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SECTOR UPDATES

# U.A.E. Collaboration and Participation in U.S. Healthcare

OCT 2021

**BUSINESS COUNCIL REPORT**



U.S.-U.A.E. Business Council  
**usuaebusiness.org**

## **The U.S.-U.A.E. Business Council**

is the premier business organization dedicated to advancing bilateral commercial relations. By leveraging its extensive networks in the U.S. and in the region, the U.S.-U.A.E. Business Council provides unparalleled access to senior decision makers in business and government with the aim of deepening bilateral trade and investment.

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## INTRODUCTION

The U.A.E.'s involvement in the U.S. healthcare sector is longstanding, deep, and multifaceted, spanning medical treatment, education, research, and philanthropy. Prominent U.S. medical institutions have provided world-class care to patients from the U.A.E., as demonstrated by the treatment of the U.A.E.'s founding father, His Highness Sheikh Zayed bin Sultan Al Nahyan, at some of the most prestigious hospitals in the United States. In addition, Emirati medical students, researchers, doctors, and healthcare executives have come to the United States for training and research. Moreover, through partnerships and philanthropic support, the U.A.E. has worked with U.S. hospitals to enhance care and advance cutting-edge research. While the Covid-19 pandemic has disrupted international patient care, it has also created new opportunities for collaboration as both countries intensify their focus on healthcare and the potential for bilateral cooperation in this vertical.

The second edition of this study, which was first released in 2019, surveys U.S. healthcare institutions and their important U.A.E. collaborations and partnerships inside the United States. As such, in its focus on the U.S. healthcare market, it complements the U.S.-U.A.E. Business Council's annual report on the [U.A.E. Healthcare Sector](#), which is released every year in conjunction with Arab Health in Dubai and highlights some of the work U.S. healthcare institutions are doing in the U.A.E. In so doing, this publication seeks to facilitate further U.A.E. involvement in the U.S. healthcare sector by providing information about leading U.S. hospitals, and successful case studies of bilateral cooperation.



*Pictured: Johns Hopkins' Sheikh Zayed Tower (left) in Baltimore, which the U.A.E. supported through a philanthropic gift*



## COVID-19 RELIEF

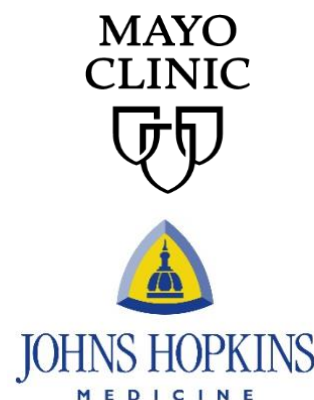
With the COVID-19 pandemic blindsiding governments around the world, the U.A.E. distinguished itself for its effective response, both at home and abroad. The U.A.E. quickly shored up its public health situation domestically through mass testing, vaccinations, and sound public policies. The U.A.E. also leveraged its key geographic location and world-renowned logistics infrastructure to help countries around the world deal with the pandemic through two public-private institutions dedicated to COVID-19 relief: the HOPE Consortium and the Dubai Vaccine Logistics Alliance.

The United States was one recipient of U.A.E. assistance. On April 23, the White House announced that the U.A.E. will donate coronavirus test kits to the United States. Additionally, the U.A.E. helped launch one of the largest COVID-19 testing sites in Las Vegas, thanks to a donation of more than 200,000 testing kits.

Moreover, the U.A.E.'s Ambassador to the United States, Youssef Al Otaiba, helped support Feed the Fight, an organization dedicated to the distribution of meals to health care workers and first responders. He supported Good Food Markets, which was providing groceries to Washington D.C. residents in need. In addition, the Ambassador and his wife Abeer provided support to Chef Jose Andres's World Central Kitchen, which distributed packaged fresh meals to communities deeply affected by the pandemic and subsequent lockdown.

## MEDICAL CARE

Every year, hundreds of Emirati adults and children come to hospitals all across the United States to receive medical care. That is because the U.S. is home to many of the world's leading healthcare institutions. Mayo Clinic, Stanford Medicine, Johns Hopkins Hospital, Cleveland Clinic, NewYork-Presbyterian Hospital, UCLA Health, Brigham and Women's Hospital, and Houston Methodist, for instance, are not just among the top-20 hospitals in the United States, according to the authoritative U.S. News and World Report rankings, but also among the best hospitals in the world. As such, they attract a large number of Emirati patients seeking quality and sophisticated care.



**2021-22 U.S. News and World Report Best Hospitals Honor Roll**

1. Mayo Clinic, Rochester, Minnesota.
2. Cleveland Clinic.
3. UCLA Medical Center, Los Angeles.
4. Johns Hopkins Hospital, Baltimore.
5. Massachusetts General Hospital, Boston.
6. Cedars-Sinai Medical Center, Los Angeles.
7. New York-Presbyterian Hospital-Columbia and Cornell, New York.
8. NYU Langone Hospitals, New York.
9. UCSF Medical Center, San Francisco.
10. Northwestern Memorial Hospital, Chicago.

Emirati patients also turn to U.S. hospitals because they offer certain types of specialized care that, in some cases, are not available in the U.A.E. For instance, the U.A.E. turns to



Cleveland Clinic for its best-in-class capabilities in cardiology & heart surgery; Johns Hopkins for its leading offerings in geriatrics, neurology & neurosurgery, and rheumatology; and Mayo Clinic for its world-renowned care in diabetes & endocrinology, ear, nose & throat, gastroenterology & gastroenterologic surgery, nephrology, and urology.

**2021-22 U.S. News and World Report Best Hospitals by Specialty**

- Cancer – MD Anderson
- Cardiology and Heart Surgery – Cleveland Clinic
- Diabetes and Endocrinology – Mayo Clinic
- Ear, Nose, and Throat – Memorial Sloan Kettering Cancer Center
- Gastroenterology & GI Surgery – Mayo Clinic
- Geriatrics – Mount Sinai Hospital
- Gynecology – Mayo Clinic
- Neurology & Neurosurgery – UCSF Medical Center
- Ophthalmology – Bascom Palmer Eye Institute
- Orthopedics – Hospital for Special Surgery
- Psychiatry – Johns Hopkins Hospital
- Pulmonology & Lung Surgery – Mayo Clinic
- Rehabilitation – Shirley Ryan AbilityLab
- Rheumatology – Johns Hopkins
- Urology – Mayo Clinic

Indeed, each of the leading U.S. hospitals differentiates itself from its peers by providing unique offerings in certain areas, creating a wide variety of options for Emirati patients. For instance:

- **Baptist Health** – cancer, neurology & neurosurgery, pulmonology & lung surgery
- **Baylor St. Luke's** – neurology & neurosurgery, cardiology & heart surgery, and gastroenterology & GI surgery
- **Brigham & Women's** – cancer, gynecology, rheumatology, nephrology, and cardiology & heart surgery
- **Cedars-Sinai** – gastroenterology & GI surgery, cardiology & heart surgery, orthopedics, pulmonology & lung surgery, and gynecology
- **Dana-Farber Cancer Institute** – cancer
- **Houston Methodist** – gastroenterology & GI surgery, nephrology, orthopedics, and cardiology & heart surgery
- **Indiana University Health** - pediatric urology, pediatric cardiology & heart surgery, neonatology,
- **NewYork-Presbyterian** – cardiology & heart surgery, gynecology, rheumatology, neurology & neurosurgery, psychiatry, nephrology, diabetes & endocrinology, geriatrics, and urology
- **Penn Medicine** – ear, nose, & throat, gynecology, cancer, and cardiology & heart surgery
- **Stanford Medicine** – neonatology, pediatric nephrology, and pediatric pulmonary & lung surgery
- **UChicago Medicine** – gastroenterology & GI surgery



Indiana University Health



#### 2021-22 U.S. News and World Report Best Children's Hospitals Honor Roll

1. Boston Children's Hospital
2. Children's Hospital of Philadelphia
3. Texas Children's Hospital, Houston
4. Cincinnati Children's Hospital Medical Center
5. Children's Hospital Los Angeles
6. Children's Hospital Colorado, Aurora
7. Children's National Hospital, Washington, D.C.
8. Nationwide Children's Hospital, Columbus, Ohio
9. UPMC Children's Hospital of Pittsburgh
10. Lucile Packard Children's Hospital Stanford, Palo Alto, Calif.

