

EDUCATION YEAR IN REVIEW

2020-2021 IMPACT REPORT



POSITIONING TO THRIVE POST COVID-19:
BUILDING COMMUNITY EXCELLENCE

While the COVID-19 pandemic continues to impact many aspects of life and learning within our MCW community, the unwavering support and dedication of faculty, staff and students has allowed the MCW Education mission to position itself to thrive despite the pandemic's presence. **Turning obstacles into innovative opportunities**, MCW students and learners became demonstrated leaders in protecting the health and safety of our community. Pharmacy and Medical students volunteered their time to administer vaccines at MCW and Milwaukee-area vaccine clinics, gaining valuable experience while also admirably serving the MCW and greater Milwaukee communities.



Callie Wessel, School of Pharmacy Class of 2022, assisted with efforts to distribute over 20,000 doses of the COVID-19 vaccine in just under four months at MCW's on-site vaccination clinic.

Faculty, staff and students within each school and campus safely and successfully transitioned from a fully-virtual to a hybrid and eventual in-person learning environment, ensuring MCW's standard of excellence in the education and support of our students while learning continued through various newly discovered best practices. The quick pivot to and increased use of various technologies to deliver high-quality learning and services has proven to be a positive and innovative change MCW will embrace long after the pandemic subsides. In particular, **MCW's ability to enhance the flexibility of hybrid models without compromising quality learning and delivery of services** resulted in a multitude of innovative strategies to build human connections. Through careful assessment and demonstrated innovation over the last year, MCW has succeeded in providing a safe environment in which students, academic programs and campus activities were able to thrive.

STUDENT HEALTH AND WELLNESS

Our Commitment to the Health and Wellness of All MCW Learners

The Office of Student Health and Wellness has continued to ride the metaphorical waves of COVID-19, adjusting to the heightened need for support amongst students while addressing everchanging circumstances to successfully prevent the spread of the virus. The Student Assistance Program, provided by MCW's Department of Psychiatry, increased the number of free therapy sessions it provides students from five to ten. MCW's new Student Behavioral Health and Resource Navigator was brought on board to provide brief, solution-focused support to students, assist with navigating wellness resources, and coordinate further wellness efforts at MCW. Several wellness webinars were offered virtually on topics such as building resilience, assisting Medical Students to manage anxiety during Step 1 preparation and helping all learners thrive in uncertainty. MCW also reinstated partnerships within the community enabling students on all campuses to take part in outdoor activities as a way to take a break from studying and focus on their physical and mental wellbeing.

SUPPORTING OUR LEARNERS AND FACULTY

2021 Innovations in Healthcare Education Research Conference Helps Position Faculty and Learners to Thrive

The 8th annual Innovations in Healthcare Education Research Conference served as an opportunity for educators from across all MCW schools and programs to share new approaches to healthcare education and discuss new ideas that will continue to benefit our learners. Despite a completely virtual format, the three-day 2021 conference was attended by more than 200 faculty, staff and students—including attendees and presenters from schools outside of MCW. Guests were treated to two distinguished plenary speakers, and virtual reality and meet-the-editor sessions that offered innovative and exciting opportunities to engage in discussions about how to best develop educators' research skills and encourage educators, residents, fellows and students to conduct research in healthcare education.

All photographs in this issue in which individuals are not wearing personal protective equipment were taken before the pandemic.

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES

Throughout the pandemic, faculty in MCW's Graduate School continued to provide high quality education through virtual platforms. Graduate students remained adaptable as delivery methods pivoted from in-person to this new format, and some staff and students even created innovative virtual social events to promote interaction and wellness.



Additionally, MCW's Graduate School did not allow the pandemic to halt its impressive growth and expansion, as six new programs were introduced in 2021. Prospective graduate students can now apply for enrollment in these recently launched Graduate School programs: Doctor of Public Health, Master of Science in Genetic Counseling, Master of Science in Precision Medicine, Master of Arts in Biostatistics and Data Science, Certificate in Neuroethics and Certificate in Precision Medicine. With a total of 521 applications in Fall 2021, the highest application number in the School's history, MCW's graduate students have demonstrated their dedication and commitment to continuing their educational pursuits.

