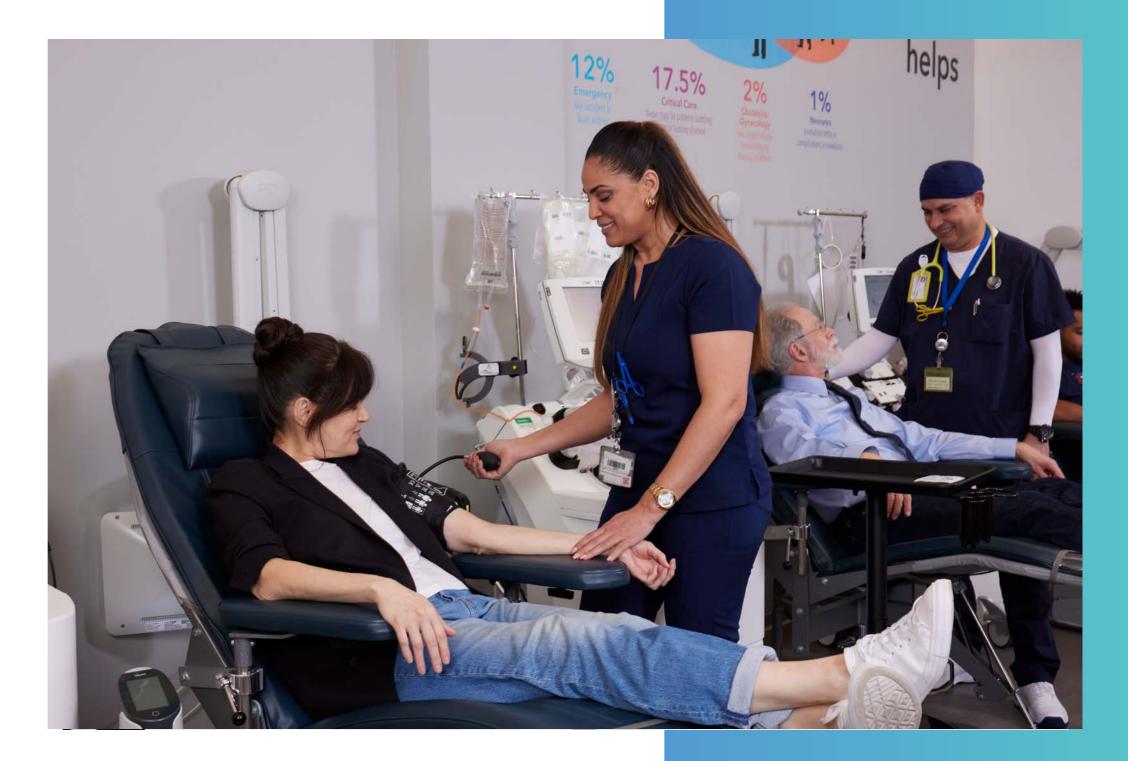


2024 CASE STATEMENT

LIFESAVING RESEARCH, INNOVATION AND IMPACT

PHILANTHROPY ACCELERATING THE REMARKABLE



New York Blood Center Enterprises



Years of lifesaving research, innovation, and impact.

-

Learn about remarkable individuals at New York Bood Center Enterprises (NYBCe), including our employees, researchers, blood and platelet donors, and volunteers, working together to make our lifesaving work possible.

Our people, partnerships, and supporters reflect the best of our legacy institution, celebrating more than six decades of service to our communities. NYBCe boasts six decades of exceptional lifesaving innovation, research, and impact, highlighting our past, our present, and our future.

We hope that learning about our organization, our employees, individuals' stories and our work inspires you to support us in building a stronger tomorrow.

PHILANTHROPY FUELS LIFESAVING INNOVATION, RESEARCH AND OUR LIFESAVING WORK.



CHRISTOPHER D. HILLYER, MD PRESIDENT AND CEO

Strong connections and partnerships are catalysts for innovation.

At our organization, talented and passionate individuals join forces, merging ideas and actions to create lasting and lifesaving collaborations. It is my honor and privilege to share the remarkable accomplishments of NYBCe in service to our community. Our dedication to transfusion medicine through exceptional leadership, excellence, innovation, and outstanding service drives our mission-critical work, contributes to new cellular therapies, our research, and benefits our hospitals, patients, and partners who rely upon us. We are proud to be one of the largest independent community blood centers in the United States, operating across more than 17+ states and serving a community of more than 75 million people with over one million lifesaving blood products.