Adults are not the only Emiratis turning to the U.S. for world-class healthcare; Emirati children also receive treatment at leading U.S. children's hospitals. For instance, they have turned to Children's Hospital of Philadelphia (CHOP) for its offerings in pediatric cancer, diabetes & endocrinology, orthopedics, and pulmonology & lung surgery. They have turned to Children's National Hospital for neonatology, neurology & neurosurgery, nephrology, cancer, and pulmonology & lung surgery. Or, they have turned to Nationwide Children's – one of the largest children's hospitals in the country – for care in cancer, neurology & neurosurgery, orthopedics, and urology. Finally, they have turned to Boston Children's for its expertise in neurology, neurosurgery, and urology.



#### **2021-2022 U.S. News and World Report Best Children's Hospitals by Specialty**

- Cancer – Children's Hospital of Philadelphia
- Cardiology and Heart Surgery – Texas Children's Hospital
- Diabetes and Endocrinology – Children's Hospital of Philadelphia
- Gastroenterology & GI Surgery – Children's Hospital Colorado
- Neonatology – Children's National Hospital
- Neurology & Neurosurgery – Boston Children's Hospital
- Orthopedics – Children's Hospital of Philadelphia
- Pulmonology & Lung Surgery – Boston Children's Hospital
- Urology – Boston Children's Hospital

At the same time Emiratis receive best-in-class medical care at U.S. hospitals, they also benefit from a holistic patient experience. When Emiratis travel to the United States for medical care, these patients tend to stay for lengthy periods and bring their families. Hospitals have catered for this by providing or facilitating special services including visa assistance, VIP medical transportation by road and air, luxury accommodation, and high-end concierge services.

At the same time, American hospitals have worked to make Emirati patients feel supported by providing them with interpreters, Imams, and culturally appropriate care. The University of Chicago, for instance, is home to an Initiative on Islam and Medicine. This center for study and dialogue at the



intersection of the Islamic tradition and biomedicine helps provide UChicago Medicine with evidence-based, culturally-tailored healthcare services and interventions.<sup>1</sup>

The U.A.E. Embassy in Washington, D.C. has historically played a critical role in coordinating and facilitating the provision of medical care for Emirati patients in the United States. In conjunction with U.A.E. entities like the Ministry of Defense, Department of Health Abu Dhabi (DOH), and Dubai Health Authority (DHA), the Embassy works to ensure Emirati patients receive the best possible care at U.S. institutions.

That said, the U.A.E. is constantly working to optimize and streamline the manner in which Emiratis receive international medical care. As such, there have been changes over the years in the way in which some U.A.E. government entities interact with U.S. hospitals by enabling more direct engagement.

Notably, in early 2018, U.A.E. Ambassador to the U.S. His Excellency Yousef Al Otaiba signed agreements with leaders from several top American hospitals on behalf of the U.A.E. Government and Department of Health – Abu Dhabi. The hospitals included Brigham and Women’s Hospital, Dana Farber Cancer Institute, The Cleveland Clinic Foundation, University of Chicago Hospitals, Children's Hospital of Philadelphia, Children’s National Medical Center, Cincinnati Children’s Hospital Medical Center, Shirley Ryan AbilityLab, and Johns Hopkins Hospital.<sup>2</sup>



Since then, Ambassador Al Otaiba signed a similar agreement to ensure access to healthcare and logistical support for designated Emirati patients with Children's National in November 2018.<sup>3</sup> Moreover, in March 2019, the U.A.E. Embassy signed a Medical Services Agreement with NewYork-Presbyterian Hospital. The latter agreement provides access to care and logistical support for designated Emirati patients at NewYork-Presbyterian Hospital’s seven campus academic medical centers, making it one of their leading healthcare providers.

The expansion and improvement of the U.A.E.’s healthcare sector has impacted and will continue to impact the total flow of Emirati patients to the United States. Indeed, in 2015, the U.A.E.’s Mubadala Investment Company and the U.S.-based Cleveland Clinic Foundation opened a 364-bed (expandable to 490-bed) multidisciplinary, physician-led hospital to bring an unparalleled level of specialized care to the heart of Abu Dhabi and the wider Gulf region. Then, in 2020, the Abu Dhabi Health Services Company (SEHA) and Mayo Clinic jointly launched Sheikh Shakhbout Medical City (SSMC), a 741-bed hospital designed to provide specialty care across a range of clinical practices in Abu Dhabi. The Covid-19 pandemic has not just upended international patient care in the short term but also reinforced the U.A.E.’s conviction to develop its local healthcare capacity.





*Pictured: Cleveland Clinic Abu Dhabi*

That said, while U.A.E. residents are increasingly seeking care at local institutions as they continue to provide ever-more comprehensive care, there will always be a need for Emiratis to come to the U.S., particularly for highly specialized care.

### **C3 US-Arab Healthcare & Business Summit**

Every September, the latest developments in international patient care and U.S.-Arab healthcare partnerships are discussed at the C3 US-Arab Healthcare & Business Summit in New York. The annual event, which began in 2012, assembles business leaders, policy makers, educators, and healthcare professionals from the Arab world and the United States for a day of meaningful engagement.<sup>4</sup>



## **MEDICAL EDUCATION AND RESEARCH**

In addition to turning to the U.S. for best-in-class medical treatment, the U.A.E. has turned to leading U.S. hospitals to build local capacity and train the next generation of Emirati doctors, nurses, researchers, and medical administrators. As such, Emirati universities, hospitals, and healthcare entities collaborate with a variety of different hospitals throughout the United States.

### **Medical training and observerships**

Mayo Clinic has long hosted Emirati doctors and medical students for specialized medical training, including through a joint program of the Scholarship Office at the Ministry of Presidential Affairs and the Khalifa Bin Zayed Al Nahyan Foundation, and the Mohammed Bin Rashid University of Medicine and Health Sciences (MBRU)'s Summer Scholars Program. Mayo Clinic has also hosted physicians from the American Hospital in Dubai, a member of the Mayo Clinic Care Network.

Moreover, the Washington, D.C.-based Children's National Hospital provides four training positions to Emirati physicians during their clinical and trial rotations. Each year, it also provides work experience to a number of Emirati students from U.A.E. University, Higher Colleges of Technology, and Khalifa University. Children's National Hospital continues executing the Visiting Physicians Program and research collaborations through the Ministry of Health and Prevention (MOHAP) as part of a longstanding agreement between the two institutions.

Additionally, the Children's Hospital of Philadelphia (CHOP), in cooperation with SEHA, remains committed to the advancement of in-country pediatric clinical capability through medical education and training. CHOP does this in part, for example, by entering an Emirati national matched medical student graduate into its three-year Pediatric Residency Program on an annual basis.

Notably, in July 2019, five female Emirati medical students from Fatima College of Health Sciences took part in training programs at CHOP and the Hospital of the University of Pennsylvania, of which Penn Medicine is a part.<sup>5</sup> For Penn Medicine, the aim of this nursing observation program is to help increase the number of Emiratis working in healthcare. The overarching goal is to have these students observe the roles and responsibilities nurses have in research, and to showcase the autonomy of nursing in America.

In Boston, Brigham & Women's Hospital Department of Surgery offers a summer internship to eligible students from Mohammed bin Rashid University of Medicine and Health Sciences, providing students an opportunity for hands-on research and clinical observation in a leading academic medical center.

