

Title: Crisis Response Guidelines for	Policy Number: Assigned Once Approved			
Hospital and ICU Triage Allocation				
Approved by:	Created: 04/10/2020	Revised/Reviewed: 7/7/2020		

CommonSpirit Health Clinical Guideline

- I. KEY WORDS: Pandemic, Influenza, COVID-19, Crisis Response, Crisis Standards
- **II. OBJECTIVE:** To guide the provision of care during a respiratory viral pandemic or other public health emergency when crisis triaging becomes necessary. Application of these guidelines will require physician judgment at the point of patient care.
- III. POLICY STATEMENT: During a crisis that requires the implementation of these guidelines, our Mission and Values remain the same. Triage decisions should be made using operational and clinical guidelines according to these evidence-based clinical criteria related to patient condition and survivability in crisis circumstances such as a public health emergency, a pandemic, or other Crisis Response situation that unpredictably increases the volume or health status severity of patients beyond standard operations. These guidelines should be used along with the NIMS standards of Incident Command.

All patients will be treated with respect, care, and compassion without regard to basis of race, ethnicity, color, national origin, religion, sex, disability, veteran status, age, genetic information, sexual orientation, gender identity, or any other protected characteristic under applicable law. However, during a Crisis Response, treatment of all patients should be based on these evidenced based guidelines.

IV. DEFINITIONS:

- A. *Emergency patients:* Those patients whose clinical conditions indicate that they require admission to the hospital and/or surgery within 24 hours.
- B. Elective surgery:
 - 1. *Category 1:* Urgent patients who require surgery within 30 days.
 - 2. *Category 2:* Semi-urgent patients who require surgery within 90 days.
 - 3. *Category 3*: Non-urgent patients who need surgery at some time in the future.
- C. *Long-term Care Facility*: A residential program with 24-hour care, to include: Residential Care Facilities, Nursing Homes, Skilled Nursing Facilities, Assisted Living, and other such facilities.
- D. *Palliative care:* To make a patient comfortable by treating symptoms from an illness and by addressing issues causing physical or emotional pain or suffering.
- E. Patient categories: Triage levels for patients
 - BLUE Lowest chance of survival even with treatment; provide palliative care as appropriate; SOFA ≥ 15, mortality rate > 80%
 - 2. **YELLOW** Intermediate priority for treatment; SOFA = 10 to 14, mortality rate 40-60%
 - 3. **RED** Highest chance of survival with treatment; highest priority for admission and treatment; SOFA = 1 to 9, mortality rate 10-20%
 - 4. **GREEN** Highest chance of survival without treatment; SOFA = 0
- F. *Peer Based Review Team* (PBRT): A peer review resource jointly authorized by a care site's Chief of Staff in collaboration with its Chief Medical Officer. The PBRT serves as a committee,



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and operates for the direct benefit, of the care site in facilitating crisis response efforts. It consists of 2 to 4 physicians, not including advisors or designees. The PBRT's function is to make decisions about and evaluate the quality and availability of medical care or health care services with an emphasis on reviewing patient assessment decisions, including hospital and ICU admissions, patient triage, elective procedures, discharge planning, transition to comfort care, and other interventions or processes as deemed necessary during a Crisis Response. The PBRT will objectively evaluate patients using the criteria and protocols below to identify opportunities, necessity, and suitability of care. PBRT activities are intended to be confidential and privileged in nature. Any documents created specifically by the PBRT in carrying out its duties on behalf of the care site should be marked "Privileged and Confidential" and maintained in a separate, confidential file to preserve and maintain any applicable privileges.

