The University of Rochester is one of America’s leading private research universities and consistently ranks among the top in federally financed science, engineering, medical, and other research. In 2019, the University received $413 million in sponsored research funding across 1,892 awards. We are proud of our increasingly diverse student body, which represents all 50 states and more than 140 countries around the world. Our clinical care enterprise, UR Medicine, now includes six hospitals across the Finger Lakes and Southern Tier.

The University has added 9,000 employees over the last decade, making it the 5th largest private sector employer in New York State, and largest upstate-based employer. In that time, capital investments of more than $2.7 billion have been made, including major projects such as the Saunders Research Building, Golisano Children’s Hospital, Wegmans Hall/Goergen Institute for Data Science, UR Medicine’s Imaging & Autism Care Center, and the NextCorps high tech business incubator in the Sibley Building in downtown Rochester.

### STUDENT ENROLLMENT

<table>
<thead>
<tr>
<th>UNIVERSITY-WIDE</th>
<th>12,233</th>
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<tbody>
<tr>
<td><strong>FULL TIME</strong></td>
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<tr>
<td>Undergraduate</td>
<td>6,789</td>
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<tr>
<td>Graduate</td>
<td>5,030</td>
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<tr>
<td>Professional</td>
<td>423</td>
</tr>
<tr>
<td><strong>PART TIME</strong></td>
<td></td>
</tr>
<tr>
<td>Undergraduate</td>
<td>370</td>
</tr>
<tr>
<td>Graduate</td>
<td>1,803</td>
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### EMPLOYMENT

<table>
<thead>
<tr>
<th>TOTAL ACROSS THE UNIVERSITY AND AFFILIATES</th>
<th>32,488</th>
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</thead>
<tbody>
<tr>
<td>Full-Time Equivalent (FTEs)</td>
<td>28,257</td>
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<tr>
<td>Total Direct and Indirect Jobs</td>
<td>59,700</td>
</tr>
<tr>
<td>Faculty and Instructional Staff</td>
<td>3,108</td>
</tr>
</tbody>
</table>

### ECONOMIC IMPACT

- **5th**: Largest private employer in New York State
- **$225.4M**: Economic impact generated by international students
- **73**: Patents and 107 invention disclosures in 2017
- **35**: Start up companies created since 2008
- **$290M**: In annual capital investment
- **$413M**: In sponsored research funding in 2019
  - $290.8M federally sponsored
  - $14.5M state and local government sponsored

### STUDENT AID AND OUTCOMES

- **$274M**: In institutional scholarships provided this year
- **$26,927**: Average grant aid provided per student
- **86%**: 6-year graduation rate (Class of 2016)
- **$28,503**: Average loan debt at graduation (45% of the Class of 2019 graduated with no loan debt)
- **<2%**: Loan default rate (Compared to 10.1% national average)
UNIVERSITY OF ROCHESTER HOSPITALS AND SELECT AFFILIATES

- Strong Memorial Hospital
- Highland Hospital
- Golisano Children’s Hospital at Strong
- The Highlands (Living Center, at Brighton, at Pittsford)
- Thompson Health
- UR Medicine Home Care
- Noyes Health
- Jones Memorial Hospital
- St. James Hospital
- Strong West
- Nextcorps
- Excell Partners, Inc.

FINANCIAL AID

The University of Rochester is committed to meeting the full demonstrated need of all undergraduate students who earn admission to the College.

FINANCIAL FACTS

- Undergraduates receiving any financial aid: 81%
- First-year students receiving any financial aid: 74%
- Average total aid provided per student: $46,271

Students receiving non-need based scholarships exceeding their calculated financial need:

- First years: 20%
- Transfers: 7%

For the 2019 graduating class:

- Borrowed federal student loans: 48%
- Graduated with no loan debt: 45%
- Average federal loan debt at graduation: $21,206

Cost of attendance for 2019-20:

- Tuition and fees: $55,040
- Room and board: $16,548

STATE AND FEDERAL AID

- Students receiving NYS TAP: 758
- Students receiving NYS Bundy Aid: 999
- Students receiving Federal Pell Grants: 1,291
- Students receiving Federal SEOG: 1,072
- Students participating in NYS HEOP: 109
- Students participating in Federal Work-Study: 1,187

PURCHASING

The University and its affiliates purchased almost $1 billion of goods and services in 2017. Of this total, $182 million or 18 percent was spent in New York state, touching all but six counties.

CAPITAL INVESTMENTS

The University’s annual capital investments support around 3,500 jobs and bring in about $180 million of labor income to the state economy.
IN 2018, UR Medicine provided:

$367M IN COMMUNITY BENEFIT

Through its core missions, UR Medicine is dedicated to providing high-quality patient care, developing new treatments and cures, and training the next generation of providers to improve the health of our community.

OUR HOSPITALS

UR Medicine is the largest health care system in upstate New York, with 6 affiliated hospitals and many active relationships and collaborations across the region.

- 225+ outpatient clinics
- 1,391 licensed beds
- 71,110 inpatient admissions
- 250,303 ED visits
- 137,048 urgent care visits
- 51,622 ambulatory surgeries

ABOUT UR MEDICINE:

UR Medicine is the safety-net provider and most specialized academic health care system in upstate New York. Its six hospital system provides care across more than 15 counties with a population of more than 2.6 million.