521 TOTAL APPLICATIONS FOR FALL 2021

- 324 DOCTORATE
- 168 MASTERS
- 11 CERTIFICATE
- 18 NON-DEGREE



573

PUBLICATIONS

by 2020-2021 MCW Graduate School graduates

SCHOOL OF PHARMACY

The MCW School of Pharmacy continues to flourish in fulfilling its mission to transform healthcare and advance innovative pharmacy practice and patient care models.

As COVID-19 vaccinations began providing a ray of hope in late 2020, the MCW Office of Research, in collaboration with the School of Pharmacy, set up a vaccine clinic, and School of Pharmacy faculty, staff and students were the first to respond to the call to administer vaccines to healthcare personnel and other eligible populations early in the vaccine rollout. The clinic ran from Dec. 22, 2020, through April 14, 2021, and in that period of less than four months, more than 500 community and Medical College of Wisconsin volunteers, including 56 supervised pharmacy students, served more than 8,000 hours to administer nearly 20,000 doses of the COVID-19 vaccine at the on-site clinic. [READ MORE>>](#)



- The Class of 2021 achieved a **75% POST-GRADUATE TRAINING MATCH RATE** in Post-Graduate Year 1 residencies and fellowships. Pharmacy graduates can enter directly into practice without participating in a residency or fellowship.
- **FOUR STUDENTS** from the Class of 2020 will move on to Post-Graduate **YEAR 2 RESIDENCIES**.
- The School of Pharmacy's Class of 2020 achieved a **97%** North American Pharmacist Licensure Examination® (NAPLEX®) **FIRST-TIME PASS RATE**.

"I feel that I am doing my duty as a future pharmacist by helping my fellow healthcare providers. A crucial element of being a pharmacist is administering vaccines and providing other essential preventative services to the public. What an extraordinary opportunity to be a part of history. To provide some of the first COVID-19 vaccines within the MCW health system is something quite special."

Jackson Straughan, Doctor of Pharmacy Candidate, Class of 2022

[READ MORE>>](#)

SCHOOL OF MEDICINE

School of Medicine-Milwaukee

Medical students on the Milwaukee campus joined students in the School of Pharmacy as volunteers in the MCW and greater-Milwaukee COVID-19 vaccine clinics, gaining valuable experience administering vaccines while serving both communities with care and compassion during this time of need. First-year (M1) students continued MCW's presence in the community during their orientation experience as they participated in small group **community service projects throughout Milwaukee**. Through careful adherence to health and safety protocols, MCW's medical students participated in a successful hybrid Commencement Ceremony. MCW faculty and staff were determined to find alternative solutions, such as livestreaming Hooding and Commencement Ceremonies for loved ones and friends, so that students felt the love and support of their own communities while celebrating this milestone achievement. Additionally, the Liaison Committee on Medical Education (LCME) voted in June to continue full accreditation of the medical education program at MCW, demonstrating that the MCW School of Medicine meets or exceeds national standards for structure, function and performance.

- **142** unique journal articles
- **109** podium presentations
- **208** poster presentations
- **5** conference workshops
- **2** grants
- **12+** additional scholarly products including chapters, abstracts and more
- **1** FoxxConn Smart Cities – Smart Futures Finalist

Master of Science in Anesthesia Program

The Master of Science in Anesthesia (MSA) program, which is **on track to achieve 100% job placement for the Class of 2021**, has positioned new graduates to thrive in their workplace communities through pre-employment student rotations. Recently, Bellin Memorial Hospital in Green Bay, WI hired three students from the Class of 2021 who will join a small number of anesthesiologist assistants on staff. The MSA program, Bellin Memorial Hospital, and Bellin Anesthesia Associates partnered to offer these students pre-employment clinical rotations that end upon graduation. Through these valuable experiences, students are jump-starting their employee orientation, learning directly from the anesthesia care team and serving the Green Bay community. Twelve of the sixteen Class of 2021 graduates have clinical rotations with their future employer prior to graduation.

School Of Medicine-Central Wisconsin

Through a grant provided by the Wausau-Marathon County Fund of the Community



Foundation of Northern Wisconsin, MCW-Central Wisconsin invested in **new labor and delivery simulation equipment**. Due to COVID-19 health and safety precautions, students were no longer able to utilize the simulation center at Northcentral Technical College. Through the acquisition of additional simulation equipment and supplies, MCW's Central Wisconsin campus successfully continued and increased hands-on medical student training in small groups. Clerkship students recently completed hands-on training utilizing the new equipment, which is designed to simulate normal and difficult birthing scenarios. Through these learning experiences, students gained an understanding of basic obstetrics (OB) procedures, assessments and the surgical instruments involved.

