

## Oxygen Equivalency Table

**Recommendation:** Screen all patients with infection for hypoxia using this table.

PaO<sub>2</sub>/FiO<sub>2</sub> < 400 is **one SOFA** point.

PaO<sub>2</sub>/FiO<sub>2</sub> < 300 is **two SOFA** points and will support **Severe Sepsis**.

PaO<sub>2</sub>/FiO<sub>2</sub> < 300 also supports the hypoxia for the diagnosis of  
**Acute Hypoxic Respiratory Failure.**

Equivalency Table					
Oximetry SpO <sub>2</sub> (%)	Blood Gas PaO <sub>2</sub> (mmHg)	O <sub>2</sub> Delivery and FiO <sub>2</sub>			
		Method	O <sub>2</sub> Flow (L/min)	Estimated	
				(%)	FiO <sub>2</sub>
80	44		Room air	21%	0.21
81	45	Nasal Cannula	1	24	0.24
82	46		2	28	0.28
83	47		3	32	0.32
84	49		4	36	0.36
85	50		5	40	0.40
86	52		6	44	0.44
87	53	Nasopharyngeal Catheter	4	40	0.60
88	55		5	50	0.70
89	57		6	60	0.80
90	60	Face Mask	5	40	0.40
91	62		6-7	50	0.50
92	65		7-8	60	0.60
93	69	Face Mask with Reservoir	6	60	0.60
94	73		7	70	0.70
95	79		8	80	0.80
96	86		9	90	0.90
97	96		10	95	0.95
98	112	Mechanically ventilated: see RT notes for FiO <sub>2</sub>			