

KIDS CAN'T WAIT

FOR A CURE.



**GIVE TO THE CHILDREN'S HOSPITALS
COVID-19 IMPACT FUND**

cmnhospitals.org



CHANGE KIDS' HEALTH
CHANGE THE FUTURE

Children's hospitals are committed to serving their local communities affected by the COVID-19 pandemic.

To meet these urgent demands, Children's Miracle Network Hospitals is dedicated to ensuring 170 children's hospitals across North America have the resources they need to care for the most vulnerable kids.

The reality is: Kids Can't Wait ... they need children's hospitals now more than ever.

Local CMN Hospitals have reported on their hospital's response to the community, equipment and funding needs, staffing challenges and other impacts they are facing due to the COVID-19 pandemic.

The below slides include details, findings and highlights of key markets to help better understand the current state and needs of our member hospitals, their larger healthcare systems, physicians, clinical staff, patients and communities at large.

Network-wide Impact from COVID-19:

- Children's hospitals are treating adult patients.
- Many children's hospitals and/or their health system are opening drive-thru COVID-19 testing sites.
- Because of cross contamination, children's hospitals are now creating entire COVID-19 floors which affects the amount of patients within the hospital that can receive care.
- 5% of all positive COVID-19 cases, that include age information, are found to be patients under the age of 19 years old.
- Each day, patient family members facing layoffs, ever increasing the need for children's hospitals to provide charitable care.
- Children's hospitals and their systems are working on vaccines, research, treatments, and preventions across the country -- from UC Davis to UVA Children's to Seattle Children's to Boston Children's to Colorado Children's.



Equipment Needs:



- Due to cross contamination risks many hospitals are requiring all employees, no matter their job, to wear masks to prevent the spread of the virus.
- In some areas, member hospitals have less than one week's supply of personal protective equipment (PPE) for their staff.
- Hospitals are using over 1,000 masks per day due to the virus.
- Usage rates of PPE have doubled (or even higher in some areas), affecting both supply and cost.
- Every patient and family member are required to be screened before entering a hospital or clinic, which increases the need for all PPE and screening equipment.



Telemedicine:



- Due to COVID-19, telemedicine has increased in usage at rates up to 5,000% for some hospitals. This ensures patients and community members can remain at home and receive the care they need. A local children's hospital had over 30,000 e-visits in one week.

Hospital Revenue:



- Hospitals are losing millions of dollars every month due to canceled or fewer routine procedures and surgeries.
- One hospital will lose \$13M in April. As a nonprofit hospital, this is an extreme cut to their operating budget to ensure care is provided to all patients.
- Increased funds, that were not anticipated or budgeted for, are needed for COVID-19 related testing and treatment.



Employee Hardships:



- Many hospital employees are staying at hotels near the hospital instead of going home due to infection control and cross contamination. Our healthcare workers who are at high volumes of exposure are at an increased level of risk of contracting the virus.
- Employees at all hospitals are being affected by COVID-19. Many staff have been furloughed due to cancelled procedures or routine care from certain departments.
- Hospital cafeterias and cafes have been closed to prevent groups from gathering. This has affected access hospital employees and patient families have to meals while at the hospital.



Chicago Market:

Supplies Details:

- Top priorities are N95 masks (Halyard or 3M preferred, but not required) and eye shields.
- PPE Approved Donations:
 - Commercially produced N95 or KN95 procedural/surgical masks
 - Hand assembled face shields and 3D printed face shields
 - Any other unopened, commercially- made PPE that is FDA approved

Funding Details:

- Keep our doctors and nurses safe – Donations help purchase critical masks and face shields to keep our care team safe and healthy. This personal protective equipment (PPE) is crucial to preventing the spread of COVID-19 to our care team.
- Keep our kids happy – Donations help our hospital purchase art supplies to keep hospitalized children happy and engaged. New visitation restrictions mean that some family members may not be able to visit kids in the hospital. Your gift can make a child's hospital stay a more positive experience.

