

UCDAVIS
HEALTH

CHILDREN'S
HOSPITAL



2019–2020 *Year in Review*

The expertise that gave conjoined twins *a new life*

Rarer than one
in a million



In 2020, nine-month-old conjoined twins Abigail and Micaela Bachinskiy underwent our hospital's first-ever separation surgery. After months of high-tech preparation, the 24-hour landmark procedure was conducted by a multidisciplinary team of more than 30 experts. See more in a five-part video series at **ucdavis.health/twins**.





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At a glance

Select highlights from UC Davis Children's Hospital

- Throughout the coronavirus pandemic, our experts have **responded and shared the latest evidence-based safety advice nationally and internationally** in the care of pregnant mothers and newborns. From co-authoring COVID-19 guidelines to establishing protocols, our experts have been on the frontline providing insights on how to safely deliver care for those with and without the virus.
- This past year we were recognized by the National Safe Sleep Hospital Certification Program as a **gold safe sleep champion** for our commitment to best practices and education on infant safe sleep.
- We unveiled our **new pediatric emergency waiting room**, a private, family-friendly space to accommodate the needs of families who require trauma and emergency care.
- Last October, our surgeons took part in our **hospital's first-ever separation** of nine-month-old craniopagus twins. After 10 months of high-tech preparation, the 24-hour landmark surgery was conducted by a multidisciplinary team of more than 30 experts in our state-of-the-art level I Children's Surgery Center.
- Our Comprehensive Epilepsy Program earned accreditation as a **level 4 epilepsy center**, **the highest rating** awarded by the National Association of Epilepsy Centers (NAEC). The program provides more complex forms of neurodiagnostic monitoring, medical neuropsychological and psychosocial treatment.
- In 2020, we **earned the highly prestigious Baby-Friendly designation** by Baby-Friendly USA, demonstrating adherence to the highest standards of breastfeeding care built on evidence-based practices recommended by the World Health Organization and the United Nations International Children's Emergency Fund.
- UC Davis Children's Hospital worked with Our Little Life Foundation and Sacramento County Health Center to establish a **Comprehensive Integration of Resilience into Child Life Experiences (CIRCLE) clinic** to address the effects of Adverse Childhood Experiences (ACEs) in foster-care children.
- UC Davis Health became **the first and only hospital in California** to offer Zulresso (brexanolone), a new medication to treat mothers with postpartum depression. The 60-hour intravenous treatment has helped new mothers improve their postpartum depression symptoms, including insomnia, appetite loss and mood swings.

UC Davis pediatrician Eric Crossen
provides care during an annual physical.



Welcome

This past year has been both historic and challenging for our world-class faculty members and providers here at UC Davis Children's Hospital. As the nation has faced the coronavirus pandemic, we are very thankful for the strength and courage our teams have shown on the frontlines while bringing together expertise, clarity and the latest advancements in neonatal and pediatric COVID-19 research to our shared community and beyond.

Although these are unprecedented times, our pediatric academic medical center has been steadily going strong. We've drawn more national recognition in patient care, research and quality improvement initiatives. Recognition is important to our mission, but what we are most proud of is the extraordinary care and comfort we continue to provide to children and their families throughout the region.

Here are some of the reasons our care resonates both nationally and locally. We were once again ranked in four pediatric specialties and among the Best Children's Hospitals in America by *U.S. News & World Report*. Our hospital was also named one of *Newsweek's* Best Maternity Care

Hospitals, and we received the highly prestigious Baby-Friendly designation by Baby-Friendly USA, which showcases our adherence to the highest standards for breastfeeding care.

In addition, we had an impressive number of physicians from 15 pediatric subspecialties listed among the Sacramento region's top doctors in the December 2020 issue of *Sacramento Magazine*, which demonstrates our across-the-board quality care.

This year, we also opened two new Prenatal Diagnostic Center clinics designed to provide expecting mothers convenient access to comprehensive counseling, genetic screening and diagnostic testing for fetal anomalies. We are continually expanding our telemedicine network and partnerships with community hospitals to provide pediatric subspecialty coverage in rural and remote areas, including 14 new counties in Northern California.

For referring providers and families in our 33-county, 65,000-square-mile service area, we hope the above highlights and others in this report will continue to affirm the trust you place in us.

As always, thank you for your support and partnership!



Satyan Lakshminrusimha, M.D.

Pediatrician-in-Chief
UC Davis Children's Hospital



Diana Farmer, M.D.

Surgeon-in-Chief
UC Davis Children's Hospital



Judie Boehmer, R.N., M.N., N.E.A.-BC, FABC

Executive Director, Patient Care Services,
UC Davis Children's Hospital



CANCER

New adolescent and young adult oncology program

The UC Davis Comprehensive Cancer Center launched a new Adolescent and Young Adult (AYA) oncology program, funded by Teen Cancer America. The program provides cancer patients with coordinated services such as psychosocial and supportive care, fertility preservation, genetic testing and survivorship support.