17+ STATES 75M+ PEOPLE 1M BLOOD PRODUCTS

Our Lindsley F. Kimball Research Institute, specialty pharmacy, educational resources and expertise in cellular therapies make us more than just a community blood center. The strength of our endeavors is directly connected to the power of our partnerships, and NYBCe leadership and staff will continue to drive innovation in transfusion medicine in the coming years. NYBCe and our regional divisions- New York Blood Center, Blood Bank of Delmarva, Community Blood Center of Kansas City, Memorial Blood Centers, Nebraska Community Blood Bank, and Rhode Island Blood Centercollect approximately 4,000 units of blood products daily and over one million total products annually to serve hospitals and patients in communities in communities in the tri-state area (NY, NJ, CT), mid-Atlantic area (PA, DE, MD), Kansas City metropolitan area, Minnesota, Nebraska, Rhode Island, and Southern New England.

Explore our collective evolution saving lives, and serving local, national, and global communities to help ensure a healthier future for all. I am grateful to you for your continued support and deeply proud of the entire NYBCe family for its pursuit of excellence in everything we do.

ADVANCING EXCELLENCE

We are an essential component of the healthcare system and an integral part of disaster preparedness. We serve our communities, hospitals and patients, and are recognized internationally for our high humanitarian impact, research and development, and commercial collaboration.

Financial support to our organization is of the utmost importance to ensure the continuation of our great work. There are rare opportunities to be part of saving lives, advancing transfusion medicine, supporting our cellular therapies/regenerative medicine, and our research priorities.

With the construction of our new, state-of-the-art campus in Rye, New York, we will continue to deliver lifesaving blood products, stem cell products, specialty pharmaceuticals, and laboratory and related medical and consultative services to healthcare providers and patients. We offer a comprehensive menu of products and services to support and manage the full spectrum of transfusion medicine, regenerative medicine, and cellular-therapy-related research projects.

BY THE NUMBERS

ABOUT US

60 +YEARS OF SERVICE

75M+ PEOPLE SERVED

400 +HOSPITALS SERVED

\$600M IN REVENUE

\$15M IN GRANTS EACH YEAR

53 +DONOR CENTERS

BLOOD DONATIONS

1 MILLION **BLOOD PRODUCTS**

800,000+ RED CELLS DISTRIBUTED ANNUALLY

175,000 PLATELETS DISTRIBUTED ANNUALLY

450,000+

LABORATORY AND MULTI-ASSAY INFECTIOUS DISEASE TESTS TO OUR CUSTOMERS EACH YEAR

10,000+MOBILE BLOOD DRIVES FACH YEAR



PATIENT STORY: EMILY

After being hit by a drunk driver, Emily fractured several ribs, shattered her pelvis and had multiple organ failures. Emily needed 138 transfusions to survive. In the words of her parents, "And this is where you-you wonderful people-come into the story. As much blood as she needed, the hospital had. There was enough blood. We didn't have to say goodbye to our daughter."

RESEARCH AND SPECIALTY SERVICES

2 BILLION+

UNITS OF FACTOR MEDICATION DISPENSED

12,500+

SPECIALTY CLINICAL PROCEDURES PERFORMED EACH YEAR

5,000+

CORD BLOOD UNITS DELIVERED TO TRANSPLANT CENTERS WORLDWIDE



4,000+

SCHOLARLY ARTICLES PUBLISHED

25 +INVESTIGATORS AND LFKRI RESEARCHERS

WHO WE ARE / WHAT WE DO

Founded in 1964, New York Blood Center Enterprises is one of the largest nonprofit, independent, community blood centers in the world.

♦4,000 **₽**75M

Approximately 4,000 units of blood products each day

We serve a community of more than 75 million people

NYBCe is one of the largest independent, community-based blood centers in the country, collecting and distributing human blood, conducting basic and applied research, and providing public and professional educational activities in the field of transfusion medicine.

Blood Bank of Delmarva

Founded in 1954, Blood Bank of Delmarva (BBD), operated by <u>New York Blood Center Enterprises</u>, is a nonprofit community blood center providing blood and blood products to 1.5 million people, 19+ hospitals, EMS and healthcare partners on the Delmarva peninsula. To learn more, visit delmarvablood.org/about-us.

