

# Ethics of Resource Allocation (Pandemic/ COVID)

Compiled by Kristin LaLonde, AHIP. Submissions are a collaboration with Maureen Dunn, Laurie J. Schwing, Brian Baker, the Hospital Libraries Section LISTSERV and the MLA Hospital Library Caucus.

If you do not have access to any articles listed, please Ask Your Librarian

Biddison, E. L. D., Faden, R., Gwon, H. S., Mareiniss, D. P., Regenber, A. C., Schoch-Spana, M., ... Toner, E. S. (2019). **Too Many Patients...A Framework to Guide Statewide Allocation of Scarce Mechanical Ventilation During Disasters.** *Chest*, 155(4), 848–854. doi: 10.1016/j.chest.2018.09.025  
[https://journal.chestnet.org/article/S0012-3692\(18\)32565-0/pdf](https://journal.chestnet.org/article/S0012-3692(18)32565-0/pdf) [OPEN ACCESS]

Emanuel, E. J., Persad, G., Upshur, R., Thome, B., Parker, M., Glickman, A., ... Phillips, J. P. (2020). **Fair Allocation of Scarce Medical Resources in the Time of Covid-19.** *New England Journal of Medicine*. doi: 10.1056/nejmsb2005114  
[https://www.nejm.org/doi/full/10.1056/NEJMSb2005114?query=featured\\_home](https://www.nejm.org/doi/full/10.1056/NEJMSb2005114?query=featured_home) [OPEN ACCESS]

## **Added 3-30 @ 10:01 AM**

BULLETIN: Civil Rights, HIPAA, and the Coronavirus Disease 2019 (COVID-19)  
HHS Office for Civil Rights  
<https://www.hhs.gov/sites/default/files/ocr-bulletin-3-28-20.pdf>

## **Added 3-30 @ 9:59 AM**

White DB, Lo B. [A Framework for Rationing Ventilators and Critical Care Beds During the COVID-19 Pandemic.](#) *JAMA*. Published online March 27, 2020.  
doi:10.1001/jama.2020.5046

## **Added 3-26 @ 1:05 PM**

Guidelines for Ethical Allocation of Scarce Medical Resources and Services During Public Health Emergencies in Michigan  
<http://www.mimedicaethics.org/Documentation/Michigan%20DCH%20Ethical%20Scarce%20Resources%20Guidelines%20v2%20rev%20Nov%202012.0.pdf>

## **Added 3-26 @ 9:09 am**

Ranney, M. L., Griffeth, V., & Jha, A. K. (2020). [Critical Supply Shortages — The Need for Ventilators and Personal Protective Equipment during the Covid-19 Pandemic.](#) *New England Journal of Medicine*. doi: 10.1056/nejmp2006141

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## Added 3-25 @ 6:55 pm

Powell, T., K.C. Christ, and G.S. Birkhead, [Allocation of Ventilators in a Public Health Disaster](#). Disaster Med Public Health

## Added 3-25 @ 6:54 pm

Christian, M.D., et al., [Development of a triage protocol for critical care during an influenza pandemic](#). CMAJ, 2006. **175**(11): p. 1377-81.

## Added 3-25 @ 6:53 pm

Romig, L.E., Pediatric triage. [A system to JumpSTART your triage of young patients at MCIs](#). JEMS, 2002. 27(7): p. 52-8, 60-3.

## Added 3-25 @ 6:52 pm

Benson, M., K.L. Koenig, and C.H. Schultz, [Disaster triage: START, then SAVE--a new method of dynamic triage for victims of a catastrophic earthquake](#). Prehosp Disaster Med, 1996. 11(2): p. 117-24

## Added 3-25 @ 6:51 pm

Talmor, D., et al., [Simple triage scoring system predicting death and the need for critical care resources for use during epidemics](#). Crit Care Med, 2007. 35(5): p. 1251-6.

## Added 3-25 @ 6:41 pm

Hick, J.L. and D.T. O'Laughlin, [Concept of operations for triage of mechanical ventilation in an epidemic](#). Acad Emerg Med, 2006. 13(2): p. 223-9.