- Strong Memorial Hospital is home to the region’s only Level 1 Trauma Center, children’s hospital, and other highly specialized services such as organ transplant, trauma and burn care, complex cardiology, and neurology.
- The School of Medicine and Dentistry is the leading source of new physicians in the area, training more than 750 residents and fellows per year.
- The University of Rochester is the largest employer in upstate New York and the 5th largest private employer in New York State.
- The University of Rochester Medical Center has received more than $1.18 billion in biomedical research funding over the last 5 years to study common and rare illnesses, from cancer and heart disease to Parkinson’s and pandemic influenza.

For more information, please contact: Office of Government and Community Relations
601 Elmwood Avenue
Rochester, NY 14642
585.273.5955
340B at UR Medicine

UR Medicine provides care to all patients who seek it, regardless of ability to pay. Savings from 340B supports investment in programs across the region that serve a high proportion of Medicaid and other underserved patients, despite significant negative margins. The 340B program helps us to:

- Fund a robust charity care program that provides millions annually in no cost and discounted medications to patients in need.
- Provide oncology care at 12 locations across 7 counties, allowing patients in rural communities to receive care closer to home.
- Discharge patients with their prescriptions, helping to improve medication compliance and reduce readmissions.
- Deliver comprehensive mental health and wellness care for adults, adolescents, and pediatrics.
- Expand substance abuse treatment programs and Naloxone training.
- Mitigate losses from rapidly rising drug prices and chronic underpayment by public payers like Medicare and Medicaid.

ABOUT THE COMMUNITY SERVED BY 340B

2.6M
Covered lives served across more than 15 counties in upstate New York

40%
of patients served by Strong Memorial receive Medicaid, are low-income Medicare, or uninsured

33%
of Rochester residents live in poverty, the 3rd highest concentration of poverty in the nation

75,000
office visits for cancer treatment and 95,000 infusion treatments at 12 UR Medicine clinics across upstate New York

80%
of patients served at UR Medicine’s Highlands at Brighton have Medicaid, at a loss of $2.2M per year (2017)

HOW THE 340B PROGRAM WORKS

The 340B Program was created by Congress to help safety-net providers serving low-income Medicare, Medicaid, and uninsured patients. It is not funded with taxpayer dollars, and instead requires pharmaceutical manufacturers participating in Medicaid or Medicare Part B to sell outpatient drugs at a discount to eligible hospitals. In turn, hospitals use the savings from the discount to stretch scarce resources to establish and support programs that improve access to quality care for low-income and uninsured patients.

For more information, contact: Office of Government and Community Relations
601 Elmwood Avenue, Box 706
Rochester, NY 14642
585-273-5955
2020-21 Budget Request: $1,000,000
2020-21 Executive Budget: $825,000
Agency: New York State Energy Research
Development Authority (NYSERDA)
2019-20 Enacted Budget: $825,000

Thanks to strong and consistent investment from New York State since 1983, the Laboratory for Laser Energetics (LLE) is one of the leading research facilities in the world, a vital component of our national scientific capital and technological competitiveness, a significant source of innovation and talent, a centerpiece of the Finger Lakes photonics cluster, foundational component to strategic work on an independent energy future, and one of the key economic drivers for upstate New York.

The LLE is currently the U.S. Department of Energy’s (DOE) largest university-based program in the nation and one of the only New York-based programs annually line-itemed in the federal budget. It is also home to the 2018 Nobel Prize in Physics. The proposed increase in state funding will leverage significant additional federal support and ensure the LLE’s status as the nation’s leading university-based research center in inertial fusion, lasers, and high-energy-density physics research.

A Global Leader
The LLE is a unique national resource not found at any other university in the nation and is one of the crown jewels of New York State technology and innovation. It is critical to strategic work on an independent energy future and an invaluable source of scientific leadership. The LLE is home to the largest, most powerful and capable energy lasers (OMEGA and OMEGA EP) at any academic institution in the world and is the only fusion research program jointly supported by the federal government, the State of New York, industry, utilities, and a research university. The LLE is the lead laboratory for the Direct Drive approach to fusion ignition, recognized by the National Nuclear Security Administration (NNSA) as one of the three viable approaches to this important goal for science-based stewardship, a grand scientific and engineering challenge for the 21st century. As home to some of the most advanced experimental and computational capabilities in the world, LLE is known nationally and internationally for its contributions to the DOE science-based Stockpile Stewardship Programs (SSP) in partnership with three NNSA labs (Los Alamos, Sandia, and Lawrence Livermore).

State and Federal Funding
The support the University receives annually through NYSERDA has leveraged substantial federal government and industry support, and has proven extremely valuable in demonstrating the state’s commitment to the DOE and the U.S. Congress. Thanks to the $825,000 appropriation included in the 2019-20 Enacted State Budget, the U.S. Congress provided $80 million in fiscal year (FY) 2020 funding for the LLE and LLE and DOE/NNSA recently finalized a $409,900,000 Cooperative Agreement (CA) for FY 2019-2023.

Support from NYSERDA has also been critical to leveraging support from other federal agencies, including DOE’s Office of Fusion Energy Sciences, Advanced Research Projects Agency-Energy (ARPA-E), National Science Foundation, and the Defense Advanced Research Projects Agency (DARPA). Increased funding from NYSERDA will affirm New York’s commitment to growing LLE and assist in the request for $86 million in FY21 federal funding.
Economic Impact
LLE has attracted more than $2.3 billion to NYS since its inception. This funding supports cutting-edge research, jobs for the region’s optics, photonics and imaging industry and the creation of new companies. LLE employs ~350 full-time employees, but indirectly supports an additional 500 jobs for a total impact of about 850 jobs, $56 million of income and $3.7 million in revenue to state and local governments. Since 2015, LLE has made more than $28 million in purchases from over 300 companies across NYS. LLE provides a strong stimulus to the local economy by helping attract and develop new companies and investors. For example, Sydor Technologies is one of several companies created through transfer of technology developed at LLE and is now one of the fastest growing companies in the area.

