

Ohio medical schools help lead frontline fight against COVID-19

As the COVID-19 pandemic grips our state and nation, the Ohio Colleges of Medicine are working together more than ever before to ensure our state's leaders and health care system can deal with the unprecedented challenges of providing safe, high-quality health care to the people who need it most.

Though the educational, care and research landscape has changed dramatically while we shift attention and resources to fight COVID-19, we continue to push forward, harnessing all available resources and knowledge to have a meaningful impact in the fight and to support our state and our leaders.















Increasing health care workforce capacity

The Ohio Colleges of Medicine continue to virtually educate and graduate medical students to ensure the next generation of care providers can be on the front lines meeting the needs of patients and our state during this global pandemic.

Keeping frontline heroes safe

Medical colleges in Ohio are answering the statewide call for more personal protective equipment by building new, innovative supply linkages throughout our communities and regions.

Providing issue expertise to decision makers

Ohio Colleges of Medicine faculty are providing real time support and expertise to state and local leaders, while keeping the nation more informed through media availabilities that harness our homegrown Ohio expertise and perspective.

Caring for our state and local communities

Medical college faculty continue to provide compassionate and reassuring care for patients in our communities and throughout the state during these uncertain and access-limiting times.





CWRU School of Medicine generates new remote course on epidemiology of pandemics in response to global outbreak

Initiated by a fourth-year medical student, the course is designed to teach students to:

- Understand various public-health measures used to address pandemics.
- Understand the difference between containment and mitigation measures.
- Recognize inherent societal risk-factors that lead to susceptibility to a pandemic.
- Understand the role of testing and casefinding in pandemic response, and the advantages and disadvantages of different testing criteria.

Students will produce a communication directed at the local community that addresses interventions intended to control and/or stop transmission of this infectious disease. This includes a manuscript, letter to the editor, series of tweets, new infographic with references, public service announcement for community health websites and other possibilities that would serve the public.

CWRU School of Medicine forms Coronavirus Task Force

The Case Western Reserve University School of Medicine has established a Coronavirus Task Force, led by immunologist Rafick-Pierre Sekaly and virologist Jonathan Karn.

The group quickly realized that to combat the virus, they needed to address issues related to repurposing specific labs, environmental security and lab availability—including adequate space for research in an environment requiring social distancing—as well as an organized approach to external funding opportunities.

THE WALL STREET JOURNAL.

Universities Get Creative With Technology Due to Coronavirus Closures

At Case Western Reserve, medical students are using Microsoft's HoloLens to replace cadavers in anatomy classes

HoloAnatomy goes remote, learning goes on during pandemic

Remote learning at one of the nation's premier research institutions and medical schools has taken on a new dimension.

For the first time, instead of working together on campus, all 185 first-year students from Case Western Reserve University's School of Medicine are using Microsoft HoloLens and the university's signature HoloAnatomy mixed-reality software, despite the physical separation created by the COVID-19 pandemic.



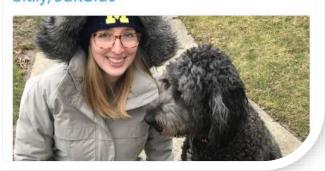
MedSupplyDrive@cwru, a student-run volunteer effort, connects businesses willing to donate personal-protective equipment with local hospitals

So far, more than 50 students have volunteered and teams have assembled to do a variety of tasks.

List makers created a spreadsheet of 280 businesses and contacted businesses to ask if they would be willing to donate supplies to local hospitals. Volunteer drivers pick up the PPE and deliver it to a central drop-off point in Cleveland for transport to area medical centers.



#CWRU students are stepping up their volunteer efforts during this challenging time to assist overloaded health care workers in #Cleveland by running errands, completing chores and collecting personal-protective equipment for hospitals. #CWRUSOM bit.ly/3dKGId0







Case Western medical students match with health care workers in need during coronavirus

CLEVELAND, Ohio — With classes moved online and clinical rotations suspended during the coronavirus pandemic, Case Western Reserve University medical students wanted to find a way to help the health care community in Cleveland.

School of Medicine student volunteers assist with public questions and concerns about COVID-19 pandemic

All implemented within 48 hours, close to 100 first-to fourth-year medical students and physician assistant students have been deployed as volunteers to help manage the crush of inquiries to call centers from a worried and confused public.



<u>UC Health begins in-house</u> <u>testing</u>

"Our pathology and laboratory medicine experts (Kelsey Dillehay-McKillip, PhD, assistant professor; Kurt Hodges, MD, associate professor; and Eleanor Powell, PhD, assistant professor, all in the Department of Pathology and Laboratory Medicine) have been working tirelessly to equip the UC Health Precision Medicine Laboratory to provide this testing," said Dani Zander, Chair and Professor of Pathology and Laboratory Medicine at the College of Medicine.