Other notable observerships include:

- A special Cleveland Clinic Abu Dhabi program allows qualified U.A.E. medical students to spend a year in Cleveland for a structured sub-internship.

## Medical research

In recent years, Emirati researchers have conducted research in the United States through partnerships with leading medical institutions.

For instance, Children's National, through its Sheikh Zayed Institute for Pediatric Surgical Innovation, has conducted over 40 research projects in bioengineering, immunology, molecular biology, and pain medicine. In this vein, the hospital has also taken part in eight joint research projects with U.A.E. institutions including Al Qassimi Hospital and Khalifa University.



*Dr. Kurt Newman, President and CEO of Children's National*

In July 2019, another children's hospital, Cincinnati Children's, welcomed Dr. Shireen Mreish from Tawam University as a Clinical Fellow in its Cancer and Blood Diseases Institute. Additionally, Dr. Najla Aljaberi, from UAE U.A.E. University, joined Cincinnati Children's team in 2014 as a resident and is now a Clinical Fellow in its Division of Rheumatology. Both are in ACGME-accredited training programs.

Emiratis have also contributed to medical research at specialized U.S. hospitals. In December 2016, an Emirati researcher, Dr. Humaid Al Shamsi, who is an Assistant Professor at the MD Anderson Cancer Center at the University of Texas, was the primary investigator in the identification of a rare subtype of colon cancer. The discovery was the result of collaboration between the Sheikh Khalifa Bin Zayed Al Nahyan Institute for Personalized Cancer Therapy at MD Anderson and Mayo Clinic, with research support from the Khalifa Bin Zayed Al Nahyan Foundation.



These partnerships in medical education, training, and research further strengthen the U.S.-U.A.E. bilateral relationship and enable U.A.E. hospitals and healthcare entities to then use these skills and knowledge to further improve the quality of healthcare in the U.A.E. and benefit the population of the U.A.E. and broader Gulf region.

## PHILANTHROPY

In the past decade, U.A.E. entities and private citizens have given generously to U.S. hospitals, healthcare foundations, and charities, both as gifts and to fund particular initiatives.

### Gifts to hospitals

The U.A.E.'s relationship with Children's National Hospital extends beyond treatment – it is a partnership to advance pediatric care through research and innovation. In 2019, the U.A.E. made a generous gift to support the new Children's National Research & Innovation Campus, a global hub for pediatric discovery. The gift will support development of the one-of-a-kind complex, which will host researchers, universities, companies, and a rare disease institute, all working collaboratively to find solutions for some of childhood's most challenging diseases and conditions. Children's National will recognize the U.A.E.'s generosity by naming the main atrium of the Research & Innovation Campus for the late Sheikh Zayed bin Sultan Al Nahyan. The official grand opening of the campus will take place in Fall 2021.

This gift is part of a larger philanthropic relationship between Children's National and the U.A.E. which first started in 2009 when the U.A.E. funded the creation of the Sheikh Zayed Institute for Pediatric Surgical Innovation at Children's National. Since 2009, the U.A.E.'s generosity has yielded \$180 million for health advances that have benefitted thousands of children and families.<sup>6</sup> Moreover, the hospital has also received other generous contributions from U.A.E. entities and individuals in the past decade including \$10.7 million raised by U.A.E. Ambassador H.E. Yousef Al Otaiba and his wife Abeer Al Otaiba as co-chairs of the Children's National 2014 ball in Washington, D.C.



*Pictured: From L to R: Johns Hopkins University President Ronald J. Daniels; Philanthropist, Johns Hopkins Alumnus, and Former New York City Mayor Michael R. Bloomberg; U.A.E. Ambassador Yousef Al Otaiba; Dean of Johns Hopkins University Medical Faculty and CEO of Johns Hopkins Medicine Paul Rothman at the Sheikh Khalifa Stroke Institute launch event in February 2018*

In February 2018, the U.A.E. Embassy in Washington, D.C. and Johns Hopkins Medicine announced a new institute for stroke research and clinical care. The Sheikh Khalifa Stroke Institute, established through a \$50 million gift from the U.A.E., will feature facilities in Baltimore and Abu Dhabi. The Institute will enable Johns Hopkins scientists to collaborate with their Emirati colleagues, training a workforce of biomedical researchers in the U.A.E.<sup>7</sup>

The U.A.E.'s latest gift is part of an ongoing relationship with the Maryland-based hospital. Indeed, in 2007, His Highness President Sheikh Khalifa bin Zayed Al Nahyan made a generous gift to support the construction of The Johns Hopkins Hospital's new cardiovascular and critical care tower in Baltimore.<sup>8</sup> The Sheikh Zayed Tower, which opened in 2012, offers a full range of cardiovascular services and has 355 private inpatients rooms, including: 224 acute care rooms, 96 intensive care rooms and 35 obstetrics rooms.<sup>9</sup>

MD Anderson has also partnered with the U.A.E. In 2011, the U.A.E.'s Khalifa Bin Zayed Al Nahyan Foundation announced a \$150 million grant to Houston-based MD Anderson to support the Sheikh Zayed Bin Sultan Al Nahyan Building for Personalized Cancer Care.<sup>10</sup> The 12-floor, 628,652-square-foot building was dedicated in 2016.<sup>11</sup>

### **Rebuilding healthcare institutions**

The U.A.E. has also helped local communities in the United States rebuild their healthcare infrastructure in the wake of natural disasters. For instance, after the deadly 2011 tornadoes in Joplin, Missouri, the U.A.E. gave Mercy Hospital \$5 million to create an entire floor dedicated to pediatric care featuring the hospital's first ever neonatal intensive-care unit.<sup>12</sup>

More recently, in August 2018, a little over a year after Hurricane Irma, the U.A.E. donated \$900,000 to the Jacksonville, Florida-based Sulzbacher Center, an organization fighting homelessness. The funds were to be used by the organization to design and build two multi-service mobile medical clinics that will provide primary care, hygiene, and mental health services to homeless individuals.<sup>13</sup>

Similarly, in January 2019, the U.A.E. granted \$6.5 million to the Greater Houston Community Foundation to help with Hurricane Harvey recovery efforts. Part of these funds were to be used to expand Houston Health Department services. Indeed, the Houston Health Department was to receive approximately \$1.1 million to expand the Pediatric Asthma in the Home Stretch Program to three more schools in Houston, test children for blood lead poisoning, and create the Children's Environmental Health Mobile Unit. Funds granted by the U.A.E. were to support staffing, school stipends, testing supplies, lab services, and the creation and maintenance of the mobile unit.<sup>14</sup>



## Promoting healthy lifestyles

The U.A.E. has also been active in raising awareness about diseases and promoting healthy lifestyles in the United States.

Throughout the years, the U.A.E. Embassy in Washington, D.C. has regularly partnered with The Susan G. Komen Foundation to raise awareness of breast cancer and facilitate more effective outcomes in its prevention and treatment. The Embassy repeatedly participated in the Susan G. Komen Race for the Cure in Washington, D.C. as an official sponsor.<sup>15</sup> In 2017, the U.A.E. also funded the translation of the World Cancer Atlas into Arabic, a comprehensive guide which consolidates research from 185 countries, outlining the global cancer landscape. In partnership with the American Cancer Society, the U.A.E. Embassy hosted an event in Washington, D.C. to celebrate the launch of the publication.<sup>16</sup>



*Pictured: U.A.E. Ambassador H.E. Yousef Al Otaiba speaks at the launch of the Cancer Atlas in Arabic*

The Embassy has also partnered with New York Road Runners on its annual U.A.E. Healthy Kidney 10K race in New York City.<sup>17</sup> The race, launched in 2005, promotes awareness of kidney health and kidney disease, and has raised more than \$200 million since its inception for the U.S.-based National Kidney Foundation. The U.A.E.-sponsored event was launched after Sheikh Zayed Bin Sultan Al-Nahyan, the Founding Father of the U.A.E., had a kidney transplant at Cleveland Clinic in 2000.