School Of Medicine-Green Bay



Marissa Cepress, MCW-Green Bay Class of 2022 M.D. Candidate, spent the last two years designing and implementing a **project to assess the awareness and understanding that physicians have of human trafficking in Wisconsin** – a state that does not

mandate physician training on this topic. Marissa invited physicians who are members of the Wisconsin Medical Society to participate in her research. They completed a pre- and post- self-assessment, pre- and post- quiz, read an educational article regarding human trafficking, and had the opportunity to voluntarily complete an online CME training in human trafficking. [READ MORE>>](#)

HIGHLIGHTS FROM THE 2021 MATCH

2021 Match Day Celebrated Virtually

Friday, March 19, 2021, marked the second consecutive year that MCW students celebrated Match Day virtually. While the COVID-19 pandemic prevented a larger in-person celebration, MCW faculty, staff and fellow students found a creative way to celebrate this momentous occasion and share their congratulatory messages with graduating students.

 [CLICK TO WATCH THE 2021 MATCH DAY VIDEO!](#)

**95%
MATCH RATE**

of **MCW-MILWAUKEE** medical students who entered the match matched to residency programs

**95%
MATCH RATE**

of **MCW-GREEN BAY** medical students who entered the match matched to residency programs

**100%
MATCH RATE**

of **MCW-CENTRAL WISCONSIN** medical students who entered the match matched to residency programs

242 STUDENTS medical students (95.6%) obtained first-year residency positions

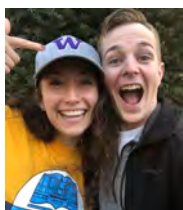
84 STUDENTS remained in Wisconsin for POST-GRADUATE YEAR 1 RESIDENCY TRAINING



33% of MCW-MILWAUKEE students, 36% of MCW-GREEN BAY students and 45% of MCW-CENTRAL WISCONSIN students to remain in WI for residency training

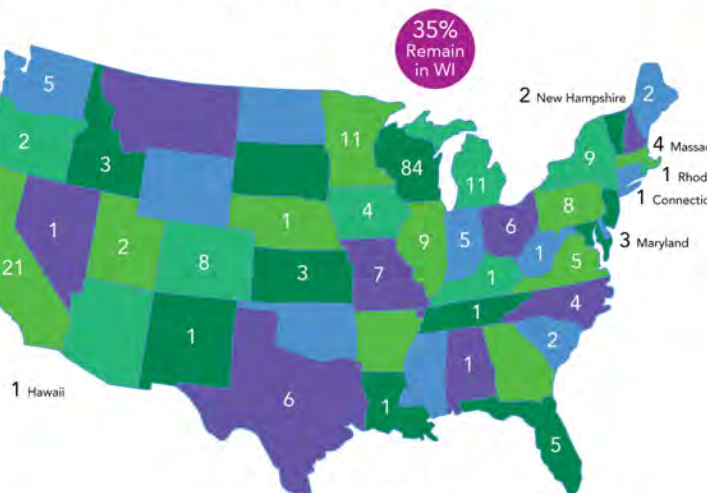


TOP SPECIALTIES OF SPECIALTIES represented at MCW-Milwaukee: **Internal Medicine, Pediatrics and Anesthesiology**, at MCW-Green Bay: **Internal Medicine, Family Medicine and Ob/Gyn** and from MCW-Central Wisconsin: **Family Medicine, Internal Medicine and Pediatrics**



Summary of PG1 Programs	
Anesthesiology	21
Child Neurology	1
Emergency Medicine	18
Family Medicine	28
Internal Medicine (IM)	42
IM/Pediatrics	1
IM/Psychiatry	2
Interventional Radiology (Integrated)	1
Neurological Surgery	1
Neurology	3
Obstetrics & Gynecology	11
Ophthalmology	2
Orthopaedic Surgery	11
Otolaryngology	4
Pathology	1
Pathology - Anatomic & Clinical	3
Pediatrics (Peds)	33
Peds/Anesthesiology	2
Peds/Psych/Child Psychiatry	1
Physical Medicine & Rehabilitation	1
Plastic Surgery (Integrated)	1
Psychiatry	14
Radiology-Diagnostic	1
Surgery-General	19
Surgery-Preliminary	2
Transitional Year	13
Urology	4
Vascular Surgery	1

2021 MCW RESIDENCY DISTRIBUTION



Some students have elected to not share their residency place. All aggregate statistics are inclusive.

