

Ventilator Associated Pneumonia (VAP)

Quarterly Infection Rates - 2010

Indicator Definition:

The VAP rate is the number of ICU patients (18 years and older) with new VAP per 1,000 ventilator days.

$$\frac{\text{Total number of VAP cases after 48 hours of mechanical ventilation}}{\text{Total number of ventilator days for ICU patients 18 years and older}} \times 1,000$$

2010 Quarterly Results

| Quarter | Cases | Rate per 1,000 ventilator days |
|----------------------|-------|--------------------------------|
| January 1 – March 31 | 1 | 1.23 |
| April 1 – June 30 | 1 | 1.31 |

What is VAP?

- Ventilator associated pneumonia (VAP) is defined as a pneumonia (lung infection) occurring in patients in an intensive care unit (ICU), requiring, external mechanical breathing support (a ventilator) intermittently or continuously, through a breathing tube for more than 48 hours.
- Patients are at risk of acquiring VAP if they have been on a ventilator for more than 5 days, have been recently hospitalized, had prior use of antibiotics (within the last 90 days), had dialysis treatment in a clinic or resided in a nursing home.
- Symptoms of VAP include :
 - Fever
 - Low body temperature
 - Foul smelling infectious mucous or phlegm coughed up from the lungs into the mouth
 - Hypoxia or decreasing amounts of oxygen in the blood

