

Compiled by Michael Edwards, PhD, Northeast Telehealth Resource Center, **May 26, 2020**

Note: Resources on U.S. programs have state codes in red placed t end of reference.

Note: for ED telestroke applications, request our separate webliography at NETRC.org

Explore the NETRC Resource Library at <http://www.netrc.org/resources.php>

Navigation Table (use Control+Select to jump to topic)

Hospital to Hospital or Specialist Services	Behavioral Health
--Policies and reimbursement	--Reviews and guidelines
--Guidelines and best practices	--Demonstrations and research studies
--Demonstrations and research studies	Telemedicine for Disaster Response
Pre-hospital Triage, Diversion, or Prevention Strategies	--COVID-19 pandemic
--Reviews and policy resources	--Other disasters
--Demonstrations and research studies	

Hospital to Hospital and ED Specialist Services

--Policies and reimbursement

- o [COVID era set](#)
- Center for Connected Health Policy. Telehealth coverage policies in the time of COVID-19 to date. CCHP, 2020 [pdf](#)
- Center for Connected Health Policy. Quick glance state telehealth actions in response to COVID-19. CCHP, March 31, 2020 [pdf](#)
- Centers for Medicare & Medicaid Services. CMS Medicare coverage and payment of virtual services—webinar recording. CMS, May 8, 2020 [htm](#)
- Centers for Medicare & Medicaid Services. COVID-19 frequently asked questions (FAQs) for state Medicaid and Children’s Health Insurance Program (CHIP) agencies. CMS, May 5, 2020 [pdf](#)
- Centers for Medicare & Medicaid Services. Frequently asked questions for hospitals and critical access hospitals regarding EMTALA. CMS, April 30, 2020 [pdf](#)
- Centers for Medicare & Medicaid Services. Risk adjustment FAQ on COVID-19. CMS, April 27, 2020 [pdf](#)
- Centers for Medicare & Medicaid Services. Covered telehealth services for PHE for the COVID-19 pandemic. CMS, April 30, 2020 [htm](#)
- Centers for Medicaid & Medicaid Services. COVID-19 emergency declaration blanket waivers for health care providers. CMS, April 21, 2020 [pdf](#)
- Centers for Medicaid & Medicaid Services. Rural health care and Medicaid telehealth flexibilities, and guidance regarding Section 1009 of the ...SUPPORT Act entitled Medicaid Substance Use Disorder Treatment via Telehealth. CMS, DHHS, April 2, 2020 [pdf](#)
- Centers for Medicaid & Medicaid Services. Billing for professional telehealth services during the public health emergency. Medicare Learning Network, Special Edition, March 31, 2020 [htm](#); Revision, April 3: [htm](#)
- Centers for Medicare & Medicaid Services. Emergency Medical Treatment and Labor Act (EMTALA) requirements and implications related to Coronavirus Disease 2019 (COVID19). CMS Center for Clinical Standards and Quality, Quality Safety and Oversight Group, March 30, 2020 [pdf](#)
- Centers for Medicare & Medicaid Services. Telehealth Services. Medicare Learning Network Rural Health Fact Sheet Series, Department of Health and Human Services, March 2020 [pdf](#)
- Centers for Medicare & Medicaid Services. Hospitals: CMS flexibilities to fight COVID-19. CMS, March 30, 2020 [pdf](#)
- Centers for Medicare & Medicaid Services. Physicians and other clinicians: CMS flexibilities to fight COVID-19. CMS, March 30, 2020 [pdf](#)
- Drug Enforcement Administration. Telemedicine—COVID-19 information page. DEA, Dept. of Justice, 2020 [htm](#)
- e-Consult Worklgroup. e-Consult Advocate Toolkit: Advancing your state’s e-Consult use during the COVID-19 pandemic. BluePath Health, April 2020 [pdf](#)
- Federation of State Medical Boards. States waiving licensure requirements/renewals in response to COVID-19. FSMB, March 19, 2020 [htm](#)

- Health Resources & Services Administration. Policy changes during the COVID-19 Public Health Emergency-telehealth. HRSA, Department of Health and Human Services website, 2020 [htm](#)
- The Joint Commission. Emergency management – privileging requirements when providing services via telehealth links during a disaster. Joint Commission website, 2020 [htm](#)
- Wicklund E. CMS launches new Medicare payment model for 911 triage by telehealth. mHealth Intelligence, February 28, 2020 [htm](#)
- Pre-COVID set
- American College of Emergency Physicians. Emergency telehealth section: operational guidelines. Board of Directors, January 2019 [pdf](#)
- American College of Emergency Physicians. Emergency medicine telemedicine. ACEP Policy Statement, 2016 [pdf](#)
- Bauman, Z.M., Azim, A., Latifi, R. et al. Advancing trauma and emergency education through virtual presence. *Curr. Trauma Rep.* 2 (3): 124-131, 2016 [htm](#)
- Bell M, Larson D, Weems J, et al. Emergency Medical Treatment and Active Labor Act (EMTALA) and telehealth in Critical Access Hospitals. National Rural Health Association Policy Brief, 2011 [pdf](#)
- Caldarola P, Gulizia MM, Gabrielli D, et al. ANMCO/SIT consensus document: telemedicine for cardiovascular emergency networks. *Eur. Heart J. Suppl.* 19(Suppl D):D229-D243, 2017 [htm](#)
- Center for Connected Health Policy. Billing for telehealth encounters: an introductory guide on fee-for-service. CCHP, January 2020 [pdf](#)
- Center for Connected Health Policy. CMS Medicare telehealth information resource compilation. CCHP, December 2019 [pdf](#)
- Center for Connected Health Policy. State telehealth laws and Medicaid program policies: a comprehensive scan of the 50 states and District of Columbia. CCHP, Fall 2019 [pdf](#)
- Center for Connected Health Policy. Telehealth policy barriers. CCHP Fact Sheet, February, 2019 [pdf](#)
- Center for Connected Health Policy. Telehealth reimbursement. CCHP Fact Sheet, February, 2019 [pdf](#)
- Center for Connected Health Policy. Finalized CY 2020 Physician Fee Schedule (PFS). CCHP Factsheet, November 2019 [pdf](#)
- Centers for Medicare & Medicaid Services. Critical Access Hospital (CAH) emergency services and telemedicine: implications for emergency services Condition of Participation (CoPs) and Emergency Medical Treatment and Labor Act (EMTALA) on-call compliance. CMS Memo, June 2013 [htm](#)
- Gilroy AS, Rockwell KL, Castles CE, Teubner Boughton S. Telemedicine in the emergency department and EMTALA compliance. *Lexology*, June 16, 2017 [htm](#)

--Guidelines and best practices

- COVID era set
- Baker M, Curtis K, Joshi A, Shaheen E, Skow B. Quick Guide to a Basic Tele-Triage Program. American College of Emergency Physicians COVID-19 Field Guide, April 2020 [htm](#)
- Dean's Office, University of Virginia.School of Medicine. DOD (MTEC) – National Emergency Telecritical Care Network (NETCCN) Project. Medical Technology Enterprise Consortium press release, March 30, 2020 [htm](#) VA
- Elkbuli A, Ehrlich H, McKenney M. The effective use of telemedicine to save lives and maintain structure in a healthcare system: Current response to COVID-1. *Amer. J. Emerg. Med.* [epub ahead of print], April 2020 [pdf](#) FL
- Gossen A, Mehring B, Gunnell BS, et al. The Isolation Communication Management System (iSOCOMS): A telemedicine platform to care for patients in a biocontainment unit. *Ann. Amer. Thorac. Soc.* [epub ahead of print], May 2020 [htm](#) VA
- Grange ES, Neil EJ, Stoffel M, et al. Responding to COVID-19: The UW Medicine Information Technology Services experience. *Appl. Clin. Inform.* 11(2):265-275, 2020 [htm](#) WA
- Illinois Department of Public Health. COVID-19 EMS telehealth or telephone guidelines for non-transport of non-urgent patients. IDPH, March 26, 2020 [htm](#) IL
- Iyengar K, Vaish A, Toh E, Vaishya R. COVID-19 and remote consulting strategies in managing trauma and orthopaedics. *Postgrad. Med. J.* [epub ahead of print]. May 2020 [htm](#)
- Khairat S, Meng C, Xu Y, Edson B, Gianforcaro R. Interpreting COVID-19 and virtual care trends: cohort study. *JMIR Public Health Surveill.* 6(2):e18811, 2020 [htm](#) NC
- Kwong M, Ford DW, King K, Summers RL, Cespedes J, Skow BS. Telehealth and COVID-19--webinar recording. HRSA Telehealth Learning Series, April 20, 2020 [htm](#) (requires a free registration)
- Latifi R, Doarn CR. Perspective on COVID-19: finally, telemedicine at center stage. *Telemed. eHealth* [epub ahead of print], May 2020 [htm](#) NY
- Ohannessian R, Duong TA, Odone A. Global telemedicine implementation and integration within health systems to fight the COVID-19 pandemic: a call to action. *JMIR Public Health Surveill.* 6(2):e18810, 2020 [htm](#)

- Reeves JJ, Hollandsworth HM, Torriani FJ, et al. Rapid response to COVID-19: health informatics support for outbreak management in an academic health system. *J. Amer. Med. Inform. Assoc.* [epub ahead of print], March 2020 [htm CA](#)
- Shaheen E, Baker M, Curtis K, et al. Telehealth and tele-triage. American College of Emergency Physicians COVID-19 Field Guide, April 2020 [htm](#)
- Society for Critical Care Medicine. Tip sheet: Application of telemedicine and telecritical care to emergency management of COVID-19. SCCM, March 2020 [pdf](#)
- Turer RW, Jones I, Rosenbloom ST, Slovis C, Ward MJ. Electronic personal protective equipment: a strategy to protect emergency department providers in the age of COVID-19. *J. Amer. Med. Inform. Assoc.* [epub ahead of print], April, 2020 [htm TN](#)
- U.S. Food and Drug Administration. Coronavirus (COVID-19) update: FDA allows expanded use of devices to monitor patients' vital signs remotely. FDA News Release, March 20, 2020 [htm](#); Guidance document: [pdf](#)
- Pre-COVID set
- American College of Emergency Physicians. Emergency telehealth section: operational guidelines. Board of Directors, January 2019 [pdf](#)
- Beck JA, Jensen JA, Putzier RF, et al. Developing a newborn resuscitation telemedicine program: a comparison of two technologies. *Telemed. eHealth* 24(7):481-488, 2018 [htm MN](#)
- Edirippulige S, Armfield NR, Greenup P, Bryett A. Telehealth coordinators in hospital based telehealth services: Who are they and what do they do? *J. Telemed. Telecare* 22(8):447-452, 2016 [htm](#)
- Loria K. Remote access: how ultrasound in telemedicine is changing education, training, and patient care. *Radiology Today* 19(8):24, 2018 [htm](#)
- MacKinney AC, Ward MM., Ullrich F, Ayyagari P, Bell AL, Mueller KJ. The business case for tele-emergency. *Telemed. eHealth* 21(12): 1005-1011, 2015 [PubMed IA, SD](#)
- Mueller KJ, Potter AJ, MacKinney AC, Ward MM. Lessons from tele-emergency: improving care quality and health outcomes by expanding support for rural care systems. *Health Affairs* 33(2):228-234, 2014 [htm IA, SD](#)
- Rockwell KL, Gilroy A. Emergency telemedicine: achieving and maintaining compliance with the Emergency Medical Treatment and Labor Act. *Telemed. eHealth* 24(11):934-937, 2018 [PubMed MI](#)
- Romare C, Skär L. Smart glasses for caring situations in complex care environments: scoping review. *JMIR mHealth uHealth* 8(4):e16055, 2020 [htm](#)
- Sharma R, Nachum S, Davidson KW, Nochomovitz M. It's not just FaceTime: core competencies for the Medical Virtualist. *Int. J. Emerg Med.* 12(1):8, 2019 [htm NY](#)
- Sikka N, Paradise S, Shu M. Telehealth in emergency medicine: a primer. American Colleges of Emergency Physicians, 2013 [htm](#)
- Theurer L, Bashshur R, Bernard J, et al. American Telemedicine Association guidelines for teleburn. *Telemed. eHealth* 23(5):365-375, 2017 [htm](#)
- Tsou C, Robinson S, Boyd J, et al. Effectiveness and cost-effectiveness of telehealth in rural and remote emergency departments: a systematic review protocol. *Syst Rev.* 9(1):82, 2020 [htm](#)
- Zachrisson KS, Boggs KM, Hayden EM, Espinola JA, Camargo CA Jr. Understanding barriers to telemedicine implementation in rural emergency departments. *Ann. Emerg. Med.* 75(3):392-399.2019 [PubMed](#)

[RETURN TO TOPICS](#)