- G. Patient and Facility action Team (PFT): A team that provides counseling and care coordination and to work with the families of loved ones who have been triaged to comfort care, e.g. BLUE patients. Team members should include spiritual care staff and others not directly involved in the care and treatment of patients in order to preserve the resource of clinicians.
- H. **SOFA Score**: The Sequential Organ Failure Assessment assesses the performance of organ systems (neurologic, blood, liver, kidney, and blood pressure/hemodynamics) and assigns a score based on data for each system. Higher SOFA scores mean higher likelihood of mortality.
- 1. **National Incident Management System (NIMS):** Guides all levels of government, nongovernmental organizations, and the private sector to work together to prevent, protect against, mitigate, respond to, and recover from incidents. It contains shared vocabulary, systems, and processes for the National Preparedness System.
- J. Worried Well: Persons who do not need treatment but want reassurance by clinicians.

V. PROCESS:

- A. Establish a PBRT per the Peer Based Review Team Guidelines. The PBRT makes decisions and evaluates quality following Flowchart 1, the Triage Tools and Tables, and related documents.
- B. Institute a PFT. Ensure security is available to assist with difficult, emotional interactions.
- C. Medical staff should establish a method for peer support and expert consultation to PBRTs.
- D. During a situation where a pandemic or public health threat has been identified that could possibly impact CommonSpirit Health ministries, a triage status system will be utilized to guide readiness and interventions. See Table 1: Overview of Pandemic Triage Levels.
- E. These guidelines and processes apply to all patients, regardless of COVID-19 status during a Crisis Response.
- F. Triage Levels will be implemented and scaled up locally based on local events, not at the system level. The decision to increase the Triage Level in a particular Ministry will be made by the local Incident Command, the system Incident Command, and the CommonSpirit Health CMO.



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TABLE 1: OVERVIEW OF PANDEMIC TRIAGE LEVELS

Triage Level 0 Triage Level 1		Triage Level 2	Triage Level 3
First known threat identified	First known community spread	High volume community spread	Local or state disaster declarations, schools closed, facilities inundated
	-		

Emergency Department, Hospital, and ICU - Clinical Triage

Use **HOSPITAL AND ICU/VENTILATOR ADMISSION TRIAGE** algorithm and tools on the following pages to determine which patients to send home for comfort care or medical management and which patients to admit or keep in hospital or ICU as supported by the patient's SOFA score, patient category, and exclusion criteria.

Physician judgment should be used in applying these guidelines. Other factors to consider when applying triage guidelines include (these are not exclusion criteria, simply aspects that might affect triage decisions):

- If the patient can be transferred to another local facility or a facility elsewhere in CommonSpirit that has the needed resource available.
 - If another facility is available, transfer should be considered especially if the patient does not have COVID-19 and is not a Person Under Investigation (PUI).
- Whether the patient is homeless or has someone to care for them at home upon discharge.
- Whether the patient is pregnant with gestational age greater than 12 weeks or is past viability.
- If multiple patients meet inclusion criteria at the same time, and the PBRT believes they are equally likely to benefit from an available resource, the available resource should be provided by randomization. See Appendix 4 for details.

ED Bedside Provider team all triage levels:

Do **not** use high flow nasal cannula for pre-oxygenation. Do **not** use nebulizers use MDI's with spacers to limit broadcasting of virus. Do **not** use BIPAP. **DO** Use video laryngoscopy (glide scope) as opposed to direct laryngoscopy preferably in a Negative pressure room.

Tria	ge Level 2:	Triage Level 3:		
1.	Initiate HOSPITAL AND ICU/ VENTILATOR TRIAGE algorithm to	1.	Continue to use HOSPITAL AND	
	determine priority for ICU admission, intubation, and/or		ICU/ VENTILATOR TRIAGE	
	mechanical ventilation.		algorithm to determine priority for	
2.	Reassess need for ICU/Ventilator treatment daily after 48 hours		ICU, intubation, and/or mechanical	
	of ICU care.		ventilation.	
3.	If a patient is triaged as BLUE , either before admission or in the	2.	Triage more YELLOW patients to	
	ICU, a DNR order must be automatically written. Complete a		floor on oxygen or CPAP.	
	POLST, MOST, or OOH-DNR form if the patient will be	3.	Triage more RED patients who are	
	discharged.		intubated and on CPAP with lower	
			acuity to manage outside ICU.	