*Pictured: Participants at the start of the 2019 U.A.E. Healthy Kidney 10K race in New York City*

Meanwhile, since 2016, the U.A.E. Consulate in Los Angeles has been the presenting sponsor of the annual Thanksgiving Day Turkey Trot distance run, which attracts over 5,000 runners. This popular community event brings together thousands of runners to raise money for the Midnight Mission, a charitable organization working to tackle the challenge of homelessness in Los Angeles including through the promotion of healthy and active lifestyles.<sup>18</sup>

### **The U.S. Cooperative for International Patient Programs (USCIPP)**

The US Cooperative for International Patient Programs, or USCIPP, is a consortium of approximately 60 US academic medical centers and health systems that all share a focus on treating international patients as well as collaborating with international hospitals and clinics, governmental agencies abroad, and other global partners. Representing the majority of US hospitals with active international programs, USCIPP's organization members include many of the country's preeminent institutions of medicine. USCIPP's parent entity, the National Center for Healthcare Leadership, is a Chicago-based 501(c)(3) nonprofit organization dedicated to advancing healthcare leadership and organizational excellence by building diverse, inclusive, and collaborative relationships in the US and abroad.



## OUTLOOK

Providing world-class healthcare is one of the six pillars of the U.A.E.'s national agenda, or Vision 2021.<sup>19</sup> As such, in the coming years, the U.A.E. will continue to focus on building out its own healthcare infrastructure. This will provide both challenges and opportunities for U.S. hospitals.

On the one hand, as the availability of specialized care increases in the U.A.E., there will be less need to send patients to the U.S. for many medical treatments. In its first year, Sheikh Shakhbout Medical City (the aforementioned joint venture between SEHA and Mayo Clinic) completed more than 270,000 outpatient visits, cared for over 19,000 inpatients, and provided emergency care to more than 94,000 patients. Meanwhile, Cleveland Clinic Abu Dhabi continues to expand, with construction of a 9-story, 200,000-square foot tower set for completion in 2022 that will serve as home to its Oncology Institute. This is part of a broader trend whereby the U.A.E. healthcare sector will undoubtedly continue to become more sophisticated and the country will solidify its position as a hub for healthcare in the MENA region. The pandemic's disruption of international pandemic care only accelerated the U.A.E.'s drive and ability to provide care locally.

On the other hand, as the U.A.E. looks to provide increasingly sophisticated care, it will continue to turn to leading U.S. hospitals for advice and best practices. Indeed, the U.A.E. will look to U.S. hospitals to train and educate their medical staff and executives. Moreover, the United States will remain a highly attractive destination for Emirati medical researchers.

At the same time, due to its small population, the U.A.E. will not be able to accommodate all types of medical specialties, even as a regional medical hub. Emiratis will therefore continue to travel abroad, and particularly to the United States, to receive some of the best medical care in the world. As such, opportunities for partnerships with hospitals in the United States in the coming years await.

## SELECT LEADING U.S. HOSPITALS

### Baptist Health South Florida

#### Overview

Baptist Health South Florida is the largest healthcare organization in the region, with 11 hospitals, more than 23,000 employees, 4,000 physicians and 100 outpatient centers, urgent care facilities and physician practices spanning across Miami-Dade, Monroe, Broward and Palm Beach counties. Baptist Health has internationally renowned centers of excellence in cancer, cardiovascular care, orthopedics and sports medicine, and neurosciences. In addition, it includes Baptist Health Medical Group; Baptist Health Quality Network; and Baptist Health Care On Demand, a virtual health platform. A not-for-profit organization supported by philanthropy and committed to its faith-based charitable mission of medical excellence, Baptist Health has been recognized by Fortune as one of the 100 Best Companies to Work For in America and by Ethisphere as one of the World's Most Ethical Companies.

#### Specialties and Special Services

Baptist Health South Florida offers an extensive range of medical and surgical services, supported by innovative technology and renowned Centers of Excellence:

- Miami Cancer Institute is known for its personalized clinical care and research, compassionate patient experience and state-of-the-art technology – including the first proton therapy center in South Florida, Latin America and the Caribbean, and the only radiation oncology program in the world with each of the latest radiation therapies in one place.
- Miami Cardiac & Vascular Institute is the largest and most comprehensive cardiovascular facility in the region with over 25 locations across South Florida. The team of multilingual, multidisciplinary specialists pioneered the development of minimally invasive techniques used to treat aneurysms, blockages in veins and arteries and holes in the heart. It is the first in the United States to use technology developed with Philips that makes it easier for doctors to perform image-guided procedures for heart and vascular disease.
- Miami Orthopedics & Sports Medicine Institute provides comprehensive orthopedic services using innovative technologies and minimally invasive treatments. Experienced physicians offer advanced orthopedic, foot and ankle, trauma, joint replacement, pediatric orthopedic, sports medicine, hand, and spine care. The Institute is also the sports medicine provider for the Miami Dolphins, Miami HEAT, and Florida Panthers amongst others.
- Miami Neuroscience Institute offers comprehensive and compassionate treatment for neurological conditions affecting the brain, spinal cord, and peripheral nervous system.

From non-surgical treatments and minimally invasive procedures to complex brain and spine surgery, the institute embraces a multidisciplinary approach to patient care.

Baptist Health also has one of the largest hospital-based international programs in the United States with more than 13,000 international patient visits at Baptist Health South Florida facilities. Baptist Health International is dedicated to providing comprehensive, high-quality services for international physicians and their patients, including hospital admissions, outpatient medical exams, medical second opinions, and physician consultations, as well as concierge services.

## **Baylor St. Luke's Medical Center**

### **Overview**

Baylor St. Luke's Medical Center is a quaternary care facility that is home of the Texas Heart<sup>®</sup> Institute (THI), a world-class cardiovascular research and education institution founded in 1962 by Denton A. Cooley, MD— ranked as one of the nation's best in Cardiovascular Services & Heart Surgery, Cancer, Neurology & Neurosurgery, Gastroenterology and GI surgery and Geriatrics by the US News & World Report. The first hospital in Texas and the Southwest designated a Magnet<sup>®</sup> hospital for Nursing Excellence five consecutive times by the American Nurses Credentialing Center. Baylor St. Luke's is committed to excellence and compassion in caring for the whole person while creating healthier communities. The Hospital has embarked on a new era in healthcare through a joint venture with Baylor College of Medicine (BCM) that positions the hospital at the forefront of transforming the delivery of healthcare.

### **Specialties and Special Services**

Baylor St. Luke's offers primary and acute care for a variety of diseases and conditions.

Together, Baylor St. Luke's and Texas Heart Institute form one of the largest cardiovascular centers on the globe that offers a full range of specialty heart programs. Since its inception, Texas Heart Institute, has been leading world-class physicians in performing research to better understand the diagnosis and treatment of cardiovascular disease. In addition to being recognized as a leader in Cardiovascular Services & Heart Surgery, Baylor St. Luke's also is known for spearheading breakthroughs in other specialties.

The Dan L Duncan Cancer Center at Baylor St. Luke's is recognized as a National Cancer Institute (NCI) Comprehensive Cancer Center—the highest possible designation, with programs that demonstrate significant clinical research and state-of-the-art treatments. Baylor St. Luke's offers innovative care for gastroenterology and digestive health. The hospital's board-certified gastroenterologists, surgeons, and specialty trained medical staff



offer comprehensive care for the digestive system, including the esophagus, stomach, liver, pancreas, gallbladder, and intestines.

Baylor St. Luke's takes a comprehensive approach to neuroscience services through the expertise of leading neurologists, neurosurgeons, neuroradiologists, and neurophysiologists.