--Guidelines and best practices

- American College of Emergency Physicians. Emergency telehealth section: operational guidelines. Board of Directors, January 2019 pdf
- Ajami S, Arzani-Birgani A. Fast resuscitation and care of the burn patients by telemedicine: A review. *J. Res. Med. Sci.* 19(6):562-566, 2014 [htm](#)
- Arnold S, Esernio-Jenssen D. Telemedicine: reducing trauma in evaluating abuse. Chapt. 6 in: R. Madhavan, S. Khalid (eds.), *Telemedicine*. InTech, 2013 [htm](#)
- Atiyeh B, Dibo SA, Janom HH. Telemedicine and burns: an overview. *Ann. Burns Fire Disasters* 27(2):87-93, 2014 [htm](#)
- Constantinescu EC, Nicolau C, Săftoiu A. Recent developments in tele-ultrasonography. *Curr. Health Sci. J.* 44(2):101-106, 2018 [htm](#)
- Doarn CR, Latifi R. Telementoring and teleproctoring in trauma and emergency care. *Curr. Trauma Rep.* 2(3): 138-143, 2016 [htm](#)
- du Toit M, Malau-Aduli B, Vangaveti V, Sabesan S, Ray RA. Use of telehealth in the management of non-critical emergencies in rural or remote emergency departments: a systematic review. *J. Telemed. Telecare* 25(1):3-16, 2019 [htm](#)

- Gattu R, Teshome G, Lichenstein R. Telemedicine applications for the pediatric emergency medicine: a review of the current literature. *Pediatr. Emerg. Care* 32(2):123-130, 2016 [PubMed](#)
- Lapointe L, Lavallee-Bourget MH, Pichard-Jolicoeur A, Turgeon-Pelchat C, Fleet R. Impact of telemedicine on diagnosis, clinical management and outcomes in rural trauma patients: A rapid review. *Can. J. Rural Med.* 25(1):31-40, 2020 [pdf](#)
- Latifi R. Telemedicine for trauma and intensive care: changing the paradigm of telepresence. In: R. Latifi et al. (eds.), *Technological Advances in Surgery, Trauma and Critical Care*, pp. 51-57, 2015 [htm](#)
- Levine AC, Barry MA, Agrawal P, et al. Global health and emergency care: overcoming clinical research barriers. *Acad. Emerg. Med.* 24(4):484-493, 2017 [PubMed](#)
- Lewis ER, Thomas CA, Wilson ML, Mbarika VWA. Telemedicine in acute-phase injury management: a review of practice and advancements. *Telemed. eHealth* 18(6): 434–445, 2012 [htm](#)
- Marsh-Feiley G, Eadie L, Wilson P. Telesonography in emergency medicine: A systematic review. *PLoS One* 13(5):e0194840, 2018 [htm](#)
- Prabhakaran K, Lombardo G, Latifi R. Telemedicine for trauma and emergency management: an overview. *Curr. Trauma Rep.* 2(3):115-123, 2016 [htm](#)
- Scurlock C, Becker C. Telemedicine for trauma and emergency: The eICU. *Curr. Trauma Rep.* 2(3): 132–137, 2016 [htm](#)
- Shaheen E, Guyette FX, Sikka N, et al. Review of emergency telehealth whitepaper. American College of Emergency Physicians, 2018 [pdf](#)
- Totten AM, Hansen RN, Wagner J, et al. Telehealth for acute and chronic care consultations. Comparative Effectiveness Review No. 216, Agency for Healthcare Research and Quality; April 2019 [pdf](#)
- Ward MM, Jaana M, Natafqi N. Systematic review of telemedicine applications in emergency rooms. *Int. J. Med. Inform.* 84(9):601-616, 2015 [htm](#)

[RETURN TO TOPICS](#)

--Demonstrations and research studies

- Agarwal AK, Gaijeski DF, Perman SM, Leary M, Delfin G, Abella BS, Carr BG. Telemedicine REsuscitation and Arrest Trial (TREAT): A feasibility study of real-time provider-to-provider telemedicine for the care of critically ill patients. *Heliyon* 2(4):e00099, 2016 [htm](#) [PA](#)
- Al-Kadi A, Dyer D, Ball CG, et al. User's perceptions of remote trauma telesonography. *J. Telemed. Telecare* 15(5):251-254, 2009 [PubMed](#)
- Arbeille P, Fornage B, Boucher A, et al. Telesonography: virtual 3D image processing of remotely acquired abdominal, vascular, and fetal sonograms. *J. Clin. Ultrasound* 42(2):67-73, 2014 :[PubMed](#)
- Atiyeh B, Dibo SA, Janom HH. Telemedicine and burns: an overview. *Ann. Burns Fire Disasters* 27(2):87-93, 2014 [htm](#)
- Barbash IJ. Connecting the docs: telemedicine support during in-hospital cardiac arrest resuscitation. *Ann. Amer. Thorac. Soc.* 17(3):278-279, 2020 [PubMed](#) [PA](#)
- Beck JA, Jensen JA, Putzier RF, et al. Developing a newborn resuscitation telemedicine program: a comparison of two technologies. *Telemed. eHealth* 24(7):481-488, 2018 [htm](#) [MN](#)
- Boissin C, Blom L, Wallis L, Laflamme L. Image-based teleconsultation using smartphones or tablets: qualitative assessment of medical experts. *Emerg. Med. J.* 34(2):95-99, 2017 [htm](#)
- Brova M, Boggs KM, Zachrison KS, et al. Pediatric telemedicine use in U.S. emergency departments. *Acad. Emerg. Med.* .1427-1432, 2018 [htm](#) [MA](#)
- Burgess A, Coburn A. Innovations in rural health system development: service delivery advances in care coordination, emergency care, and telehealth. Maine Rural Health Research Center, Muskie School of Public Service, November, 2016 [pdf](#) [ME](#)
- Castellano NN, Gazquez JA, Garcia Salvador RM, et al. Design of a real-time emergency telemedicine system for remote medical diagnosis. *Biosys. Eng.* 138: 23-32, 2015 [pdf](#)
- Chai PR, Babu KM, Boyer EW. The feasibility and acceptability of Google Glass for teletoxicology consults. *J. Med. Toxicol.* 11(3):283-287, 2015 [htm](#) [MA](#)
- Chai PR, Wu RY, Ranney ML, Bird J, Chai S, Zink B, Porter PS. Feasibility and acceptability of Google Glass for emergency department dermatology consultations. *JAMA Dermatol.* 151(7):794-796, 2015 [htm](#) [MA](#)
- Chai PR, Wu RY, Ranney ML, Porter PS, Babu KM, Boyer EW. The virtual toxicology service: wearable head-mounted devices for medical toxicology. *J. Med. Toxicol.* 10(4):382-387, 2014 [htm](#) [MA](#)
- Cheeley J, Chen S, Swerlick R. Consultative teledermatology in the emergency department and inpatient wards: A survey of potential referring providers. *J. Amer. Acad. Dermatol.* 79(2):384-386, 2018 [htm](#) [GA](#)
- Clay-Williams R, Baysari M, Taylor N, et al. Service provider perceptions of transitioning from audio to video capability in a telehealth system: a qualitative evaluation. *BMC Health Serv. Res.* 17(1):558, 2017 [htm](#)

Crane PW, Wiegand TJ, Kamali M, et al. Telemedicine delivery and successful reimbursement in toxicology. *J. Med. Toxicol.* 14(3):242-247, 2018 [htm NY](#)

Crawford I, McBeth PB, Mitchelson M, Ferguson J, Tiruta C, Kirkpatrick AW. How to set up a low cost tele-ultrasound capable videoconferencing system with wide applicability. *Crit. Ultrasound J.* 4(1):13, 2012 [htm](#)

Czaplik M, Bergrath S, Rossaint R, et al. Employment of telemedicine in emergency medicine. Clinical requirement analysis, system development and first test results. *Methods Inf. Med.* 53(2):99-107, 2014 [htm](#)

Dayal P, Hojman NM, Kissee JL, et al. Impact of telemedicine on severity of illness and outcomes among children transferred from referring emergency departments to a children's hospital PICU. *Pediatr. Crit. Care Med.* 17(6):516-521, 2016 [htm CA](#)

Desjardins K. Critical access to critical care: utilizing connected care partnerships to support rural healthcare teams. Presentation at North Country Telehealth Conference, Glens Falls, November 7-8, 2018 [pdf NH](#)

Dharmar M, Sadorra CK, Leigh P, et al. The financial impact of a pediatric telemedicine program: A children's hospital's perspective. *Telemed. eHealth* 19(7): 502-508, 2013 [htm CA](#)

Dharmar M, Kuppermann N, Romano PS, et al. Telemedicine consultations and medication errors in rural emergency departments. *Pediatrics* 132(6):1090-1097, 2013 [htm CA](#)

Dharmar M, Romano PS, Kuppermann N, et al. Impact of critical care telemedicine consultations on children in rural emergency departments. *Crit. Care Med.* 41(10):2388-2395, 2013 [htm CA](#)

Donohue LT, Hoffman KR, Marcin JP. Use of telemedicine to improve neonatal resuscitation. *Children* 6(4): pii: E50, 2019 [htm CA](#)

Dyer D, Cusden J, Turner C, et al. The clinical and technical evaluation of a remote telementored telephonography system during the acute resuscitation and transfer of the injured patient. *J. Trauma* 65(6):1209-1216, 2008 [PubMed](#)

Ellis DG, Mayrose J, Phelan M. Consultation times in emergency telemedicine using realtime videoconferencing. *J. Telemed. Telecare* 12(6):303-305, 2006 [PubMed NY](#)

Ellis DG, Mayrose J. The success of emergency telemedicine at the State University of New York at Buffalo. *Telemed. eHealth* 9(1):73-79, 2003 [PubMed NY](#)

Fairchild R, Kuo SFF, Laws S, O'Brien A, Rahmouni H. Perceptions of rural emergency department providers regarding telehealth-based care: Perceived competency, satisfaction with care and tele-ED patient disposition. *Open J. Nursing* 7: 721-733, 2017 [htm IN](#)

Fang JL, Collura CA, Johnson RV, et al. Emergency video telemedicine consultation for newborn resuscitations: The Mayo Clinic experience. *Mayo Clin. Proc.* 91(12):1735-1743, 2016 [PubMed MN](#)

Ferreira AC, O'Mahony E, Oliani AH, et al. Teleultrasound: Historical perspective and clinical application. *Int. J. Telemed. Appl.* 2015: 1-11, 2015 [pdf](#)

Foster CC, Macy ML, Simon NJ, et al. Emergency care connect: extending pediatric emergency care expertise to general emergency departments through telemedicine. *Acad. Pediatr.* [epub ahead of print], February 2020 [PubMed IL](#)

Freeman WD, Barrett KM, Vatz KA, Demaerschalk BM. Future neurohospitalist: teleneurohospitalist. *Neurohospitalist*.2(4):132-143, 2012 [htm AZ](#)

Garber RN, Garcia E, Goodwin CW, Deeter LA. Pictures do influence the decision to transfer: outcomes of a telemedicine program serving an eight-state rural population. *J. Burn Care Res.* [epub ahead of print], February 2020 [PubMed CO](#)

Gill SD, Stella J, Blazeska M, Bartley B. Distant supervision of trainee emergency physicians undertaking a remote placement: A preliminary evaluation. *Emerg. Med. Australasia* [epub ahead of print], February 2020 [PubMed](#)

Greenwald PW, Stern M, Clark S, et al. A novel emergency department-based telemedicine program: how do older patients fare? *Telemed. e-Health* 25(10):966-972, 2019 [PubMed NY](#)

Grossmann ZR, Sorondo B, Holmberg R, Bjorn P. Telemedicine consultation for emergency trauma: The 130 million square foot trauma room. *Bull. Amer. Coll. Surg.* 96(6):12-19, 2011 [htm ME](#)

Halpren-Ruder D, Chang AM, Hollander JE, Shah A. Quality assurance in telehealth: adherence to evidence-based indicators. *Telemed. eHealth.* [epub ahead of print], August 2018 [PubMed PA](#)

Harris Y, Gilman B, Ward MM, et al. Building the evidence base for tele-emergency care: efforts to identify a standardized set of outcome measures. *Telemed. e-Health* 23(7):561-566, 2017 [PubMed IA](#)

Harvey JB, Yeager BE, Cramer C, Wheeler D, McSwain SD. The impact of telemedicine on pediatric critical care triage. *Pediatr. Crit. Care Med.* 18(11):e555-e560, 2017 [PubMed SC](#)

Hayden EM, Khatri A, Kelly HR, Yager PH, Salazar GM. Mannequin-based telesimulation: increasing access to simulation-based education. *Acad. Emerg. Med.* 25(2):144-147, 2018 [htm MA](#)

Haynes SC, Dharmar M, Hill BC, et al. The impact of telemedicine on transfer rates of newborns at rural community hospitals. *Acad. Pediatr.* [epub ahead of print], February 2020 [PubMed CA](#)

Heaton HA, Russi CS, Monroe RJ, Thompson KM, Koch KA. Telehealth dashboard: leverage reporting functionality to increase awareness of high-acuity emergency department patients across an enterprise practice. *BMJ Health Care Inform.* 26(1): e100093, 2019 [htm MN](#)