Faculty, community respond to call for personal protection equipment

A March 20 message from College of Medicine research leadership to faculty seeking essential reagents and personal protective equipment (PPE) for UC Health physicians and staff on the front lines of the COVID-19 battle generated a large trove of donations.

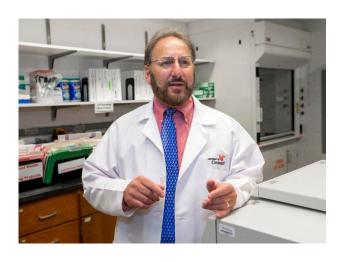


Donation expands UC Health testing capabilities for COVID-19

"We truly appreciate the continued wonderful support from our community," said Andrew Filak Jr., MD, senior vice president for health affairs and Christian R. Holmes Professor and Dean of the College of Medicine. "These technologies will help to improve care, protect both patients and the medical staff."

Worldwide media look to UC experts on coronavirus

As the spread of the coronavirus continues around the world, local, national and international media outlets are turning to experts from UC to help them cover the story.





Roll Call

POLICY

Hospitals plan ventilator substitutes as shortage looms

Alternatives include converted anesthesia gas machines and splitting ventilators

Richard Branson, a respiratory therapist and University of Cincinnati College of Medicine professor of surgery, has studied the issue for years. And while both he and Peterson acknowledge that extreme circumstances on the outbreak's front lines could indeed call for extreme measures like sharing ventilators, it should be a last resort.

Respiratory Fit Testing Expertise

Roy McKay, PhD, professor emeritus, has produced a video on respirator fit test training for the Occupational Health and Safety Administration (OSHA) for distribution across the nation.

UC helps lead international Ophthalmology education on COVID-19

Karl Golnik, chair of ophthalmology, recently gave two webinars, one teaching 2,000 ophthalmic technicians and another to 1,000 ophthalmologists representing 87 countries around the world. The first was through the International Joint Commission on Allied Health Personnel in Ophthalmology while the second was through the Cybersight website of Orbis, an international non-governmental organization training ophthalmologists throughout the developing world.

<u>UC medical students assist seniors</u> amidst COVID-19 pandemic

A group of about 40 UC medical students are part of a free service program known as "Cincinnati + NKY COVID-19 Match" aimed at connecting younger healthy volunteers who have a lower risk for illness with individuals at severe risk of developing coronavirus and in need of someone to pick up groceries, medications or deliver meals.



Forbes

1,057 views | Mar 29, 2020, 10:56pm EDT

This App Can Help Connect Isolated Seniors With Their Families

The startup has operated on a shoestring budget over the last three years – it launched a beta in 2017 shortly after receiving its first funds from the University of Cincinnati, where Harnett is an associate professor, and it's also been awarded a \$100,000 grant from <u>Ohio Third Frontier</u>, a tech-based economic development initiative.



Online COVID-19 pop-up session for health care workers

To support and educate medical professionals during the COVID-19 pandemic, Northeast Ohio Medical University will host two online pop-up sessions – COVID-19 Medical Community Information Project ECHO on March 27 and Project ECHO: Coping with COVID-19 for health care workers on April 1. Both sessions will occur from noon to 1:30 p.m.



Addressing the opioid epidemic during the COVID-19 pandemic

While the COVID-19 pandemic dominates the headlines, other public health crises quietly persist.

As the epidemic of opioid overuse disorder continues, so does training to ease the suffering, through remote learning programs offered through Project ECHO at Northeast Ohio Medical University.



COVID-19: What medical professionals need to know

A bi-directional telementoring session for medical professionals interested in learning more about COVID-19. This forum will help you build expertise and enhance care by sharing evidence-based clinical guidance to diagnose, treat and prevent the spread of the virus. This is a public service offered by NEOMED and its clinical affiliates.

Coping for health care workers during COVID-19

A medical community information session on managing the anxiety, stress, and mental health issues of your patients and yourself during the COVID-19 pandemic. The panel of experts will be on hand to discuss how to handle heightened fears, confusion and stigma of the COVID-19 pandemic.



<u>Telehealth meets standardized</u> patients

As of March 30, the Wasson Center was just starting a new program to use telehealth (also known as telemedicine) training. "Normally you have time to pilot things before you do them live. Here, we've done it through mini-pilots. We're learning the technology — to screen share and others security functionalities — training all staff, faculty, and SPs, and then we go," says Dr. Gerzina.