## Added 3-23 @ 4:17 pm

Medical Ethics and Disasters | NLM. (n.d.). Retrieved from <https://disasterinfo.nlm.nih.gov/ethics> [OPEN ACCESS]

## Added 3-23 @ 2:16 PM

Maves, R. C., Jamros, C. M., & Smith, A. G. (2019). **Intensive Care Unit Preparedness During Pandemics and Other Biological Threats**. Critical Care Clinics, 35(4), 609–618. doi: 10.1016/j.ccc.2019.06.001

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<https://www.sciencedirect.com/science/article/pii/S0749070419300405> [OPEN ACCESS]

## Added 3-23 @ 2:03 PM

Farra, S. L., & Smith, S. J. (2019). **Implementation of Crisis Standards of Care.** Nurse Leader. doi: 10.1016/j.mnl.2019.09.014

<https://www.sciencedirect.com/science/article/abs/pii/S1541461219302915> [PAYWALL]

## Added 3-23 @ 1:13 PM

Ventilator allocation guidelines. Albany: New York State Task Force on Life and the Law, New York State Department of Health, November 2015

[https://www.health.ny.gov/regulations/task\\_force/reports\\_publications/docs/ventilator\\_guidelines.pdf](https://www.health.ny.gov/regulations/task_force/reports_publications/docs/ventilator_guidelines.pdf). [OPEN ACCESS]

## Added 3-23 @1:03 PM

Truog, R. D., Mitchell, C., & Daley, G. Q. (2020). **The Toughest Triage — Allocating Ventilators in a Pandemic.** New England Journal of Medicine. doi: 10.1056/nejmp2005689

<https://www.nejm.org/doi/full/10.1056/NEJMp2005689?query=RP> [OPEN ACCESS]

Rosenbaum, L. (2020). **Facing Covid-19 in Italy — Ethics, Logistics, and Therapeutics on the Epidemic's Front Line.** New England Journal of Medicine. doi: 10.1056/nejmp2005492

<https://www.nejm.org/doi/full/10.1056/NEJMp2005492> [OPEN ACCESS]

Gamble, M. (n.d.). **Washington healthcare leaders draft statewide plan for care rationing: State and healthcare officials in Washington state have begun drafting plans for their worst-case scenario: denying patients complete medical care if the coronavirus overwhelms the health system in coming weeks.** Retrieved from:

<https://www.beckershospitalreview.com/patient-flow/washington-healthcare-leaders-draft-statewide-plan-for-care-rationing.html> [OPEN]

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Leider, J. P., Debruin, D., Reynolds, N., Koch, A., & Seaberg, J. (2017). **Ethical Guidance for Disaster Response, Specifically Around Crisis Standards of Care: A Systematic Review**. *American Journal of Public Health*, 107(9). doi:

10.2105/ajph.2017.303882

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5551597/> [OPEN ACCESS]

Biddison, E. L. D., Gwon, H., Schoch-Spana, M., Cavalier, R., White, D. B., Dawson, T., ... Toner, E. S. (2014). **The Community Speaks: Understanding Ethical Values in Allocation of Scarce Lifesaving Resources during Disasters**. *Annals of the American Thoracic Society*, 11(5), 777–783. doi: 10.1513/annalsats.201310-379oc

<https://www.atsjournals.org/doi/pdf/10.1513/AnnalsATS.201310-379OC> [OPEN ACCESS]

Farrar, Jocelyn A. **Pandemic Influenza : Allocating Scarce Critical Care Resources**. *JONA: The Journal of Nursing Administration*: January 2010 - Volume 40 - Issue 1 - p 1-3. doi: 10.1097/NNA.0b013e3181c47b4e

[https://journals.lww.com/jonajournal/Citation/2010/01000/Pandemic\\_Influenza\\_\\_Allocating\\_Scarce\\_Critical.1.aspx](https://journals.lww.com/jonajournal/Citation/2010/01000/Pandemic_Influenza__Allocating_Scarce_Critical.1.aspx) [PAYWALL]

**Allocating Scarce Resources in a Pandemic: Ethical and Public Policy Dimensions**. (2006). *AMA Journal of Ethics*, 8(4), 241–244. Doi:

10.1001/virtualmentor.2006.8.4.pfor3-0604

<https://journalofethics.ama-assn.org/article/allocating-scarce-resources-pandemic-ethical-and-public-policy-dimensions/2006-04> [OPEN ACCESS]

Uscher-Pines, L., Omer, S. B., Barnett, D. J., Burke, T. A., & Balicer, R. D. (2006).