- Hicks LL, Boles KE, Hudson ST, et al. Using telemedicine to avoid transfer of rural emergency department patients. *J. Rural Health* 17(3):220-228, 2001 [PubMed](#) [MO](#)
- Hofmeyer J, Leider JP, Satorius J, Tanenbaum E, Basel D, Knudson A. Implementation of telemedicine consultation to assess unplanned transfers in rural long-term care facilities, 2012-2015: A pilot study. *J. Amer. Med. Dir. Assoc.* [epub ahead of print], July 2016 [PubMed](#) [MD](#)
- Holt B, Faraklas I, Theurer L, Cochran A, Saffle JR. Telemedicine use among burn centers in the United States: a survey. *J. Burn Care Res.* 33(1):157-162, 2012 [htm](#) [UT](#)
- Hoppe IC, Lee Y, Granick MS, Scott SS. Digital store and forward imaging as a quality assessment tool for emergency plastic surgery consultations. *Eplasty* 14: e1, 2014 [htm](#) [NJ](#)
- Hsieh JC, Hsu MW. A cloud computing based 12-lead ECG telemedicine service. *BMC Med. Inform. Decis. Making* 12:77, 2012 [htm](#)
- Hsieh JC, Lin BX, Wu FR, Chang PC, Tsuei YW, Yang CC. Ambulance 12-lead electrocardiography transmission via cell phone technology to cardiologists. *Telemed. eHealth* 16(8):910-915, 2010 [PubMed](#)
- Hsieh JC, Yu KC, Yang CC. The realization of ubiquitous 12-lead ECG diagnosis in emergency telemedicine. *Telemed. eHealth* 15(9):898-906, 2009 [PubMed](#)
- Izzo JA, Watson J, Bhat R, et al. Diagnostic accuracy of a rapid telemedicine encounter in the Emergency Department. *Amer. J. Emerg. Med.* 36(11):2061-2063, 2018 [PubMed](#) [DC](#)
- Jackson EM, Costabile PM, Tekes A, et al. Use of telemedicine during interhospital transport of children with operative intracranial hemorrhage. *Pediatr. Crit. Care Med.* [epub ahead of print], August 2018 [PubMed](#) [MD](#)
- Jones RW, Despotou G, Arvanitis TN. Telehealth and the re-design of emergency medical services. *Stud. Health Technol. Inform.* 238:60-63, 2017 [PubMed](#)
- Jones SM, Milroy C., Pickford MA. Telemedicine in acute plastic surgical trauma and burns. *Ann. Royal Coll. Surg. Engl.* 86(4): 239–242, 2004 [pdf](#)
- Joseph B, Hadeed G, Sadoun M, Rhee PM, Weinstein RS. Video consultation for trauma and emergency surgical patients. *Crit. Care Nurs. Q.* 35(4):341-345, 2012 [htm](#) [AZ](#)
- Joseph, B, Hadeed G, Sadoun M, Rhee PM, Weinstein RS. Telemedicine in the ICU: Video consultation for trauma and emergency surgical patients. *Critical Care Nurs. Quart.* 35 (4): 341–345, 2012 [pdf](#) [AZ](#)
- Joshi AU, Randolph FT, Chang AM, et al. Impact of emergency department tele-intake on left without being seen and throughput metrics. *Acad. Emerg. Med.* [epub ahead of print], November 2019 [PubMed](#) [PA](#)
- Katayama Y, Kitamura T, Kiyohara K, et al. Improvements in patient acceptance by hospitals following the introduction of a smartphone app for the emergency medical service system: a population-based before-and-after observational study in Osaka City, Japan. *JMIR mHealth uHealth* 5(9):e134, 2017 [pdf](#)
- Khalemsky M, Schwartz DG, Silberg T, et al. Childrens' and parents' willingness to join a smartphone-based emergency response community for anaphylaxis: survey. *JMIR mHealth uHealth* 7(8):e13892, 2019 [htm](#)
- Kim JW, Tiyyagura G, Langan M. A qualitative analysis of general emergency medicine providers' perceptions on pediatric emergency telemedicine. *Pediatr. Emerg. Care* [epub ahead of print], February 2017 [PubMed](#) [NY](#)
- Koziatek C, Klein N, Mohan S, et al. Use of a telehealth follow-up system to facilitate treatment and discharge of emergency department patients with severe cellulitis. *Amer. J. Emerg. Med.* [epub ahead of print], February 2020 [PubMed](#) [NY](#)
- Kuperman EF, Linson EL, Klefstad K, Perry E, Glenn K. The virtual hospitalist: a single-site implementation bringing hospitalist coverage to critical access hospitals. *J. Hosp. Med.* 13(11):759-763, 2018 [PubMed](#) [IA](#)
- Labarbera JM, Ellenby MS, Bouressa P, Burrell J, Flori HR, Marcin JP. The impact of telemedicine intensivist support and a pediatric hospitalist program on a community hospital. *Telemed. e-Health* 19(10):760-766, 2013 [PubMed](#)
- Landman A, Emani S, Carlile N, et al. A mobile app for securely capturing and transferring clinical images to the electronic health record: description and preliminary usability study. *JMIR Mhealth Uhealth.* 3(1):e1, 2015 [htm](#) [MA](#)
- Latifi R, Weinstein RS, Porter JM, et al. Telemedicine and telepresence for trauma and emergency care management. *Scand J Surg.* 96(4):281-289, 2007 [htm](#) [NY](#)
- Lazzara EH, Benishek LE, Patzer B, et al. Utilizing telemedicine in the trauma intensive care unit: does it impact teamwork? *Telemed. e-Health* 21(8):670-676, 2015 [htm](#)
- Lilly CM, Mullen M. Critical care surge management: a role for ICU telemedicine and emergency department collaboration. *Crit. Care Med.* 47(9):1271-1273, 2019 [PubMed](#) [MA](#)
- Lion KC, Brown JC, Ebel BE, et al. Effect of telephone vs video interpretation on parent comprehension, communication, and utilization in the pediatric emergency department: a randomized clinical trial. *JAMA Pediatr.* 169(12):1117-1125, 2015 [htm](#) [WA](#)
- Machado SM, Wilson EH, Elliott JO, Jordan K. Impact of a telemedicine eICU cart on sepsis management in a community hospital emergency department. *J. Telemed. Telecare* [epub ahead of print] Jan. 2017 [PubMed](#) [OH](#)

- Marcin JP. Pediatric critical care physicians provide remote consultations to emergency departments in underserved rural areas, leading to better diagnosis and treatment. *Health Care Delivery Innovation Profile*, AHRQ Health Care Innovations Exchange, 2013 [htm CA](#)
- Martin AB, Probst JC, Shah K, Chen Z, Garr D. Differences in readiness between rural hospitals and primary care providers for telemedicine adoption and implementation: findings from a statewide telemedicine survey. *J. Rural Health* 28(1):8-15, 2012 [PubMed SC](#)
- Martos A, Kelly E, Graygo J, et al. Usability of telepresence in a level 1 trauma center. *Telemed. eHealth* 19(4):248-251, 2013 [PubMed FL](#)
- McBeth P, Crawford I, Tiruta C, et al. Help is in your pocket: the potential accuracy of smartphone- and laptop-based remotely guided resuscitative teleosonography. *Telemed. eHealth* 19(12):924-930, 2013 [htm](#)
- Melbye S, Hotvedt M, Bolle SR. Mobile videoconferencing for enhanced emergency medical communication - a shot in the dark or a walk in the park? — A simulation study. *Scand. J. Trauma Resusc. Emerg. Med.* 22:35, 2014 [htm](#)
- Miller AC, Ward MM, Ullrich F, et al. Emergency department telemedicine consults are associated with faster time-to-electrocardiogram and time-to-fibrinolysis for myocardial infarction patients. *Telemed. eHealth* [epub ahead of print], February 2020 [PubMed IA](#)
- Mohr NM, Campbell KD, Swanson MB, et al. Provider-to-provider telemedicine improves adherence to sepsis bundle care in community emergency departments. *J. Telemed. Telecare* [epub ahead of print], January 2020 [PubMed ND](#)
- Mohr NM, Harland KK, Chrischilles E. Telemedicine penetration and consultation among rural trauma patients in critical access hospital emergency departments in North Dakota. Research & Policy Brief, Rural Telehealth Research Center, Sept. 2016 [pdf ND](#)
- Mohr NM, Harland KK, Chrischilles EA, Bell A, Shane DM, Ward MM. Emergency department telemedicine is used for more severely injured rural trauma patients, but does not decrease transfer: A cohort study. *Acad. Emerg. Med.* 24(2): 177-185, 2017 [PubMed ND](#)
- Mohr NM, Skow B, Wittrock A, et al. Improving access to high quality sepsis care in a South Dakota emergency telemedicine network. Policy Brief, Rural Telehealth Research Center, 2017 [htm SD](#)
- Mohr NM, Vakkalanka JP, Harland KK, et al. Telemedicine use decreases rural emergency department length of stay for transferred North Dakota trauma patients. *Telemed, e-Health* [epub ahead of print], July 2017 [PubMed ND](#)
- Mohr NM, Wu C, Ward MJ, et al. Potentially avoidable inter-facilit transfer from Veterans Health Administration emergency departments: A cohort study. *BMC Health Serv. Res.* 20(1):110, 2020 [htm OR](#)
- Mohr NM, Young T, Harland KK, Skow B, Wittrock A, Bell A, Ward MM. Emergency department telemedicine shortens rural time-to-provider and emergency department transfer times. *Telemed. eHealth* [epub ahead of print] January 2018 [PubMed ND](#)
- Mollen CJ, Henien M, Jacobs LM, Myers S. Parent perceptions on transfers to pediatric emergency departments and the role of telemedicine. *Pediatr. Emerg. Care* 35(3):180-184, 2019 [PubMed PA](#)
- Moore B, Sapien R; Committee on Pediatric Emergency Medicine. The role of the pediatrician in rural emergency medical services for children. *Pediatrics* 130(5):978-982, 2012 [htm](#)
- Moreno L, Peck JL. Nurse practitioner-led telehealth to improve outpatient pediatric tracheostomy management in south Texas. *J. Pediatr. Health Care* [epub ahead of print], February 2020 [PubMed TX](#)
- Mouzon JL, Lloyd-McLennan A, Marcin JP. Emergency medicine physicians' perceptions of pediatric tele-emergency services. *Telemed. eHealth* [epub ahead of print], October 2019 [PubMed CA](#)
- Mueller KJ, Potter AJ, MacKinney AC, Ward MM. Lessons from tele-emergency: improving care quality and health outcomes by expanding support for rural care systems. *Health Affairs* 33(2):228-234, 2014 [pdf IA](#)
- Natafagi N, Mohr NM, Wittrock A, Bell A, Ward MM. The association between telemedicine and emergency department (ED) disposition: a stepped wedge design of an ed-based telemedicine program in critical access hospitals. *J. Rural Health* [epub ahead of print], April 2019 [PubMed IA](#)
- Natafagi N, Shane D, Ullrich F, MacKinney AC, Bell A, Ward M. Using tele-emergency to avoid patient transfers in rural emergency departments: An assessment of costs and benefits. *J. Telemed. Telecare* 24(3):1357633X1769658, 2017 [htm IA](#)
- Nelson BP, Melnick ER, Li J. Portable ultrasound for remote environments, Part I: Feasibility of field deployment. *J. Emerg. Med.* 40(2):190-197, 2011 [PubMed NY](#)
- Nguyen YL, Kahn JM, Angus DC. Reorganizing adult critical care delivery: the role of regionalization, telemedicine, and community outreach. *Amer. J. Respir. Crit. Care Med.* 181(11):1164-1169, 2011 [htm PA](#)
- Nord G, Rising KL, Band RA, Carr BG, Hollander JE. On-demand synchronous audio video telemedicine visits are cost effective. *Amer. J. Emerg. Med.* 37(5):890-894, 2019 [PubMed PA](#)
- Oest SER, Swanson MB, Ahmed A, Mohr NM. Perceptions and perceived utility of rural emergency department telemedicine services: a needs assessment. *Telemed. eHealth* [epub ahead of print], October 2019 [PubMed IA](#)