Chicago Market:

Funding Details, cont'd:

- **Keep families strong – Donations help families stay strong when so many face uncertainty about basic income due to COVID-19. With your gift, these families will be able to tackle the many expenses that arise during a child's hospitalization, including travel to and from the hospital and childcare for siblings when schools are closed.**
- **Funds in Use: Thanks largely to consistent unrestricted support we receive from Children's Miracle Network Hospitals partners and programs throughout the year, Lurie Children's has not yet had to divert funds to COVID-19 related areas. However, as the situation changes and evolves, we anticipate a future need for increased unrestricted funding that allows our doctors, nurses, scientists and staff the flexibility they need to do everything they can for the kids and families who are counting on us.**

Denver Market:

Supplies Details:

- Our hospital needs N95 respirators specifically. Additionally need surgical gloves and surgical masks. Any quantity would support our caregivers.



Care Details:

- Our Telehealth systems have seen exponential growth in order to minimize exposure and additional traffic within our care sites. As a Level 1 trauma facility treating kids in a 7-state region, we are utilizing this technology to fulfill non-urgent patient visits. We've seen an increase from 100 appts/week to approx. 2,000 appts/week.
- Preparing to take adults up to age 30.

Funding Details:

- Our Children's Fund and Caregiver Emergency Relief Fund are our greatest priorities now.
- Expanded COVID-19 Testing: CHCO needs at least two at \$30,000 each. Emergency Triage Structures: Cost \$110,000 per location/per month.
- Healthy Roots Mobile Emergency Food Assistance: aids with vulnerable children facing food insecurity at home. Cost \$15,000 for 3 weeks.

Houston Market:

Supplies Details:

- Equipment and supplies needed include:
 - Infrared temperature scanners
 - Hand sanitizer
 - Toilet paper
 - Paper towels



Care Details:

- Texas Children's has worked diligently to enhance its telehealth capabilities, with a current focus on reducing unnecessary in-person patient visits to help prevent the spread of COVID-19 and mitigate its devastating impact.
- Employee Support - Texas Children's depends every day on the support of employees who are not on the front lines to ensure the hospital's optimal operations in every area. Many of our employees have been asked to perform their duties remotely to the best of their abilities during this time of crisis, and the hospital has incurred costs up to \$750,000 to ensure that they are able to do so.

Houston Market:

Funding Details:

- As is the case for health care organizations around the world at this time, we are incurring unexpected expenses that were not included in our original budget projections for this fiscal year. This is a time when private philanthropic support can make a tremendous impact in helping Texas Children's offset these unanticipated costs. Currently, Texas Children's areas of greatest need include:
 - PPEs - \$500,000
 - Other equipment and supplies (noted on previous slide) - \$380,000
 - COVID-19 Pediatric emergency response sites - \$300,000
- Texas Children's has acted quickly and decisively to create safe and efficient screening and triage spaces during this health crisis. Construction at each Texas Children's Hospital: Texas Medical Center Campus, Texas Children's Hospital West Campus, and Texas Children's Hospital The Woodlands Telehealth - \$500,000.
- Uncompensated care is the pool of funds that will be used to help; however, none of our funds have been diverted to the COVID-19 need at this time. CMN Hospitals funds are unrestricted, which allows hospital leaders to use funds where there is the greatest need.



Sacramento Market:

Supplies Details:

- As of April 1, we needed the following:
 - Surgical Masks: 100k
 - N95 (3M 1860, 1860s, 1870): 30K
 - Face Shields: 20K

Funding Details:

- We do not have a pressing need for immediate funding to continue patient care, but additional funds are needed to support families with lodging and food at our nearby Courtyard Marriott and Ronald McDonald House. We have utilized department funds so far. With additional funds, we would be able to provide more families with longer relief for lodging and hunger needs.

Jacksonville-Brunswick Market:

Supplies Details:

- As of April 2, we are collecting donations of Clorox wipes (or equivalent), Thermometers (in-ear), and Medical-grade, CDC-approved masks (not homemade). We are using all the above to screen patients, staff and limited visitors prior to entering and exiting the building.

