

COVID-19 resources for medical educators

Updated on Nov. 4, 2020

This listing is part of a series of COVID-19 articles and resources on medical education.

The American Medical Association (AMA) has curated a crowd sourced list of potential resources—both free and paid—from DR-ED, AMA community, emails and Twitter for virtual or remote learning that have been shared by medical educators in a variety of settings. The AMA has not reviewed and does not endorse any of these listings, aside from those created directly by the AMA. These are provided as a resource to help medical educators determine the best ways to teach remote learners during the coronavirus pandemic.

Nonclinical teaching tools

Anatomy education/general

- Thumbroll
- Remote learning resources from Wolters Kluwer

Anatomy education/pelvic

- Pelvis anatomy tutorial using radiological images, MedEd PORTAL
- Gross Anatomy - Male & female pelvis, perineum, and genitalia. gross and cross-section anatomy
- Pelvic cavity, University of Michigan Medical School

Clinical education remotely

- Virtual clinical learning cases, Aquifer
- Virtual learning resources during COVID-19, Association of American Medical Colleges
- Culture shock: Teaching online in a pinch, Educause

Learning activities/general online tips

- | Tips for creating an effective learning environment in an online course with Sharon B. Buchbinder, RN PhD
- | Teaching remotely in response to COVID-19: 10 tips to improve your digital classroom by Mike Gisondi

Assessment

Institution-administered exams

- | National Board of Medical Examiners: Assessment information and updates

Simulation options for remote simulation activities

- | Objective structured clinical examination from virtually anywhere! The Journal for Nurse Practitioners

Remote standardize simulated patients

- | Elizabeth Krajic Kachur, PhD, Medical Education Development has compiled a list of experienced standardized patients who are working online. It is organized by the age range of cases they could portray (15-75) and provides contact information, special expertise and technology access. If you need remote standardized patients, contact them directly for logistical and financial arrangements. Contact Dr. Krajic Kachur for access.

Remote exams

- | Developing professionalism and professional identity through unproctored, flexible testing, Academic Medicine

Nonclinical electives conducted remotely

Antimicrobial stewardship

- | Core Antimicrobial Stewardship Curriculum, Infectious Diseases Society of America

Ethics/humanities electives

- | Tips for speaking to patients about COVID-related issues
- | Tips illustrated by graphic artist & palliative care specialist Nathan Gray MD
- | Health humanities, Zucker School of Medicine at Hofstra/Northwell

Health systems science

- | AMA Health Systems Science Learning Series - A series of modules providing medical students with an understanding of how health care is delivered, how professionals work together, and how health systems can improve patient care.

Informatics

- | What is biomedical and health informatics, Oregon Health & Science University, William Hersh, MD

Radiology

- | Anatomist, Medical imaging resources

Telehealth electives

- | Telemedicine amid COVID-19, AMA community discussion
- | COVID-19 Student Service Corps
- | Telemedicine training in undergraduate medical education: mixed-methods review, JMIR Medical Education
- | The feasibility and acceptability of administering a telemedicine objective structured clinical exam as a solution for providing equivalent education to remote and rural learners, Rural Remote Health
- | The TeleOSCE: Providing simulated telemedicine training for medical students, Society of Teachers of Family Medicine
- | An interdisciplinary, multi-institution telehealth course for third-year medical students, Academic Medicine

- | Telehealth for the internal medicine resident: A 3-year longitudinal curriculum, Journal of Telemedicine and Telecare
- | Telemedicine: A practical guide for incorporation into your practice, American College of Physicians
- | The California Telehealth Resource Center

Alternative clinical roles

- | Updated interim guidance for medical students' participation in patient care during the coronavirus (COVID-19) outbreak, Association of American Medical Colleges (PDF)

Virtual education experiences/simulation

- | The complete subjective health assessment
- | Infection prevention and control practices
- | Meal assistance virtual gaming simulation
- | Neurological examination rehearsal virtual environment
- | Quarantine surgical education
- | Safe pharmacy simulation
- | Vaccine practice for health professional
- | Virtual healthcare experience
- | Vital sign measurement across the lifespan

Interprofessional education

- | Connecting at the Nexus: COVID-19 Edition. A webinar series from the National Center for Interprofessional Practice and Education
- | GME (PDF) Resources shared during an Alliance for Clinical Education chat on the pandemic's impact on GME

General faculty development lists

- | Society of Teachers of Family Medicine
- | Zucker School of Medicine at Hofstra/Northwell
 - | Clinical resources
 - | Teaching resources
- | Florida International University Herbert Wertheim College of Medicine

Administrative/accreditation

- | Liaison Committee on Medical Education, COVID-19 updates and resources

Away rotations

- | Council of Residency Directors CORD (EM) consensus statement on away rotations

Well-being/mental health resources

- | American Academy of Pediatrics

- | RedBook Online COVID-19 outbreak page

- | Centers for Disease Control & Prevention

- | Coping with stress

- | Mental health and coping during COVID-19

- | Taking care of your emotional health

- | Helping children cope with emergencies

- | Center for the Study of Traumatic Stress

- | Coronavirus & emerging infectious disease outbreaks response

- | Taking care of your family during coronavirus fact sheet (PDF)

- | American Psychological Association

- | Coronavirus & mental health: Taking care of ourselves during infectious disease outbreaks

- | Research information: Pandemics

- | Five ways to view coverage of the coronavirus

- | Speaking of psychology: Coronavirus anxiety

- | The National Child Traumatic Stress Network

- | Parent/caregiver guide to helping families cope with COVID-19 (PDF)

- | Smartphone apps

- | Headspace - An app for mindfulness and meditation.

- | The Down Dog: App featuring yoga, barre, 7 minute cardio workouts.

Vendors

- | Lecturio: With experts from multiple institutions, Lecturio offers curated online lectures and

assessments of curriculums in:

- | Pre-med
- | Pre-clinical step 1 (by subject or organ system)
- | Complete clinical step 2

| NextGenU: NextGenU.org is joining forces with Nurses International and others to offer public health and clinical courses for free during the traveling and gathering restrictions so that learning institutions can remain strong and students/faculty don't waste valuable academic time or get sick. Faculty/educators who don't have online materials can use these free, online courses, and assign coursework to students that align with their learning objectives.

| Osmosis: Osmosis has produced a repository of free material about COVID-19. The organization also has partnered with more than 100 medical and health science programs and organizations to provide their learners with flipped classroom and distance-learning resources.

| ScholarRx: This comprehensive, online preclinical curricular resource can assist schools implementing contingency plans necessitated by the COVID-19 outbreak. In this specific case, Rx Bricks will support the infectious disease course where the school has lost access to teaching faculty due to the public health emergency. ScholarRx will provide the students with access to Rx Bricks and further assist the school with curricular implementation and mapping support.

| WebEncounter: WebEncounter is a framework to facilitate remote video encounters for training and assessment between Standardized Patients and trainees — followed by instant feedback.

Additional COVID-19 medical education articles

- | AMA guiding principles to protect medical students responding to COVID-19
- | Medical education COVID-19 resource guide
- | Guiding principles to protect resident & fellow physicians responding to COVID-19
- | COVID-19 FAQs: Guidance for international medical graduates