- Ogedegbe C, Morchel H, Hazelwood V, Chaplin WF, Feldman J. Development and evaluation of a novel, real time mobile tele-sonography system in management of patients with abdominal trauma: study protocol. *BMC Emerg Med.* 12:19, 2012 [htm NJ](#)
- Pandit T, Ray RA, Sabesan S. Managing emergencies in rural North Queensland: the feasibility of teletraining. *Int J Telemed Appl.* 2018:8421346, 2018 [htm](#)
- Pannu J, Sanghavi D, Sheley T, et al. Impact of telemedicine monitoring of community ICUs on interhospital transfers. *Crit. Care Med.* 45(8):1344-1351, 2017 [htm MN](#)
- Papanagnou D, Stone D, Chandra S, et al. Integrating telehealth emergency department follow-up visits into residency training. *Cureus* 10(4):e2433, 2018 [htm PA](#)
- Pappas PA, Tirelli L, Shaffer J, Gettings S. Projecting critical care beyond the ICU: An analysis of tele-ICU support for rapid response teams. *Telemed. e-Health* 22(6): 529-533, 2016 [PubMed FL](#)
- Parvizi D, Giretzlehner M, Dirnberger J, et al. The use of telemedicine in burn care: Development of a mobile system for TBSA documentation and remote assessment. *Ann. Burns Fire Disasters.* 27(2):94-100, 2014 [htm](#)
- Paulus YM, Thompson NP. Inexpensive, realtime tele-ultrasound using a commercial, web-based video streaming device. *J. Telemed. Telecare* 18(4):185-188, 2012 [PubMed CA](#)
- Penninga L, Lorentzen AK, Davis C. A telemedicine case series for acute medical emergencies in Greenland: a model for austere environments. *Telemed. eHealth* [epub ahead of print], December 2019 [PubMed](#)
- Pérez Alonso N, Pardo Rios M, Juguera Rodriguez L, et al. Randomised clinical simulation designed to evaluate the effect of telemedicine using Google Glass on cardiopulmonary resuscitation (CPR). *Emerg. Med. J.* [epub ahead of print] August, 2017 [PubMed](#)
- Pian L, Gillman LM, McBeth PB, et al. Potential use of remote tele-sonography as a transformational technology in under-resourced and/or remote settings. *Emerg. Med. Int.* 2013:986160, 2013 [htm](#)
- Poland S, Frey JA, Khobrani A, et al. Telepresent focused assessment with sonography for trauma examination training versus traditional training for medical students: a simulation-based pilot study. *J. Ultrasound Med.* 37(8):1985-1992, 2018 [PubMed OH](#)
- Potter AJ, Mueller KJ, Mackinney AC, Ward MM. Effect of tele-emergency services on recruitment and retention of US rural physicians. *Rural Remote Health* 14(3):2787, 2014 [htm IA](#)
- Powell RE, Stone D, Hollander JE. Patient and health system experience with implementation of an enterprise-wide telehealth scheduled video visit program: mixed-methods study. *JMIR Med. Inform.* 6(1):e10, 2018 [htm PA](#)
- Raaber N, Bøtker MT, Riddervold IS, et al. Telemedicine-based physician consultation results in more patients treated and released by ambulance personnel. *Eur. J. Emerg. Med.* [epub ahead of print], October 2016 [PubMed](#)
- Rademacher NJ, Cole G, Psoter KJ, et al. Use of telemedicine to screen patients in the emergency department: matched cohort study evaluating efficiency and patient safety of telemedicine. *JMIR Med. Inform.* 7(2):e11233, 2019 [htm MD](#)
- Ramsingh D, Ma M, Le DQ, et al. Feasibility evaluation of commercially available video conferencing devices to technically direct untrained nonmedical personnel to perform a rapid trauma ultrasound examination. *Diagnostics* 9(4): E188, 2019 [htm](#)
- Rasmussen MB, Frost L, Stengaard C, et al. Diagnostic performance and system delay using telemedicine for prehospital diagnosis in triaging and treatment of STEMI. *Heart* 100(9):711-715, 2014 [PubMed](#)
- Ray KN, Felmet KA, Hamilton MF, et al. Clinician attitudes toward adoption of pediatric emergency telemedicine in rural hospitals. *Pediatr. Emerg. Care* 33(4):250-257, 2017 [PubMed PA](#)
- Ray M, Dayan PS, Pahalyants V, Chernick LS. Mobile health technology to communicate discharge and follow-up information to adolescents from the emergency department. *Pediatr. Emerg. Care* 32(12):900-905, 2016 [PubMed NY](#)
- Ricci MA, Caputo M, Amour J, et al. Telemedicine reduces discrepancies in rural trauma care. *Telemed. eHealth* 9(1):3-11, 2003 [PubMed VT](#)
- Rogove HJ, McArthur D, Demaerschalk BM, Vespa PM. Barriers to telemedicine: survey of current users in acute care units. *Telemed. eHealth* 18(1):48-53, 2012 [PubMed CA](#)
- Rörtgen D, Bergrath S, Rossaint R, et al. Comparison of physician staffed emergency teams with paramedic teams assisted by telemedicine--a randomized, controlled simulation study. *Resuscitation* 84(1):85-92, 2013 [PubMed](#)
- Shah MU, Lotterman S, Roberts D, Eisen M. Smartphone telemedical emergency department consults for screening of nonacute dizziness. *Laryngoscope* 129(2):466-469, 2019 [PubMed CT](#)
- Sharpe K, Elcock M, Aitken P, Furyk J. The use of telehealth to assist remote hospital resuscitation and aeromedical retrieval tasking: a 12-month case review. *J. Telemed. Telecare* 18(5):260-266, 2012 [PubMed](#)
- Sheehan FH, Ricci MA, Murtagh C, Clark H, Bolson EL. Expert visual guidance of ultrasound for telemedicine. *J. Telemed. Telecare* 16(2):77-82, 2010 [PubMed WA](#)
- Sibert K, Ricci MA, Caputo M, et al. The feasibility of using ultrasound and video laryngoscopy in a mobile telemedicine consult. *Telemed. eHealth* 14(3):266-272, 2008 [PubMed VT](#)

- Siew L, Hsiao A, McCarthy P, Agarwal A, Lee E, Chen L. Reliability of telemedicine in the assessment of seriously ill children. *Pediatrics* 137(3):e20150712, 2016 [htm PA](#)
- Sikka N, Gross H, Joshi AU, et al. Defining emergency telehealth. *J. Telemed. Telecare* [epub ahead of print], December 2019 [PubMed PA](#)
- Smith A, Addison R, Rogers P, et al. Remote mentoring of point-of-care ultrasound skills to inexperienced operators using multiple telemedicine platforms: is a cell phone good enough? *J. Ultrasound Med.* 37(11):2517-2525, 2018 [PubMed](#)
- Sterling SA, Seals SR, Jones AE, et al. The impact of the TelEmergency program on rural emergency care: An implementation study. *J. Telemed. Telecare* 23(6):588-594, 2017 [PubMed MS](#)
- Stroupe KT, Martinez R, Hogan TP, et al. Health care utilization and costs of veterans evaluated for traumatic brain injury through telehealth. *Telemed. e-Health* [epub ahead of print], March 2019 [PubMed IL](#)
- Su MJ, Ma HM, Ko CI, et al. Application of tele-ultrasound in emergency medical services. *Telemed. eHealth* 14(8):816-824, 2008 [PubMed](#)
- Swanson MB, Miller AC, Ward MM, et al. Emergency department telemedicine consults decrease time to interpret computed tomography of the head in a multi-network cohort. *J. Telemed. Telecare* [epub ahead of print], November 2019 [PubMed IA](#)
- Tabbara M, Hodel T., Müller U, et al. Do we need new personalized emergency telehealth solutions? A survey of 100 emergency department patients and a first report of the Swiss Limmex emergency wristwatch. *Int. J. Telemed. Appl.* 2012: 736264, 2012 [htm](#)
- Takahashi PY, Chandra A, North F, Pecina JL, Upatising B, Hanson GJ. Telemedicine: an enhanced emergency care program for older adults. *Smart Homecare Tech. TeleHealth* 2: 55-62, 2014 [htm MN](#)
- Tolia V, Castillo E, Guss D. EDTIRATE (Emergency Department Telemedicine Initiative to Rapidly Accommodate in Times of Emergency). *J. Telemed. Telecare* [epub ahead of print] June 2016 [PubMed](#)
- Tolins ML, Hippe DS, Morse SC, et al. Wound care follow-up from the emergency department using a mobile application: a pilot study. *J. Emerg. Med.* 57(5):629-636, 2019 [PubMed CA](#)
- Uscher-Pines L, Kahn JM. Barriers and facilitators to pediatric emergency telemedicine in the United States. *Telemed. eHealth* 20(11):990-996, 2014 [htm VA](#)
- Van Dillen C, Silvestri S, Haney M, et al. Evaluation of an off-the-shelf mobile telemedicine model in emergency department wound assessment and management. *J. Telemed. Telecare* 19(2):84-88, 2013 [PubMed FL](#)
- Van Oeveren L, Donner J, Fantegrossi A, Mohr NM, Brown CA 3rd. Telemedicine-assisted intubation in rural emergency departments: a national emergency airway registry study. *Telemed. e-Health* 23(4):290-297, 2017 [PubMed SD](#)
- van Veen T, Binz S, Muminovic M, et al. Potential of mobile health technology to reduce health disparities in underserved communities. *West. J. Emerg. Med.* 20(5):799-802, 2019 [htm MI](#)
- Vasquez I. Telemedicine's impact on urgent care: what you need to know. *J. Urgent Care Med.* Apr. 2012 [htm](#)
- Wallis L, Hasselberg M, Barkman C, et al. A roadmap for the implementation of mHealth innovations for image-based diagnostic support in clinical and public-health settings: a focus on front-line health workers and health-system organizations. *Global Health Action* 10(sup3):1340254, 2017 [htm](#)
- Wallis LA, Fleming J, Hasselberg M, Laflamme L, Lundin J. A smartphone app and cloud-based consultation system for burn injury emergency care. *PLoS One* 11(2):e0147253, 2016 [htm](#)
- Walsh WA, Meunier-Sham J, Re C. Using telehealth for sexual assault forensic examinations: a process evaluation of a national pilot project. *J. Forensic Nurs.* 15(3):152-162, 2019 [PubMed NH, MA](#)
- Ward MM, Merchant KAS, Carter KD, et al. Use of telemedicine for ED physician coverage in critical access hospitals increased after CMS policy clarification. *Health Affairs* 37(12): 37(12):2037-2044, 2018 [PubMed IA](#)
- Ward MM, Ullrich F, MacKinney AC, et al. Tele-emergency utilization: In what clinical situations is tele-emergency activated? *J. Telemed. Telecare* 22(1):25-31, 2016 [pdf IA](#)
- Webb CL, Waugh CL, Grigsby Jet al. Impact of telemedicine on hospital transport, length of stay, and medical outcomes in infants with suspected heart disease: a multicenter study. *J. Amer. Soc. Echocardiogr.* 26(9):1090-1098, 2013 [htm IL](#)
- Wedekind L, Sainani K, Pershing S. Supply and perceived demand for teleophthalmology in triage and consultations in California emergency departments. *JAMA Ophthalmol.* 134(5):537-543, 2016 [htm CA](#)
- Weichelt B, Heimonen T, Pilz M, Yoder A, Bendixsen C. An argument against cross-platform development: lessons from an augmented reality app prototype for rural emergency responders. *JMIR mHealth uHealth* 7(3):e12207, 2019 [htm WI](#)
- Westbrook J, Coiera EW, Brear M, Stapleton S, Rob MI, Murphy M, Cregan P. Impact of an ultrabroadband emergency department telemedicine system on the care of acutely ill patients and clinicians' work. *Med. J. Aust.* 188(12):704-708, 2008. [htm](#)
- Whetten J, van der Goes DN, Tran H, Moffett M, Semper C, Yonas H. Cost-effectiveness of Access to Critical Cerebral Emergency Support Services (ACCESS): a neuro-emergent telemedicine consultation program. *J. Med. Econ.* [epub ahead of print] January, 2018 [PubMed NM](#)

- Wood E, Berlingieri P, Whitwell K, Rayne T, Dearden J, Epstein O. The accident and emergency department virtual consulting room. *Telemed. eHealth* 12(5):521-527, 2006 [PubMed](#).
- Xiong W, Bair A, Sandrock C, Wang S, Siddiqui J, Hupert N. Implementing telemedicine in medical emergency response: concept of operation for a regional telemedicine hub. *J. Med. Syst.* 36(3):1651-1660, 2012 [htm CA](#)
- Yang NH, Dharmar M, Kuppermann N, et al. Appropriateness of disposition following telemedicine consultations in rural emergency departments. *Pediatr. Crit. Care Med.* 16(3):e59-64, 2015 [PubMed CA](#)
- Yang NH, Dharmar M, Yoo BK, et al. Economic evaluation of pediatric telemedicine consultations to rural emergency departments. *Med. Decision Making* 35: 773-783, 2015 [htm](#)
- Zachrisson KS, Hayden EM, Schwamm LH, et al. Characterizing New England emergency departments by telemedicine use. *West. J. Emerg. Med.* 18(6):1055-1060, 2017 [htm MA](#)
- Zangbar B, Pandit V, Rhee P, et al. Smartphone surgery: how technology can transform practice. *Telemed. e-Health* 20(6): 590-592, 2014 [PubMed](#)
- Zapka J, Simpson K, Hiott L, Langston L, Fakhry S, Ford D. A mixed methods descriptive investigation of readiness to change in rural hospitals participating in a tele-critical care intervention. *BMC Health Serv Res.* 13:33, 2013 [htm SC](#)
- Zennaro F, Neri E, Nappi F, et al. Real-time tele-mentored low cost "point-of-care us" in the hands of paediatricians in the emergency department: diagnostic accuracy compared to expert radiologists. *PLoS One* 11(10):e0164539, 2016 [htm](#)

[RETURN TO TOPICS](#)