Now students are learning the techniques of telehealth, which was developed to extend health care's reach to rural and underserved urban areas, as they develop their skills at interacting with patients to hear their concerns, take vital signs, ask pertinent follow-up questions and make diagnoses.

Students help deliver meals to health care workers

Earlier this month, we delivered roughly 300 meals to Mercy Health – Lorain Hospital in Lorain, Ohio, to the men and women working countless hours and risking their lives each and every day. There are many more deliveries scheduled in the Cleveland area.

The goal is to continue raising money so we can continue delivering meals and supporting local businesses and restaurants. We won't stop until every penny is used.

Serving the most vulnerable in a pandemic: SOAR clinic launches telehealth

Helping the most vulnerable has been the clinic's mission ever since it opened in fall 2016. So when the COVID-19 pandemic began and in-person visits became problematic for patients and providers alike, Northeast Ohio Medical University's students and their advisors moved quickly to serve their clients in a different way: through telehealth – visits using technology like Zoom, or phone calls for those without internet access.



NEOMED makes large-scale PPE donation to local health agencies

Continuing to provide education, research and service, NEOMED put its service into action during a time of need as the University donated much-needed personal protective equipment (PPE) to local health agencies, including respirators, masks, surgical gowns, shoe covers, and more than 100,000 pairs of disposable gloves.



New Research, Treatment Using Plasma From Recovered COVID-19 Patients At Ohio State

"Our number one objective is to identify therapeutic plasma that can be given to severely ill patients,"



said Dr. Rama K. Mallampalli, professor and chair of the Department of Internal Medicine with the College of Medicine.

Coronavirus Plasma Test Approved

Researchers at the College of Medicine are part of a national consortium working to test people for previous exposure to coronavirus and predict their levels of immunity. An ultimate goal is to use their plasma as a therapeutic to boost immunity in those who have mild to moderate symptoms.



Ohio State, Abbott Labs speed up COVID-19 testing, addressing doctors' frustration

A nonprofit research and development organization and the Ohio State University College of Medicine have developed a diagnostic test for COVID-19 that can return results in as little as five hours.

Battelle, Ohio State College of Medicine Create & Use New High Throughput Diagnostic Test for COVID-19

"Ohio State and Battelle teams have shown incredible leadership and ingenuity, in moving this project forward so rapidly," said Ohio Governor Mike DeWine. "With this collaboration, we will increase testing right here in Ohio..."



FDA approves Ohio State's COVID-19 testing solution

The Ohio State University says the Food and Drug Administration has approved solutions created by scientists at the College of Medicine will expand and accelerate COVID-19 testing across the state.

Each test kit uses about 3ml (about one tablespoon) of VTM. Ohio State has created more than 100 liters of VTM, which is enough for up to 30,000 test kits, Peter J. Mohler, vice dean of research at The Ohio State College of Medicine said. Ohio State continues to use commercially produced VTM when it is available, but it's still in short supply.



THE OHIO STATE UNIVERSITY COLLEGE OF MEDICINE



Ohio State College Of Medicine Students Learn About Disaster Medicine, COVID-19 Response In New Pandemic Course

"The field of medicine is rapidly changing and Ohio State is adapting our curriculum to provide our students with the skills and expertise to care for patients no matter the circumstances," said Dr. Daniel Clinchot, vice dean of education at The Ohio State University College of Medicine.



Highlighting the Helpers: OSU med students help people on the front lines of coronavirus



The students are also organizing an online site where kids can get free food and another site to show what restaurants are open for take-out orders.

Ellen and Renata, third-year medical students, have been pairing up health professional students from the medical school, optometry school, and College of Nursing to provide help with child care, pet care, and errands while our classes are moved online.

Ohio State experts part of national team finding ways to fight COVID-19

Infectious disease experts and engineers at The Ohio State University College of Medicine were part of a national team of scientists who developed a nasal pharyngeal swab – a key part of the kits necessary to test for the novel coronavirus – and have found ways to produce them at private printing farms, or, if necessary, on the Ohio State campus.

Scientists also worked with an Ohio State College of Medicine anesthesiologist to develop a clear three-sided box that can help protect health care providers from viral particles.



Chest X-Ray Findings in 636 Ambulatory Patients with COVID-19 Presenting to an Urgent Care Center: A Normal Chest X-Ray Is no Guarantee

Chest x-rays are often used to detect infections in the lungs, but the world's largest study of its kind, aided by the Ohio State College of Medicine, finds it's not a reliable way to diagnose respiratory infections caused by COVID-19.

Medical students volunteer as babysitters for front-line doctors and nurses

Social distancing. Virtual learning. Working from home. The response to the coronavirus pandemic has changed lives across The Ohio State University and the world.