Care Details:

- We have dramatically increased telehealth appointments with patients and set-up specialized clinics at two satellite locations dedicated specifically for patients with respiratory complaints. This allows caregivers to isolate individuals from other patients until physicians can evaluate if a COVID-19 test is warranted, shielding other clinic visitors from possible unintended exposure and preventing overflow to the Emergency Department.
- The last week of March, we rolled out in-house testing capabilities, which greatly speeds the delivery of results for UF Health patients. We now have the capability to run several hundred tests daily with the capacity for significantly more, limited only by reagent availability, which remains in short supply nationally.
- The Center for Healthy Minds and Practice (CHaMP) at UF Health Jacksonville remains open and available to our nearly 8,000 employees providing stress management and counseling services in a time of great need for our staff.



Jacksonville-Brunswick Market:

Care Details, cont'd:

- The University of Florida faculty have designed low-cost, "open source" ventilators made from hardware store items.
- UF Infectious disease teams in Gainesville, Jacksonville and Central Florida are tirelessly responding around-the-clock to the call for help, lending their expertise and addressing many facets of our response to this extraordinary situation.
- The UF College of Engineering has offered its 3D-printing technology and design capabilities and are starting on a project to print N95 masks. Many of our donors are offering support for our research programs as we harness the university's expertise to fight this epidemic.



Funding Details:

- The cost to care for our community, patients and staff is not without tremendous cost.
- The Poison Control Center, located on the UF Health Jacksonville downtown campus, is now operating as the call center for the Florida Department of Health.
- UF Health Jacksonville's own Patient Safety staff are [creating face shields and building intubation boxes](#) to protect caregivers and minimize the spread.

Seattle Market:



Funding Details:

- **Patient Emergency Assistance Fund:** Provide families the basic support and services they need to take care of their child: including food, clothing, transportation, lodging, funeral expenses and gas cards. The COVID-19 pandemic is having a devastating impact on so many of our patients and their families. Gifts to this fund help support families' basic needs so they can focus on the well-being of their child.
- **Employee Emergency Assistance Fund:** Provide financial relief for Seattle Children's employees, so they can continue providing compassionate, expert care to children throughout this pandemic.
- **We have created a COVID-19 Greatest Needs Fund:** we expect these types of expenses to continue to grow as the crisis continues.
- **Tents for screening outside the hospital.**
- **Drive-thru testing for both patients and staff.**
- **Additional personal protective equipment (PPE).**
- **Additional technology to help staff work remotely and practice social distancing.**

Detroit Market:



Supplies Details:

- N-95 Masks (estimated 40,000 daily-70,000 at peak)
- Face shields (estimated 3000 per day)
- Isolation gowns (estimated 25,000 a day, if not more)
- Ear loop masks (estimated 20,000 per day)

Care Details:

- Beaumont Health hospitals are seeing high volumes of COVID-19 patients.
- As of 4 p.m., March 30, Beaumont is caring for 1,200 patients who have tested positive for COVID-19 and 200+ patients with tests pending. The health system has already been transferring some COVID-19 patients between sites as part of the system's overall on-going disaster plan.

Funding Details:

- Funds will be used to provide front line equipment, testing materials, and support for our health care workers. Including temporary housing, food service, and additional PPE when needed.
- The Beaumont Health Foundation has created a COVID-19 Fund that will be restricted to efforts supporting the COVID-19 response at Beaumont.

Additional Hospital Highlights

Education:

- Johns Hopkins has been at the forefront of tracking this pandemic in developing the COVID-19 Map.
- The map was first shared publicly on Jan. 22, 2020. It was developed to provide researchers, public health authorities, and the general public with a user-friendly tool to track the outbreak as it unfolds.
- The map is maintained in near real time throughout the day through a combination of manual and automated updating.
- Visit the [Johns Hopkins University and Medicine Coronavirus Resource Center](#) for more information.