Scientific Leadership and Innovation
As one of the preeminent research facilities, the LLE serves a critical national security function and is also at the forefront of efforts to demonstrate the viability of nuclear fusion as an inexhaustible, clean, and affordable source of energy. The pursuit of fusion yield in the laboratory is critical for the long-term health of the SSP, and the University of Rochester and the LLE are proud to be part of the United States’ efforts to tackle this grand challenge and avoid technological surprises by another country such as Russia or China. Once realized, nuclear fusion will not only diversify the state’s energy portfolio, but will advance the state’s energy and economic well-being. While many challenges need to be overcome before fusion is an economically viable energy source, demonstrating the feasibility of inertial fusion energy as an inexhaustible, safe, and efficient source of energy would ensure that New York is the leader in reaping the incredible benefits of this technology. LLE has a history of transformational leadership in high-powered laser science and technology. Chirped-Pulse Amplification (CPA), first discovered at LLE and recognized with the 2018 Nobel Prize in Physics, has become the basis of all modern high-power lasers. CPA is now used in numerous applications, from advanced materials processing, including manufacturing glass for smartphone screens, to cancer treatments and LASIK eye surgery.

Education and Growing the STEM Pipeline
Education is an important component of the LLE’s mission. As the NNSA’s largest university program, the LLE is the only facility that trains graduate students, not just from Rochester but other leading institutions, in the Inertial Confinement Fusion (ICF) field providing an invaluable national security workforce pipeline. The LLE has provided an academic home to more than 500 PhD candidates, including more than 200 from outside the University, and has offered research opportunities to generations of undergraduates and many high school students. Currently, more than 100 students are conducting their research and education at the LLE, one-third of whom go on to work in the national laboratories in support of national security and a third are employed in the Rochester region after graduation.

The DOE has also designated the LLE as the National Laser Users’ Facility which allows the LLE to host more than 500 scientists from 55 universities, over 35 centers and national laboratories in 21 different countries on 4 continents to carry out fundamental research, training and education. The LLE also provides research opportunities for undergraduates, including students at nearby SUNY Geneseo, with many choosing to pursue additional STEM education. The LLE has partnered with SUNY Geneseo for more than 25 years and we annually provide around $400,000 in support for research and equipment as well as support for 26 undergraduate students and 6 faculty.

Additionally, the LLE sponsors an annual High School Summer Student Program, which has hosted over 360 students, producing 38 semi-finalists, and 4 finalists in the Regeneron Science Talent Search, the nation’s most prestigious science competition.

The Need for State Support
NYSERDA funding supports Nobel Prize winning science, jobs and local industry, diversifies the state’s energy portfolio, increases prospects for additional federal funding, and strengthens the LLE’s and New York’s global leadership in fusion and high-energy-density physics research.

The National Laser Users’ Facility (NLUF) program provides access to LLE’s facilities for academic users

University of Rochester | 2020 New York State Funding and Legislative Priorities
The University of Rochester Medical Center (URMC) is one of the leading academic medical centers in the nation and our hospitals consistently rank among the best in the country. UR Medicine is the largest health care system in Upstate New York, the safety-net provider for the region, and the most specialized academic health care system serving more than 15 counties across the state with a population of more than 2.6 million. Funding from New York State has a profound effect on our patient care and community health missions, impacting our ability to serve as the vital provider for our most vulnerable citizens while also serving as a hub for health care innovation and collaboration.

**Protect New York’s Hospitals, Nursing Homes, and Home Care Agencies**

As the State considers the need to eliminate $2.5 billion in Medicaid funding through the Medicaid Redesign Team (MRT) II, we urge all parties to consider the importance of protecting funding for safety-net providers. Hospitals are not the primary driver of Medicaid cost increases, are already underpaid for the care they provide, and are constantly being asked to do more with less. The potential cuts come after a $5 million cut to UR Medicine last year and a $500 million across the board cut to all providers on New Year’s Eve at the same time the federal government is seeking additional reductions.

New York’s health care providers continue to reshape our health care delivery system in order to improve quality, access, and outcomes. The significant reforms required to improve delivery system performance, including investing in information technology, care coordination, integration of care, and other critical projects, require significant investments that are often difficult to shoulder with low operating margins.

- **We urge the Legislature and the Governor to focus on the main drivers of cost, reducing the savings target, protect safety-net providers, and consider the need to reform and improve the Global Cap.**

- **We urge New York to retain and expand critical health care investments – including new capital and other funding that recognizes the needs of urban and rural providers.**

- **We urge the Legislature to restore the $24.5 million in graduate medical education funding to five academic medical centers that was eliminated last year, which is vital to the training of the next generation of physicians in our state and ensuring continued access to services for the most vulnerable citizens.**

**Oppose New York Health Act**

New York’s health care providers continue to reshape our health care delivery system in order to improve quality, access, and outcomes. While we fully support ensuring all of New York’s citizens have health coverage, we are particularly concerned with the proposed New York Health Act (S.3577/A.5248) due to the potential for academic medical centers to be underfunded for services currently covered in partnership with commercial payers. Because of their missions in training and research, academic medical centers have unique costs that need to be accommodated into rate setting. It’s not clear under the current proposal how these costs, or costs associated with new technology and innovation, will be supported.