The region's only NCI-designated center

UC Davis Comprehensive Cancer Center is the only National Cancer Institute-designated center serving the Central Valley and inland Northern California, a region of more than 6 million people. Our team includes experts such as chief of pediatric hematology and oncology Marcio Malogolowkin, an international leader in pediatric liver tumors and an authority on adolescent and young adult (AYA) cancers.

Breaking
barriers
to beat cancer



“We want to *thank all* of the doctors that have been taking care of her.”

Patricia Rodriguez, on her 10-year-old daughter Jessenia's care following her acute lymphocytic leukemia diagnosis.

CARDIOLOGY AND HEART SURGERY

Successful deliveries for two Fontan patients

In 2020, a multidisciplinary team including maternal-fetal medicine physicians, pediatric cardiologists, obstetricians and pediatric cardiac anesthesiologists helped two Fontan patients fulfill their dreams of motherhood after delivering both of their babies successfully. The babies, Brandon and Andrea, were born healthy and without congenital heart defects.

International conference expands to South Korea

The UC Davis Pediatric Heart Center, co-directed by renowned interventional cardiologist Frank Ing, hosted an international pediatric heart conference with the cardiology team at Sejong Cardiac Hospital in Seoul, South Korea. The conference gave experts the chance to collaborate, discuss patient cases, share best practices, and expand research opportunities.

Frank Ing, chief of pediatric cardiology and co-director of the UC Davis Pediatric Heart Center.

Project ADAM teaches CPR in the community

Project ADAM Sacramento, a UC Davis Children's Hospital cardiac emergency preparedness program, reaches out to schools to ensure that staff, faculty, students and families are trained on how to perform CPR and use automated external defibrillators (AEDs). Before the COVID-19 pandemic, the program was actively involved in providing resources, education, CPR and AED training at schools. Project ADAM is currently developing videos so schools can teach CPR and AED use to students and staff virtually.



"We are extremely impressed and grateful for how UC Davis handled, and has continued to handle, Owen's case. It made us feel so much better to see how all the different doctors and departments worked together and how thorough they were."

Bobbie Rinek, after her two-year-old son Owen was transported to UC Davis Children's Hospital for dangerously high blood pressure.



DIABETES/ ENDOCRINOLOGY

Video visits improve pediatric glycemic control

A UC Davis Health study led by Stephanie Crossen, pediatric endocrinologist and Clinical and Translational Science Center scholar, found that telehealth video visits — in addition to clinic visits — for pediatric patients with Type 1 diabetes suboptimal glycemic control

During the pandemic, telemedicine has played a huge role in keeping patients connected while also improving health outcomes.

had higher patient satisfaction and improved glucose levels. The findings published in the journal *Diabetes Technology and Therapeutics* show how connected technology during the COVID-19 pandemic has helped providers improve health outcomes for children living with chronic conditions.

New insights on diabetic ketoacidosis, memory loss

UC Davis researchers have found a link between diabetic ketoacidosis (DKA), lower IQ scores and memory loss in children with Type 1 diabetes. The first large-scale study of its kind published in *Diabetes Care* showed that children with a previous diagnosis

measure lower in memory and IQ, suggesting that cognitive deficits may worsen over time compared to children with a new onset of DKA.

Pediatric endocrinologist receives Eli Gold Prize

Stephanie Crossen, recipient of a National Institutes of Health K12 grant and a National Institute of Diabetes and Digestive and Kidney Diseases K23 award, has received the 2020 Eli Gold Prize. The award is given to faculty members who have achieved prominence in clinical, teaching, research and/or community service. Crossen is recognized for her work in the field of diabetes care technologies and telemedicine, including working with the Pediatric Endocrine Society to develop telehealth how-to videos for providers during the COVID-19 pandemic.

improving
outcomes



“The staff is so responsive. I know I will get quality care 24/7. There is no comparison. UC Davis is just amazing.”

Bryanna Taylor, on the care and support her daughter Aubrey receives for her Type 1 diabetes.

GASTROENTEROLOGY/ GI SURGERY

Pediatric gastroenterologist receives Eli Gold Prize

Daphne Say received the 2020 Eli Gold Prize, an award given to faculty members who have achieved prominence in clinical, teaching, research and/or community service. Say's efforts include establishing the UC Davis Pediatric Inflammatory Bowel Disease (IBD) program, and helping UC Davis Children's Hospital join and actively participate in ImproveCareNow (ICN), an international IBD network.

New endoscopic protocol for COVID-19

During the pandemic, our team of pediatric gastroenterologists developed a safety protocol for endoscopic procedures that protect health care providers while working with patients possibly infected with COVID-19. The protocol, published in the *Journal of Pediatric Gastroenterology and Nutrition*, was shared with colleagues across the country and used as a framework to classify and mitigate risks of COVID-19 infection.

"The doctors and nurses were *very thorough* and reassuring. They helped me with everything I needed in *ways that I didn't even expect.*"

UC Davis nurse Diana Estrada-Arauz, who gave birth to a healthy baby boy at UC Davis Children's Hospital after being successfully treated for community-acquired COVID-19 during her pregnancy.

