



LOCATION

- The LMA is located on a 213-acre site, three miles southwest of downtown Boston, adjacent to the neighborhoods of the Fenway, Mission Hill, Audubon Circle and the Town of Brookline.

SCOPE

- This unique concentration of 22 institutions includes three major Harvard affiliated teaching hospitals, three research or research treatment centers, three Harvard graduate schools, six historic colleges and universities organized into the Colleges of the Fenway**, a private secondary school, an art museum, one public high school, a State mental health center, a children’s treatment center, a religious institution, and an international pharmaceutical research company.



- MASCO members are: Beth Israel Deaconess Medical Center, Brigham and Women’s Hospital, Boston Children’s Hospital, Dana-Farber Cancer Institute, Emmanuel College, Isabella Stewart Gardner Museum, Harvard Medical School, Harvard School of Dental Medicine, Harvard T.H. Chan School of Public Health, Joslin Diabetes Center, Judge Baker Children’s Center, Massachusetts College of Art and Design, Massachusetts College of Pharmacy and Health Sciences University, Massachusetts Mental Health Center, Simmons University, Temple Israel, Wentworth Institute of Technology, Wheelock College (now B.U.), and The Winsor School. Mass. Eye and Ear, Merck Research Laboratories, the Boston University Wheelock College of Education and Human Development, and Fenway Health are Associate Members of MASCO.

- 112,000 people commute to and visit the LMA daily including employees, students, volunteers, non-member employees, patients and visitors.

EMPLOYEES/PHYSICIANS/ RESEARCHERS/FACULTY

- Each day in the LMA more than 57,000 employees (researchers, physicians and contractors), and 29,000 students provide medical care, conduct research, teach, attend school, or otherwise support these functions.



- Thirty two percent of LMA employees are Boston residents. Twelve percent of LMA employees live in Brookline and Newton, with another 8.5% commuting from the South Shore, Plymouth and the Cape.
- The LMA has added or exceeded 700 new employees every year for the past two decades.
- LMA institutions jointly average 7,000 job openings annually.
- Longwood employees represent every House of Representatives District in the state but one.
- 81% of LMA employees work for healthcare or research institutions.

STUDENTS

- The LMA has nearly 29,000 students including pre-school, public high school, and fully-on line students.
- LMA members have 22,500 traditional students, including undergraduate and graduate students and students in grades 5-12^{***}, 37 % of whom are graduate students, 61% are undergraduates.
- Six of Boston's 21 four-year small colleges (defined as enrollment < 4,800), are located in the LMA, and are known as the Colleges of the Fenway (COF). Their total enrollment made up over half (54%) of Boston's four-year small college enrollment.
- COF students comprise close to 19% of Boston's total students attending four-year colleges and universities. With 20,000 students, COF surpasses both UMass Boston (17,000) and Boston College (14,350). ^{****}
- Over half of Colleges of the Fenway students are from Massachusetts (57%), with over one-third from out-of-state (36%), and 6% international students.
- There is a new trend toward on-line programs now with nearly 2,500 fully on-line students.



PATIENTS/ VISITORS



- The LMA has 2.3 million patient visits annually: nearly 92,900 inpatient admissions and 2.2 million outpatient visits.
- There are an additional 3.8 million estimated annual visitors, including visitors to patients in the hospitals, cultural institutions and conference centers.
- Forty-one percent of all hospital-based outpatient clinical visits, and 43% of all inpatient admissions in the City of Boston were to LMA hospitals and clinics. ^{*****}
- LMA medical institutions accounted for nearly half (48%) of all staffed beds in Boston hospitals and trauma centers, with 1,858 staffed beds. ^{*****}
- There were 11,689 births in the LMA.

LAND USE

- The LMA is an economic powerhouse responsible for 25 million square feet in the region.
- The LMA proper has 20 million square feet of building space, including member and non-member facilities. The LMA has doubled in size four times since 1900.
- Another 1.56 million sf are leased or owned within one mile of the LMA, with facilities in Fenway/Kenmore, Brigham Circle, Brookline Village, Crosstown and Coolidge Corner.
- Over 3.04 million sf of academic campuses and healthcare facilities are owned or leased off-site, defined as more than one mile beyond the LMA.