DELMARVABLOOD.ORG



Founded in 1958, Community Blood Center (CBC), operated by New York Blood Center Enterprises, is a nonprofit community blood center serving Kansas and Missouri for more than 65 years, delivering 200,000 lifesaving blood products each year to 70+ area hospitals, EMS and healthcare partners. In addition to providing the highest quality blood products and services, CBC additionally delivers cellular therapies, specialty pharmacy, and medical services to research, academic, and biomedical organizations. To learn more, visit savealifenow.org/about-us.

SAVEALIFENOW.ORG



Founded in 1948, Memorial Blood Centers (MBC), operated by New York Blood Center Enterprises, is one of the largest community-based, nonprofit blood collection and distribution organizations in the United States. MBC operates 10 donor centers in Minnesota and western Wisconsin, and provides blood products, accredited reference lab services, infectious disease testing, and IVF/ Reproductive Medicine services to 41 area hospitals. To learn more, visit mbc.org/about-us.



Founded in 1968, Nebraska Community Blood Bank (NCBB), operated by New York Blood Center Enterprises, is one of the largest nonprofit community blood centers in the United States. NCBB provides lifesaving blood and blood products to patients and 26 hospitals in Nebraska and western Iowa. To learn more, visit <u>ncbb.org/about-us</u>.

NCBB.ORG



Founded in 2021, Connecticut Blood Center (CTBC) is a nonprofit community blood center and serves as the primary supplier of lifesaving blood products to more than a dozen Connecticut hospitals, EMS and healthcare partners. CTBC is operated by Rhode Island Blood Center and is part of New York Blood Center Enterprises, which spans 17+ states and delivers one million blood products to 400+ U.S. hospitals annually. To learn more, visit ctblood.org/about-us.

CTBLOOD.ORG



Founded in 1979, Rhode Island Blood Center (RIBC), operated by New York Blood Center Enterprises, is a nonprofit community blood center, delivering nearly 100,000 lifesaving blood products to 50+ hospitals, EMS and healthcare partners across New England annually. RIBC also provides blood and blood products, therapeutic apheresis treatments, and human leukocyte antigen (HLA) histocompatibility red cell typing and immunogenics to patients in over 60 area hospitals. To learn more, visit_ribc.org/about-us.

RIBC.ORG

MBC.ORG

Our regional divisions, listed below, collect approximately 4,000 units of blood products daily and serve a community of more than 75 million people in the tri-state area (NY, NJ, CT), mid-Atlantic area (PA, DE, MD), Kansas City metropolitan area, Minnesota, Nebraska, Rhode Island, and Southern New England.



Founded in 1964, New Jersey Blood Services (NJBS) is one of the largest community-based, nonprofit blood collection and distribution organizations in the United States. NJBS is operated by New York Blood Center and is part of New York Blood Center Enterprises, which spans 17+ states and delivers one million blood products to 400+ U.S. hospitals annually. To learn more, visit nybc.org/about-us.

NYBC.ORG



Founded in 1964, New York Blood Center (NYBC), operated by New York Blood Center Enterprises, is one of the largest nonprofit community blood centers in the world. delivers lifesaving blood products and services as well as clinical, medical, pharmaceutical, testing, and consultative services to over 400 hospitals and dozens of research organizations, academic institutions, and biomedical companies. To learn more, visit <u>nybc.org/about-us.</u>

NYBC.ORG



NYBCe delivers lifesaving blood products and services as well as clinical, medical, pharmaceutical, testing, and consultative services to over 400 hospitals and dozens of research organizations, academic institutions, and biomedical companies.

Among other milestones, our Lindsley F. Kimball Research Institute pioneered the Hepatitis B vaccine and patented a solvent detergent plasma process, innovating blood-purification technology worldwide.



 New York

 Blood Center

 Enterprises

 National Cord

 Blood Program

LINDSLEY F. KIMBALL RESEARCH INSTITUTE (LFKRI)

Founded in 1974, New York Blood Center Enterprises' Lindsley F. Kimball Research Institute is a leading center for basic and applied research in hematology and transfusion medicine. LFKRI researchers are dedicated to the study of blood and the prevention, treatment and cure of bloodborne and blood-related diseases, making major contributions toward understanding and combating a wide variety of diseases such as AIDS, hepatitis, malaria, and leukemia, making it possible for thousands of people to live healthier lives. The work of LFKRI's principal investigators is made possible by support from NYBCe, together with approximately \$12M to \$16M per year in grant funding and contracts primarily from the National Institutes of Health (NIH). The Institute's commitment to groundbreaking research has resulted in numerous landmark patents and licenses, but also making it possible for thousands of people to lives. LFKRI's areas of blood-related research include transfusion medicine, hematology, infectious disease, epidemiology, and cellular therapy.

