo IV

Lab data:

7/14/20:

- Blood Cultures x2: No growth
- COVID-19 PCR: Reactive

7/15/20

- Respiratory Culture and Gram Stain:
  - Culture with few oral flora isolated
  - Gram Stain with rare white blood cells and no organisms seen
- Respiratory Pathogen Panel: None detected

7/21/20

- Respiratory Culture and Gram Stain:
  - Culture with No growth
  - Gram Stain with rare white blood cells and no organisms seen

7/22/20

- COVID-19 PCR: Reactive
- Blood culture x1: No growth

Is there a reportable event? If so, what type and what is the DOE? What are the qualifying data?

Yes, PVAP with DOE of 7/22/20. Qualifying data: Increased FiO2 on 7/22; Elevated temp on 7/20; New Antibiotic on 7/22 with duration >4 calendar days; Positive diagnostic test for a viral pathogen on 7/22