So far, more than 100 people signed up to provide care for 91 requests for services. Students were able to match more than 50 families in less than 72 hours.







Heritage College students to lend a hand to local health agencies in fighting pandemic

All third-year Heritage College students will participate in the new COVID-19 public health rotation, a four-week course designed by the medical school in partnership with the Ohio Department of Health, and implemented with help from other state agencies. Through the rotation, students will contribute significantly to the state's response to the pandemic – especially in small, understaffed local health agencies.

Starting April 13, approximately 250 medical students will deploy to local health agencies to assist in containing the outbreak and support Ohio's public health professionals.

Heritage College, and other OHIO colleges, donate protective gear to hospitals

Collectively, the three sites have provided to date around 30,000 gloves, around 1,000 masks, and multiple cases of gowns, as well as items such as shoe covers, protective glasses and cotton-tipped applicators.



Primary Care Physicians are on the Frontline of Battle against COVID-

While we concentrate on medical pandemic experts and public health officials for prognostications about the Coronavirus pandemic, primary care physicians are often on the frontlines of the battle against COVID-19.

They frequently go unnoticed by the pundits and the policymakers.

They are the "unsung heroes" of this fight, says Dr. Kenneth H. Johnson, the Executive Dean of the Heritage College of Osteopathic Medicine and the chief medical affairs officer at Ohio University.



Heritage Community Clinic will keep providing care during COVID-19

The Heritage Community Clinic at Ohio University Heritage College of Osteopathic Medicine will continue to offer health care services to residents in its 24-county service area during the COVID-19 outbreak, while minimizing face-to-face contacts.



Dr. Paige Gutheil helps lead AACOM Educating Leaders on COVID-19



DYK? #AACOM recently hosted a webinar on #COVID19 at the #EducatingLeaders20 Virtual Event. Watch: bit.ly/2xz899g

Join Dr. Valerie Cadet of @PCOMGeorgia, Dr. Paige Gutheil of @OUHCOM, Dr. Bindu Mayi of @NSUFlorida & Dr. Daniel Hurst of @RowanSOM. bit.ly/2xz899g



In the absence of rotations, @OUHCOM's fourth-year medical students are engaging in an online module focused on COVID-19. Thankful for my curriculum team's ability to pivot quickly and deliver such a relevant and timely learning experience!

#CareLeadsHere

12:24 PM · Mar 23, 2020 · Twitter for iPhone

Ohio University medical students to receive degrees early to aid with pandemic

As COVID-19 puts growing burdens on health care systems nationwide, Ohio University and its Heritage College of Osteopathic Medicine are strengthening the medical workforce by graduating medical students sooner than planned.

This will create an opportunity for the class of 2020 graduates to begin working as resident physicians earlier, as the state and nation face a growing number of COVID-19 patients – a trend that could worsen over the next two months.





THE BLADE

How UTMC specialists worked swiftly to bring coronavirus testing to area

Around the same time the United States reported its first case of coronavirus, molecular specialists at the University of Toledo Medical Center had already begun discussions to bring in-house testing capabilities to its pathology lab.

<u>UT Medical students collecting</u> vital safety gear for hospitals



<u>Launching futures of frontline</u> providers



Fourth-year medical students learned their residency placements at the annual Match Day ceremony on Friday, March 20. Students learn where they will spend the next three to seven years training in their chosen specialty, from anesthesiology to general surgery to pediatrics.

Open Access Review

Novel Coronavirus Infection (COVID-19) in Humans: A Scoping Review and Meta-Analysis

Journal of Clinical Medicine

A growing body of literature on the 2019 novel coronavirus (SARS-CoV-2) is becoming available, but a synthesis of available data has not been conducted. We performed a scoping review of currently available clinical, epidemiological, laboratory, and chest imaging data related to the SARS-CoV-2 infection.



Too many coronavirus patients, too few ventilators: Outlook in US could get bad, quickly

Ken Alltucker and Nick Penzenstadler USA TODAY

Doctors and nurses who treat "contact isolation" patients use and dispose of gloves, gowns and masks every time they leave the patient's room. But if fewer patients are placed in isolation – or if hospitals congregate several patients with the same types of infections – it might be a strategy to use less disposable gear, said Dr. Jennifer Hanrahan, chief of infectious diseases at University of Toledo.

<u>UToledo Med, Nursing Students</u> <u>Get Option to Graduate Early</u>

"The College of Medicine and Life Sciences is committed to responding to the COVID-19 pandemic," said Dr. Christopher Cooper, dean of the UToledo College of Medicine and Life Sciences. "We are proud of our graduating medical students that will be joining residency programs in our region and across our nation. These soon-to-be young doctors will play an important role in meeting people's healthcare needs."