Pre-hospital Triage, Diversion, or Prevention Strategies

--Reviews and best practices

- [COVID era set](#)
- Baker M, Curtis K, Joshi A, Shaheen E, Skow B. Quick Guide to a Basic Tele-Triage Program. American College of Emergency Physicians COVID-19 Field Guide, April 2020 [htm](#)
- Centers for Disease Control and Prevention. Phone advice line tools: Guidelines for children (2-17 years) or adults (≥18 years) with possible COVID-19. CDC, March 30, 2020 [pdf](#)
- Centers for Medicare & Medicaid Services. Long-Term Care Nursing Homes Telehealth and Telemedicine Tool Kit. CMS, March 27, 2020 [pdf](#)
- Chauhan V, Galwankar S, Arquilla B, et al. Novel Coronavirus (COVID-19): Leveraging telemedicine to optimize care while minimizing exposures and viral transmission. *J. Emerg. Trauma Shock* 13(1):20-24, 2020 [htm FL, PA, NY](#)
- Chou E, Hsieh YL, Wolfshohl J, Green F, Bhakta T. Onsite telemedicine strategy for coronavirus (COVID-19) screening to limit exposure in ED. *Emerg Med J.* [epub ahead of print], May 2020 [htm TX](#)
- Elkbuli A, Ehrlich H, McKenney M. The effective use of telemedicine to save lives and maintain structure in a healthcare system: Current response to COVID-1. *Amer. J. Emerg. Med.* [epub ahead of print], April 2020 [pdf FL](#)
- Grange ES, Neil EJ, Stoffel M, et al. Responding to COVID-19: The UW Medicine Information Technology Services experience. *Appl. Clin. Inform.* 11(2):265-275, 2020 [htm WA](#)
- Hollander JE, Carr BG. Virtually perfect? Telemedicine for COVID-19. *New Engl. J. Med.* [epub ahead of print], March, 2020 [pdf PA](#)
- Illinois Department of Public Health. COVID-19 EMS telehealth or telephone guidelines for non-transport of non-urgent patients. IDPH, March 26, 2020 [htm IL](#)
- Johnson S, Levi R. Part 1: Urgent problems to be solved with state telehealth platform. Part 2: Using telehealth to prevent hospital system crash and maximize effective resource. COVID-19 Policy Alliance, March 2020 [pdf](#)
- Kemp MT, Williams AM, Alam HB. eClinic: increasing use of telehealth as a risk reduction strategy during the COVID-19 pandemic. *Trauma Surg. Acute Care Open* 5(1):e000481, 2020 [htm MI](#)
- Kwong M, Ford DW, King K, Summers RL, Cespedes J, Skow BS. Telehealth and COVID-19--webinar recording. HRSA Telehealth Learning Series, April 20, 2020 [htm \(requires a free registration\) SD, IA, MS](#)
- Mann DM, Chen J, Chunara R, Testa PA, Nov O. COVID-19 transforms health care through telemedicine: evidence from the field. *J. Amer. Med. Inform. Assoc.* [epub ahead of print], April 2020 [htm NY](#)
- Reeves JJ, Hollandsworth HM, Torriani FJ, et al. Rapid response to COVID-19: health informatics support for outbreak management in an academic health system. *J. Amer. Med. Inform. Assoc.* [epub ahead of print], March 2020 [htm CA](#)
- Shaheen E, Baker M, Curtis K, et al. Telehealth and tele-triage. American College of Emergency Physicians COVID-19 Field Guide, April 2020 [htm](#)

- Simon LE, Shan J, Rauchwerger AS, et al. Paramedics' perspectives on telemedicine in the ambulance: a survey study. *EMS Today*, April 30, 2020 [htm](#) **CA**
- Society for Critical Care Medicine. Tip sheet: Application of telemedicine Shaheen E, Baker M, Curtis K, et al. Telehealth and tele-triage. American College of Emergency Physicians COVID-19 Field Guide, April 2020 [htm](#)
- Soldati G, Smargiassi A, Inchingolo R, et al. Is there a role for lung ultrasound during the COVID-19 pandemic? *J. Ultrasound Med.* [epub ahead of print], March 2020 [htm](#)
- Soldati G, Smargiassi A, Inchingolo R, et al. Proposal for international standardization of the use of lung ultrasound for patients with COVID-19: a simple, quantitative, reproducible method. *J. Ultrasound Med.* [epub ahead of print], March 2020 [htm](#)
- Sound Physicians, Inc. A blueprint for telehealth success for skilled nursing facilities. *mHealth Intelligence*, April 13, 2020 [htm](#)
- Turer RW, Jones I, Rosenbloom ST, Slovis C, Ward MJ. Electronic personal protective equipment: a strategy to protect emergency department providers in the age of COVID-19. *J. Amer. Med. Inform. Assoc.* [epub ahead of print], April, 2020 [htm](#) **TN**
- Wasko J. How EMS can launch telehealth & transport alternatives during the COVID pandemic—webinar recording. *EMS World*, March 25, 2020 [htm](#) **NY**
- Wicklund E. CMS gives doctors more telehealth flexibility, postpones ET3 launch. *mHealth Intelligence*, April 13, 2020 [htm](#)
- Wicklund E. CMS launches new Medicare payment model for 911 triage by telehealth. *mHealth Intelligence*, February 28, 2020 [htm](#)
- Wittbold KA, Baugh JJ, Yun BJ, Raja AS, White BA. iPad deployment for virtual evaluation in the emergency department during the COVID-19 pandemic. *Amer. J. Emerg. Med.* [epub ahead of print], April 2020 [htm](#) **MA**
- Pre- COVID set
- Amadi-Obi A, Gilligan P, Owens N, O'Donnell C. Telemedicine in pre-hospital care: a review of telemedicine applications in prehospital environment. *Int. J. Emerg. Med.* 7:29, 2014 [pdf](#)
- Boggan JC, Shoup JP, Whited JD, et al. Effectiveness of acute care remote triage systems: a systematic review. *J. Gen. Intern. Med.* [epub ahead of print], January 2020 [PubMed](#)
- Brunetti ND, De Gennaro L, Correale M, et al. Pre-hospital electrocardiogram triage with telemedicine near halves time to treatment in STEMI: A meta-analysis and meta-regression analysis of non-randomized studies. *Int. J. Cardiol.* 232:5-11, 2017 [PubMed](#)
- Canadian Agency for Drugs and Technologies in Health. Telemedicine for the treatment of urgent conditions: a review of clinical effectiveness, cost-effectiveness, and guidelines. *CADTH Rapid Response Reports*, Oct. 2015 [htm](#)
- Canadian Agency for Drugs and Technologies in Health. Emergency telehealth for urgent conditions in long-term care facilities: clinical effectiveness, cost-effectiveness, and guidelines. *CADTH Rapid Response Reports*, May 2015 [htm](#)
- Centers for Medicare and Medicaid Services. Emergency Triage, Treat, and Transport (ET3) Model. CMS Fact Sheet, February 2019 [htm](#)
- Chambers D, Cantrell A, Johnson M, et al. Digital and online symptom checkers and assessment services for urgent care to inform a new digital platform: a systematic review. *NIHR Journals Library*, August 2019 [htm](#)
- Culmer N, Smith T, Stager C, Meyer H, Quick S, Grimm K. Evaluation of the triple aim of medicine in prehospital telemedicine: A systematic literature review. *J. Telemed. Telecare* [epub ahead of print], June 2019 [Abstract](#)
- Eder PA, Reime B, Wurmb T, et al. Prehospital telemedical emergency management of severely injured trauma patients: A systematic review. *Methods Inf. Med.* 57(05/06): e1, 2018 [htm](#)
- Gonzalez E, Peña R, Avila A, Vargas-Rosales C, Munoz-Rodriguez D. A systematic review on recent advances in mHealth systems: deployment architecture for emergency response. *J. Healthcare Eng.* 2017:9186270, 2017 [htm](#)
- Gough F, Budhrani S, Cohn E, et al. ATA practice guidelines for live, on demand primary and urgent care. *Telemed. eHealth* 21(3):233-241, 2015 [htm](#)
- Hasselberg M, Beer N, Blom L, Wallis LA, Laflamme L. Image-based medical expert teleconsultation in acute care of injuries. A systematic review of effects on information accuracy, diagnostic validity, clinical outcome, and user satisfaction. *PLoS One* 9(6):e98539, 2014 [htm](#)
- Interstate Commission for EMS Personnel Practice. Recognition of Emergency Medical Services Personnel Licensure Interstate Compact ("REPLICA"). *The EMS Compact*, 2019 [htm](#)
- Ketelaars R, Reijnders G, van Geffen GJ, Scheffer GJ, Hoogerwerf N. ABCDE of prehospital ultrasonography: a narrative review. *Crit. Ultrasound J.* 10(1):17, 2018 [htm](#)
- Kimmel HJ, Brice YN, Trikalinos TA, Sarkar IN, Ranney ML. Real-time emergency department electronic notifications regarding high-risk patients: a systematic review. *Telemed. eHealth* [epub ahead of print], August 2018 [PubMed](#)

- Loria K. Remote access: how ultrasound in telemedicine is changing education, training, and patient care. *Radiology Today* 19(8):24, 2018 [htm](#)
- Lumley HA, Flynn D, Shaw L, et al. A scoping review of pre-hospital technology to assist ambulance personnel with patient diagnosis or stratification during the emergency assessment of suspected stroke. *BMC Emerg Med.* 20(1):30, 2020 [htm](#)
- Montandon DS, de Souza-Junior VD, Dos Santos Almeida RG, et al. How to perform prehospital emergency telephone triage: a systematic review. *J. Trauma Nurs.* 26(2):104-110, 2019 [PubMed](#)
- Nadar M, Jouvet P, Tucci M, Toledano B, Sicotte C. Impact of synchronous telemedicine models on clinical outcomes in pediatric acute care settings: a systematic review. *Pediatr. Crit. Care Med.* [epub ahead of print], October 2018 [PubMed](#)
- National Public Safety Telecommunications Council. EMS telemedicine report: Prehospital use of video technologies--final report. NPSTC, February 24, 2016 [htm](#)
- Rogers H, Madathil KC, Agnisarman S, et al. A systematic review of the implementation challenges of telemedicine systems in ambulances. *Telemed. e-Health* 23(9):707-717, 2017 [PubMed](#)
- Rushton S, Boggan JC, Lewinski AA, et al. Effectiveness of remote triage: a systematic review. Department of Veterans Affairs, July 2019 [htm](#)
- Schwindling L, Ragooschke-Schumm A, Kettner M, et al. Prehospital imaging-based triage of head trauma with a mobile stroke unit: first evidence and literature review. *J. Neuroimaging.* 26(5):489-493, 2016 [PubMed](#)
- Smith K. Telemedicine's impact on urgent care: what you need to know. *J. Urgent Care Med.* 6(7): 15-20, 2012 [htm](#)
- Traub SJ, Butler R, Chang YH, Lipinski C. Emergency department physician telemedical triage. *Telemed. eHealth* 19(11):841-845, 2013 [PubMed](#)
- Uscher-Pines L, Pines J, Kellermann A, Gillen E, Mehrotra A. Deciding to visit the emergency department for non-urgent conditions: a systematic review of the literature. *Amer. J. Managed Care* 19(1): 47-59, 2013 [htm](#)
- Vicente V, Johansson A, Ivarsson B, Todorova L, Möller S. The experience of using video support in ambulance care: an interview study with physicians in the role of regional medical support. *Healthcare* 8(2): E106, 2020 [htm](#)
- Winburn AS, Brixey JJ, Langabeer J 2nd, Champagne-Langabeer T. A systematic review of prehospital telehealth utilization. *J. Telemed. Telecare* 24(7):473-481, 2018 [PubMed](#)

[RETURN TO TOPICS](#)

--Demonstrations and research studies

- Abrashkin KA, Washko J, Zhang J, Poku A, Kim H, Smith KL. Providing acute care at home: community paramedics enhance an advanced illness management program-preliminary data. *J. Amer. Geriatr. Soc.* [epub ahead of print], August 2016 [PubMed](#) [NY](#)
- Afolabi BA, Novaro GM, Pinski SL, Fromkin KR, Bush HS. Use of the prehospital ECG improves door-to-balloon times in ST segment elevation myocardial infarction irrespective of time of day or day of week. *Emerg. Med. J.* 24(8):588-591, 2007 [htm](#) [FL](#)
- Ahmed FZ, Taylor JK, Green C, et al. Triage-HF Plus: a novel device-based remote monitoring pathway to identify worsening heart failure. *ESC Heart Fail.* [epub ahead of print], December 2019 [htm](#)
- Alqusairi D. On-the-scene video consultations with emergency physicians reduce unnecessary ambulance transports and emergency department visits, connect people to medical homes. *AHRQ Health Care Innovations Exchange, Service Delivery Innovation Profile*, November, 2015 [htm](#) [TX](#)
- Aungst LA. Can telemedicine improve triage and patient satisfaction in urgent care settings? *J. Amer. Assoc. Nurse Pract.* 31(3):162-166, 2018 [PubMed](#) [PA](#)
- Belt GH, Felberg RA, Rubin J, Halperin JJ. In-transit telemedicine speeds ischemic stroke treatment: preliminary results. *Stroke* 47(9):2413-2415, 2016 [htm](#) [NJ](#)
- Bergth S, Czaplak M, Rossaint R, et al. Implementation phase of a multicentre prehospital telemedicine system to support paramedics: feasibility and possible limitations. *Scand. J. Trauma Resusc. Emerg. Med.* 21:54, 2013 [htm](#)
- Bergth S, Rossaint R, Lenssen N, Fitzner C, Skorning M. Prehospital digital photography and automated image transmission in an emergency medical service - an ancillary retrospective analysis of a prospective controlled trial. *Scand J. Trauma Resusc. Emerg. Med.* 21:3, 2013 [htm](#)
- Bian J, Cristaldi KK, Summer AP, et al. Association of a school-based, asthma-focused telehealth program with emergency department visits among children enrolled in South Carolina Medicaid. *JAMA Pediatr.* [epub ahead of print], September 2019 [PubMed](#) [SC](#)
- Bolle SR, Hasvold P, Henriksen E. Video calls from lay bystanders to dispatch centers - risk assessment of information security. *BMC Health Serv. Res.* 11:244, 2011 [htm](#)