It's designated a Comprehensive Stroke Center by Det Norske Veritas GL Healthcare, Inc

### **Boston Children's Hospital (BCH)**

#### **Overview**

Boston Children's Hospital is the US News and World Report #1 ranked pediatric hospital in the United States. BCH treats more children with rare diseases and complex conditions than any other hospital in the world. They are the leading recipient of National Institutes of Health pediatric research funding, and we are home to the world's largest pediatric research enterprise. Boston Children's Hospital is the pediatric teaching hospital of Harvard Medical School. The hospital also has a clinical partnership with the Dana-Farber Cancer Institute to research pediatric cancer and blood disorders.

#### **Specialties and Special Services**

In 2021, for the eighth year in a row, Boston Children's Hospital was named the #1 pediatric hospital in the country.

Boston Children's ranked in the top ten in every pediatric specialty surveyed in the US News: #1 in Neurology, Neurosurgery, Pulmonology and Lung Surgery and Urology; #2 in Cancer, Diabetes and Endocrinology, Gastroenterology and GI surgery and Orthopedics; #4 in Cardiology and Heart Surgery; and #7 in Neonatology.

Boston Children's has established 20 Centers of Excellence, providing comprehensive care to the most complex patients. These Centers of Excellence are multidisciplinary teams of specialists that come together to provide patients with collaborative, comprehensive and customized expert care.

### **Brigham and Women's Hospital (BWH)**

#### **Overview**

With more than 800 inpatient beds, approximately 50,000 inpatient stays and 2.25 million outpatient encounters annually, Brigham and Women's Hospital's physicians provide expert care in virtually every medical and surgical specialty to patients locally, regionally and around the world.

An international leader in basic, clinical, and translational research, Brigham and Women's Hospital has nearly 5,000 scientists, including physician-investigators, renowned biomedical researchers and faculty supported by nearly \$700 million in funding. The Brigham's medical preeminence dates back to 1832, and now, with 20,000 employees, that rich history is the foundation for its commitment to research, innovation, and community.

Boston-based Brigham and Women's Hospital is a teaching affiliate of Harvard Medical School and dedicated to educating and training the next generation of health care professionals.

### **Specialties and Special Services**

Brigham & Women's Hospital is home to many services and programs transforming medicine including:

- At the forefront of precision medicine, BWH's Preventive Genomics Clinic provides innovative screening for advancing the prevention, diagnosis, and treatment of diseases and conditions for patients locally and all around the world.
- The Ann Romney Center for Neurologic Diseases fosters novel interdisciplinary collaboration to accelerate the search for and development of new treatments and cures for 5 of the world's most complex neurologic diseases: multiple sclerosis (MS), Alzheimer's disease, ALS (Lou Gehrig's disease), Parkinson's disease, and brain tumors.
- The Advanced Multimodality Image Guided Operating (AMIGO) suite is a state-of-the-art medical and surgical research environment that houses a complete array of advanced imaging equipment and interventional surgical systems.
- The Dana-Farber / Brigham and Women's Cancer Center (DFBWCC) is an NCI-designated Comprehensive Cancer Center for adult cancers. DFBWCC physicians and researchers have helped develop many of the very latest therapies — from harnessing the immune system to targeted therapies based on the genetics of your cancer.

### **Cedars-Sinai Medical Center**

#### **Overview**

Since its inception in Los Angeles in 1902, Cedars-Sinai has evolved to become the largest nonprofit hospital in the western United States — one that's internationally renowned for the best patient care modern medicine has to offer and is continually ranked as one of the top ten hospitals in the U.S. in multiple categories. With pioneering medical research achievements, education programs defining the future of healthcare, and wide-ranging community benefit activities, they're setting new standards for quality and innovation in patient care. Cedars-Sinai are a \$3.5 billion integrated health system, serving more than one million people each year in over 40 locations, with more than 4,500 physicians and nurses and 1,500 research projects in motion.

### **Specialties and Special Services**

Cedars-Sinai is home to many medical centers of excellence including:

- The Smidt Heart Institute is led by a distinguished team of experts who are setting the bar for cardiovascular care in the United States. The program was ranked #3 nationally in the 2021-22 U.S. News & World Report.
- Cedars-Sinai is also a leader in the treatment of more than 150 complex neurological disorders, including Brain Tumors, Cerebrospinal Fluid (CSF) Leak, Movement Disorders, etc.
- Their GI program is ranked #1 in California and #2 in the nation by U.S. News & World Report.
- For orthopedics, Cedars-Sinai are consistently ranked in the top 10 in the nation by U.S. News & World Report.

### **Children's Hospital of Philadelphia (CHOP)**

#### **Overview**

The nation's first hospital devoted exclusively to the care of children, CHOP—since its start in 1855—has been a thought leader in pediatric medicine; its healthcare system, across the region surrounding Philadelphia, Pennsylvania, is comprised of two pre-eminent hospitals, as well as a vast pediatric, primary and specialty, health care network (53 sites). CHOP strives to be a world leader in the advancement of health care for children through integrating its renown clinical programs, groundbreaking research enterprises, professional educational and training programs, and state-of-the-art facilities.

#### **Specialties and Special Services**

CHOP earned the number two top children's hospital spot on the U.S. News and World Report Honor Roll, 2021-2022, with five of the ten reported specialties ranking as number one, two, or three; Oncology, Orthopedics, and Endocrinology and Diabetes were number one.

Moreover, the Department of Pediatrics at CHOP, with the Perelman School of Medicine at the University of Pennsylvania, received the number one designation in U.S. News & World Report again in 2021-2022, as it has for nearly the past decade.

CHOP has achieved the Magnet designation four times, awarded to hospitals demonstrating nursing leadership's alignment across an organization's strategic goals to improve patient outcomes.

## **Children's National Hospital**

### **Overview**

Children's National Hospital, based in Washington, D.C., celebrates 150 years of pediatric care, research and commitment to community. Volunteers opened the hospital in 1870 with 12 beds for children displaced after the Civil War. Today, 150 years stronger, it is among the nation's top 10 children's hospitals. It is ranked No. 1 for newborn care for the fifth straight year and ranked in all specialties evaluated by U.S. News & World Report. Children's National is transforming pediatric medicine for all children. In 2021, the Children's National Research & Innovation Campus opened, the first in the nation dedicated to pediatric research. Children's National has been designated three times in a row as a Magnet® hospital, demonstrating the highest standards of nursing and patient care delivery. This pediatric academic health system offers expert care through a convenient, community-based primary care network and specialty care locations in the D.C. metropolitan area, including Maryland and Northern Virginia. Children's National is home to the Children's National Research Institute and Sheikh Zayed Institute for Pediatric Surgical Innovation. It is recognized for its expertise and innovation in pediatric care and as a strong voice for children through advocacy at the local, regional and national levels.

### **Specialties and Special Services**

Children's National ranked among the top 10 children's hospitals by the U.S. News & World Report for the fifth year in a row, and ranked #1 in neonatology for the fifth consecutive year. Children's National ranked in every specialty, including nine within the top 25, and seven in the top 10 (Neurology & Neurosurgery #3 and best in the mid-Atlantic region; Cancer #5; Nephrology #6; Orthopedics #6; Pulmonology & Lung Surgery #8; Diabetes & Endocrinology #10)

## **Children's Hospital of Los Angeles**

### **Overview**

Founded in 1901, Children's Hospital Los Angeles is the top-ranked freestanding children's hospital on the West Coast and No. 5 in the nation for clinical excellence according to the prestigious U.S. News & World Report Honor Roll of Best Children's Hospitals. Clinical care is led by physician specialists who are faculty members of the Keck School of Medicine of USC through an affiliation since 1932. With more than 350 pediatric specialty programs and services and among the top 10 children's hospitals for National Institutes of Health funding, CHLA leads the field in innovative bench-to-bedside basic, translational and clinical research in pediatrics. CHLA cares for patients across six continents and more than 90 countries, improving the health and well-being of children and their families far beyond U.S. borders.