UToledo shares COVID-19 expertise to keep public, decsionmakers informed & engaged

STAT

How touching your face can spread viruses — and why you're so bad at avoiding it

"Some pathogens can last for about nine days on surfaces, so we are constantly coming in contact with potential pathogens that can cause an infection," said Jennifer Hanrahan, chief of the division of infectious diseases at the University of Toledo Medical Center.



The Most Common Ways The Coronavirus Is Transmitted

As the study shows, aerosol particles are "concerning" because they can stay suspended in the air for several hours, said Jennifer Hanrahan, an associate professor of medicine and chief of infectious diseases at the University of Toledo.



Harnessing Innate Immunity to Eliminate SARS-CoV-2 and Ameliorate COVID-19 Disease

Healthcare

Preparedness is key for hospitals and health systems when responding to an infectious disease outbreak

"These outbreaks have shown that emerging pathogen outbreaks can occur with little forewarning and cause disruption to hospitals and their ability to care for patients and keep healthcare workers safe," Dr. Hanrahan said.



University of Toledo experts talk coronavirus concerns with the community



UTOLEDONEWS

<u>UToledo Mental Health Experts</u> <u>Offer Tips to Cope With</u> Coronavirus

As the spread of COVID-19 continues to widen, mental health experts at The University of Toledo say it's natural for people to feel nervous — but it's important not to let that fear take over your life.



First in nation: Blood center, **Premier using recovered** patients' plasma to fight COVID-19

The Mayo Clinic said that Premier Health is the first health system in the nation to treat a COVID-19 positive patient using the Mayo Clinic's plasma protocols, according to a press release.



WSU Boonshoft SOM @WSUBoonshoft... 10h Dr. Roberto Colon, assistant professor of internal medicine at the Boonshoft School of Medicine, talks about the Community Blood Center's new COVID-19 Convalescent Plasma Program in Dayton. bit.ly/3e9IXXy



Boonshoft faculty provide critical issue expertise in fight against COVID-19

The associate dean of student affairs and admissions at the Wright State University Boonshoft School of Medicine has been a popular source for media during the coronavirus pandemic. Dr. Gary LeRoy, who is also president of the American Academy of Family Physicians (AAFP), has been a regular feature for media stories around the country.



LeRoy has been interviewed by many newspapers, magazines and websites. These include the New York Times, U.S. News and World Report, Newsweek, Wall Street Journal, Los Angeles Times and the Associated Press.

Dayton Daily News Local. In-Depth. Always updated.

Wright State donates more than 250 boxes of masks, protective equipment to Dayton-area hospitals

Wright State University donated more than 250 boxes of face masks, gloves and other personal protective equipment (PPE) to area hospitals to help protect workers during the coronavirus outbreak.

Boonshoft School of Medicine begins three-year track to M.D. degree

The Wright State University Boonshoft School of Medicine is embarking on a program in 2020 that will allow select students at the school to complete their Doctor of Medicine degrees in just three years



Medical education innovations keep residents learning, engaged





Wright State medical students aid coronavirus monitoring at Centers for Disease Control and Prevention

Two fourth-year students at the Wright State University Boonshoft School of Medicine have aided the effort to monitor coronavirus at the Centers for Disease Control and Prevention (CDC).

Rinki Goswami, of Beavercreek, and Vishal Dasari, of Chennai, India, are working in the Emergency Operations Center (EOC) set up to track the spread of the illness.



Dr. Naila Khalil and Dawn Wooley provide expertise on COVID-19

Dr. Naila Khalil and Dr. Dawn Wooley from Wright State University talk about the coronavirus, weather and the climate.

Wright State medical students volunteer services to help busy health care providers

Students at the Wright State University Boonshoft School of Medicine have started a coordination effort to aid health care providers in Dayton responding to the coronavirus pandemic by pairing physicians and health care providers with medical students available to babysit, dog walk, run errands or assist with eldercare.

Wright State medical student volunteers in New Orleans to fight coronavirus

After finishing his second year at the Wright State University Boonshoft School of Medicine, Kyle Henneke was looking forward to beginning rotations. But they were canceled, and he found himself staying at home trying to help flatten the curve.



Wright State medical student aids <u>Dayton and Montgomery County</u> <u>public health response</u>

With her clinical rotations put on hold due to coronavirus, Jessica Sokol, a third-year medical student at the Wright State University Boonshoft School of Medicine, worked to find an elective rotation instead. Her search took her to Public Health – Dayton and Montgomery County, where she has been assisting since March 23.