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TRIAGE TOOLS AND TABLES

These criteria and tools are intended to be based on evidence-based likelihood of survival, not external judgments of a patient's quality-of-life. Consider them to the extent they affect survival within reasonable medical judgment.

(a) EXCLUSION CRITERIA for Hospital Admission:

The patient is excluded from hospital admission or transfer to critical care if ANY of the following is present which would significantly decrease their comparable likelihood of survival:

- 1. Patient Wishes. Have a goals of care discussion with each patient or surrogate. Ask if their goals of care include temporary or prolonged intensive care given the prognosis, or if they prefer comfort care.
- 2. Volunteers. In goals of care conversation, Patient declines their chance of admission or a ventilator in keeping with their values and offers to another patient in need. See Appendix 3 below.
- 3. Acute severe neurologic event with minimal chance of functional neurologic recovery (physician judgment). Includes traumatic brain injury, severe hemorrhagic stroke, hypoxic ischemic brain injury, and intracranial hemorrhage.
- 4. Severe acute trauma with a REVISED TRAUMA SCORE <2 (see (d) and (e)) GCS: _ SBP:___

RR: Revised trauma score:

- 5. Severe burns with <50% anticipated survival (patients identified as "Low" or worse on the TRIAGE DECISION TABLE FOR BURN VICTIMS (f)). Burns not requiring critical care resources may be cared for at the local facility (e.g., burns that might have been transferred to a Burn Center under normal circumstances). Score:
- 6. Cardiac arrest not responsive to ACLS interventions within 20 minutes, includes unwitnessed, recurrent, or trauma-related arrest.
- 7. Known end-stage dementia medically treated and requiring assistance with activities of daily living.
- Advanced untreatable neuromuscular disease (such as ALS, end-8. stage MS, or SMA) requiring assistance with activities of daily living or requiring chronic ventilatory support.
- 9. Known chromosomal or untreatable disorders that are uniformly fatal in the first 2 years of life.
- 10. Incurable metastatic malignant disease.
- 11. End-stage organ failure meeting the following criteria:
 - Heart: NEW YORK HEART ASSOCIATION (NYHA) FUNCTIONAL CLASSIFICATION SYSTEM Class III or IV (g). Class:
 - Lung (any of the following):
 - □ Chronic Obstructive Pulmonary Disease (COPD) with Forced Expiratory Volume in one second (FEV1) < 25% predicted baseline, Pa02 < 55 mm Hg, severe secondary pulmonary hypertension, or Stage 4 with oxygen dependency.
 - □ Cystic fibrosis with post-bronchodilator FEV1 <30% or baseline Pa02 <55 mm Hg.
 - □ Pulmonary fibrosis with VC or TLC < 60% predicted, baseline Pa02 <55 mm Hg, or severe secondary pulmonary hypertension.
 - □ Primary pulmonary hypertension with NYHA class III or IV heart failure (g), right atrial pressure >10 mm Hg, or mean pulmonary arterial pressure >50 mm Hg.
 - Liver: PUGH SCORE >7 (h), when available. Includes bili, albumin, INR, ascites, encephalopathy. Total score:

(b) The Seque								
SOFA score	1	2	3	4				
Respiration								
PaO ₂ /FIO ₂	<400	<300	<200	<100				
(mmHg)	221-	142-220	67-141	<67				
SaO ₂ /FIO ₂	301							
Coagulation	<150	<100	<50	<20				
Pltx10 ³ /mm ³	<150	<100	<50	<20				
<u>Liver</u>	1.2							
Bilirubin	1.2-	2.0-5.9	6.0-11.9	>12.0				
(mg/dL)	1.9							
Cardiovascular	MAP	Dopamine	Dopamine > 5	Dopamine >15				
Hypotension	<70	≤5 or	or	or				
		dobutamine	norepinephrine	Norepinephrine				
		any	≤ 0.1	> 0.1				
<u>CNS</u>								
Glascow Coma	13-	10-12	6-9	<6				
Score	14							
Renal								
Creatinine	1.2-	2.0-3.4	3.5-4.9	>5.0				
(mg/dL)	1.9		or	or				
or Urine			<500 (mL/day)	<200 (mL/day)				
output								

For Respiratory Scoring:

The PaO2/FiO2 ratio will be calculated for all patients via an arterial gas for any part of each day using the lowest value in the previous 24 hours.