**Oppose Harmful Nurse Staffing Ratios**

We are concerned with legislation (S.1032/A.2954) that would mandate specific, statewide staffing ratios in hospitals and nursing homes. This proposal would impose arbitrary nurse staffing levels that take away flexibility to adapt to the specific needs of the patient population at any moment without any evidence of improved outcomes. URMC anticipates a system wide impact of more than $16 million in annual costs from this proposal and...
is gravely concerned about the ability to meet these workforce requirements with the significant staffing shortages already present in upstate New York.

- Staffing decisions should remain with local providers who are best equipped to determine effective and appropriate staffing required for the provision of safe, quality care.

Ensure the Most Appropriate Level of Care
Hospitals across New York State are facing a growing problem of long delays in discharging patients who have complex needs and are not easily placed into non-hospital settings. Complex case patients include a wide range of individuals, many of whom have co-occurring medical and behavioral health needs. As a result of challenges in discharging these patients, hospitals often end up serving as the safety net destination for these patients, often at significant cost.

- We urge New York State to focus on strategies to address the challenges hospitals face when trying to discharge complex case patients and urge solutions to help patients with intellectual and developmental disabilities transition into the most appropriate care settings for their needs once acute care services are no longer required.

Centers of Excellence for Alzheimer’s Disease
The University is home to one of ten medical centers and teaching hospitals, recognized nationally and by New York State as experts in the diagnosis and care of individuals living with Alzheimer’s Disease or other dementias (AD/AD). The Finger Lakes Centers of Excellence for Alzheimer’s Disease (CEAD) is at the forefront of research and clinical trials seeking effective treatments and a cure.

- Support the Executive’s proposal for maintaining $25 million in support for the NYS CEAD.

Support for New York’s Academic Dental Centers
The six academic dental centers in New York State, including the Eastman Institute for Oral Health, serve as the largest providers of comprehensive, preventive, primary, and specialty oral health care to Medicaid recipients, the uninsured, and the state’s most vulnerable groups.

- We urge the state to improve access to care to those with Intellectual and Development Disabilities by supporting the designation of these individuals as a Medically Underserved Population (MUP) in order to make available additional resources to provide direct care and improve workforce training.

Support Telemedicine Services
Widespread development and use of telemedicine programs, such as URMC’s Health-E-Access Telemedicine Program, will improve access to high-quality care in both urban and rural communities and reduce health care costs by reducing emergency room visits. We are grateful that New York State has recognized the importance of telemedicine through recently expanded commercial and Medicaid coverage for these services.

- We urge New York to require payment parity for telemedicine services to the same service provided by traditional means.

Improve Professional Licensing Process
The length of time to complete the New York State process for licensure in the health professions in New York State can take over six months, and is generally longer for internationally trained individuals. This process must be streamlined and improved in order to ensure patients in New York State are able to receive the care they need without having to travel out of the region or state and for New York to remain competitive with other states for the recruitment and retention of providers, particularly for specialists.

Support a Strong Clinical Laboratory Workforce
Institutions across New York State are facing an overwhelming shortage of clinical laboratory technologists. At Strong Memorial, we face a 10% vacancy rate compounded by growing concern that 50% of our current licensed clinical laboratory technology staff are eligible for retirement in the next 5 years. At the same time, the education pipeline isn’t large enough to backfill the vacancies.

- We urge New York to support additional educational programs, reduce delays in licensure applications for techs, and support an alternative method for nationally certified candidates with substantial training to become licensed.

Remove Scope of Practice Restrictions for Applied Behavior Analysis
New York is the only state in the country that restricts the practice of Applied Behavior Analysis to a diagnosis (autism). The restriction of scope is significantly interfering with the availability of behavior-analytic services by not allowing many groups of individuals to receive services that research has repeatedly demonstrated to be effective. Further, the restriction of scope interferes with the recruitment and retention of students in our graduate-level education programs in Applied Behavior Analysis and the educational attainment of our students.

- We urge New York State to remove the scope restriction on Applied Behavior Analysis by supporting A.6389A/S.4967A and A.2802/S.1821.
State support for public health and social service programs is critical to ensuring the development and expansion of academic-community partnerships that improve the health of our citizens and provide care to the underserved.

**Support for School Based Health Centers**
The University of Rochester sponsors the School Based Health Centers (SBHCs) at East High School and the Frederick Douglass Campus, two of more than 250 SBHCs statewide. Services to students include physical exams, health screenings, care for acute and chronic illnesses, mental health counseling, lab services, sexually transmitted disease and pregnancy testing and prevention, health education, and immunizations. Students receive services free of charge without regard to insurance status.

- **To ensure stability for these important services and restore non-Medicaid state grant funds that were reduced in 2017, we support $5 million in additional funding for School Based Health Centers statewide.**

**Support for Cancer Services Program**
The statewide Cancer Services Program is a preventive service that pays for breast, cervical, and colorectal cancer screenings for uninsured or underinsured adults. URMC provides these potentially lifesaving cancer screening services to six counties through the Cancer Services Program of the Finger Lakes Region.

- **We support $25 million for the Cancer Services Program to help thousands statewide to receive lifesaving cancer screenings and treatments without financial barriers to their care.**

**Support Treatment and Prevention of Eating Disorders**
The University of Rochester Medical Center is host to the Western New York Comprehensive Care Center for Eating Disorders, one of three Comprehensive Care Centers statewide. These Centers provide an unparalleled, comprehensive range of specialized clinical services for patients with eating disorders and ensure individuals receive timely, appropriate care. In addition to medical and psychological services, the Centers conduct community outreach and prevention.