MATERNITY CARE

A Newsweek Best Maternity Care Hospital

UC Davis Medical Center is one of *Newsweek's* Best Maternity Care Hospitals in 2020, according to rankings released last July. Its maternity care program was ranked among the best in the U.S. as verified by the 2019 Leapfrog Hospital Survey administered by The Leapfrog Group, an independent national health care watchdog organization.

New opioid use disorder clinic opened

As the first and only clinic of its kind in Sacramento, our new opioid use disorder clinic provides a specialized multidisciplinary team approach including perinatal psychiatrists, neonatologists, obstetrics and newborn nurses, gynecologists and social workers to help pregnant mothers struggling with addiction. The clinic helps patients manage their medications, provides seamless transition postpartum to our family and internal medicine clinics, and partners with community clinics to ensure care continues after delivery.

UC Davis Medical Center is one of *Newsweek's* Best Maternity Care Hospitals in 2020.

New Prenatal Diagnostic Center clinics

As a continued effort to reduce the risk of high-risk pregnancies in inland Northern California, UC Davis Health added two new Prenatal Diagnostic Center (PDC) clinics in the Sacramento and Stockton communities. The centers, run by board-certified perinatologists, provide expecting mothers convenient access to comprehensive counseling, genetic screening and diagnostic testing for fetal anomalies.

First in California to treat patients with postpartum depression drug

In 2019, UC Davis Health became the first and only hospital in California to offer Zulresso (brexanolone), a new medication to treat mothers with postpartum depression. Developed by UC Davis neurologist Michael Rogawski, the intravenous drug rapidly brings insomnia, appetite loss and mood swings to remission. Zulresso was approved by the U.S. Food and Drug Administration, and currently only three other states offer this type of treatment. Patients who have received the 60-hour infusion at UC Davis Health have reported a dramatic improvement in their postpartum depression symptoms.

NEONATOLOGY

New insights on mother-to-child COVID transmission

Pediatrics chair Satyan Lakshminrusimha, neonatology chief Mark Underwood, director of maternal-fetal medicine Herman Hedriana, and chief of pediatric infectious diseases Dean Blumberg were key partners in helping define possible paths of COVID-19 transmission between mother and newborn. The research, published in the *American Journal of Perinatology*, outlined potential mechanisms of vertical transmission and highlighted the importance of understanding the timing and the route of infection in maternal-fetal transmission.

Level IV NICU

The UC Davis Neonatal Intensive Care Unit (NICU) is a level IV-designated nursery (the highest possible rating) for the Sacramento region, providing clinical care for infants throughout Northern California and conducting research on health problems facing infants, including those who are born very prematurely, are extremely ill, or require surgery.

Nationally ranked

Our neonatology program ranked 26th nationally in the 2020–2021 *U.S. News & World Report* Best Children's Hospitals survey.

Helping rural hospitals care for mothers with opioid use disorder

Neonatologist Kara Kuhn-Riordon and her team received a \$500,000 Health Resources and Services Administration (HRSA) grant to help rural maternal and infant providers care for pregnant and postpartum mothers with opioid use disorder. The project, Optimizing Pregnancy and Infant Outcomes in Drug (OPIOID) Addiction and NAS, will provide an outlet for health care providers to discuss patient cases, receive feedback from UC Davis Health clinicians and take part in ongoing education and training.

Webcam program positively impacts parents

FamilyLink, a NICU webcam program created by neonatologist Kristin Hoffman, allows off-site families to see their infants 24 hours a day through a home computer, tablet or cellphone. A recent UC Davis Health study published in *Telemedicine and E-Health* found that parents who used FamilyLink felt more involved in their child's care, and that mothers were more likely to breastfeed or provide breastmilk to their babies.



“The staff at UC Davis were truly amazing and we knew Kaliah was in great hands.”

Taylor Dillon, after her daughter Kaliah spent 36 days in the UC Davis Neonatal Intensive Care Unit for GBS bacterial meningitis.

Partnership brings level II NICU to Lodi

An affiliation with Adventist Health has expanded pediatric and neonatal care services at Adventist Health Lodi Memorial, and created a level II Neonatal Intensive Care Unit (NICU) facility at that hospital to treat preemies that need extra support from UC Davis Health specialists. The professional services agreement brings UC Davis physicians and nurses to Lodi and establishes a 24/7 instant connection to our pediatric emergency department. The arrangement is designed to increase the level of care available locally while decreasing the need for transfers to UC Davis, home to a level IV NICU for the highest-acuity cases.

“As a mom, I’m grateful for UC Davis Children’s Hospital because they gave *new life* to my son.”

Angelica Gonzalez, whose 17-year-old son Alex was born without kidneys. In March 2020, Alex underwent an essential transplant surgery to receive a donated kidney.

NEPHROLOGY AND KIDNEY TRANSPLANTATION



- Nationally ranked**
Our pediatric nephrology program ranked 25th nationally in the 2020–2021 *U.S. News & World Report* Best Children’s Hospitals survey.