**Priority Setting for Pandemic Influenza: An Analysis of National Preparedness Plans**. *PLoS Medicine*, 3(10). doi: 10.1371/journal.pmed.0030436

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC1609123/> [OPEN ACCESS]

Thompson, A.K., Faith, K., Gibson, J.L. et al. **Pandemic influenza preparedness: an ethical framework to guide decision-making**. *BMC Med Ethics* 7, 12 (2006).

<https://doi.org/10.1186/1472-6939-7-12>

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<https://bmcmedethics.biomedcentral.com/articles/10.1186/1472-6939-7-12> [OPEN ACCESS]

Institute of Medicine. ***Crisis Standards of Care: Lessons from Communities Building Their Plans: Workshop in Brief***. Washington, DC: National Academies Press, 2014.

<http://www.nationalacademies.org/hmd/Activities/PublicHealth/MedPrep/2014-APR-02/Workshop-in-Brief.aspx>. [OPEN ACCESS]

## Non-Article Reports

Institute of Medicine. ***Crisis Standards of Care: A Toolkit for Indicators and Triggers. Report brief***. Washington, DC: National Academies Press, 2013.

<http://www.nationalacademies.org/hmd/~media/Files/Report%20Files/2013/CSC-Triggers/CSC-Triggers-RB.pdf>. [OPEN ACCESS]

Institute of Medicine. ***Engaging the Public in Critical Disaster Planning and Decision Making***. Workshop summary. Washington, DC: National Academies Press, 2013.

<http://www.nationalacademies.org/HMD/Reports/2013/Engaging-the-Public-in-Critical-Disaster-Planning-and-Decision-Making.aspx>. [OPEN ACCESS]

Institute of Medicine. ***Crisis Standards of Care: Systems Framework for Catastrophic Disaster Response***. Report brief. Washington, DC: National Academies Press, 2012.

[http://www.nationalacademies.org/hmd/~media/Files/Report%20Files/2012/Crisis-Standards-of-Care/CSC\\_rb.pdf](http://www.nationalacademies.org/hmd/~media/Files/Report%20Files/2012/Crisis-Standards-of-Care/CSC_rb.pdf). [OPEN ACCESS]

Institute of Medicine. ***Guidance for Establishing Standards of Care for Use in Disaster Situations: A Letter Report***. Report brief. Washington, DC: National Academies Press, 2009.

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<http://www.nationalacademies.org/hmd/~media/Files/Report%20Files/2009/DisasterCareStandards/Standards%20of%20Care%20report%20brief%20FINAL.pdf>. [OPEN ACCESS]

B. M. Altevogt et al. **Guidance for Establishing Crisis Standards of Care for Use in Disaster Situations**. Emergency Books, 2. Institute of Medicine of the National Academies, 2009. <https://www.nap.edu/download/12749> [OPEN]

“**Intensive care medicine: triage in case of bottlenecks**” The Swiss Academy of Medical Sciences guidelines  
<https://www.samw.ch/en/Ethics/Topics-A-to-Z/Intensive-care-medicine.html> [OPEN ACCESS]

Società Italiana di Anestesia Analgesia Rianimazione e Terapia Intensiva (2020). **Clinical Ethics Recommendations for the Allocation of Intensive Care Treatments in exceptional, resource-limited circumstances**  
<http://www.siaarti.it/SiteAssets/News/COVID19%20-%20documenti%20SIAARTI/SIAARTI%20-%20Covid-19%20-%20Clinical%20Ethics%20Reccomendations.pdf> [OPEN ACCESS]

The Hastings Center: “**Ethics Resources on the Coronavirus**”  
<https://www.thehastingscenter.org/ethics-resources-on-the-coronavirus/> [OPEN ACCESS]