- For patients on nasal cannula oxygen, an estimated FiO2 may be ٠ calculated by multiplying the liter flow/minute by 0.03 and adding that to 0.21 or using a standard table.
- Patients dependent upon high flow nasal cannula (HFNC) to maintain adequate oxygenation should have their PaO2/FiO2 ratio calculated based on the fraction of inspired oxygen set by the device.

(c) ICU/Ventilator INCLUSION CRITERIA

Patient must have NO EXCLUSION CRITERIA (a) and at least one of the following INCLUSION CRITERIA:

- **Requirement for invasive ventilatory support** 1.
 - Refractory hypoxemia (Sp02 <90% on non-rebreather mask or FIO2 >0.85)
 - Respiratory acidosis (pH <7.2) •
 - Clinical evidence of impending respiratory failure
 - Inability to protect or maintain airway
- 2. Hypotension* with clinical evidence of shock** refractory to volume resuscitation, and requiring vasopressor or inotrope support that cannot be managed in a ward setting.

*Hypotension = Systolic BP <90 mm Hg for patients age >10 years old, or <70 + (2 x age in years) for patients ages 1 to 10, or relative hypotension;

**Clinical evidence of shock = altered level of consciousness, decreased urine output, or other evidence of end-stage organ failure

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(d) GLASGOW COMA SCORE (GCS) The GCS score is used as part of the Revised Trauma Score (table (e)) in determining exclusion criteria for hospital admission in the case of pandemic flu at triage levels 2 and 3.

Glasgow Coma Scoring	g Criteria					
Criteria	Adults and Children	Infants and Young Toddlers	Score	Criteria Score		
Best Eye Response	No eye opening	No eye opening	1			
(4 possible points)	Eye opens to pain	Eye opens to pain	2			
	Eye opens to verbal command	Eye opens to speech	3			
	Eyes open spontaneously	Eyes open spontaneously	4			
Best Verbal Response	No verbal response	No verbal response	1			
(5 possible points)	Incomprehensible sounds Infant moans to pain		2			
	Inappropriate words	Infant cries to pain	3			
	Confused	Infant is irritable and continually cries	4			
	Oriented	Infant coos or babbles (normal activity)	5			
Best Motor Response	No motor response	tor response No motor response				
(6 possible points)	Extension to pain	Extension to pain	2			
	Flexion to pain	Abnormal flexion to pain	3			
	Withdraws from pain	Withdraws from pain	4			
	Localizes to pain Withdraws from touch		5			
	Obeys commands	Moves spontaneously or purposefully	6			
		Total Score (add 3 subs	scores; range 3 to 15):			
GCS – If on vent and sedated: Tri FiO2 – Use indwelling arterial can	CS – If on vent and sedated: Triage Level 2, assume GCS of 15; Triage Level 3, use last known GCS					

(e) REVISED TRAUMA SCORE (RTS)

Values for the REVISED TRAUMA SCORE (RTS) range from 0 to 7.8408. The RTS is heavily weighted towards the GLASGOW COMA SCORE (GCS) to compensate for major head injury without multisystem injury or major physiological changes. The RTS correlates well with the probability of survival. A Revised Trauma Score of <2 is an exclusion criterion for hospital admission during a pandemic flu at triage levels 2 and 3.