Highest volume of kidney transplants
Adult and pediatric kidney transplants were on the rise at UC Davis Health in 2020, with the transplant team having had one of its highest volume years ever. The UC Davis Transplant Center has consistently been among the nation’s top programs in terms of kidney transplant volume. Outcomes for UC Davis Health kidney transplant patients also consistently meet or exceed the national average.
- Unique dialysis service provides bridge to transplant**
To better serve children waiting for a kidney, our program continues to be the region’s only outpatient peritoneal dialysis service for patients under 10 years of age.

The UC Davis Transplant Center has consistently been among the nation’s top programs in terms of kidney transplant volume.

NEUROLOGY/ NEUROSURGERY

New renowned neurology chair

Amy Brooks-Kayal, an internationally recognized physician leader, neurologist, epilepsy expert, and leader in research on novel seizure therapies, was selected as chair of the Department of Neurology at the UC Davis School of Medicine, and the Andrew John Gabor, M.D., Ph.D., Presidential Chair in Neurology. She is known globally for leading advances in epilepsy, pediatric neurology and neuroscience, and specializes in the care of children and teens with difficult-to-manage or complex epilepsy.

Highest accreditation for epilepsy program

UC Davis Medical Center's Comprehensive Epilepsy Program earned accreditation as a level 4 epilepsy center, the highest rating awarded by the National Association of Epilepsy Centers (NAEC). The program is recognized as providing more complex forms of intensive neurodiagnostic monitoring, as well as more extensive medical neuropsychological and psychosocial treatment.

Pillow Project provides comfort, support

Pediatric patients in our Leukodystrophy Subspecialty Clinic received decorated handmade pillows thanks to a partnership with the Olivia Kay Foundation. The foundation's Pillow Project, created to help children feel more supported and comfortable during their hospital stay, donated 25 handmade positioning pillows to our young patients this year.



Internationally recognized neurologist and epilepsy expert Amy Brooks-Kayal has been selected as our new chair of the Department of Neurology.

“I am a huge fan of UC Davis Children’s Hospital. It is so fortunate that we have access to that *level of care* right here in Sacramento.”

Amber Schayltz, whose son Rhoen had neurosurgery for craniosynostosis.



ORTHOPAEDICS

Nationally ranked

U.S. News & World Report ranked our pediatric orthopaedic program among the nation's best in 2020–2021, in collaboration with Shriners Hospitals for Children – Northern California, our longstanding partner on orthopedic disorders and spinal injuries.

Promising results in Duchenne clinical trial

Using stem cells derived from heart muscle cells, UC Davis researchers have found promising results for a potential treatment for people with Duchenne's muscular dystrophy, a progressive genetic disorder that mostly affects boys. Craig McDonald, one of the world's leading experts on the disease and national principal investigator on the clinical trial HOPE-2, found that participants who recently completed the trial showed improvement in their heart and lung function and upper body strength.

“The doctors are amazing, and the nurses are the kindest people on the planet. The care team did everything they could to support us and let us know we were not alone.”

Jessica Alwan, on daughter Lydia's recovery after she was successfully treated for osteosarcoma.



“From pulmonology to GI to ENT to the ER, UC Davis has cared about Tristan *from the beginning.*”

Deb Kelso, whose grandson Tristan was diagnosed with cystic fibrosis when he was one month old.



PULMONOLOGY

EVALI mimics COVID-19

In a recent study, UC Davis Children’s Hospital researchers found e-cigarette or vaping product use-associated lung injury (EVALI) symptoms mimicked COVID-19 in teens. Our experts have advised fellow clinicians to consider EVALI and ask for relevant smoking/vaping history when presented with pediatric patients with unexplained respiratory failure. Pediatrician Daphne Darmawan and pediatric pulmonologist Kiran Nandalike are looking at the clinical course and long-term health impacts of teenagers with EVALI, and working on developing protocols to help with early identification and treatment.

Children diagnosed via home sleep tests have better outcomes

Home sleep tests have contributed to faster recovery times and overall better outcomes in pediatric patients with complex medical issues, according to a new study by UC Davis pulmonologists. In order to treat patients faster, our experts have moved away from prescribing a polysomnogram—the gold standard in screening for sleep disorders—and have instead opted in for home sleep tests which are readily available, provide results in 24 hours, and effectively diagnose sleep-disordered breathing.

Disguised as COVID-19, UC Davis Children’s Hospital pediatricians advise fellow clinicians to consider EVALI in teen patients, and are developing protocols to help with *early identification and treatment.*

SURGERY

Rare craniopagus twins successfully separated

Last October, UC Davis Children's Hospital surgeons took part in our first-ever separation of nine-month-old conjoined twins Abigail and Micaela Bachinskiy. After months of high-tech preparation, the 24-hour landmark surgery was conducted by a multidisciplinary team of more than 30 experts, including lead pediatric neurosurgeon Michael Edwards, chief of plastic surgery Granger Wong and director of pediatric anesthesiology Rajvinder Dhamrait.