NYBCE.ORG/LFKRI

NATIONAL CENTER FOR BLOOD GROUP GENOMICS (NCBGG)

The National Center for Blood Group Genomics (NCBGG), a part of New York Blood Center Enterprises, is a research hub specializing in applying precision medicine to blood transfusion to increase safety and minimize complications. Headquartered in Kansas City, MO, NCBGG specializes in providing PreciseMatch blood products nationwide to avoid complications, properly screen patients for the suitability of various transfusion treatment regimens and improve transfusion medicine's overall practice and safety. Its genomics research helps match patients and blood donors to better treat hematological malignancies, inherited, and acquired anemias, autoimmune diseases, and transplantation when selecting products for transfusion.

BLOODGROUPGENOMICS.ORG

COMPREHENSIVE CELL SOLUTIONS (CCS)

Comprehensive Cell Solutions (CCS), a part of New York Blood Center Enterprises, is a cell and gene therapy-focused development and manufacturing organization that provides critical capacity to an underserved population of early-stage developers, as well as expertise and strategic footprint for hospital treatment centers and pharmaceutical organizations. CCS provides a true vein-to-vein solution, spanning fresh cellular collections and cord-blood derived stem cells as source material, to cell isolation, manipulation and cryopreservation capabilities for preclinical to commercial stage products. CCS boasts a client roster composed of the world's leading pharmaceutical companies, innovative biotechnology organizations and academic medical centers. CCS is headquartered in New York, where is also performers cellular collections and clinical apheresis.

COMPREHENSIVECELLSOLUTIONS.ORG

NATIONAL CORD BLOOD PROGRAM (NCBP)

The National Cord Blood Program (NCBP), a part of New York Blood Center Enterprises, is the world's first and largest public cord blood bank. NCBP was founded in 1992 to investigate cord blood as a possible solution to a critical public health need: finding appropriate hematopoietic progenitor cells for transplantation in patients without matched bone marrow donors. NCBP collects, processes, and stores cord blood units in liquid nitrogen freezers, ready for shipping whenever needed. Each unit is tested for the number of relevant cells. The unit and the donor's mother are also tested for HLA type and transmissible infectious diseases. NCBP is the first cord blood bank to have a licensed cord blood product, HEMACORD®, and is committed to providing high quality cord blood units and promoting high standards in cord blood banking.

NATIONALCORDBLOODPROGRAM.ORG



A New York Blood Center Enterprises

Lindsley F. Kimball Research Institute

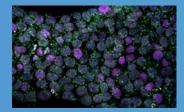
The Lindsley F. Kimball Research Institute (LFKRI) is credited with breakthroughs in transfusion medicine resulting in innovative and patented processes adopted worldwide by institutions and industry.

The work of LFKRI's principal investigators is made possible by support from NYBCe, together with approximately \$12M to \$16M per year in grant funding and contracts primarily from the National Institutes of Health (NIH).

In 2017, LFKRI was a driving force behind organizing the TOVA Initiative, a consortium of 14 US, European, and African academic institutions that have joined forces to develop a vaccine for river blindness. LFKRI scientists were also recently awarded as the lead on a 5-year NIH Program Project grant on red blood cell production and were selected as the Core for an NIH cooperative grant on cancer tissue banking.



KEY RESEARCH AREAS:



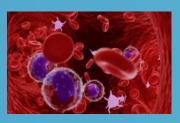
Cellular Therapies and Regenerative Medicine



