Ventilator-Associated Event Data Collection Worksheet

PATIENT ID_____

		Step 1: VAC (change in A or B)		Step 2: IVAC (VAC, plus C or D, and E)					Step 3: PoVAP (IVAC, plus F or G) —OR— PrVAP (IVAC, plus [F and Gii] or IVAC, plus H)						
		A.	B.	C. Temp		D. WBC		E.	F.	G. Positive culture[b,c]		H. Other positive PrVAP criteria[e]			
Date	Vent Day	PEEP Min	FiO_2 Min	Min [<36°C]	Max [>38°C]	Min [≤4K]	Max [≥12K]	QAD (✓)	Purulent respir-atory secre-tions[a] (✓)	i. Any sputum cx, or qual cx of BAL, ETA, PSB, lung tissue (✓)	ii. Meets semi-quant or quant criteria (BAL, PSB, ETA, lung tissue cx)[d] (✓)	Pleural fluid (✓)	Path (✓)	*Legionella* or viral diagnostic (✓)	VAE (VAC, IVAC, PoVAP, PrVAP)

Abbreviations: Vent = ventilator; PEEP = Positive End-Expiratory Pressure; FiO_2 = fraction of inspired oxygen; Min = daily minimum; Max = daily maximum; ≤4K = ≤4,000 WBC/mm^3; ≥12K = ≥12,000 WBC/ mm^3; QAD = Qualifying Antimicrobial Day (see Antimicrobial Worksheet or protocol for details); cx = culture; BAL = bronchoalveolar lavage; PSB = protected specimen brush; ETA = endotracheal aspirate; qual = qualitative (non-quantitative); quant = quantitative; PrVAP = Probable VAP; Path = pathology/histopathology; VAC = Ventilator-Associated Condition; IVAC = Infection-related Ventilator-Associated Complication; PoVAP = Possible VAP.

[a]≥25 neutrophils per low power field [lpf, x 100] (or heavy, 4+) and ≤10 squamous epithelial cells per low power field [lpf x 100] (or rare, occasional, few, 1+ or 2+)

[b]ETA: quantitative threshold $\geq 10^5$ CFU/ml (or moderate-heavy, 2+-4+ growth); BAL: quantitative threshold $\geq 10^4$ CFU/ml (or moderate-heavy, 2+-4+ growth); Lung tissue: quantitative threshold $\geq 10^4$ CFU/g (or moderate-heavy, 2+-4+ growth); PSB: quantitative threshold $\geq 10^3$ CFU/ml (or moderate-heavy, 2+-4+ growth)

[c]Excludes the following, when cultured from sputum, ETA, BAL, PSB: Normal respiratory/oral flora, mixed respiratory/oral flora or equivalent, *Candida* species or yeast not otherwise specified, coagulase-negative *Staphylococcus* species, *Enterococcus* species. Exclusions do not apply to cultures of lung tissue or pleural fluid.

[d]Semi-quantitative and quantitative culture criteria apply to BAL, PSB, ETA and lung tissue cultures only (not to sputum cultures).

[e]Any of the following can be used to meet the PrVAP definition: 1) positive pleural fluid culture where specimen was obtained during thoracentesis or initial placement of chest tube; 2) lung histopathology (see protocol for guidance); 3) positive diagnostic test for *Legionella* spp. or for the following respiratory viruses: influenza virus, respiratory syncytial virus, adenovirus, parainfluenza virus, rhinovirus, human metapneumovirus, coronavirus