- Boniface KS, Shokoohi H, Smith ER, Scantlebury K. Tele-ultrasound and paramedics: real-time remote physician guidance of the Focused Assessment with Sonography for Trauma examination. *Amer. J. Emerg. Med.* 29(5):477-481, 2011 [PubMed](#) [DC](#)
- Brokmann JC, Conrad C, Rossaint R, et al. Treatment of acute coronary syndrome by telemedically supported paramedics compared with physician-based treatment: a prospective, interventional, multicenter trial. *J. Med. Internet Res.* 18(12):e314, 2016 [htm](#)
- Brunetti ND, Tarantino N, Dellegrottaglie G, et al. Impact of telemedicine support by remote pre-hospital electrocardiogram on emergency medical service management of subjects with suspected acute cardiovascular disease. *Int. J. Cardiol.* 199:215-220, 2015 [PubMed](#)
- Celio MA, Mastroleo NR, DiGuseppi G, et al. Using video conferencing to deliver a brief motivational intervention for alcohol and sex risk to emergency department patients: a proof-of-concept pilot study. *Addict. Res. Theory* 25(4):318-325, 2017 [htm](#)
- Chapman Smith SN, Govindarajan P, Padrick MM, et al. A low-cost, tablet-based option for prehospital neurologic assessment: The iTREAT Study. *Neurology* 87(1):19-26, 2016 [htm](#) [VA](#)
- Charash WE, Caputo MP, Clark H, et al. Telemedicine to a moving ambulance improves outcome after trauma in simulated patients. *J. Trauma* 71(1):49-54, 2011 [PubMed](#) [VT](#)
- Chen YH, Hung CS, Huang CC, et al. Atrial fibrillation screening in nonmetropolitan areas using a telehealth surveillance system with an embedded cloud-computing algorithm: prospective pilot study. *JMIR mHealth uHealth* 5(9):e135, 2017 [htm](#)
- Eadie L, Mulhern J, Regan L, et al. Remotely supported prehospital ultrasound: A feasibility study of real-time image transmission and expert guidance to aid diagnosis in remote and rural communities. *J. Telemed. Telecare* [epub ahead of print], Jan. 2017 [PubMed](#)
- Felzen M, Beckers SK, Kork F, et al. Utilization, safety, and technical performance of a telemedicine system for prehospital emergency care: observational study. *J. Med. Internet Res.* 21(10):e14907, 2019 [htm](#)
- Felzen M, Brokmann JC, Beckers SK, et al. Improved technical performance of a multifunctional prehospital telemedicine system between the research phase and the routine use phase - an observational study. *J. Telemed. Telecare* 23(3):402-409, 2017 [PubMed](#)
- Freeman B, Mayne S, Localio AR, et al. Using video from mobile phones to improve pediatric phone triage in an underserved population. *Telemed.e-Health* 23(2):130-136, 2017 [PubMed](#) [PA](#)
- Gidora H, Borycki EM, Kushniruk AW. Effects of telenursing triage and advice on healthcare costs and resource use. *Stud. Health Technol. Inform.* 257:133-139, 2019 [PubMed](#)
- Gillespie SM, Shah MN, Wasserman EB, et al. Reducing emergency department utilization through engagement in telemedicine by senior living communities. *Telemed. eHealth* 22(6):489-496, 2016 [htm](#) [NY](#)
- Gillespie SM, Wasserman EB, Wood NE, et al. High-intensity telemedicine reduces emergency department use by older adults with dementia in senior living communities. *J. Amer. Med. Dir. Assoc.* 20(8):942-946, 2019 [htm](#) [NY](#)
- Gilligan P, Bennett A, Houlihan A, et al. The doctor can see you now: a key stakeholder study into the acceptability of ambulance based telemedicine. *Irish Med. J.* 111(6):769, 2018 [PubMed](#)
- Grabowski DC, O'Malley AJ. Use of telemedicine can reduce hospitalizations of nursing home residents and generate savings for Medicare. *Health Affairs* 33(2):244-250, 2014 [PubMed](#) [MA](#)
- Greenwald P, Stern ME, Clark S, Sharma R. Older adults and technology: in telehealth, they may not be who you think they are. *Int. J. Emerg. Med.* 11(1):2, 2018 [pdf](#) [NY](#)
- Guss B, Mishkin D, Sharma R. Using telemedicine to address crowding in the ED. *ED Manag.* 28(11):127-131, 2016 [PubMed](#) [NY](#)
- Kraft P, Fleischer A, Wiedmann S, et al. Feasibility and diagnostic accuracy of point-of-care handheld echocardiography in acute ischemic stroke patients - a pilot study. *BMC Neurol.* 17(1):159, 2017 [htm](#)
- Krumperman K, Weiss S, Fullerton L. Two types of prehospital systems interventions that triage low-acuity patients to alternative sites of care. *South. Med. J.* 108(7):381-386, 2015 [PubMed](#) [NM](#)
- Langabeer J, Champagne-Langabeer T, Gleisberg GR, et al. Tele-EMS improves productivity and reduces overall costs. *J. Emerg. Med. Serv.*, April 9, 2019 [htm](#) [TX](#)
- Langabeer JR 2nd, Champagne-Langabeer T, Alqusairi D, et al. Cost-benefit analysis of telehealth in pre-hospital care. *J. Telemed. Telecare* 23(8):747-751, 2017 [PubMed](#) [TX](#)
- Langabeer JR 2nd, Gonzalez M, Alqusairi D, et al. Telehealth-enabled emergency medical services program reduces ambulance transport to urban emergency departments. *West. J. Emerg. Med.* 17(6):713-720, 2016 [htm](#) [TX](#)
- Lumley HA, Flynn D, Shaw L, et al. A scoping review of pre-hospital technology to assist ambulance personnel with patient diagnosis or stratification during the emergency assessment of suspected stroke. *BMC Emerg Med.* 20(1):30, 2020 [htm](#)
- Marconi GP, Chang T, Pham PK, Grajower DN, Nager AL. Traditional nurse triage vs physician telepresence in a pediatric ED. *Amer. J. Emerg. Med.* 32(4):325-329, 2014 [htm](#) [CA](#)

Marsh-Feiley G, Eadie L, Wilson P. Paramedic and physician perspectives on the potential use of remotely supported prehospital ultrasound. *Rural Remote Health* 18(3):4574, 2018 [htm](#)

Mathur S, Walter S, Grunwald IQ, et al. Improving prehospital stroke services in rural and underserved settings with mobile stroke units. *Front. Neurol.* 10:159, 2019 [htm](#)

McHugh C, Krinsky R, Sharma R. Innovations in emergency nursing: transforming emergency care through a novel nurse-driven ED telehealth express care service. *J. Emerg. Nurs.* 44(5):472-477, 2018 [PubMed NY](#)

Munjal KG, Shastry S, Loo GT, et al. Patient perspectives on EMS alternate destination models. *Prehosp. Emerg. Care* 20(6):705-711 2016 [PubMed NY](#)

Schoenfeld AJ, Davies JM, Marafino BJ, et al. Variation in quality of urgent health care provided during commercial virtual visits. *JAMA Intern. Med.* 176(5):635-642, 2016 [htm CA](#)

Shah MN, Gillespie SM, Wood N, et al. High-intensity telemedicine-enhanced acute care for older adults: an innovative healthcare delivery model. *J. Amer. Geriatr. Soc.* 61(11):2000-2007, 2013 [pdf NY](#)

Shah MN, McDermott R, Gillespie SM, Philbrick EB, Nelson D. Potential of telemedicine to provide acute medical care for adults in senior living communities. *Acad. Emerg. Med.* 20(2):162-168, 2013 [htm NY](#)

Shah MN, Morris D, Jones CM, et al. A qualitative evaluation of a telemedicine-enhanced emergency care program for older adults. *J. Amer. Geriatr. Soc.* 61(4):571-576, 2013 [pdf NY](#)

Shah MN, Wasserman EB, Gillespie SM, et al. High-intensity telemedicine decreases emergency department use for ambulatory care sensitive conditions by older adult senior living community residents. *J. Amer. Med. Dir. Assoc.* 16(12):1077-1081, 2015 [PubMed NY](#)

Shah MN, Wasserman EB, Wang H, et al. High-intensity telemedicine decreases emergency department use by senior living community residents. *Telemed. eHealth* 22(3):251-258, 2016 [PubMed NY](#)

Sharma R, Fleischut P, Barchi D. Telemedicine and its transformation of emergency care: a case study of one of the largest US integrated healthcare delivery systems. *Int. J. Emerg. Med.* 10(1):21, 2017 [htm NY](#)

Taqi A, Cerejo R, Itrat A, et al. Reduction in time to treatment in prehospital telemedicine evaluation and thrombolysis. *Neurology* 88(14):1305-1312, 2017 [PubMed](#)

Traub SJ, Butler R, Chang YH, Lipinski C. Emergency department physician telemedical triage. *Telemed. eHealth* 19(11):841-845, 2013 [PubMed AZ](#)

Uscher-Pines L, Fischer S, Tong I, et al. Virtual first responders: the role of direct-to-consumer telemedicine in caring for people impacted by natural disasters. *J. Gen. Intern. Med.* 33(8):1242-1244, 2018 [htm VA](#)

Valenzuela Espinoza A, Devos S, van Hooff RJ, et al. Time gain needed for in-ambulance telemedicine: cost-utility model. *JMIR mHealth uHealth* 5(11):e175, 2017 [htm](#)

Valenzuela Espinoza A, Van Hooff RJ, et al. Development and pilot testing of 24/7 in-ambulance telemedicine for acute stroke: prehospital stroke study at the Universitair Ziekenhuis Brussel-Project. *Cerebrovasc. Dis.* 42(1-2):15-22, 2016 [htm](#)

Van Hooff RJ, Cambron M, Van Dyck R, et al. Prehospital unassisted assessment of stroke severity using telemedicine: a feasibility study. *Stroke* 44(10):2907-2909, 2013 [htm](#)

Wallis L, Hasselberg M, Barkman C, et al. A roadmap for the implementation of mHealth innovations for image-based diagnostic support in clinical and public-health settings: a focus on front-line health workers and health-system organizations. *Global Health Action* 10(sup3):1340254, 2017 [htm](#)

Yperzeele L, Van Hooff R-J, De Smedt A, Valenzuela Espinoza A, Van Dyck R, et al. Feasibility of AmbulanCe-based Telemedicine (FACT) study: Safety, feasibility and reliability of third generation in-ambulance telemedicine. *PLoS ONE* 9(10): e110043, 2014 [htm](#)

[RETURN TO TOPICS](#)

Behavioral Health

--Reviews and guidelines

Luxton DD, O'Brien K, Pruitt LD, Johnson K, Kramer G. Suicide risk management during clinical telepractice. *Int. J. Psychiat. Med.* 48(1): 19-31, 2014 [htm](#)

McGinn MM, Roussev MS, Shearer EM, et al. Recommendations for using clinical video telehealth with patients at high risk for suicide. *Psychiatr. Clin. North Amer.* 42(4):587-595, 2019 [PubMed](#)

Myers K, Nelson EL, Hilty D, Rabinowitz T. Practice guidelines for telemental health with children and adolescents. American Telemedicine Association, March 2017 [pdf](#)

Rojas SM, Carter SP, McGinn MM, Reger MA. A review of telemental health as a modality to deliver suicide-specific interventions for rural populations. *Telemed. eHealth* [epub ahead of print], Sept. 2019 [PubMed](#)

Shore J. The evolution and history of telepsychiatry and its impact on psychiatric care: Current implications for psychiatrists and psychiatric organizations. *Int. Rev. Psychiatry* 27(6):469-475, 2015 [pdf](#)

Shore JH, Hilty DM, Yellowlees P. Emergency management guidelines for telepsychiatry. *Gen. Hosp. Psychiatry* 29(3):199-206, 2007 [htm](#)