[LEARN MORE AT MCW.EDU](#)

ADDRESSING THE NEEDS OF THE MCW AND GREATER MILWAUKEE COMMUNITY

MCW Hosts Event to Recognize MCW Graduates Who Are Underrepresented in Health Sciences



On Wednesday, May 19, 2021, the Office of Student Inclusion and Diversity (OSID) held a safe and socially distanced graduation ceremony entitled *Celebration of Diverse Excellence: Recognition of MCW Graduates Who Are Underrepresented in Health Sciences*. The evening marked the first time OSID had been able to gather with 18 of their students in-person (15 School of Medicine students, two School of Pharmacy students and one PhD student), and an additional six students gave OSID permission to recognize them virtually. The event included a virtual performance of Hmong traditional music.

[READ MORE>>](#)

MCW Vaccine Clinic Highlights the Expanded Role of the Pharmacist

The advent of the COVID-19 vaccine doses in late 2020 offered a

ray of hope after a difficult year and created a universal desire to put an end to the pandemic. In response, the MCW Office of Research set up a vaccine clinic on site and School of Pharmacy faculty, staff and students were the first to respond to the call to administer more than 17,000 vaccines to healthcare personnel and other eligible populations.

[READ MORE>>](#)



Pairing Up to Improve Care

With many in-person rotations, vital to the professional development of third-year medical students, shut down due to the COVID-19 pandemic, members of the Medical College of Wisconsin's Department of Psychiatry and Behavioral Medicine wanted to find a new avenue for students to gain that invaluable experience. So they turned to Michael McBride, MD, MS, local recovery coordinator at the Clement J. Zablocki VA Medical Center in Milwaukee, and a group of veterans to help fill that void.

[READ MORE>>](#)

Taking a Stand for Equity

When calls for racial equity reverberated across the U.S. in 2020, fourth-year MCW student Thiago Arzua took action. Arzua, a native of Brazil and advocate for social justice across racial/ ethnic, gender and LGBTQ platforms, helped launch a new movement, sparked by a well-publicized confrontation in New York's Central Park in May 2020 that involved a woman who was walking her dog and unnecessarily called police on a Black birdwatcher.

[READ MORE>>](#)



Expanding the Skills and Abilities of Pharmacy Professionals

The coronavirus pandemic presented challenges unlike anything faced in this country for generations and brought to light gaps and inequities in our health system. Millions of Americans lack adequate access to healthcare services. This limited access may continue to be exacerbated by COVID-19, physician shortages and inequitable reimbursement models that could strain the healthcare system into the future. Leveraging the role of pharmacists, the third-largest number of healthcare providers in the United States, is essential to the health and welfare of all communities.



[READ MORE>>](#)

MCW Students Help Address Vaccine Hesitancy

Concerned about the impact of COVID-19 on the Latinx community in Milwaukee’s South Side, Ana Maria Viteri, a second-year medical student at the Medical College of Wisconsin (MCW), decided she needed to do something to help. Following the example of her mother, who conducted outreach in the community for years, Viteri wanted to bring valuable information and resources related to COVID-19 and its vaccine directly to residents.

[READ MORE>>](#)



MCW Standardized Patient Reflects on Impact of Healthcare Students and Professionals During the COVID-19 Pandemic

Illustration by Laurie Lipton



By: John Kishline, MCW Standardized Patient

For three hours yesterday, I watched my heart beating up close and utterly personal on the best ultrasound machine in the world and was paid for doing it. The Medical College of Wisconsin at Froedtert Hospital hires people to be prodded and poked so that students have hands-on experience to prepare them to save lives. The person teaching them with this quarter million-dollar tool is a thirtyish ER doctor who uses it every working day to quickly get critical information that will help diagnose and treat the injury or illness of whomever comes through the door.

[READ MORE>>](#)

MCW’s Ongoing Commitment to Anti-Racism: Through the Lens of the School of Medicine’s Office of Student Affairs



The School of Medicine’s (SOM) Office of Student Affairs’ commitment to anti-racism extends across all SOM Student Affairs initiatives, but it is most prevalent within the Orientation experience. Most significantly, the Office Student Affairs has crafted an approach that builds upon itself not only in welcoming M1 students to MCW, but also to the Milwaukee area, with a fuller context on the history of the city and particularly its segregated roots.