Revised Tra	vised Trauma Score Calculation						
Criteria	Score Coded Veighting		Adjusted Score				
Glasgow	3	0					
Coma Score	4 to 5	1					
	6 to 8	2	x 0.9368				
	9 to 12	3					
	13 to 16	4					
Systolic Blood	0	0					
Pressure (SBP)	1 to 49	1					
	50 to 75	2	x 0.7326				
	76 to 89	3					
	>89	4					
Respiratory	0	0					
Rate (RR) in breaths per	1 to 5	1					
minute (BPM)	6 to 9	2	x 0.2908				
	>29	3					
	10 to 29	4					
Revised Trau							

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(f) TRIAGE DECISION FOR BURN VICTIMS A burn score of "Low" or worse on this table is an exclusion criterion for hospital admission in the case of pandemic flu at triage levels 2 and 3.

		Burn Size (% total body surface area)								
Age (yrs)	0-10%	11-20%	21-30%	31-40%	41-50%	51-60%	61-70%	71-80%	81-90%	91%+
0-1.9	Very high	Very high	Very high	High	Medium	Medium	Medium	Low	Low	Low/ expectant
2.0-4.9	Outpatient	Very high	Very high	High	High	High	Medium	Medium	Low	Low
5.0-19.9	Outpatient	Very high	Very high	High	High	High	Medium	Medium	Medium	Low
20.0-29.9	Outpatient	Very high	Very high	High	High	Medium	Medium	Medium	Low	Low
30.0-39.9	Outpatient	Very high	Very high	High	Medium	Medium	Medium	Medium	Low	Low
40.0-49.9	Outpatient	Very high	Very high	Medium	Medium	Medium	Medium	Low	Low	Low
50.0-59.9	Outpatient	Very high	Very high	Medium	Medium	Medium	Low	Low	Low/ expectant	Low/ expectant
60.0-69.9	Very high	Very high	Medium	Medium	Low	Low	Low	Low/ expectant	Low/ expectant	Low/ expectant
70.0+	Very high	Medium	Medium	Low	Low	Low/ expectant	Expectant	Expectant	Expectant	Expectant

Outpatient: Survival and good outcome expected, without requiring initial admission; Very high: Survival and good outcome expected with limited/short-term initial admission and resource allocation (straightforward resuscitation, LOS <14-21 days, 1-2 surgical procedures); High: Survival and good outcome expected (survival >90%) with aggressive and comprehensive resource allocation, including aggressive fluid resuscitation, admission >14-21 days, multiple surgeries, prolonged rehabilitation; Medium: Survival 50-90% and/or aggressive care and comprehensive resource allocation required, including aggressive resuscitation, initial admission <a>14-21 days, multiple surgeries and prolonged rehabilitation; Low: Survival <50% even with long-term aggressive treatment and resource allocation; Expectant: Predicted survival <10% even with unlimited aggressive treatment.

(g) NEW YORK HEART ASSOCIATION (NYHA) FUNCTIONAL CLASSIFICATION SYSTEM

hospital admission in the case of pandemic flu at triage levels 2 and 3.

(h) PUGH SCORE A total PUGH SCORE >7 is an exclusion criterion for

-	The NYHA functiona	Scoring criteria					
:	guality of life. NYHA	A Class III or IV heart failure are		Criteria			
•	exclusion criteria fo pandemic flu at tria	r hospital admission in the case of ge levels 2 and 3	of	Total Serum Bilirubin	<2 2-3		
Ì	NYHA Classes	<u> </u>			>3		
	Class	Patient Symptoms		Serum Albumin	>3		
	Class I	No limitation of physical activity.			<2		
	(Mild)	Ordinary physical activity does not cause undue fatigue, palpitations.		INR	<1		
		or dyspnea.			1.7		
		Slight limitation of physical activity.		Ascites	>2 No		
	(Mild)	physical activity results in fatigue,			Co		
		paipitations, or dyspnea.		Frankalanathy	Po		
	Class III (Moderate)	Marked limitation of physical activity.		Епсернаюранну			
	(moderate)	ordinary activity causes fatigue,			Po		
	Class IV (Severe)	Score interpreta	tior				
		Total PUGH SCORE	C				
ļ		taken, discomfort is increased.		5-6			
l	Used with permission from www.abouthf.org						