- Shore JH. Telepsychiatry: videoconferencing in the delivery of psychiatric care. *Amer. J. Psychiatry* 170(3):256-262, 2013 [htm](#)
- Varrell JR, Boyce G, Baker S, Robinson B, Boyce OC. Telepsychiatry for hospital systems—White Paper. In *Sight Telepsychiatry*, Inc, 2015 [htm](#)
- Williams M, Pfeffer M, Boyle J, The Abaris Group, Hilty DM. Telepsychiatry in the emergency department. Overview and case studies. California Healthcare Foundation, 2009 [htm](#)
- Yellowlees P, Burke MM, Marks SL, Hilty DM, Shore JH. Emergency telepsychiatry. *J. Telemed Telecare* 14(6):277-281, 2008 [PubMed](#)

--Demonstrations and research studies

- Celio MA, Mastroleo NR, DiGiuseppi G, et al. Using video conferencing to deliver a brief motivational intervention for alcohol and sex risk to emergency department patients: a proof-of-concept pilot study. *Addict. Res. Theory* 25(4):318-325, 2017 [htm RI](#)
- Gray MJ, Hassija CM, Jaconis M, et al. Provision of evidence-based therapies to rural survivors of domestic violence and sexual assault via telehealth: treatment outcomes and clinical training benefits. *Training Educ. Prof. Psych.* 9(3): 235–241, 2015 [htm CA](#)
- Heravian A, Chang BP. Mental health and telemedicine in the acute care setting: Applications of telepsychiatry in the emergency department. *Amer. J. Emerg. Med.* [epub ahead of print] November, 2017 [PubMed NY](#)
- Narasimhan M, Druss BG, Hockenberry JM, et al. Impact of a telepsychiatry program at emergency departments statewide on the quality, utilization, and costs of mental health services. *Psychiatric Serv.* 66(11):1167-1172, 2015 [htm SC](#)
- Narasimhan M, Druss BG, Hockenberry JM, et al. Quality, utilization, and economic impact of a statewide emergency department telepsychiatry program. *Psychiatr. Serv.* 66(11): 1167–1172, 2015 [htm SC](#)
- Reliford A, Adebajo B. Use of telepsychiatry in pediatric emergency room to decrease length of stay for psychiatric patients, improve resident on-call burden, and reduce factors related to physician burnout. *Telemed. e-Health* 25(9):828-832, 2018 [PubMed NY](#)
- Roberts N, Hu T, Axas N, Repetti L. Child and adolescent emergency and urgent mental health delivery through telepsychiatry: 12-month prospective study. *Telemed. e-Health* 23(10):842-846, 2017 [PubMed](#)
- Saurman E, Kirby SE, Lyle D. No longer 'flying blind': how access has changed emergency mental health care in rural and remote emergency departments, a qualitative study. *BMC Health Serv. Res.* 15:156, 2015 [htm](#)
- Seidel RW, Kilgus MD. Agreement between telepsychiatry assessment and face-to-face assessment for Emergency Department psychiatry patients. *J. Telemed. Telecare.* 20(2):59-62, 2014 [PubMed VA](#)
- Sorvaniemi M, Ojanen E, Santamäki O. Telepsychiatry in emergency consultations: a follow-up study of sixty patients. *Telemed. eHealth* 11(4):439-441, 2005 [PubMed](#)
- Southard EP, Neufeld JD, Laws S. Telemental health evaluations enhance access and efficiency in a Critical Access Hospital emergency department. *Telemed. eHealth* 20(7):664-668, 2014 [pdf IN](#)
- Thomas JF, Novins DK, Hosokawa PW, et al. The use of telepsychiatry to provide cost-efficient care during pediatric mental health emergencies. *Psychiatr. Serv.* 69(2):161-168, 2018 [htm CO](#)
- Tom PA. Emergency telepsychiatry and the acute care continuum: creating value through improved patient accessibility and follow-up. *Telemed. Med. Today* 2(4), 2017 [pdf CA](#)
- Traub SJ, Butler R, Chang YH, Lipinski C. Emergency department physician telemedical triage. *Telemed. eHealth* 19(11):841-845, 2013 [PubMed AZ](#)
- Trondsen MV, Bolle SR, Stensland GØ, Tjora A. VIDEOCARE: Decentralised psychiatric emergency care through videoconferencing. *BMC Health Serv. Res.* 12:470, 2012 [htm](#)
- Trondsen MV, Bolle SR, Stensland GØ, Tjora A. Video-confidence: a qualitative exploration of videoconferencing for psychiatric emergencies. *BMC Health Serv. Res.* 14:544, 2014 [htm](#)
- Vakkalanka JP, Harland KK, Wittrock A, et al. Telemedicine is associated with rapid transfer and fewer involuntary holds among patients presenting with suicidal ideation in rural hospitals: a propensity matched cohort study. *J. Epidemiol. Community Health* 73(11):1033-1039, 2019 [PubMed IA](#)
- Weigel P, Bhagianadh D, Merchant KA, et al. Tele-emergency behavioural health in rural and underserved areas. *J. Telemed. Telecare* [epub ahead of print], November 2019 [PubMed IA](#)

[RETURN TO TOPICS](#)

Telemedicine for Disaster Response

--COVID response

- American Academy of Family Physicians. Using telehealth to care for patients during the COVID-19 pandemic. AAFP website, 2020 [htm](#)

American Medical Association. AMA quick guide to telemedicine in practice. AMA, March 2020 [htm](#)

American Medical Association. Telehealth Implementation Playbook. AMA, April 2020 [pdf](#)

Augenstein J. Opportunities to expand telehealth use amid the coronavirus pandemic. Health Affairs Blog, March 16, 2020 [htm](#) [VA](#)

Brodwin E, Ross C. Surge in patients overwhelms telehealth services amid coronavirus pandemic. STAT, March 17, 2020 [htm](#) [PA](#)

Buckley M. Technology's emerging role in the COVID-19 response. California Health Care Foundation, April 15, 2020 [htm](#) [CA](#)

Calton B, Abedini N, Fratkin M, Telemedicine in the time of coronavirus. *J. Pain Symptom Manage.* [epub ahead of print], March 2020 [pdf](#) [CA](#)

Centers for Disease Control and Prevention. Phone advice line tools: Guidelines for children (2-17 years) or adults (≥18 years) with possible COVID-19. CDC, March 30, 2020 [pdf](#)

e-Consult Workgroup. e-Consult resources in response to COVID-19. BluePath Health.e-Consult Toolkit website, April 2020 [htm](#)

Safety Net Connect, Inc. Connecting primary care providers with rapid access to electronic specialty consultations [eConsult portal free access]. Safety Net Connect website, April 2020 [htm](#)

Gossen A, Mehring B, Gunnell BS, et al. The Isolation Communication Management System (iSOCOMS): A telemedicine platform to care for patients in a biocontainment unit. *Ann. Amer. Thorac. Soc.* [epub ahead of print], May 2020 [htm](#) [VA](#)

Grange ES, Neil EJ, Stoffel M, et al. Responding to COVID-19: The UW Medicine Information Technology Services experience. *Appl. Clin. Inform.* 11(2):265-275, 2020 [htm](#) [WA](#)

Greenhalgh T, Wherton J, Shaw S, Morrison C. Video consultations for Covid-19. *Brit. Med. J.* 368:m998, 2020 [htm](#)

Gutierrez J, Kuperman E, Kaboli PJ. Using telehealth as a tool for rural hospitals in the COVID-19 pandemic response. *J. Rural Health* [epub ahead of print], April 2020 [PubMed](#) [IA](#)

Howe G. Mobilizing Project ECHO to build provider capacity in response to COVID-19. Center for Healthcare Strategies, Inc., March 30, 2020 [htm](#)

Humphreys J, Schoenherr L, Elia G, et al. Rapid implementation of inpatient telepalliative medicine consultations during COVID-19 pandemic. *J. Pain Symptom Manage.* [epub ahead of print], April 2020 [pdf](#) [CA](#)

Johnson S, Levi R. Part 1: Urgent problems to be solved with state telehealth platform. Part 2: Using telehealth to prevent hospital system crash and maximize effective resource. COVID-19 Policy Alliance, March 2020 [pdf](#)

Latifi R, Doarn CR. Perspective on COVID-19: finally, telemedicine at center stage. *Telemed. eHealth* [epub ahead of print], May 2020 [htm](#) [NY](#)

National Consortium of Telehealth Resource Centers. COVID-19 Telehealth Toolkit. NCTRC, March 18, 2020 [pdf](#)

Northeast Telehealth Resource Center. Telehealth resource webliography for COVID-19 pandemic. NETRC, April 2020 [pdf](#)

Ohannessian R, Duong TA, Odone A. Global telemedicine implementation and integration within health systems to fight the COVID-19 pandemic: a call to action. *JMIR Public Health Surveill.* 6(2):e18810, 2020 [htm](#)

Reed V, Hurst T. 3 ways to ramp up telehealth to deal with COVID-19. Advisory Board, March 20, 2020 [htm](#)

Reeves JJ, Hollandsworth HM, Torriani FJ, et al. Rapid response to COVID-19: health informatics support for outbreak management in an academic health system. *J. Amer. Med. Inform. Assoc.* [epub ahead of print], March 2020 [htm](#) [CA](#)

Richardson J, Ingoglia C. Best practices for telehealth during COVID-19 public health emergency. National Council for Behavioral Health, March 23, 2020 [pdf](#)

Rockwell KL, Gilroy AS. Incorporating telemedicine as part of COVID-19 outbreak response systems. *Amer. J. Managed Care* 64(4) [epub before print], 2020 [htm](#) [MI](#)

Rubin GA, Biviano A, Dizon J, et al. Performance of electrophysiology procedures at an academic medical center amidst the 2020 coronavirus (COVID-19) pandemic. *J. Cardiovasc. Electrophysiol.* [epub ahead of print], April 2020 [htm](#) [NY](#)

Smith AC, Thomas E, Snoswell CL, et al. Telehealth for global emergencies: Implications for coronavirus disease 2019 (COVID-19). *J. Telemed. Telecare* [epub ahead of print], March 2020 [htm](#)

Turer RW, Jones I, Rosenbloom ST, Slovis C, Ward MJ. Electronic personal protective equipment: a strategy to protect emergency department providers in the age of COVID-19. *J. Amer. Med. Inform. Assoc.* [epub ahead of print], April, 2020 [htm](#) [TN](#)

Wright JH, Caudill R. Remote treatment delivery in response to the COVID-19 pandemic. *Psychother. Psychosom.* [epub ahead of print], March 2020 [htm](#)

Zhou X, Snoswell CL, Harding LE, et al. The role of telehealth in reducing the mental health burden from COVID-19. *Telemed. e-Health* [epub ahead of print], March 2020 [htm](#)

[RETURN TO TOPICS](#)