- **We urge the Legislature to reject the Executive’s proposal to cut the Centers and urge them to restore $1.5 million in continued funding.**

**Support Children’s Environmental Health Centers**
The statewide, regional network of Children’s Environmental Health Centers is an efficient and cost-effective approach to the diagnosis, treatment, and prevention of children’s diseases caused by environmental factors and expands educational programs in children’s environmental health for professionals at all levels. These centers are addressing the major diseases confronting children today, including asthma, autism, allergies, attention deficit/hyperactivity disorder, leukemia, obesity, diabetes, and others. Thanks to state funding, the Finger Lakes Regional Children’s Environmental Health Center has created an infrastructure for education and outreach concerning environmental exposures in children and mothers.

- **We urge continued investment of $2 million in Environmental Protection Fund support for the Children’s Environmental Health Centers.**

**Support for Occupational Health Clinic Network**
The Finger Lakes Occupational Health Services (FLOHS), part of UR Medicine, serves a nine county region in the Finger Lakes and Western New York by focusing on diagnosis, treatment and prevention of work-related illnesses and injuries. FLOHS’ multidisciplinary team of professionals have been working with businesses and workers...
to prevent injuries and illnesses by providing preventive programs, medical screenings, and educational services regarding worker health and on the job safety, with many services targeted to underserved populations.

- We urge the state to provide level funding of $9.56 million for the NYS Occupational Health Clinics.

Support for Diversity in Medicine
With state support, the Associated Medical Schools of New York (AMSNY) have offered an array of programs across the state with the intent of expanding the pool of students choosing careers in health and medicine, including the AMSNYS Post Baccalaureate Program which provides academic enrichment and support to students from educationally or economically underserved backgrounds. AMSNYS Diversity in Medicine Scholarship program supports underrepresented medical students who agree to practice full time in a health care shortage area in NY after graduation.

- We urge New York State to provide level funding for the Diversity in Medicine Program at $1.244 million and $500,000 in continued funding for the Diversity in Medicine Scholarship.

Support the Community Optional Preventive Services (COPS) Program
The COPS program provides funding to prevent the need for foster care placement and to support preventive services for vulnerable families and children. Building Healthy Children, a collaborative effort between Mt. Hope Family Center, Monroe County, the Society for the Protection and Care of Children, and the University of Rochester has long benefited from COPS support to address the causes of child abuse and neglect through evidence-based practices and home visitation to provide parenting education, positive parent-child relationship development, treatment for maternal depression, and vital support services to low income teen families.

- We urge the Legislature to reject the Executive’s structural changes to the COPS program, and maintain funding at $12.125 million.

Support Nurse Family Partnership
The Nurse-Family Partnership is a nationally recognized, evidence-based, home visitation program operated by the Monroe County Department of Public Health and staffed by UR Medicine Home Care that improves the health, well-being, and self-sufficiency of low-income, first-time parents and their children. The Partnership currently serves more than 240 local families.

- Please maintain the $3 million in support included in the Executive Budget.

Support for Clinical Preceptor Tax Credit
Securing required clinical placements for students to receive intense first-hand clinical training in the health professions has become increasingly challenging in recent years. Unless we encourage new clinicians to serve as preceptors, New York State is at risk of not having an adequate health care workforce to meet future demands for care. We believe a financial incentive for clinicians who provide instruction as part of a clinical preceptorship will help address this issue.

- We support S.4033-A/A.3704 to establish a clinical preceptor tax credit of $1,000 for each 100 hours of instruction, up to a credit of $3,000 during a taxable year, to help address the shortage of clinical preceptors in a number of health professions.

Support for Early Intervention Services
Every year, 135,000 children statewide receive early childhood developmental services. Timely access to these services helps children achieve their optimal developmental potential resulting in better educational and health outcomes and, as adults, allowing them to contribute meaningfully to our community. However, low reimbursement rates for services have led to uncompetitive salaries and the closure of more than 60 non-profit preschools providing early childhood services across the state.

- We urge the state to increase reimbursement for Early Intervention and Preschool Special Education Services and increase Preschool Special Education classroom and other evaluation rates by 10%.

FAST FACTS

- Our School Based Health Center at East High School has more than 4,500 patient visits annually.

- Due to early detection and treatment, the Cancer Services Program has resulted in nearly $46 million in annual savings to the state.

- The Nurse Family Partnership was developed at the University of Rochester and is now in 42 states and the U.S. Virgin Islands.

- Over the past 5 years, the 3 Comprehensive Care Centers for Eating Disorders have treated in excess of 10,000 patients.

- After completing the one-year AMSNYS Post Baccalaureate Program, 93% of students matriculate in a New York State medical school.
Scientific advances in life sciences research hold the potential for new ways to understand, prevent, and treat diseases, as well as the ability to gauge the effectiveness of various medical interventions to improve the quality and delivery of health care. New York State possesses a significant academic infrastructure of skilled researchers who are not only in position to make significant strides in health discoveries, but grow and reshape the entire field of life sciences and inevitably drive our regional economies.

The University of Rochester is Upstate New York’s premier life science research institution and receives more funding from the National Institutes for Health (NIH) than any other institution outside New York City, making the Finger Lakes region home to Upstate’s largest and most active concentration of biomedical research and life sciences business activity. The University is home to the NIH’s National Center for Advancing Translational Sciences (NCATS), which coordinates a network of more than 50 institutions across the country, and research at the University of Rochester Medical Center has led to numerous transformational discoveries that have saved and improved thousands of lives, including a surfactant to boost lung development in premature infants; the Haemophilus influenzae type B (Hib) vaccine preventing meningitis in children; and the world’s first cancer vaccine – the Human Papillomavirus (HPV) vaccine protecting against cervical cancer.

