

Estimating FiO2

| Method | O2 flow (l/min) | Estimated FiO2 (%) |
|--------------------------|-----------------|--------------------|
| Nasal cannula | 1 | 24 |
| | 2 | 27 |
| | 3 | 30 |
| | 4 | 33 |
| | 5 | 36 |
| | 6 | 40 |
| Nasopharyngeal catheter | 4 | 40 |
| | 5 | 50 |
| | 6 | 60 |
| Face mask | 5 | 40 |
| | 6-7 | 50 |
| | 7-8 | 60 |
| Face mask with reservoir | 6 | 60 |
| | 7 | 70 |
| | 8 | 80 |
| | 9 | 90 |
| | 10 | 95 |

Estimating PaO2 from a given SpO2

| SpO2 (%) | PaO2 (mmHg) |
|----------|-------------|
| 80 | 44 |
| 81 | 45 |
| 82 | 46 |
| 83 | 47 |
| 84 | 49 |
| 85 | 50 |
| 86 | 52 |
| 87 | 53 |
| 88 | 55 |
| 89 | 57 |
| 90 | 60 |
| 91 | 62 |
| 92 | 65 |
| 93 | 69 |
| 94 | 73 |
| 95 | 79 |
| 96 | 86 |
| 97 | 96 |
| 98 | 112 |
| 99 | 145 |

| Organ System | 0 | 1 | 2 | 3 | 4 |
|--|----------------|--------------|--------------------------------------|---|--|
| Respiratory PaO2/FiO2* (mmHg) | >400 | ≤400 | ≤300 | ≤200 with respiratory support | ≤100 with respiratory support |
| Coagulation Platelets (x10 ³ /μL) | >150 | ≤150 | ≤100 | ≤50 | ≤20 |
| Cardiovascular, Hypotension | No Hypotension | MAP <70 mmHg | Dopamine ≤5 Phenylephrine <100 | Dopamine >5 Epi ≤0.1 NE ≤0.1 PE 100 to 300 | Dopamine >15 Epi >0.1 NE >0.1 PE >300 VP >0.01 |
| Neuro, Glasgow Coma Score (GCS) | 15 | 13-14 | 10-12 | 6-9 | <6 |
| Renal, Creatinine mg/dL | <1.2 | 1.2-1.9 | 2.0-3.4 | 3.5-4.9 | >5.0 |

MAP=mean arterial pressure

Dopamine, epinephrine (Epi), norepinephrine (NE), and vasopressin (VP) doses in micrograms per kilogram per minute (μg/kg/min); phenylephrine (PE) μg/min

* Room Air FiO2 is 21% or 0.21 for PaO2/FiO2

SCORE (must be ≥ 3 to qualify): with one organ system ≥ 2

Respiratory PaO2/FiO2: _____

Coagulation, Platelets: _____

Cardiovascular: _____

Neuro (GCS): _____

Renal, Creatinine: _____

TOTAL: _____