### **Specialties and Special Services**

The hospital's Center for Global Health supports patients and families traveling from around the world to their top pediatric academic medical center for specialty and complex care needs during their entire care journey, from initial inquiries to appointments and follow-ups, all the way through to their return to their home countries. CHLA's experienced team serves as the single point of contact for international patient families to seamlessly access the hospital and navigate all aspects of their health care experience. The Global Health team helps to facilitate comprehensive, culturally sensitive care and is dedicated to supporting the unique needs of international patients and families. CHLA understands that if a child has a serious health issue, their family will go anywhere to get the best care. The Center for Global Health exists to help make Children's Hospital Los Angeles a home away from home.

### **Children's Hospital of Pittsburgh**

#### **Overview**

Regionally, nationally, and globally, UPMC Children's Hospital of Pittsburgh is a leader in the treatment of childhood conditions and diseases, a pioneer in the development of new and improved therapies, and a top educator of the next generation of pediatricians and pediatric subspecialists. With generous community support, UPMC Children's Hospital has fulfilled this mission since its founding in 1890. UPMC Children's is named consistently to several elite lists of pediatric hospitals, including ranking in nine of the 10 pediatric subspecialties on the prestigious U.S. News & World Report annual Honor Roll of America's Best Children's Hospitals for 2021–2022.

### **Specialties and Special Services**

Some of UPMC Children's key clinical services include the Brain Care Institute, recognized internationally for its diagnosis, treatment, and research into diseases and conditions of the brain and spinal cord; the Heart Institute, ranked #2 in the U.S. by U.S. News & World Report (2021-22); the Center for Rare Disease Therapy, which focuses on treating children with rare diseases as defined by leading standards of care, pioneering protocols, novel therapeutic modalities, and individualized services for optimal outcomes; and the Hillman Center for Pediatric Transplantation, which has performed more transplants in infants and children than any center of its kind, achieving outcomes that are among the best in the world. UPMC Children's also offers a Second Opinion Service that provides access to its full staff of pediatric specialists to help physicians and families determine whether traveling to Pittsburgh for care is a necessary step to take.



## **Cleveland Clinic**

### **Overview**

Cleveland Clinic, located in Cleveland, Ohio, is a nonprofit, multispecialty academic medical center that integrates clinical and hospital care with research and education. Located in Cleveland, Ohio, it was founded in 1921 by four renowned physicians with a vision of providing outstanding patient care based upon the principles of cooperation, compassion and innovation. Cleveland Clinic has pioneered many medical breakthroughs, including coronary artery bypass surgery and the first face transplant in the United States. U.S. News & World Report consistently names Cleveland Clinic as one of the nation's best hospitals in its annual "America's Best Hospitals" survey. Among Cleveland Clinic's 70,800 employees worldwide are more than 4,660 salaried physicians and researchers, and 18,500 registered nurses and advanced practice providers, representing 140 medical specialties and subspecialties. Cleveland Clinic is a 6,500-bed health system that includes a 173-acre main campus near downtown Cleveland, 19 hospitals, more than 220 outpatient facilities, and locations in southeast Florida; Las Vegas, Nevada; Toronto, Canada; Abu Dhabi, UAE; and London, England. In 2020, there were 8.7 million total outpatient visits, 273,000 hospital admissions and observations, and 217,000 surgical cases throughout Cleveland Clinic's health system. Patients came for treatment from every state and 185 countries.

### **Specialties and Special Services**

According to the 2021-22 U.S. News & World Report rankings, Cleveland Clinic ranked No. 2 on the Best Hospitals Honor Roll. It is nationally ranked in 11 adult specialties ranked in with Top 10 rankings. It is ranked #1 for Cardiology and Heart Surgery, #2 for Geriatrics, #2 for Rheumatology, #2 for Urology, #3 for Gynecology, #3 for Gastroenterology & GI Surgery, #5 for Cancer, #5 for Pulmonology & Lung Surgery, #7 for Neurology & Neurosurgery, #7 for Orthopedics and #10 for Ophthalmology. For the 13th consecutive years, Cleveland Clinic Children's is ranked among the nation's top 50 pediatric hospitals.

## **Dana-Farber Cancer Institute**

### **Overview**

For over 70 years, Dana-Farber Cancer Institute has had one goal: to reduce the burden of cancer through advanced clinical care and scientific research. Dana-Farber is committed to a multidisciplinary, compassionate, and collaborative model of care that puts patients and their families at the center of all they do. Care is provided by interdisciplinary teams organized around combating specific types of cancer in all solid tumor and hematologic malignancies, and patients have easy and direct access to the full range of specialists they may need. As a principal teaching affiliate of Harvard Medical School, Dana-Farber is the only hospital named in the top 5 for both adult and pediatric cancer care by U.S. News and World Report. Dana-Farber sees approximately 355,000 outpatient visits per year, and has over 540 faculty including MDs, PhDs and MD/PhDs.

### **Specialties and Special Services**

Dana-Farber is a founding member of the Dana-Farber/Harvard Cancer Center (DF/HCC), a National Cancer Institute (NCI)-designated Comprehensive Cancer Center. DF/HCC harnesses the expertise and resources of Dana-Farber and six other Harvard-affiliated hospitals and research institutions. Dana-Farber Cancer Institute has the most highly cited research of any leading U.S. cancer center and is the top recipient of NCI funding. Over the last ten years, approximately 25% of all FDA-approved cancer drugs in the U.S. were in part developed with Dana-Farber Cancer Institute.

Dana-Farber is also a founding member of the National Comprehensive Cancer Network, an alliance of the world's leading cancer centers working together to develop cancer treatment guidelines and research that improve the quality and effectiveness of cancer care.

### **Houston Methodist**

#### **Overview**

Houston Methodist is one of the United States' leading health systems and academic medical centers. The health system consists of seven hospitals: Houston Methodist Hospital, its flagship academic hospital in the Texas Medical Center, six community hospitals and one long-term acute care hospital serving the Greater Houston metropolitan area. Houston Methodist also includes a research institute with \$153 million in annual research expenditures; a comprehensive medical residency program; international patient services; freestanding comprehensive care, emergency care and imaging centers; and outpatient facilities. Houston Methodist employs more than 26,000 individuals and had more than 1.2 million outpatient visits and more than 120,000 admissions in 2020.

### **Specialties and Special Services**

U.S. News & World Report has named Houston Methodist Hospital the No. 1 hospital in Texas for 10 years in a row and No. 16 in the United States in its most recent ranking. Houston Methodist is nationally ranked in 10 specialties — cancer, cardiology & heart surgery, diabetes & endocrinology, gastroenterology & GI, surgery, geriatrics, gynecology, neurology & neurosurgery, orthopedics, pulmonology & lung surgery and urology — the most in Texas.

Through their expansive network of hospitals, Houston Methodist offers primary and acute care for a variety of diseases and conditions. Their six Centers of Excellence deliver leading-edge care in the areas of cancer, digestive disorders, heart and vascular disease, neurology and neurosurgery, orthopedics and sports medicine, and transplant.

For more than 100 years, Houston Methodist has provided the best — and safest — clinical care, advanced technology and patient experience. That is their promise of leading medicine.

## **Johns Hopkins Medicine (JHM)**

### **Overview**

Johns Hopkins Medicine, headquartered in Baltimore, Maryland, is an \$8.9 billion integrated global health enterprise and one of the leading academic health care systems in the United States. JHM unites physicians and scientists of the Johns Hopkins University School of Medicine with the organizations, health professionals and facilities of The Johns Hopkins Hospital and Health System. JHM's vision, "Together, we will deliver the promise of medicine," is supported by its mission to improve the health of the community and the world by setting the standard of excellence in medical education, research and clinical care. Diverse and inclusive, JHM educates medical students, scientists, health care professionals and the public; conducts biomedical research; and provides patient-centered medicine to prevent, diagnose and treat human illness. JHM operates six academic and community hospitals, four suburban health care and surgery centers, and 40 primary and specialty care outpatient sites under the umbrella of Johns Hopkins Community Physicians. JHM extends health care into the community and globally through Johns Hopkins Home Care Group, Johns Hopkins Medicine International and Johns Hopkins HealthCare.