--Other disaster responses

- Adhikari S, Blaivas M, Lyon M, Shiver S. Transfer of real-time ultrasound video of FAST examinations from a simulated disaster scene via a mobile phone. *Prehosp. Disaster Med.* 29(3):290-293, 2014 [PubMed](#)
- Ajami S, Lamoochi P. Use of telemedicine in disaster and remote places. *J. Educ. Health Promot.* 3:26, 2014 [htm](#)
- Alverson DC, Edison K, Flournoy L, Korte B, Magruder C, Miller C. Telehealth tools for public health, emergency, or disaster preparedness and response: a summary report. *Telemed. eHealth* 16(1):112-114, 2010 [pdf](#)
- American Psychiatric Association. Telepsychiatry and COVID-19. APA, March 2020 [htm](#)
- American Telemedicine Association. The telemedicine response to homeland safety and security - Developing a national network for rapid and effective response for emergency medical care. ATA White Paper, 2010 [pdf](#)
- Andrews RJ, Quintana LM. Unpredictable, unpreventable and impersonal medicine: global disaster response in the 21st century. *EPMA J.* 6(1):2, 2015 [htm](#)
- Arriaga MA, Nuss D, Scrantz K, Arriaga L, Montgomery E, St John P, Sharbaugh E, Whittle D. Telemedicine-assisted neurotology in post-Katrina Southeast Louisiana. *Otol. Neurotol.* 31(3):524-527, 2010 [PubMed](#)
- Atiyeh B, Dibo SA, Janom HH. Telemedicine and burns: an overview. *Ann. Burns Fire Disasters* 27(2):87-93, 2014 [htm](#)
- Augusterfer EF, Mollica RF, Lavelle J. A review of telemental health in international and post-disaster settings. *Int. Rev. Psychiatry* 27(6):540-546, 2015 [PubMed](#)
- Augusterfer EF: Clinically informed telemental health in post disaster areas. In Myers K, Turvey CL (eds.): *Telemental Health*, Elsevier, pp. 347-366, 2013 [Abstract](#)
- Balch D, Rosenthal D, Taylor C. The 2005 'Last Chance Bravo' bioterrorism exercise. *J. Telemed. Telecare* 13(2):57-61, 2007 [PubMed](#)
- Balch D. Developing a national inventory of telehealth resources for rapid and effective emergency medical Care: a white paper developed by the American Telemedicine Association Emergency Preparedness and Response Special Interest Group. *Telemed. eHealth* 14(6):606-610, 2008 [PubMed](#)
- Callaway DW, Peabody CR, Hoffman A, et al. Disaster mobile health technology: lessons from Haiti. *Prehosp. Disaster Med.* 27(2):148-152, 2012 [PubMed](#)
- Case T, Morrison C, Vuylsteke A. The clinical application of mobile technology to disaster medicine. *Prehosp. Disaster Med.* 27(5):473-480, 2012 [PubMed](#)
- Cicero MX, Walsh B, Solad Y, et al. Do you see what I see? Insights from using Google Glass for disaster telemedicine triage. *Prehosp. Disaster Med.* 30(1):4-8, 2015 [PubMed](#)
- Doarn CR, Barrigan CR, Poropatich RK. Application of health technology in humanitarian response: U.S. Military deployed health technology summit--a summary. *Telemed. eHealth.* 17(6):501-506, 2011 [PubMed](#)
- Doarn CR, Latifi R, Hostiuc F, Arafat R, Zoicas C (eds.). *A Multinational Telemedicine Systems for Disaster Response: Opportunities and Challenges*. NATO Publication, IOS Press. Amsterdam. 2017 [Abstract](#)
- Doarn CR, Latifi R, Poropatich RK, et al. Development and validation of telemedicine for disaster response: The North Atlantic Treaty Organization multinational system. *Telemed. eHealth* [epub ahead of print] January 2018 [PubMed](#)
- Doarn CR, Merrell RC. Spacebridge to Armenia: A look back at its impact on telemedicine in disaster response. *Telemed. eHealth* 17(7):546-552, 2011 [PubMed](#)
- Doarn CR, Merrell RC. Telemedicine and e-health in disaster response. *Telemed. eHealth* 20(7):605-606, 2014 [htm](#)
- Farmer B, Stoerger L, Vyavahare M, Sharma R. A novel use of telemedicine during a hospital mass casualty drill. *J. Telemed. Telecare* 31:1357633X19893879, 2019 [PubMed](#) [NY](#)
- French DM, Hall GA, McGeorge T, et al. Hurricane impact on emergency services and use of telehealth to support prehospital care. *Disaster Med. Public Health Prep.* 23:1-5, 2019 [PubMed](#)
- Gamasu R. Literature review of telemedicine system for emergency health tribulations. *Int. J. Electronics Electr. Eng.* 3(2): 2015 [pdf](#)
- Gadzinski AJ, Ellimoottil C, Odisho AY, Watts KL, and Gore JL, Implementing telemedicine in response to the 2020 COVID-19 pandemic. *J. Urol.* [epub ahead of print], March 2020 [pdf](#)
- Grange ES, Neil EJ, Stoffel M, et al. Responding to COVID-19: The UW Medicine Information Technology Services experience. *Appl. Clin. Inform.* 11(2):265-275, 2020 [htm](#)
- Greenwald PW, Hsu H, Sharma R. Planning for future disasters: telemedicine as a resource. *Ann. Emerg. Med.* 71(3):435-436, 2018 [htm](#) [NY](#)
- Gul S, Ghaffar H, Mirza S, et al. Multitasking a telemedicine training unit in earthquake disaster response: paraplegic rehabilitation assessment. *Telemed. eHealth* 14(3):280-283, 2008 [PubMed](#)
- Hong YR, Lawrence J, Williams D Jr, Mainous III A. Population-level interest and telehealth capacity of US hospitals in response to COVID-19: cross-sectional analysis of Google search and national hospital survey data. *JMIR Public Health Surveill.* [epub ahead of print], April 2020 [pdf](#)
- Joho BS, Lozano D, Pagella P, Wargo M, Amani H. Burn disaster-management planning: a preparedness tool kit. *J. Burn Care Res.* 35(4):e205-216, 2014 [PubMed](#)

Kalb T, Raikhelkar J, Meyer S, et al. A multicenter population-based effectiveness study of teleintensive care unit-directed ventilator rounds demonstrating improved adherence to a protective lung strategy, decreased ventilator duration, and decreased intensive care unit mortality. *J. Crit. Care* 29(4):691.e7-14, 2014 [htm](#)

Kelton DK, Szulewski A, Howes D. Real-time video telemedicine applications in the emergency department: a scoping review of literature. *Can. J. Emerg. Med.* 22:1-9, 2017 [PubMed](#)

Kim JC, Kim DY, Jung SM, et al. Implementation and performance evaluation of mobile ad hoc network for Emergency Telemedicine System in disaster areas. *Conf. Proc IEEE Eng. Med. Biol. Soc.* 2009:1663-1666, 2009 [PubMed](#)

Kim TJ, Arrieta MI, Eastburn SL, et al. Post-disaster Gulf Coast recovery using telehealth. *Telemed. e-Health* 19(3):200-210, 2013 [htm](#)

Kuo LW, Yen CI, Fu CY, et al. The role of preliminary hospitals in the management of a mass burn casualty disaster. *Burns* [epub ahead of print] Dec. 2017 [PubMed](#)

Kwong MJ. Telehealth and COVID-19: DEA and telehealth—webinar. Center for Connected Health Policy, April 2, 2020 [video](#); [slides](#)

Latifi R, Tilley EH. Telemedicine for disaster management: can it transform chaos into an organized, structured care from the distance? *Amer. J. Disaster Med.* 9(1):25-37, 2014 [pdf](#)

Latifi R. Telemedicine for trauma and intensive care: changing the paradigm of telepresence. In: R. Latifi et al. (eds.), *Technological Advances in Surgery, Trauma and Critical Care*, pp. 51-57, 2015 [htm](#)

Lilly CM, Mullen M. Critical care surge management: a role for ICU telemedicine and emergency department collaboration. *Crit. Care Med.* 47(9):1271-1273, 2019 [PubMed](#)

Louissaint N. Issue brief: Telehealth's applications for preparedness and response. *Healthcare Ready*, 2016 [pdf](#)

Lurie N, Carr BG. The role of telehealth in the medical response to disasters. *JAMA Intern. Med.* 178(6):745-746, 2018 [PubMed](#)

Mack D, Brantley KM, Bell KG. Mitigating the health effects of disasters for medically underserved populations: electronic health records, telemedicine, research, screening, and surveillance. *J. Health Care Poor Underserved* 18(2):432-442, 2007 [PubMed](#)

McCoy CE, Alrabah R, Weichmann et al. Feasibility of telesimulation and Google Glass for mass casualty triage education and training. *West. J. Emerg. Med.* 20(3):512-519, 2019 [htm](#)

Merrell RC, Cone SW, Rafiq A. Telemedicine in extreme conditions: disasters, war, remote sites. *Stud. Health Technol. Inform.* 131:99-116, 2008 [PubMed](#)

Morton MJ, DeAugustinis ML, Velasquez CA, Singh S, Kelen GD. Developments in surge research priorities: a systematic review of the literature following the Academic Emergency Medicine Consensus Conference, 2007-2015. *Acad. Emerg. Med.* 22(11):1235-1252, 2015 [htm](#)

Nagata JM. Rapid scale-up of telehealth during the COVID-19 pandemic and implications for subspecialty care in rural areas. *J. Rural Health* [epub ahead of print], April 2020 [pdf](#)

Nagami K, Nakajima I, Juzoji H, Igarashi K, Tanaka K. Satellite communications for supporting medical care in the aftermath of disasters. *J. Telemed. Telecare* 12(6):274-275, 2006 [PubMed](#)

Nelson BP, Melnick ER, Li J. Portable ultrasound for remote environments, Part I: Feasibility of field deployment. *J. Emerg. Med.* 40(2):190-197, 2011 [PubMed](#)

Nicogossian AE, Doarn CR. Armenia 1988 earthquake and telemedicine: lessons learned and forgotten. *Telemed. eHealth* 17(9):741-745, 2011 [PubMed](#)

Northwest Regional Telehealth Resource Center. Quick start guide to telehealth during the current public health emergency. NRTRC, March 2020 [pdf](#)

Ohannessian R. Telemedicine: Potential applications in epidemic situations. *Eur. Res. Telemed.* 4(3): 95–98, 2015 [pdf](#)

Parvizi D, Giretzlehner M, Dirnberger J, et al. The use of telemedicine in burn care: development of a mobile system for TBSA documentation and remote assessment. *Ann. Burns Fire Disasters.* 27(2):94-100, 2014 [htm](#)

Pieper B, Meineke V. Nuclear medical expertise delivered by telemedicine in a 'dirty bomb' exercise. *J. Telemed. Telecare* 13(3):154-156, 2007 [PubMed](#)

Piza F, Steinman M, Baldisserotto S, Morbeck RA, Silva E. Is there a role for telemedicine in disaster medicine? *Crit. Care.* 18(6):646, 2014 [htm](#)

Reeves JJ, Hollandsworth HM, Torriani FJ, et al. Rapid response to COVID-19: health informatics support for outbreak management in an academic health system. *J. Amer. Med. Inform. Assoc.* [epub ahead of print], March 2020 [pdf](#)

Reissman DB, Schreiber M, Klomp RW et al. The virtual network supporting the front lines: addressing emerging behavioral health problems following the tsunami of 2004. *Mil. Med.* 171(10 Suppl 1):40-43, 2006 [PubMed](#)

Reynolds HN, Sheinfeld G, Chang J, Tabatabai A, Simmons D. The tele-intensive care unit during a disaster: seamless transition from routine operations to disaster mode. *Telemed. eHealth*; 17(9):746-749, 2011 [PubMed](#)

Rolston DM, Meltzer JS. Telemedicine in the intensive care unit: its role in emergencies and disaster management. *Crit. Care Clin.* 31(2):239-255, 2015 [PubMed](#)

- Ruggiero KJ, Resnick HS, Acierno R, et al.: Internet-based intervention for mental health and substance use problems in disaster affected populations: A pilot feasibility study. *Behav Ther.* 37(2): 190-205, 2006 [htm](#)
- Saadi A, Mateen FJ. International Issues: Telemedicine in humanitarian crises: Lessons from the Médecins Sans Frontières experience. *Neurology* 89(3):e16-e19, 2017 [PubMed](#)
- Sandrock C. Disaster preparedness--Telehealth course webinar. University of California at Davis, Center for Health and Technology, 2012 [htm](#) [CA](#)
- Shanthanna H, Strand NH, Provenzano DA, et al. Caring for patients with pain during the COVID-19 pandemic: Consensus recommendations from an international expert panel. *Anaesthesia* [epub ahead of print], April 2020 [htm](#)
- Simmons S, Alverson D, Poropatich R, D'Iorio J, DeVany M, Doarn CR. Applying telehealth in natural and anthropogenic disasters. *Telemed. eHealth* 14(9):968-971, 2008 [PubMed](#)
- Stănescu A, Gordon PE, Copotoiu SM, Boeriu CM. Moving toward a universal digital era in mass casualty incidents and disasters: emergency personnel's perspective in Romania. *Telemed. e-Health* [epub ahead of print] August 2017 [htm](#)
- Turnock M, Mastouri N, Jivraj A. Pre-hospital application of telemedicine in acute-onset disaster situations. United Nations, 2008 [pdf](#)
- Uscher-Pines L, Fischer S, Chari R. The promise of direct-to-consumer telehealth for disaster response and recovery. *Prehosp Disaster Med.* 31(4):454-456, 2016 [PubMed](#) [VA](#)
- Vo AH, Brooks GB, Bourdeau M, Farr R, Raimer BG. University of Texas Medical Branch telemedicine disaster response and recovery: lessons learned from hurricane Ike. *Telemed. eHealth* 16(5):627-633, 2010 [htm](#)
- Wiklund E. Using telehealth technology for care coordination during a disaster. *mHealth Intelligence*, August 2018 [htm](#)
- Xiong W, Bair A, Sandrock C, Wang S, Siddiqui J, Hupert N. Implementing telemedicine in medical emergency response: concept of operation for a regional telemedicine hub. *J. Med. Syst.* 36(3):1651-1660, 2012 [htm](#) [CA](#)
- Yperzeele L, Van Hooff RJ, De Smedt A, et al. Feasibility of AmbulanCe-Based Telemedicine (FACT) study: safety, feasibility and reliability of third generation in-ambulance telemedicine. *PLoS One* 9(10):e110043, 2014 [htm](#)
- Yu JN, Brock TK, Mecozzi DM, Tran NK, Kost GJ. Future connectivity for disaster and emergency point of care. *Point Care* 9(4):185-192, 2010 [htm](#)
- Zafar A, Belard JL, Gilani S, Murad F, Khan M, Merrell RC. The impact of curriculum on a national telehealth program. *Telemed. eHealth* 14(2):195-198, 2008 [PubMed](#)

[RETURN TO TOPICS](#)

Northeast Telehealth Resource Center is a partnership between Medical Care Development Public Health Division and the University of Vermont Medical Center. This resource was made possible by grant number G22RH30352 from the Office for the Advancement of Telehealth, Health Resources and Services Administration, DHHS.