Level I Children's Surgery Center

UC Davis Children's Hospital is verified as a level I Children's Surgery Center by the American College of Surgeons (ACS), the world standard bearer for surgical quality. We remain the first hospital on the West Coast, and one of only a dozen in the nation, to have earned this distinction. Level I centers have children's surgeons in every discipline, with pediatric anesthesiologists and dedicated operating rooms for children available 24 hours a day. They also train future leaders in education and research and participate in community outreach.

Groundbreaking treatment for spina bifida

Diana Farmer, our Children's Hospital surgeon-in-chief and chair of UC Davis Health's Department of Surgery, in collaboration with stem cell

scientist Aijun Wang, have received approval from the U.S. Food and Drug Administration to test a groundbreaking spina bifida treatment that combines surgery with stem cells. The one-of-a-kind treatment, delivered while the baby is still in the mother's womb, could improve outcomes for children with the birth defect. In November 2020, the California Institute for Regenerative Medicine (CIRM) awarded a \$9 million grant to both Farmer and Wang to help launch the world's first human clinical trial.

Farmer awarded APSNA Champion Award

Diana Farmer was also awarded the Champion Award by the American Pediatric Surgical Nurses Association (APSNA). The organization shapes pediatric surgical nursing through advocacy, collaboration, mentorship and leadership.



Nine-month-old craniopagus twins Abigail and Micaela Bachinskiy were successfully separated in a 24-hour landmark surgery after months of high-tech preparation.

TRAUMA AND EMERGENCY

New pediatric ER waiting room

Our pediatric patients and their families can now benefit from a new private, family-focused, pediatric emergency waiting room. The 500-square-foot waiting room offers on-site child life specialists who provide activities for kids, while guiding and assisting families as they cope with urgent situations.

Level I pediatric trauma center for 65,000 miles

UC Davis Medical Center is a level I trauma center, the highest level possible, as verified by the American College of Surgeons. It is the only level I trauma center for both adults and children in inland Northern California, and one of only two in California.

Our hospital and trauma center serve a 33-county, 65,000-square-mile area with the help of the most comprehensive children's hospital critical-care transport team in Northern California. The program travels 24-7 by ambulance, helicopter or fixed-wing aircraft to carry more than 700 children each year, some from hundreds of miles away. In all we saw more than 13,378 pediatric emergency department visits in FY 19/20.



Interventions to prevent violent injuries

Our Wraparound program, designed to aid emotional recovery and help prevent recurrence of violent injuries among adolescents and young adults in Sacramento's Oak Park area, was awarded a \$966,049 grant from The Board of State and Community Corrections to continue its mission in reducing preventable pediatric injury in underserved communities. The program features two intervention specialists who work to turn tragic circumstances into teachable moments for stabbing, gunshot and beating victims admitted to UC Davis Medical Center for treatment.

Tracking a troubling syndrome in children

In 2020 UC Davis Children's Hospital became part of an international group researching multisystem inflammatory syndrome in children (MIS-C), a new form of COVID-19 likened to toxic shock syndrome and Kawasaki disease.

Our hospital and trauma center serve a 33-county, 65,000-square-mile area with the help of the most comprehensive children's hospital critical-care transport team in Northern California.

UROLOGY

New surgical technique for appendicostomy

The risk of stoma stenosis complications after surgery can be significantly lowered by a new surgical procedure, according to a new UC Davis Health study published in *The Journal of Urology*. The study led by Eric Kurzrock, chief of pediatric urologic surgery, found that making an opening in the appendix away from the tip and securing it to the fascia above the belly button, preserved blood vessels and blood supply to the stoma. The new technique reduced complications and prevented tension on the stoma during the healing phase.

Nationally ranked

U.S. News & World Report consistently ranks the pediatric urology program at UC Davis Children's Hospital among the best in the nation. In the 2020–2021 Best Children's Hospital survey, our program ranked 36th nationally, in collaboration with Shriners Hospitals for Children – Northern California, our longstanding partner in caring for children with urological issues.

Urologic device assists in bladder function loss

In addition to serving a busy surgical practice, our clinicians are also evaluating quality-of-life issues, outcomes data and new technologies to improve treatments for children.

Eric Kurzrock, chief of pediatric urologic surgery, and UC Davis medical and engineering experts received a grant from the National Science Foundation to continue developing and testing an under-clothing biosensor that can recognize when patients with spinal cord injuries have full bladders. Using ultrasound, resonance sensing and light, the device tracks and analyzes how much light bounces back signaling that the bladder is either full or empty. The team is continuing to refine the prototype and undertake new studies on patients with and without spinal cord injuries or anomalies.

NURSING

Nation's highest recognition for nursing excellence

UC Davis Medical Center has long been identified as a U.S. center of nursing excellence devoted to optimal, collaborative and evidence-based care. We are privileged to have been granted Magnet® recognition status by the American Nurses Credentialing Center. Only about 8 percent of hospitals in the nation carry Magnet® designation, and UC Davis Medical Center is currently the only medical center in Sacramento to have earned the recognition.