### **Specialties and Special Services**

Patients from around the globe travel to The Johns Hopkins Hospital, ranked #4 in the United States and #1 in Maryland out of more than 4,600 hospitals reviewed for U.S. News & World Report's 2021–22 Best Hospitals list. The publication also ranked 12 specialties at Johns Hopkins among the top 10 in the nation, with six — Psychiatry; Rheumatology; Ear, Nose & Throat; Ophthalmology; Neurology & Neurosurgery, and Urology — ranked among the top 5. The Johns Hopkins Children's Center is also ranked #1 in Maryland, and is ranked nationally in all 10 specialties in U.S. News & World Report's 2021-22 Best Children's Hospitals list. Providing exceptional care for both children and adults means Johns Hopkins specialists can collaborate across age groups, offering seamless integration for patients from pediatrics to adult, and all patients receive the same access to the highest levels of care.

In 2019, Johns Hopkins Medicine opened the Johns Hopkins Proton Therapy Center in Washington, DC, with experts from the Johns Hopkins Kimmel Cancer Center, giving adult and pediatric patients access to highly targeted cancer treatment that spares nearby healthy tissues and organs, reducing potential side effects, including the risk of recurrence. The Center is one of the few in the world with a dedicated pediatric team that specializes in caring for young oncology patients, thanks to a collaboration between Children's National Hospital and the Johns Hopkins pediatric oncology team.

Johns Hopkins Medicine International, the global division of Johns Hopkins Medicine, develops high-impact collaborations throughout the world by leveraging Johns Hopkins' extensive knowledge of medicine, nursing, public health, medical education, research and health care administration to improve health and health care delivery. Johns Hopkins

Medicine International also facilitates culturally appropriate care for Johns Hopkins Medicine's global patients.

## **Mayo Clinic**

### **Overview**

Mayo Clinic is the first and largest integrated, not-for-profit medical group practice in the world. Mayo Clinic has destination locations in Minnesota, Arizona and Florida. More than 1.2 million people from about 135 countries turn to Mayo Clinic for diagnosis and treatment each year.

### **Specialties and Special Services**

Mayo Clinic in Rochester, Minnesota is again ranked the No. 1 hospital in the United States in U.S. News & World Report's 2021-2022 "Best Hospitals" rankings. The Rochester site is ranked No. 1 in five specialties: diabetes & endocrinology; gastroenterology & gastroenterologic surgery; gynecology; pulmonology & lung surgery; and urology. Mayo Clinic also ranks among the top two hospitals in cardiology & heart surgery; and orthopedics and among the top three hospitals for cancer; geriatrics; and rheumatology. Additional rankings include: ear, nose & throat (4); neurology and neurosurgery (6); psychiatry (9) and rehabilitation (6).

## **Nationwide Children's**

### **Overview**

With more than 1.4 million patient visits per year, Columbus-based Nationwide Children's Hospital is the second largest children's hospital in the United States. It is also ranked among the 10 best children's hospitals by U.S. News & World Report. Nationwide Children's has also become a global destination for pediatric health, providing care for hundreds of international families each year. Nationwide Children's Hospital also builds research programs to assure scientific breakthroughs help children everywhere, and is training the next generation of physicians, scientists, and health care professionals.

### **Specialties and Special Services**

To ensure accommodations are seamless and appropriate, Nationwide Children's Hospital accounts for all aspects including coordination of appointments and care, financial resources, and any individual patient and family needs. From arrival to a safe transition back home, its goal is to offer quality care and support that fulfills each family's unique needs.

Signature specialties include: Cancer; Cardiology and Heart Surgery; Colorectal Surgery; Diabetes & Endocrinology; Gastroenterology; Infectious Diseases; Interventional Radiology;

Neonatology; Nephrology; Neurology and Neurosurgery; Orthopedics; Pediatric Surgery; Plastic and Reconstructive Surgery; Pulmonary Medicine; Transplant; and Urology.

## **NewYork-Presbyterian**

### **Overview**

NewYork-Presbyterian Hospital is a world-class academic medical center committed to excellence in patient care, research, and education. Based in New York City, it is one of the nation's largest and most comprehensive hospitals, dedicated to providing the highest quality, most compassionate care and service to patients in the New York metropolitan area, nationally, and throughout the globe. In collaboration with two renowned medical schools, Weill Cornell Medicine and Columbia University College of Physicians and Surgeons, NewYork-Presbyterian is consistently recognized as a leader in medical education, groundbreaking research, and innovative, patient-centered clinical care.

For 2021, NewYork-Presbyterian Hospital ranks No. 7 in the nation and No. 1 among all hospitals in New York. According to the annual survey conducted by Castle Connolly Medical Ltd. and published in America's Top Doctors, more physicians from NewYork-Presbyterian were named to America's Top Doctors than from any other hospital in the nation.

### **Specialties and Special Services**

NewYork-Presbyterian ranks in the top 10 nationwide in cardiology and heart surgery, neurology/neurosurgery, psychiatry, gynecology, nephrology, and rheumatology, a collaborative program with the Hospital for Special Surgery. NewYork-Presbyterian is one of the most comprehensive hospitals in the country and features top specialists in cancer, digestive diseases, transplant, diabetes, ENT, orthopedics, urology, gynecology, and ophthalmology.

## **Penn Medicine**

### **Overview**

Penn Medicine is part of the world-renowned University of Pennsylvania and is based in Philadelphia, less than two hours from New York City and Washington, D.C. Penn Medicine's Perelman School of Medicine was the first medical school and first hospital in the United States and is consistently ranked among the top in the United States by U.S. News & World Report.

Today, Penn Medicine is a \$8 billion enterprise, employing over 40,000 people in six acute-care hospitals and state-of-the-art outpatient facilities, including cutting-edge research towers. Penn Medicine is known for delivering state-of-the-art care and discovering new treatments and cures that drive innovation in medicine. It has received 13 FDA Approvals



since 2017 and is the Epicenter of Cell and Gene Therapy as well as home to the mRNA vaccine technology behind the Pfizer and Moderna COVID-19 vaccines.

### **Specialties and Special Services**

Penn Medicine is one of the best comprehensive hospitals in the country and features top specialists in cancer care, neurosciences, cardiovascular care, advanced orthopedic care, otorhinolaryngology, transplant, and women's health, among other specialties.

#### **Penn Medicine Center of Excellences:**

- Penn Pituitary Center
- Penn Musculoskeletal Center
- Penn Spine Center
- Penn Pancreatic Cancer Research Center
- Abramson Cancer Center
- Penn Center for Precision Medicine
- Penn Cardiovascular Institute
- Penn Center for Research on Coronavirus and Other Emerging Pathogens
- The Penn Medicine Neuroscience Center
- Penn Center for Genome Integrity
- Roberts Proton Therapy Center
- Penn Transplant Institute
- Penn Medicine Translational Neuroscience Center

### **Stanford Medicine**

#### **Overview**

Stanford Medicine's world-class School of Medicine, top-quality hospitals and clinical networks, and unique position as a leading academic medical center in the heart of Silicon Valley enable it to bridge the worlds of medicine and technology to provide deeply personal patient care.