[READ MORE>>](#)

ADDRESSING THE NEEDS OF THE MCW AND GREATER MILWAUKEE COMMUNITY

Degrees and Teaching Awards for 2021 Academic Year

DEGREES AWARDED



252
MD



50
Masters



41
PhD



12
MSA



51
PharmD

FACULTY TEACHING AWARDS

Ernest O. Henschel Clinical Teaching Award:
Michael J. Gitter, MD

Graduate Student Award for Outstanding Mentor:
Sridhar Rao, MD, PhD

Graduate Student Award for Outstanding Teacher:
Caitlin C. O'Meara, PhD

Harry Beckman Basic Science Teaching Award:
Beth B. Krippendorf, PhD

MCWAH Housestaff Award for Excellence in Teaching:
Elizabeth Traudt, MD and Douglas Pierce, MD

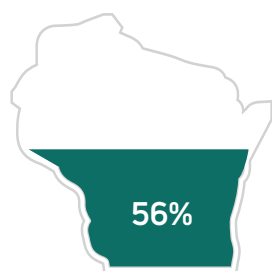
School of Pharmacy Faculty Preceptor of the Year:
Sara Revolinski, PharmD

Advanced Pharmacy Practice Experience Preceptor of the Year:
Dean Grubber, BPharm, RPh

Introductory Pharmacy Practice Experience Preceptor of the Year:
Paul Hoffman, BPharm, RPh

MCW by the Numbers

Numbers represent current 2021-2022 academic year



PERCENT OF CURRENTLY ENROLLED STUDENTS WHO ARE WISCONSIN RESIDENTS:

1,005

MEDICAL STUDENTS - ALL THREE CAMPUSES

360

GRADUATE STUDENTS

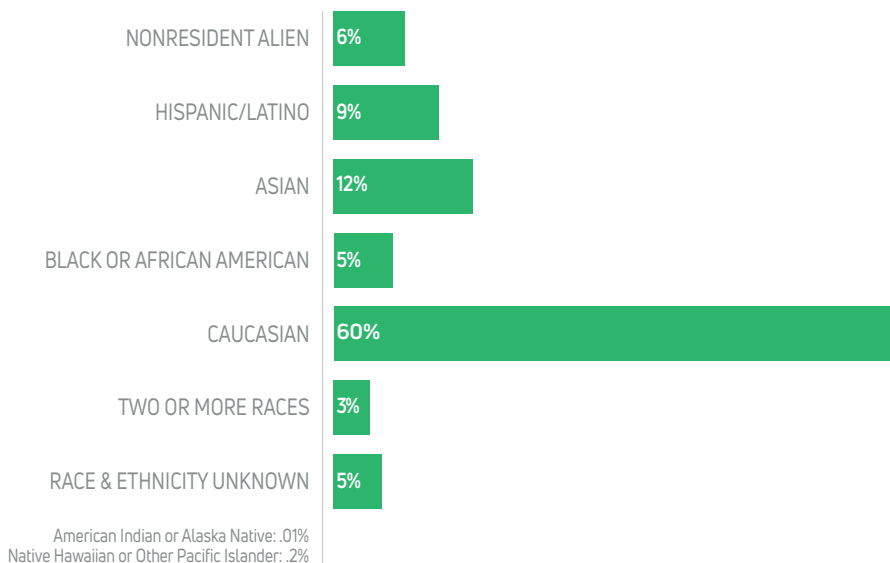
120

PHARMACY STUDENTS

53

MSA PROGRAM STUDENTS

ETHNICITY OF ALL MCW STUDENTS



58%
FEMALE

42%
MALE

Includes students in the Medical School at all three campuses, in the School of Pharmacy, in the Master of Science in Anesthesia program and the Graduate School

4 STUDENTS FROM MCW'S STUDENT ENRICHMENT PROGRAM FOR UNDERREPRESENTED PROFESSIONS (STEP-UP) PROGRAM MATRICULATED INTO MCW-MKE MEDICAL STUDENT CLASS.