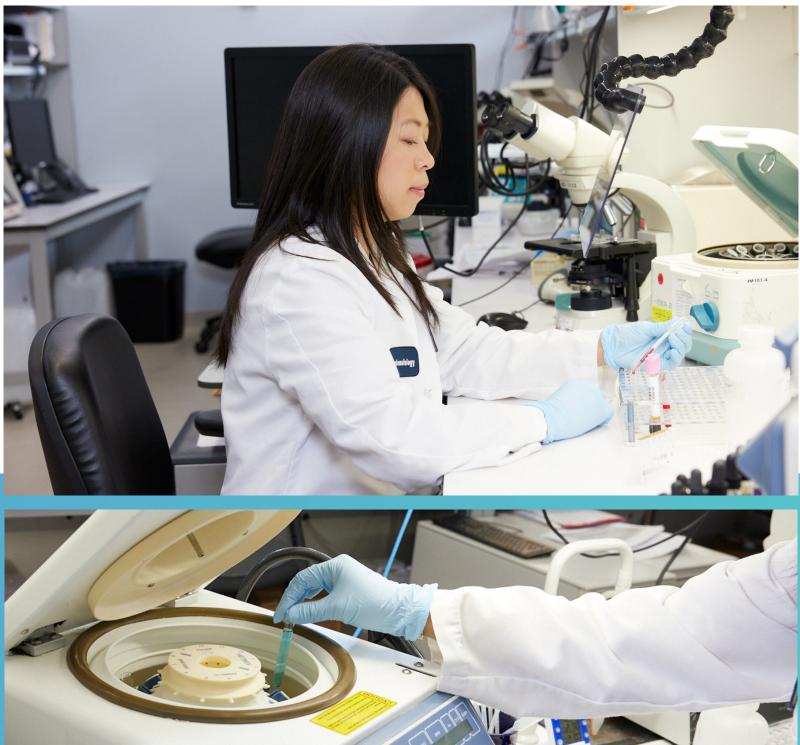
Infectious Disease and Transfusion-**Transmitted Infectious Agents**



Transfusion Immunology and Pathobiology



Data Science and **Epidemiology**



LFKRI is the largest nonprofit benign hematology research institute in the United States, and home to:



PRINCIPAL **INVESTIGATORS**



RESEARCH STAFF MEMBERS





"2024 marks LFKRI's 50th anniversary, and our work to advance hematology and transfusion medicine for the benefit of the patient population continues to grow. This year so far, LFKRI has received five new federal and private grants totaling over \$800K in research funding."

LARRY LUCHSINGER, PHD

Senior Vice President and Chief Scientific Officer: Director of Operations and Member, LFKRI; Head, Laboratory of Stem Cell Regenerative Research; Director, NYBC iPSC Program

achieve

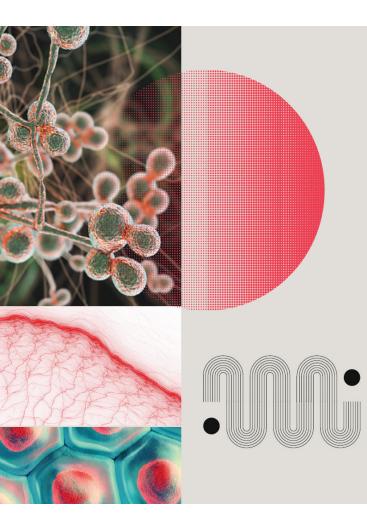
Project Achieve is a vital component of NYBC's Laboratory of Infectious Disease Prevention, conducting intervention trials to develop innovative ways to reduce participants' risk of HIV infection. This program conducts studies covering all phases of HIV vaccine research, as part of a global effort to develop a preventive HIV vaccine. Project Achieve and the Columbia Research Unit collaborate closely to conduct these crucial trials. PROJECTACHIEVE.ORG

Speciality Pharma Services is a specialty pharmacy that serves New Yorkers with hemophilia and other clotting disorders, as well as perioperative, apheresis, and transfusion services, and specialized laboratory services in diverse fields including genomics, immunogenetics, and immunohematology.

NYBCE.ORG/PHARMACY



Speciality Pharma Services



NYBCVENTURES

New York Blood Center (NYBC) Ventures, a part of New York Blood Center Enterprises, is a venture fund dedicated to accelerating innovation in blood-related fields and cellular therapies and technology. NYBC established the fund with a \$50M investment and a mission to improve patients' lives by advancing therapeutics, enabling platforms and technologies as well as driving collaborations to further NYBC's impact. NYBC Ventures invests in mission-driven therapeutics, devices, and innovative technologies, addressing the most pressing challenges in our area of focus: cell therapy, transfusion medicine, infectious diseases, and benign hematology.

NYBCVENTURES.ORG





PATIENT STORY: ARIEL

After being struck by a taxi while taking his children to school, Ariel was rushed to the hospital. In the following weeks he underwent 11 operations and required more than 70 units of blood to survive the amputation of both of his legs. "70 is a big number," said Ariel. "If 70 different people hadn't taken the one hour of their time to go to New York Blood Center and give blood, life would be very different for my children. I don't know who those people are, but they gave blood and I am alive."