**We thank New York State for the commitment to funding the life sciences initiative to fuel discovery and innovation that will expand New York’s ability to commercialize research and grow the economy. As part of this initiative, the University of Rochester, the University at Buffalo, and Roswell Park Cancer Institute collaborated to form the Empire Discovery Institute, a $47 million drug discovery partnership to translate $1 billion of life science research at the institutions into a robust pipeline of commercially viable therapeutics.**

**New York Fund for Innovation in Research & Scientific Talent (NY FIRST)**

States across the nation are increasing their spending on biomedical research in order to be more competitive for federal funding opportunities. Massachusetts, Texas, California, Connecticut, and other states have instituted multimillion dollar programs to fund biomedical translational research. Researchers in New York State are being actively recruited by these states as funding from the federal government becomes increasingly difficult to secure.

It is critical that New York State enhance its research faculty recruitment and retention efforts to ensure long-term sustainability and competitiveness in biomedicine. By facilitating the recruitment and retention of established investigators with significant existing research grants, the return on investment in research jobs and matching funds brought into the state will be almost immediate. Every dollar invested by New York State in NYFirst results in an additional $6.50 in economic activity through institutional support and additional external grant funding brought to New York State.

- **We urge New York State to dedicate $20 million in**

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new funding and reappropriate unspent funds from SFY2019-2020 to further transform New York State’s economy into one based on innovation, research and scientific talent. The state’s investment will be matched 2:1 by New York State’s 16 medical schools, resulting in an overall investment of $60 million each year.

Support the Empire Clinical Research Investigator Program (ECRIP)
The ECRIP program supports training for clinical investigators in order to support strategically important areas of research for New York’s teaching hospitals and to assist in the recruitment and retention of these researchers. At the University of Rochester Medical Center, ECRIP grants have helped to accelerate clinical research trials related to improving outcomes with chemotherapy, improving ADHD care, and treating tumor-related epilepsy, among others.

- We urge New York State to provide level funding of $3.4 million in the 2020-2021 State Budget.

Support Stem Cell Research
The Empire State Stem Cell Program (NYSTEM) has strengthened the University of Rochester’s groundbreaking research programs and our scientists are recognized as pioneers in the field. Research projects that have been funded through NYSTEM have been critical to the expansion of stem cell research infrastructure, advanced the understanding of the potential of stem cells to treat a long list of diseases, and have made New York State researchers more competitive for millions in additional federal funding opportunities. The economic impact of this program in New York State has been significant, including $160 million in NIH and other federal funding, 750 full time jobs supported statewide and seven new biotechnology startup companies launched. New York’s continued commitment to stem cell science will ensure it remains a world-class leader in biomedical research.

- We urge New York State to provide $44.8 million for NYSTEM in the 2020-2021 State Budget.

Support Spinal Cord Injury Research
The New York State Spinal Cord Injury Research Program (SCIRP) has provided more than $124 million in research funding toward treatments for spinal cord injury since its inception in 1998. Funded by a surcharge on traffic ticket moving violations, this program has produced tangible clinical and scientific advances from robotics-based therapies to highly effective cellular replacement therapies that have been transformative for patients with these injuries while reducing their health care costs and ensuring their ability to maintain active working lives. Research projects funded through this program have attracted significant federal and private research support, industry partnerships, and the development of multiple patents. Given the advances in spinal cord injury research, we also thank New York State for the investment in a Neurorestoration Clinical Trial Network focused on novel treatments to maintain health, wellness and cure neurological disability.

- We thank the Executive for maintaining $8.5 million in support for the Spinal Cord Injury Research Program.

FAST FACTS

- The University of Rochester has been identified by the journal Nature Biotechnology as one of the top 10 universities in the nation for the impact of its life sciences research.

- The National Institutes of Health (NIH) award more funding to the University of Rochester than any other institution in New York State outside of the New York City area ($166M in FY19).

- The Finger Lakes region ranks 9th in Life Sciences Degrees and 3rd in Biomedical Sciences Degrees.

- In addition, Rochester has more STEM graduates per capita than any other U.S. metro area (larger than 1 million)—including Boston, Raleigh, NYC, etc.
Economic Development and Innovation 2020-2021

Thanks to state support, the University of Rochester is the 5th largest private sector employer in the state and the largest private employer in Upstate New York. The University is responsible for generating an estimated 59,700 jobs and $3.5 billion in total wages across New York State.

The University of Rochester is a national leader in translating discoveries into new technologies and applications that treat and cure disease, strengthening national security and global competitiveness, improving society, and helping our nation move toward a sustainable clean energy future. Since 1996, the UR has launched 62 high-tech startup firms and our research has fostered pioneering work in optics, lasers, cardiac arrhythmias, medical imaging, LASIK surgery, and vaccine development. Our innovation ecosystem, which includes state programs such as the Centers of Excellence and Centers for Advanced Technology, STARTUP-NY, and a Regional Technology Development Center, has been cited as a national model and is home to the 2018 Nobel Prize in Physics.

Support the Centers of Excellence (COEs)
New York State’s 14 Centers of Excellence are partnering with industry to transform research and technology capabilities into commercial applications. The University is grateful for the $1 million included in the enacted 2019-20 state budget for the Rochester Center of Excellence in Data Science. In the last two years, the Rochester Center of Excellence in Data Science has generated $67.9 million in direct economic impact and created or retained at least 35 jobs. Thanks to previous state support, the University of Rochester is already among the most powerful university-based supercomputing sites in North America.