Criteria		Value	Points	Total for criteria	
Total Serum	<2 mg/dL		1		
Bilirubin	2-3 mg/dL		2		
	>3 mg/dL		3		
Serum Albumin	>3.5 g/dL		1		
	2.8 - 3.5 g/	dL	2		
	<2.8 g/dL		3		
NR	<1.70		1		
	1.71-2.20		2		
	>2.20		3		
Ascites	None		1		
	Controlled	medically	2		
	Poorly cont	rolled	3		
Encephalopathy	None		1		
	Controlled	medically	2		
	Poorly cont	rolled	3		
		Total P	ugh Score		
Score interpreta	tion				
Total PUGH SCORE	Class				
5-6	А	Life expectancy 15-20	20 years		
		Abdominal surgery perioperative mortality 10%			
7 to 9	В	Liver transplant evaluation indicated Abdominal surgery perioperative mortality 30%			
10 to 15	С	Life expectancy 1-3 y Abdominal surgery pe	ears erioperative mor	tality 82%	

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Appendix 1: Guideline on Code Status for COVID-19

- 1. These guidelines on code status apply to all patients confirmed to have COVID-19 AND all PUIs.
- 2. In a code, staff need to follow regular processes for a code with a patient in isolation
 - 1. This means caregivers responding to a code **must put on PPE** before assisting with a resuscitation attempt.
 - 2. Since CPR/ACLS is an aerosolizing procedure, caregivers who do not wear PPE while attempting resuscitation on a patient with confirmed or suspected COVID-19 will be subject to quarantine in order to prevent spread of the illness.
 - 3. Responders should protect themselves in any response and COVID-19 does not change the obligation to protect yourself while trying to rescue others.
- 3. Caregivers should be re-educated on the PPE expectations during resuscitation attempts, especially those in the ED, ICU, and members of the Rapid Response Team.
- 4. Concerns about medically inappropriate or futile care that do not fall under the triage guidelines should follow the normal policy for addressing these concerns. Ethics Consults are always available.

Appendix 2: Post-Mortem Care of COVID-19 Patients

There is no specific guidance from the CDC on what to do with the bodies of deceased COVID-19 patients, however the following guidance should be kept in mind:

Most often, spread from a living person happens with close contact (i.e., within about 6 feet) via respiratory droplets produced when an infected person coughs or sneezes, similar to how influenza and other respiratory pathogens spread. This route of transmission is not a concern when handling human remains or performing postmortem procedures.

Postmortem activities should be conducted with a focus on avoiding aerosol generating procedures, and ensuring that if aerosol generation is likely (e.g., when using an oscillating saw) that appropriate engineering controls and personal protective equipment (PPE) are used. These precautions and the use of Standard Precautions should ensure that appropriate work practices are used to prevent direct contact with infectious material, percutaneous injury, and hazards related to moving heavy remains and handling embalming chemicals.

See CDC Guidance Document for collecting and submitting specimens post-mortem... www.cdc.gov/coronavirus/2019-ncov/hcp/guidance-postmortem-specimens.html

Transportation of Human Remains

- 1. Follow standard routine procedures when transporting the body of a patient with COVID-19 after specimens have been collected and the body has been bagged.
- 2. Disinfect the outside of the bag with an EPA-registered hospital disinfectant applied according to the manufacturer's recommendations.
- 3. Wear disposable nitrile gloves when handling the body bag.

Appendix 3: Goals of Care Conversations and Patient "Gifting" of Resources"

It is foundational to have goals of care conversations with patients and surrogate decision makers to align care plans with patient wishes. As in all goals of care conversations, it is anticipated that some patients may choose to request less aggressive measures of care and treatment. In a Crisis Response environment it is anticipated that some patients may request to voluntarily give/"gift" their access to the hospital, ICU, ventilator, or other resource to another person. If a patient is requesting to make such

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a "gift", it should be witnessed (following the requirements for advance directives) and documented in the medical record. Surrogate decision makers or agents with medical power of attorney may <u>not</u> make this decision on behalf of a patient; however, they can still refuse life sustaining treatment if they believe it is disproportionate based on the patient's wishes or best interest.