Additional Hospital Highlights

Personal Protection Equipment:

- At [Duke University Hospitals](#) they are working to make the lack of PPE a thing of the past. First starting with a novel decontamination process of N95 masks to help relieve shortages. And, of course they are sharing this knowledge with others to make sure no one faces this issue.
- Not to mention how creative thinking can produce rapid amounts of face shields. A task force was comprised of Duke engineers, medical and technology professional to create reusable medical face shields using Duke's 3D printing technology. After just a week of test the task force settled on the best prototype for the frontline healthcare staff that is a 3D printed headband that forms a face shield with a laser-cut polycarbonate lens.
- The Duke University Health Engineering and Operations instrument and construction shops have been cutting foam and elastic while employees from other areas of Engineering and Operation have worked together to assemble and ready them for Duke caregivers.

Additional Hospital Highlights

Research and Vaccine:

- At [Johns Hopkins Hospital](#), [Johns Hopkins Children's Center](#), and [Johns Hopkins Medicine](#), teams are at the forefront of this virus through disciplines including
 - virology,
 - pathology,
 - infectious diseases,
 - pulmonology,
 - gastroenterology,
 - and critical medicine.
- It is through their efforts that a study is now monitoring the efficacy of a new drug called pegylated interferon lambda. This drug will also be used by hospitals systems in Italy to combat this disease in the widely affected Lombardy region, as well as clinical testing of pegylated interferon lambda using samples from patients screened at the COVID-19 testing sites at Johns Hopkins Hospital.

Additional Hospital Highlights

Clinical Trials:

- Through [Baylor Scott & White Research Institute](#), our health system for [McLane Children's](#), the hospital has formed a COVID-19 therapeutic task force. The working group of 20+ multidisciplinary researchers has already activated two clinical trials at multiple Baylor Scott & White sites.
- The hospital was the first – and currently remains the only healthcare system in Texas approved to conduct these two protocols.
- The hospital has also worked to launch two additional new studies, one for an experimental treatment option, and the other for a preventative option, which could help medical and support staff working on the front lines.

Result Testing:

- At [Johns Hopkins Hospital](#), [Johns Hopkins Children's Center](#), and [Johns Hopkins Medicine](#), teams are working on new testing for the virus in rapid timing.

Additional Hospital Highlights

Sharing Information:

- Hundreds of thousands of clinicians around the world are relying on [OPENPediatrics](#), a platform created at [Boston Children's](#) more than 10 years ago, for open-access, evidence-based online training.
- The [World Health Organization](#) (WHO) recently tasked Boston Children's with hosting its updated COVID-19 protocols on OPENPediatrics because no other single resource exists to host this information for physicians to use on a global scale. These are the next steps to help all healthcare professionals and systems are the tools to overcome COVID-19:
 - Deploy additional dedicated, HIPAA-compliant online servers with embedded tools to allow more clinicians and user groups to safely gather, analyze and share clinical data.
 - Expand the website to ensure support for an additional number of private and public groups, where registered users can upload and share resources.
 - Create COVID-19 specific educational content and training tools that can be rapidly disseminated to overcome the challenges of staff training during this pandemic.

Jeff Burns, MD, MPH, Chief, Critical Care Medicine; Director, OPENPediatrics, A global leader in pediatric critical care, Burns created OPENPediatrics to enable doctors and nurses to share best practices worldwide. Now, health care providers are using the open-access community to exchange protocols, policies and ideas as they care for COVID-19 patients.

Additional Hospital Highlights

Drug Development:

- Dr. Peter Myler, a principal investigator at [Seattle Children's](#) has already contributed findings about SARS-CoV-2 for vaccine development efforts and new knowledge generated daily is expected to aid in drug development.
- Myler serves as lead investigator for the [Seattle Structural Genomics Center for Infectious Disease](#) (SSGCID). The consortium includes teams from Seattle Children's Research Institute, UCB, the University of Washington and Washington State University.
- The consortium works to solve the 3D structure of proteins from infectious disease organisms and give insight into their function. This type of information can then be used to develop vaccines, new drugs and even diagnostics for clinical use.



ALEXIS
TRAUMATIC BRAIN
INJURY PATIENT

**KIDS
CAN'T
WAIT**

FOR A CURE.

**GIVE TO THE CHILDREN'S HOSPITALS
COVID-19 IMPACT FUND**

cmnhospitals.org



CHANGE KIDS' HEALTH
CHANGE THE FUTURE