2019 Beacon Award for Excellence

UC Davis Children's Hospital Pediatric and Cardiac Intensive Care Unit (PICU/PCICU) received the Silver-Level Beacon Award for Excellence from the American Association of Critical Care Nurses (AACN). The significant milestone showcases units that have met AACN's rigorous certification process, designed to ensure

a commitment to nursing excellence, building strong relationships between patients, and improving outcomes and overall patient care satisfaction.

Nurses join CANDLE Collaborative

To improve discharge care delivery for families and caregivers of children with special health needs, UC Davis Children's Hospital is one

quality improvement activities. Pediatrics nurse manager Angie Marin is leading our hospital's efforts in the care delivery collaborative.

Support U promotes healing, compassion

In 2019 nurse educator Michelle Linenberger successfully launched the Support U Peer Responder Program, a safe and confidential peer-

Only about 8 percent of hospitals in the nation carry Magnet® designation, and UC Davis Medical Center is currently the only medical center in Sacramento to have earned the recognition.

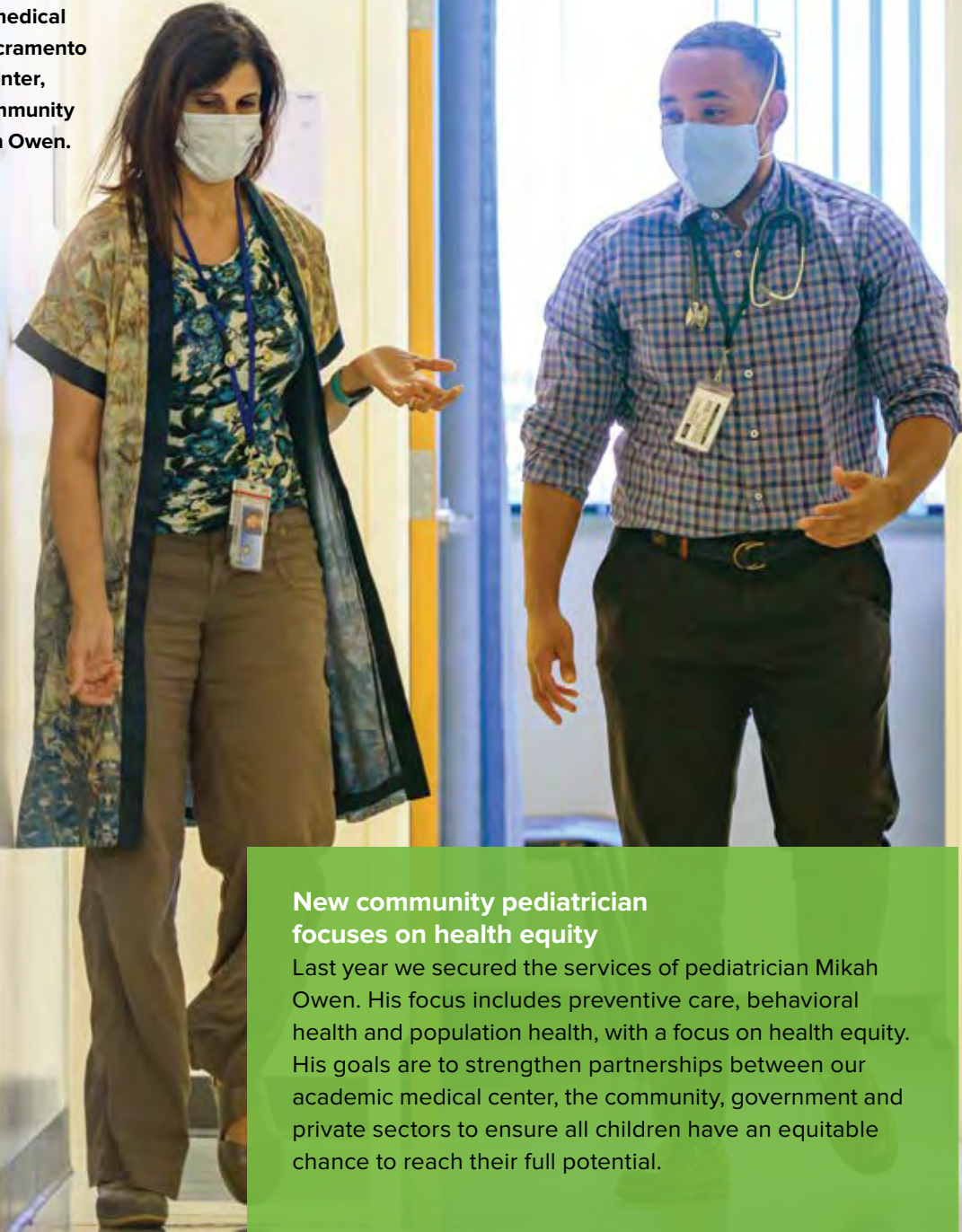
of eight California children's hospitals participating in Phase II of California-based Nurse-led Discharge Learning (CANDLE) Collaborative. Phase II, guided by a national advisory committee, aims to improve discharge planning and implement tools and measures to promote similar

to-peer support program that helps caregivers experiencing trauma or stress from an adverse care experience. Support U has positively been a part of our relationship-based culture, and has created safe environments for staff, increased employee wellness, and enhanced patient care.