Learn more about Ariel's amazing story: Watch the full video on youtube

FUNDING INITIATIVES FOR NYBCe



\$50,000,000 **Capital Projects**



\$1,500,000 **Innovation Fund**

\$500,000 **Awareness and Advertising Campaigns**

CAPITAL PROJECTS \$50,000,000

NYBCe is growing and expanding through our new campus in Rye and redevelopment of our upper east side building and opening new blood donor centers throughout the tristate area including Brooklyn, Manhattan, Bronx and Queens, New Jersey and the Hudson Valley.

New York Blood Center Enterprises has proudly served the community since 1964, and the tradition continues with the construction of our new, state-of-the-art campus in Rye, New York. The campus will further our mission to deliver lifesaving blood products, stem cell products, specialty pharmaceuticals, and laboratory and related medical and consultative services to healthcare providers and patients. Our world-renowned Lindsley F. Kimball Research Institute as well as Comprehensive Cell Solutions, NYBC Ventures, and future Center East Life Sciences Hub (CELSH) continue to further our legacy of innovative and groundbreaking work.



Both CELSH and the Rye Campus will be crucial resources for scientific officers (translational and clinical), business development professionals, medical experts, and academic and research institutions. Forward-thinking pioneers in biotech and analogous fields will have the ability to utilize NYBCe to test and expand on experimental therapies, drugs, and technologies. This can range from cell therapy manufacturing and genomics testing to multi-phased clinical trials and process design. It will effectively help spur an efficient health pipeline that benefits NYS & NYC.

CELSH and the Rye Campus will also serve as a lifeline for bootstrapped start-ups, many of whom lack the infrastructure, capital funds, and operational equipment to produce the groundbreaking therapeutic solutions they are primed to introduce. Chief scientific officers and/or CEOs of such entities, particularly in their infancy stages, will rely on New York Blood Center Enterprises to incubate and accelerate their ideas in a more risk-averse and less capitally intensive manner.

RYE CAMPUS

The Rye location will will be our first-ever single campus, a state-of-the-art facility, dedicated to life sciences research, blood collections, processing, distribution, specialty laboratories, and cell therapy manufacturing. This facility will allow us to attract world-class talent.

\$25,000,000 Rye Center Campus Building Naming

\$1,000,000 Lindsley F. Kimball Research Institute Naming

\$500,000 **Board Meeting Room**

\$300,000 **Staff Collaboration Zone**

\$200,000

Café

\$100,000

Research Labs

\$100,000 Large Conference Rooms (5 total)

All gifts of \$10,000 or more to the NYBCe Rye building fund will be acknowledged on a donor wall.



\$250.000 **Scholarships and Youth Programming**

PATIENT STORY: KING AND MESIAH

Brothers King and Mesiah were born with a rare blood disease called glucose-6-phosphate-dehydrogenase deficiency, G6PD. G6PD causes red blood cells to break down in response to certain medications, infections, or other stressors. As there is no cure for this disease, the only life-saving treatment is a blood transfusion when the red cells break down from a trigger.

At the age of two, King was also diagnosed with high risk acute lymphoblastic leukemia, a blood cancer. Thanks to more than three years of chemotherapy treatment and numerous blood transfusions, King is now cancer free. Today, King encourages his fellow New Yorkers to "stay strong and never give up."



FUNDING INITIATIVES FOR NYBCe





Research is an integral part of NYBCe, which is dedicated to advancing blood safety worldwide through scientific research, education and the promotion of evidence-based policies.

Our Lindsley F. Kimball Research Institute is a world leader in transfusion medicine, hematology, infectious diseases epidemiology, and sickle cell research.

Your financial support also helps to grow the donors of African heritage through community-centric outreach in Black communities, which will ultimately save and/or improve the lives of sickle cell patients, 98% of whom are Black in the U.S. - while also advancing blood science research and racial equity in healthcare and overall within American society.





INNOVATION FUND

\$1,500,000

Innovations to make giving blood more convenient.

SPONSORSHIP OPPORTUNITIES:

THE POD:

The Pod is an elevated blood drive experience where employees and members of the community can come together to save lives.

\$650,000 supports costs of the new POD with \$500,000 branding options available.