Student Resiliency in the Face of COVID-19: A Snapshot in Time

Attending medical school during a pandemic has been a very unique experience. What would normally be standard practice for learning hands on techniques has had to be altered to follow health and safety precautions. We started out by having instructional videos provided for us as learning tools. However, when we as students mentioned to staff that we felt ill-prepared without the hands-on training, our professors quickly adapted, and we were given individual hands-on guidance with simulation equipment.

– Olivia Newgaard, Class of 2023

[READ MORE>>](#)



“During the COVID-19 pandemic, MCW has helped me to value the importance of self-care, to build resiliency, and to lead with empathy as I continue to serve my patients. As a prior medical student and now Anesthesiology Resident at MCW, I feel blessed to have exceptional mentors who impart the skills and mindset that continue to shape my career on a daily basis..”

–Ashley Villard-Wrobbel
Anesthesiology Resident, PGY-1



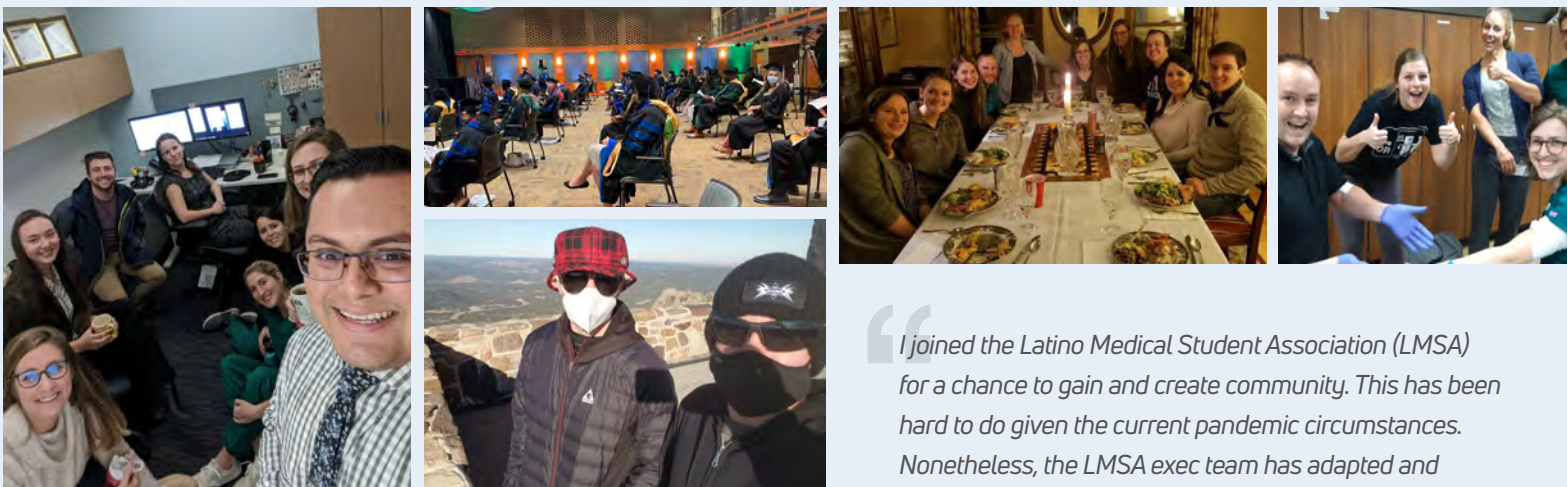
“When I first found out MCW School of Pharmacy would be playing a role in COVID-19 vaccine administration, I immediately wanted to get involved. This pandemic has been tough on everyone and this vaccine is the light at the end of the tunnel. Upon learning about the request for volunteer immunizers, I felt a sense of responsibility and urgency to utilize the immunization certification I had earned earlier this year”

– Andrea Modlin, PharmD Candidate, Class of 2022

[READ MORE>>](#)

Student Resiliency in the Face of COVID-19: A Snapshot in Time

Student Resiliency in the Face of COVID-19: A Snapshot in Time



“I joined the Latino Medical Student Association (LMSA) for a chance to gain and create community. This has been hard to do given the current pandemic circumstances. Nonetheless, the LMSA exec team has adapted and have found creative ways to engage people and build community like our virtual Zoom Enchilada Making fundraiser. It was so nice that people from all cultures and backgrounds were partaking in this event - in a way, it was like sharing a piece of our culture, food, and language.”

– Cristhian Gutierrez Huerta, M2,
Latino Medical Student Association

Student Resiliency in the Face of COVID-19: A Snapshot in Time