Unfortunately, the Executive Budget proposal would eliminate all 14 Centers of Excellence (COEs), which are based at colleges and universities across the state. Additionally, the budget would cut the combined funding for the Centers of Advanced Technology and COEs by 20%, significantly dismissing the ability of these vital Centers to provide businesses with valuable expertise, access to high-tech equipment, and workforce development.

- We urge the Legislature to reject the Governor’s proposal to eliminate the Centers of Excellence.
- We urge the state to restore funding for the Rochester Center of Excellence in Data Science to $1 million in the 2020-2021 Budget.

Support the Centers for Advanced Technology (CATs)
The University’s Center for Emerging & Innovative Sciences (CEIS) has been a catalyst for growth in optics, photonics, and imaging through industry-university collaboration and technology transfer for more than 20 years. As one of only 15 CATs statewide, CEIS applies world-class research at the University of Rochester, Rochester Institute of Technology (RIT), and Cornell University toward the commercialization of technologies and products to help meet industry needs. CEIS has led or supported efforts to secure all four of the federal government’s advanced manufacturing programs focused on optics, photonics, and imaging for the Finger Lakes, including AIM Photonics. In the last two years, CEIS has generated $98.3 million in direct economic impact, and has created or retained at least 114 jobs.

- We urge the Legislature to reject the Governor’s proposal to consolidate the CATs and COEs into one program.
- We urge the state to restore funding for the Rochester Center for Emerging & Innovative Sciences $1 million in the 2020-2021 Budget.
Support Business Incubation, Hotspots, and NY’s Manufacturing Extension Partnership (MEP)

NextCorps, formerly High Tech Rochester (HTR), is an affiliate of the University of Rochester and the region’s only state- and federally-designated business incubator. NextCorps’s programs and services support innovation and growth across all stages of the company life cycle. NextCorps is part of NY’s MEP program, a designated Innovation Hot Spot, a STARTUP-NY location, and also manages and coordinates NYSERDA’s statewide effort to place experienced business executives known as “entrepreneurs-in-residence.” Through these programs, NextCorps is currently working with 160 companies across the region. NextCorps was a Regional Economic Development Council (REDC) priority project and represents the cornerstone component of the City of Rochester’s newly designated Downtown Innovation Zone. CGR estimates that the NextCorps incubator and accelerator will create at least 1,000 direct and “spillover” jobs from new start-ups and business expansion over a five-year period.

- We thank the state for awarding $10 million to NextCorps for the Luminate NY Photonics Venture Challenge.

- We urge the Legislature to support the Innovation Hotspots and Incubators and maintain funding at $5 million.

- We urge New York State to maintain $1.47 million in funding for the NY MEP program.

Support High Tech Matching Grants

Through the Empire State Development Division of Science, Technology, and Innovation (NYSTAR), funds are administered for the Matching Grants Leverage Program. The goal of the program is to assist New York State research institutions in attracting new federal and private foundation funding for applied research, technology acceleration, or supply chain assistance funding. For fiscal year 2018-19, NYSTAR funded four proposals through the Matching Grants Leverage Program at a cost of $3.4 million. Those proposals brought in $14.5 million in federal funds to the state.

- We urge the Legislature to support the High Tech Matching Grants by increasing the investment from $6 million to $8 million.

Support for the Regional Economic Development Councils and Upstate Revitalization Initiative

Thanks to support for projects such as the Goergen Institute for Data Science, College Town, and NextCorps, the region’s transformation is well under way. More than $400 million in state support has helped the region to diversify our economy, seize new opportunities, grow confidence, create jobs, and begin to overcome barriers to growth. Support from the Upstate Revitalization Initiative (URI), which includes a $500 million commitment to the Finger Lakes Region, is critical to take recent progress to the next level and create a stronger and more prosperous community.

- We thank Governor Cuomo and the Legislature and urge their continued support for the REDC process.
Higher education provides immeasurable value to New York’s students and is one of the best investments a society can make. Support for strategic investments in research capacity and activities, as well as funding for student financial aid, fosters the type of innovative programs that have long distinguished the University of Rochester and benefited the entire state. In order for our state to remain a global leader in technological and scientific innovation, we must ensure our students – from all socioeconomic backgrounds – have the opportunity to pursue high-quality, higher education through access to student aid. The University of Rochester believes that a high-quality post-secondary education must be accessible, affordable, provide students with a world-class experience, and create a pathway to a successful career.

Support the East High School and University of Rochester Partnership
Since 2014, the University of Rochester has served as the Educational Partnership Organization (EPO) for East High School. Before the partnership between East High and the University, East High was persistently failing and was on the verge of closure. At that time, only 33% of the class graduated on time and the dropout rate was 41%. Since the partnership, there has been a focus on family and community engagement, a focus on the appropriate curriculum, instruction, and assessment, and on providing the necessary academic, health, and social supports that every child needs to succeed. We are thrilled that East High’s average four year graduation rate for the 2018-19 academic year was 70% and, for the Class of 2020, the dropout rate has decreased to 11.6%.

- We urge the Legislature to support the partnership by renewing their educational partnership organization (EPO) agreement for another five years and by providing funds to the Rochester City School District to aid them in managing their budget shortfall. This aid should be paired with adequate oversight to ensure the funds are used to protect and maintain successful student focused programs.

Support the Tuition Assistant Program (TAP)
TAP is a critical resource that has helped 5 million New Yorkers since 1974 access higher education at public and private colleges and universities of their choice. Last year, 758 University of Rochester undergraduates received assistance through the TAP program.