Appendix 4: Tiebreaker

- 1. <u>Randomization should be used as a tiebreaker if:</u>
 - a. <u>multiple patients meet inclusion criteria at the same time, and the PBRT believes they are equally</u> <u>likely to benefit from an available resource; or</u>
 - b. <u>no resources are currently available and the PBRT believes that multiple patients on the waiting list</u> <u>are equally likely to benefit from an available resource.</u>
- 2. Patients who present at different times (e.g. on different days or several hours apart), should not be included in the same randomization process due to the logistical difficulty of an ever-expanding list of patients to include in a randomization.
- 3. <u>It is strongly encouraged to use a digital randomization process (that can be saved for future reference)</u> rather than manual randomization.
- 4. <u>Patients who are currently using an available scarce resource should not be included in the</u> randomization process, including those undergoing a 48 hour reassessment, because they may take two to three weeks to recover.

VI. RELATED POLICIES: Examples

- A. Emergency Management Plans Per Facility
- B. Infection Prevention Plans Per Facility
- C. Security Management Plan Per Facility
- D. Medical Staff Rules and Regulations Emergency Preparedness Per Facility
- E. COVID-19 N95 Respirator and Medical Mask Extended Use and Reuse Guidelines
- F. Visitor Screening Guideline
- G. Associate/Clinician Screening Guideline
- H. Peer Based Review Team Guidelines

VII. REFERENCES:

- Utah Pandemic Influenza Hospital and ICU Triage Guidelines, Utah Department of Health, Version 2, 2009, available at <u>pandemicflu.utah.gov/plan/med_triage081109.pdf</u>
- 2. Jones AE, Trzeciak S, Kline JA. The Sequential Organ Failure Assessment score for predicting outcome in patients with severe sepsis and evidence of hypoperfusion at the time of emergency department presentation. *Critical Care Medicine*. 2009;37(5):1649–1654.
- 3. Christian MD, Hawryluck L, Wax RS, et al. Development of a triage protocol for critical care during an influenza pandemic. *Canadian Medical Association Journal*. 2006;175(11):1377-1381.
- 4. Commentary: Melnychuk RM, Kenny NP. Pandemic triage: the ethical challenge. *Canadian Medical Association Journal*. 2006;175(11):1393.
- 5. Hick JL, O'Laughlin DT. Concept of operations for triage of mechanical ventilation in an epidemic. *Academic Emergency Medicine*. 2006;13(2):223-229.
- 6. Champion HR, Sacco WJ, Carnazzo AJ, Copes W, Fouty WJ. Trauma score. *Critical Care Medicine*. 1981;9(9):672-676.
- 7. Champion HR, Sacco WJ, Copes WS, Gann DS, Gennarelli TA, Flanagan ME. A revision of the Trauma Score. *Journal of Trauma*. 1989;29(5):623-629.
- 8. Teasdale G, Jennett B. Assessment of coma and impaired consciousness. A practical scale. *Lancet*. 1974;2(7872):81-84.
- New York Heart Association. The stages of heart failure NYHA classification. Heart Failure Society of America Web site. http:// www.abouthf.org/questions stages.htm. Published 2002. Updated September 28, 2006. Accessed December 5, 2007.

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10. Pugh RNH, Murray-Lyon M, Dawson JL, Pietroni MC, Williams R. Transection of the oesophagus for bleeding oesophageal varices. *British Journal of Surgery*. 1973;60(8):646-649.

Date

VIII. OFFICE OF PRIMARY RESPONSIBILITY: Clinical Excellence; Theology and Ethics.

Approved by:

Executive Vice President & Chief Clinical Officer

Distributed by: Kevin Murphy, SVP Mission Integration, Ethics and Theology on April 10, 2020