Nurse Amy Delacruz with pediatric patient Amie Sesay.

Susmita Mishra, medical director of the Sacramento County Health Center, with UC Davis community pediatrician Mikah Owen.



New community pediatrician focuses on health equity

Last year we secured the services of pediatrician Mikah Owen. His focus includes preventive care, behavioral health and population health, with a focus on health equity. His goals are to strengthen partnerships between our academic medical center, the community, government and private sectors to ensure all children have an equitable chance to reach their full potential.

COMMUNITY OUTREACH

New telehealth services for 14 counties

UC Davis Health entered into a new agreement to provide pediatric telehealth services to the 14 Northern California counties that Partnership HealthPlan of California (PHC) serves, from Del Norte to Yolo. The nonprofit, community-based public health organization contracts with the State of California to administer Medi-Cal benefits through local care providers. The new arrangement offers more than 15 subspecialties as part of a goal to create a “virtual children’s hospital” for Northern California children.

CAARE’ing for juvenile trauma survivors

The UC Davis CAARE (Child and Adolescent Abuse Resource and Evaluation) Center, a nationally recognized program for the evaluation and treatment of child maltreatment, recently received a three-year grant

from the Sacramento County Public Defender’s Office to provide services for a Juvenile Trauma Response Court in Sacramento County. Children and young adults will now benefit from clinical assessments, case management, psychological testing, consultation and trauma treatment.

Supporting Ladies First

UC Davis Health entered into a new partnership with Street Soccer USA (SSUSA) and the California Storm Women’s Premier Soccer League Club to create the Ladies First Initiative. The initiative provides young girls and women living in Sacramento’s underserved communities a chance to play sports, cultivate positive relationships, build self-confidence, and develop leadership skills. Ladies First currently offers an after-school soccer program in Sacramento’s Oak Park community and a mentorship program run by California Storm and SSUSA.

UC Davis’ new community pediatrician works to ensure all children in our region have an equitable chance to reach their *full potential.*

COVID-19 webinars help community hospitals

The Pediatric Acute Care Education Sessions (PACES) program offers free peer-to-peer virtual webinars and roundtable discussions to support clinicians caring for pediatric patients at rural community hospitals. The sessions provide education and clinical guidelines for a wide range of topics, such as treatment of pediatric patients with COVID-19; multisystem inflammatory syndrome in children; and physician morale and wellness.

First vice-chair of community engagement

Serena Yang joined UC Davis Children’s Hospital this year as chief of general pediatrics and is our first vice-chair of community engagement.

PHILANTHROPIC SUPPORT

Deftones 'Adopt-a-Dot' campaign

The Grammy Award-winning band Deftones launched a philanthropic campaign last September called 'Adopt-a-Dot' based on their new album, Ohms. The cover art, created by Frank Maddocks, featured thousands of pixelated dots, and fans were

The Grammy Award-winning band Deftones launched a philanthropic campaign last September called 'Adopt-a-Dot' based on their new album, Ohms.

able to make a charitable donation for one, or multiple dots. Proceeds went to UC Davis Children's Hospital music therapy program and Live Nation's 'Crew Nation,' a global relief fund for live music crews who have been impacted by COVID-19.

Children's Miracle Network Hospitals Child Champion

UC Davis Children's Hospital is a proud member of the Children's Miracle Network Hospitals (CMN), an international nonprofit dedicated to raising funds for, and awareness of, children's hospitals. Donations create miracles by

funding medical care, research, equipment and programs that save and improve the lives of our children, including this year's Sacramento Children's Miracle Network child champion Isabella Lazzerini.

Isabella was born with VACTERL association and isolated hemihypertrophy, and was transferred to UC Davis

Children's Hospital for heart surgery when she was just a few days old. She is now a happy little girl who loves to sing, play soccer, dance, ride horses and practice gymnastics. Every year, 170 Children's Miracle Network Hospitals identify a "champion" in each of their communities to serve as the face for children treated at their local children's hospital.

Nurses raise funds for Make-A-Wish

Pediatric hematology-oncology nurses took part in the first Make-A-Wish Trailblaze Challenge, an endurance hike to help Make-A-Wish Northeastern California & Northern Nevada grant wishes to children with critical illnesses in their region. Kendra Teetsle, Janeen Robinson and Deborah Woods raised \$16,375, which will support the wishes of UC Davis Children's Hospital Make-A-Wish patients.



\$58,500

Donut Dash raises funds for Child Life

This year's 12th annual Donut Dash raised \$58,500 for the UC Davis Child Life and Creative Arts Therapy Department. Donut dashers ran four miles, stopping at the two-mile mark to eat four doughnuts (or six doughnut holes) at Marie's Donuts, before racing to the finish line. The funds raised have been used to purchase video games, iPad's, art supplies, games, toys and more for our hospitalized children.