The three entities of Stanford Medicine— the Stanford University School of Medicine, Stanford Health Care, and Stanford Children's Health — deliver the benefits of clinical innovation with the highest levels of care and compassion across its inpatient services, specialty health centers, hospital partners, physician offices, digital care offerings, and health plan programs. With an unmatched track record of scientific discovery, technological innovation, and translational medicine, Stanford Medicine physicians are pioneering therapies today that will change the way health care is delivered tomorrow.

## Specialties and Special Services

Opened in 2019, Stanford Hospital provides a reimagined space for health and healing. The 824,000-square-foot medical building features 368 private patient rooms and 28 state-of-the-art operating rooms. Lucile Packard Children's Hospital Stanford is a 397-bed hospital, research center, and leading regional medical network for pediatric and obstetric care. In 2019, it opened an inpatient cancer center and outpatient heart center, boosting its capacity for specialty care. These extraordinary facilities enable a modernized approach to health that couples advanced technologies with human-centered care.

With eminently skilled clinicians and the world's most technologically sophisticated patient care environments, Stanford Medicine is committed to providing quality care to patients around the world. Stanford Health Care and Stanford Children's Health offer an individualized approach to serving the unique needs of international patients – before, during, and after visits.

U.S. News & World Report Top 10 in:

- Neonatology (#3)
- Pediatric Nephrology (#4)
- Pediatric Pulmonary & Lung Surgery (#6)
- Cardiology & Heart Surgery (#8)
- Pediatric Neurology & Neurosurgery (#8)
- Gynecology (#9)
- Pediatric Diabetes & Endocrinology (#9)

U.S. News & World Report Top 20 in:

- Cancer (#12)
- Pulmonology & Lung Surgery (#12)
- ENT (#13)
- Neurology and Neurosurgery (#13)
- Orthopedics (#13)
- Pediatric Gastroenterology & GI Surgery (#14)
- Geriatrics (#15)
- Pediatric Cancer (#16)
- Urology (#20)

## UChicago Medicine

### Overview

The University of Chicago Medicine, with a history dating to 1927, is a not-for-profit academic medical health system based on the campus of the University of Chicago, and with hospitals, outpatient clinics, and physician practices throughout Chicago and its suburbs.

Based on the strong foundation of the Biological Sciences Division, which has been affiliated with 12 Nobel Prize winners, the University of Chicago Medical Center offers a full range of specialty-care services for adults and children through more than 40 institutes and centers. UChicago Medicine's commitment to patient safety and care quality has been recognized nationally - they are one of the only 27 hospitals in the United States that have earned 19 consecutive A's in the patient safety rating by Leapfrog group as of April, 2021.

### Specialties and Special Services

- **Solid Organ Transplant Institute:** Ever since the first animal organ transplant was performed at UChicago Medicine in 1904, which later earned Nobel prize, UChicago Medicine Transplant Institute has continued to be a world leader. Its experts use revolutionary approaches and strive to complete transplants quickly with exceptional outcomes. Especially, UChicago Medicine is a world leader in multi-organ transplant for the sickest patients.
  - **Heart & Vascular Center:** UChicago Medicine has some of the nation's best minds in cardiology, cardiac surgery, and vascular surgery. They are known for their expertise in complex conditions and boast nationally acclaimed heart transplant, bloodless cardiac surgery and robotic heart surgery programs.
  - **Comprehensive Cancer Center:** As one of the NCI designated comprehensive cancer centers, UChicago Medicine is committed to exploring and developing innovative ways to prevent and reduce cancer's devastating effects through a collaborative research program. CAR T-Cell Therapy, HIPEC surgery program, and organ-sparing head & neck cancer care are some of the innovative treatments offered from UChicago Medicine.
  - **Neuroscience Center:** UChicago Medicine's neuroscience program has assembled a team of neurological experts highly skilled in evaluating and treating even the most complex and challenging nervous system disorders. The center has received multiple designations including Center for Comprehensive Care by the National Multiple Sclerosis Society and Level 4 Epilepsy Center by the National Association of Epilepsy Centers
  - **Musculoskeletal Center:** UChicago Medicine Musculoskeletal Center offers the full range of orthopaedic care for bones, muscles and joints. Especially, the center is one of the nation's leading centers for robotic hip and knee replacement surgery. In addition, the center has been a medical partner with multiple professional and national sports teams in the US and China.
- Pediatric Care at Comer Children's:** Comer Children's Hospital brings the "bench to bedside" scientific expertise of the University of Chicago Medicine, combined with personal, family-centered approach to provide an atmosphere of hope and healing. Comer Children's is one of the country's few centers to offer I131-MIBG therapy to neuroblastoma patients, the first site in the U.S. to be certified for CAR T-cell therapies and one of the nation's most experienced pediatric epilepsy centers

## **UCLA Health**

### **Overview**

For more than half a century, UCLA Health has provided the best in healthcare and the latest in medical technology to the people of Los Angeles and throughout the world. Comprised of Ronald Reagan UCLA Medical Center, UCLA Medical Center, Santa Monica, Resnick Neuropsychiatric Hospital at UCLA, Mattel Children's Hospital UCLA, and the UCLA Medical Group with its wide-reaching system of primary-care and specialty-care offices throughout the region, UCLA Health is among the most comprehensive and advanced healthcare systems in the world.

UCLA physicians are world leaders in the diagnosis and treatment of complex illnesses, and their hospitals are among the best in the country. Consistently ranked one of the top hospitals in the nation and the best in the western United States by U.S. News & World Report, UCLA Health is at the cutting edge of biomedical research, and their doctors and scientists are leaders in performing pioneering work across an astounding range of disciplines, from organ transplantation and cardiac surgery to neurosurgery and cancer treatment, and bringing the latest discoveries to virtually every field of medicine.

### **Specialties and Special Services**

#### Transplant

UCLA Health's dedicated transplant team has years of experience guiding patients through the transplant process, from pre-admission counseling to post-transplant outpatient care. They are one of the only institutions in the nation that offer organ re-transplantation and take on the most complex transplantation cases; often rejected by other centers.

#### Oncology

U.S. News & World Report consistently ranks the Jonsson Comprehensive Cancer Center at UCLA as the best cancer center in California and one of the top six cancer hospitals in the United States. Their designation as a comprehensive cancer center by the National Cancer Institute is a testament to UCLA's excellence in cancer care and research.

#### Ophthalmology

Since U.S. News & World Report first began its ranking, UCLA Stein Eye Institute—and now with affiliation partner, the Doheny Eye Institute—has been consecutively honored as being among the top five eye care centers in the United States and the best in the Western United States.

#### Obesity and Metabolic Health

With comprehensive scientific resources in place, the Center for Obesity and Metabolic Health (COMET) at UCLA is positioned to tackle the growing obesity and diabetes problem through compassionate timely treatment, follow-up and cutting-edge research.

**Weight Management Program:** Their Risk Factor Obesity (RFO) Program, a medically-supervised university-based multidisciplinary program has recently rated as one of the 15 best medically-

supervised weight loss programs in United States by Health Magazine. UCLA Health is famous for being one of the first institutions in the world to prescribe a Very Low Caloric Diet (VLCD).

Bariatric Surgery: UCLA offer outstanding surgical outcomes and superior expertise in the treatment of obesity and all its related health problems.

#### Center for Rare Diseases

The California Center for Rare Diseases (CCRD) is a collaborative home for physicians, scientists and patients dedicated to improving diagnostics and clinical care, basic understanding, and novel treatments for rare genetic diseases.

Investigators of the CCRD work to improve diagnosis, understanding, and treatment of neurodevelopmental disorders, cancer predisposition, metabolic disorders, skeletal dysplasias, muscle diseases, and immune disorders, and have enabled clinical trials of precision medicines at UCLA. Clinical areas or focus include genetic disorders, immunologic disorders, skeletal disorders, adult neurogenetic disorders, Duchenne muscular dystrophy, cancer predisposition, heart disorders, childhood neurodevelopment, undiagnosed diseases, and familial Mediterranean fever.

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