- Be a beacon of safety: By hosting the Pod, you are contributing to the overall community blood supply.
- Show your organization's commitment to local social causes. The community of blood donors who show up to donate are committed to saving lives. By hosting a place for them to do so, safely and comfortably, you are showing your business' commitment to larger social causes.

BLOODMOBILE SPONSORSHIP:

Support costs of a bloodmobile, which is a mobile blood donation center that meets the blood donors where they are, helping to make blood donation easy, convenient and comfortable. Branding options available.

SOLAR DONOR MOBILE CENTER

New mobile donor centers will benefit from having more efficient engines with higher mpg performance compared to our current fleet. The main goals for design will be to offer a superior design and optimal layout for the collections staff. The batteries for generators will be recharged in part by using renewable energy such as self-contained solar panels to be installed on top of the bus, and/or solar panels at our garages. We anticipate the initial design and delivery of the first bus will cost \$600,000-\$700,000.

AWARENESS AND DIGITAL MARKETING CAMPAIGNS

Support brand awareness and social media campaigns to help drive support for blood donations throughout the enterprise.

\$500,000

FUNDING INITIATIVES FOR NYBCe

SCHOLARSHIPS AND TRAINING THE NEXT GENERATION

\$250,000

In addition to providing high-quality blood products and conducting innovative research, we strive to train and educate the next generation of blood banking and transfusion medicine leaders.



High School Scholarship Program:

Support in celebrating high school students who attend schools that host blood drives by awarding them scholarship funding, which can promote increased community blood donation awareness and lifelong recurring blood donors.



Blood Bank Technologist Training Program:

Support NYBCe's efforts to fight the shortage of skilled laboratory professionals by expanding the workforce of certified blood bank technologists while also providing new opportunities for secondary education graduates to engage in meaningful careers.



Student Leadership Scholarships:

Support engagement of post-secondary students and their communities as their schools have an opportunity to earn up to \$1,000 in scholarship support by hosting virtual blood drives.

Future Leaders in Science:

A symposium for advanced science students at the high school level. This free program is a mix of brief lectures and tours of working laboratories specializing in blood research. Attendees will have a once in a lifetime opportunity to speak directly with leaders in the fields of Hematology, and Blood and Stem Cell biology.







"Support for the next generation of scientists and groundbreaking research often go hand in hand, and our researchers' unique experiences and perspectives fuel their work developing new ways to manage life-saving transfusions and innovative therapies."

KARINA YAZDANBAKHSH, PHD Vice President and Director of Research, LFKRI and Head, Laboratory of Complement Biology.

NYBCe RELIES ON THE GENEROSITY OF DONORS, VOLUNTEERS, AND FINANCIAL PATRONS TO FULFILL ITS MISSION AND CONTINUE PROVIDING LIFESAVING SERVICES.

By supporting NYBCe, patrons contribute to:



Saving Lives

Every blood and platelet donation have the potential to save multiple lives and improve patient outcomes.



Emergency Response

Funds help NYBCe respond swiftly to emergencies, disasters, and public health crises, ensuring a reliable supply of blood products.



Medical Research

Donations support research initiatives that advance transfusion medicine. develop new treatments, and enhance healthcare practices.



Community Health

Contributions promote community health and well-being by increasing awareness, access to blood donation services, and preventive care.

NYBCe's commitment to excellence, innovation, and compassionate care makes it a leader in the field of blood donation and transfusion medicine. With the support of patrons and partners, we continue to positively impact the lives of patients, families, and communities in need.







INNOVATION AND LIFESAVING IMPACT SUSTAINED THROUGH COLLECTIVE SUPPORT

Philanthropic support allows our world-class institution to continue providing lifesaving work to over 75 million people in 17 states. Together, individuals and institutions catalyze NYBCe's growth.

Aforementioned opportunities to give are just some of the ways you can support our mission and we would be honored to discuss other ways of making financial commitments. We are committed to our philanthropic partners and maintain an open line of communication. Irrespective of the size of your gift, a philanthropic commitment at all levels plays a vital role in innovating and creating impact in the lifesaving work we do every day.

We ask you to consider NYBCe in your giving plans.

We are the quiet catalyst for many of the finest medical institutions in the nation and we ask you to join us in our lifesaving work.



For more information on how you can support NYBCe:

- & Call 917.693.3517
- Scan the QR code to the left

Contact Nathaniel Pazik at Npazik@nybc.org

Usit our financial giving site **nybce.org/giveagift**