- We urge New York State over the next 3 years to increase the minimum TAP award to $1,000, increase the maximum TAP award to $6,000, and increase the TAP income eligibility ceiling to $110,000.

Support the Higher Education Opportunity Program (HEOP)
HEOP, sponsored jointly by the University of Rochester and the New York State Department of Education, provides economically and educationally disadvantaged students access to support services and financial aid to help them succeed. HEOP students graduate at rates above the national average. Last year, 109 students at the University of Rochester participated in HEOP.

- Increase HEOP to $42.43 million to allow per student funding to increase to $8,400 (from $7,000) for students outside New York City.

Support Bundy Aid
Direct Institutional “Bundy” Aid is distributed to independent colleges and universities in New York State based on degrees conferred. At the University of Rochester, these funds provide scholarship assistance.
for New York families who have exhausted other forms of financial aid. The approximately $1 million we receive in Bundy Aid annually is vitally important to the $274 million in overall institutional tuition assistance we are able to provide our students.

- We thank the Executive for maintaining funding for Bundy Aid, and we ask that support be increased commensurate with any increases in K-12 support (3%).

Support the Higher Education Capital Matching (HECap) Grant Program
HECap allocations spur economic development, foster urban renewal, create thousands of jobs across the state, and leverage the state’s higher education institutions to sustain economic growth and expansion. In 2019, the University received $1 million in HECap funding to support the $15 million expansion of the School of Nursing’s Loretta C. Ford Education Wing to create new teaching and learning space.

- We urge the State to reject the Executive’s proposal to eliminate HECap and restore program funding to $30 million to help meet critical infrastructure needs and leverage higher education for economic growth and job creation.

Support Nursing Education
The University of Rochester urges continued support for the Senator Pat McGee Scholarship Program and Nursing Faculty Loan Forgiveness Program, as well as the High Needs Nursing Program, in order to continue to address nursing shortages in upstate New York. Many outstanding nursing students have been able to attend the University of Rochester’s School of Nursing thanks to the scholarship support available through these valuable programs.

- We thank the Executive for maintaining level funding of $3,933,000 for the McGee Scholarship Program and $941,000 for High Needs Nursing.

Support the Science and Technology Entry Program (STEP)
Since 1985, STEP at the University of Rochester has introduced 7th through 12th graders from under-represented and economically disadvantaged backgrounds to problem-based learning, conceptual thinking, and the skills needed to enter and succeed in careers in scientific, technical, and health-related fields, or the licensed professions. This year, the University has 57 students participating in our education pipeline, which includes one 6-week summer program, two 4-week programs, and a 12-week academic program.

- We thank the Executive for maintaining funding for STEP, we ask that support be increased for both STEP and its collegiate counterpart C-STEP to a total of $33.4 million for both programs.

FAST FACTS
- The University of Rochester ranked **#23 nationally** as a 2019 Best Value School by U.S. News & World Report
- **999 students** received Bundy Aid scholarships at the University of Rochester in the 2017-2018 academic year, totaling just under **$1 million**.
- **758 undergraduates** at the University of Rochester are relying on TAP this academic year.
- University of Rochester provided **$274 million** in institutional scholarships to students this year.
- **109 students** participate in HEO at the University of Rochester.
The Memorial Art Gallery (MAG) is one of the few university-affiliated art museums in the country that also serves as a community art museum. The MAG’s permanent collection of more than 12,000 works has been called the best balanced in the state outside of metropolitan New York City. In addition to its collection, MAG offers a year-round schedule of temporary exhibitions, lectures, concerts, tours, family activities, and educational programs. MAG’s Centennial Sculpture Park was also the centerpiece of the $19 million ARTWalk extension, a redevelopment of the city’s Neighborhood of the Arts.

Education and engagement of students is an important part of the MAG’s mission. As a cultural partner with the Rochester City School District (RCSD), the MAG offers in-gallery and hands-on learning experiences to students at Schools #23 and #29. Through this program, students in grades 1–6 visit the museum every Friday for eight consecutive weeks, where they spend time in the galleries with a museum educator and then create artwork of their own in the MAG’s Creative Workshop, connecting art with the school curriculum. In the 2018-19 academic year, the MAG provided tours to 7,049 K–12 students from urban, suburban, and rural districts. Of these visits, 1,176 were by students from RCSD Schools.

Now, more than ever, Rochester is focuses on revitalizing our city. The MAG sees itself as a vital component to that urban regeneration.

- We urge the Governor and Legislature to support the New York State Council on the Arts, which provides important grants to the museum in support of exhibits and programming and facilities improvements.

- We are thankful for the recent $600,000 award to the MAG from the Finger Lakes Regional Economic Development Council. This will be used for the final phase of the Centennial Sculpture Park and we will be seeking additional funds for this $5 million project to transform ten acres into a showcase of public art and urban outdoor space.

- Further, we urge additional funding for grant programs for NYS museums chartered by the Board of Regents to help fund curriculum-based Pre-K–12 and adult education opportunities.
FAST FACTS

- The MAG welcomed nearly 280,000 visitors in FY18.

- Through its cultural partnership with the Rochester City School District, the MAG provides an 8-week program to 225 students in grades 1-6 at RCSD Schools #23 and #29 through a multi-tiered approach that connects art to the classroom curriculum.

- The MAG’s Centennial Sculpture Park, opened in 2013, has recast 10 acres of the Gallery’s grounds into a showcase of public art and urban space in the heart of the Neighborhood of the Arts.

- The MAG provided professional development workshops for 379 area teachers last year.

- 512 low-income residents received free transportation, free museum admission and free family memberships through MAGconnect.