PATIENT-CENTERED CARE

Minimizing the trauma and anxiety of hospitalization

Our Child Life and Creative Arts Therapy Department and compassionate staff work hard to minimize trauma and anxiety for our patients and allow them to continue typical growth and development. This year we continued to offer a wide variety of support services and activities, including a new initiative called Comfort Commitment.

Genetic testing for critically ill newborns

In 2019, UC Davis Children's Hospital became the fifth hospital statewide to join Project Baby Bear, the first California state funded program to offer rapid whole genome sequencing for critically ill newborns. The \$2 million Medi-Cal pilot program provides genome testing for babies who are hospitalized in intensive care and suspected of having a genetic disorder.

New pediatric pain team

Pediatric pain patients and their families can now receive help from an interdisciplinary team of pain consultants who focus more on a collaborative and holistic approach. Funded by a Children's Miracle Network grant, the team is comprised of physical and occupational therapists, palliative care specialists, child life and creative arts therapists, and a pain medicine psychologist who provide guidance on pain management and therapeutic options such as refocusing techniques, comfort positions and creating a calming environment.

Baby-Friendly Hospital designation

UC Davis Medical Center has earned the highly prestigious Baby-Friendly designation by Baby-Friendly USA, demonstrating adherence to the highest standards of breastfeeding care built on evidence-based practices recommended by the World Health Organization (WHO) and the United Nations International Children's Emergency Fund (UNICEF).

In 2020 our children's hospital was chosen as one of 21 study sites for I-PASS, a multi-site effort to standardize provider handoffs, with a focus on *improving patient safety*.



Nurse Kaela Beckley with NICU patient Cassie Sanchez.

Gold safe sleep champion

UC Davis Children's Hospital was recognized in 2020 by the National Safe Sleep Hospital Certification Program as a gold safe sleep champion for its commitment to best practices and education on infant safe sleep. The National Safe Sleep Hospital Certification Program was created by Cribs

for Kids®, the only national infant safe sleep organization.

I-PASS increases patient safety

In 2020 our children's hospital was chosen as one of 21 study sites for I-PASS, a multi-site effort to standardize provider handoffs, with a focus on improving patient safety.

Led by Jessica Witkowski, and pediatrics nurse manager Angie Marin, the team trained doctors and nurses on quality of communication and how to better integrate patient families in all aspects of daily decision making. Results showed improvement in both patient safety and the patient family experience.



“In our minds,
UC Davis Children’s
Hospital is the best
care you can get.”

Amanda and Angela Boucher, whose
high-risk triplets — Myka, Asher and
Elliotte — were successfully delivered
at UC Davis Children’s Hospital during
a global pandemic.

By the numbers

The Central Valley’s only
level I pediatric trauma
center, with **104,921 clinic
visits, 6,596 hospital
admissions and 13,378
emergency department
visits** per year.



The West Coast’s first level I children’s surgery center

as verified by the American College
of Surgeons, with **4,610** children’s
surgeries this year.



**Nationally ranked
in 4 specialties:**
neonatology, nephrology,
orthopedics and urology

120

physicians

across more than
30 subspecialties
(the region’s greatest
diversity of pediatric
subspecialties)



Designated children’s hospital beds

- Neonatal Intensive Care Unit (NICU) – **49**
- Pediatric and Cardiac Intensive Care Unit (PICU) – **24**
- General Pediatrics – **48**
- Pediatric Emergency Department – **14**
- Children’s Surgery Center – **6** operating rooms,
1 procedure room, **24** pre-op/post-op beds


850 members of our
all-R.N. nursing staff have been
trained to care for children



- Granted **Magnet®** recognition status by
the American Nurses Credentialing Center
- **90%** of UC Davis nurses hold a B.S.N.
degree or higher
- **17%** hold advanced degrees
- **58%** of UC Davis nurses have obtained a
specialty certification through the American
Nurses Credentialing Center



Provides care for children
in **33 counties**, covering
65,000-square-miles,
with over **2,679** transfers
accepted from referring
institutions.



“Our experiences
with cardiology,
neurology,
gastroenterology
and physical
therapy have been
positive. The staff
are so empathetic.
They’ve always
had Damian’s *best
interest at heart.*”

Beatriz Gonzalez, whose son
Damian Del Rio has been a
UC Davis Children’s Hospital
patient since he was two years old.

The background of the page is white and features several colorful plastic rings in red, blue, yellow, green, and orange. One green ring has a yellow pin inserted through it, and it is resting on a small white square base. The rings are scattered across the page, with some appearing in the top left, top right, middle, and bottom right areas.

Contact Information

Referrals/Transfers 800-UCD-4-KIDS (800-823-4543)

Clinical Telehealth Program 877-430-5332

Regional Affiliations and Outreach 916-734-0558 or 916-734-0750

Continuing Medical Education 916-734-5352

Center for Professional Practice of Nursing 916-734-9790

Giving and Donations 916-734-9400

24-Hour Hospital Operator 916-734-2011

children.ucdavis.edu