GROWING RESPONSIBLY

- Consistent with the City's efforts to reduce impacts of students in Boston's neighborhoods, the Colleges of the Fenway are housing more student's on-campus with nearly 7,050 beds, a 4.1% increase since 2013.
- Over half of Longwood employees (54%) from Boston live in five neighborhoods: Fenway/Kenmore, Dorchester, Jamaica Plain, Brighton, Roslindale and Roxbury. The Fenway/Kenmore neighborhood is the #1 LMA employee zip code resulting in more people who 'walk-to-work'.
- Twenty-eight LEED certifiable or certified buildings have been built in the LMA; 43% are certified as Gold. Another four LEED buildings are planned, under construction, or pending LEED rating as of Fall 2018.
- Fifty 'Cool Roofs' help reduce the heat island effect in the LMA. Of these there are nine green roofs and approximately 41 high albedo (white) roofs.



- Due to significant efforts by MASCO and its members only 29% of commuters drive alone. Public transit is used by 48% of LMA commuters. The remainder walk (10%), bike (4%), car and vanpool (4%) and use other means of commuting (5%).
- Over 30% of member waste is recycled or composted with a 142% increase in composting and a 6% decrease in solid waste since 2013.

WORKFORCE/ COMMUNITY DEVELOPMENT

Members are anchors for the community through significant contributions and resources to City, State and community including:

- Institutions voluntarily contributed \$22.3 million to the City of Boston's PILOT program in 2016, of which \$9.3 million was cash. Members sponsored nearly \$13 million in community programs that draw on their expertise and contribute significant value specific to Boston residents, as well as to the greater Boston area.
- Four LMA medical institutions donated \$117 million in state community benefits, including nearly \$78 million in Net Charity Care in 2016 absorbing the cost of treatment for those who cannot pay.
- LMA hospitals and outpatient clinics build, support and staff mission-related community health programs to cure and prevent disease, for health care programs, education and advocacy to Boston and its neighborhoods and the Commonwealth. The health care programs range from the development, operation and staffing of health care centers with partner communities, to outreach through operation of mobile diagnostic van services at 50 different sites, to advocacy and education related to specific health issues.
- \$2.9 million are invested annually by LMA institutions in school-based workforce, career ladder and mentoring programs.
- Over \$194 million in scholarships were awarded to enrolled students, of which \$24.8 million were to Boston residents.
- MASCO members offered 589 youth and adult community and workforce development programs that served approximately 15,350 people. There was an increase of 35% in trainees benefiting from medical programs.
- The Colleges of the Fenway are rooted in the community, have a tradition of community service, and are building the core economy of Massachusetts. 57% of COF students are from Massachusetts and 64% of Colleges of the Fenway alumni stay in Massachusetts. They support the Commonwealth's innovation economy (e.g., scientific research, higher education and healthcare), while filling core economy labor shortages including nursing, pharmacy, radiology, design, social work, engineering, and inner-city school teaching.



ECONOMIC

- Total revenues for MASCO member institutions were \$10 billion.
- Total net patient service revenue for LMA medical institutions was \$5.26 billion dollars.
- LMA payroll of over \$2.89 billion generated an estimated \$184 million in state income tax revenues for the Commonwealth, including payroll generated through research funding.
- Massachusetts was the number two state recipient of National Institutes of Health (NIH) funding in FY 2016, following California, receiving \$2.57 billion dollars. The LMA is responsible for nearly \$1.1 billion in NIH funding, or forty-three percent of the Massachusetts' total.
- If the LMA were ranked as a state in NIH funding, it would be number seven, after Texas, and before Maryland.
- LMA institutions received over \$2 billion for research, when including private industry and other research funding.
- NIH funds are used to find causes of common and rare diseases and accelerate cures for the community. Among LMA research specialties are: diabetes, cancer, heart diseases, Alzheimers, SIDS, and genetic disorders.



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Note: Data sources include the American Hospital Association,
The Boston Business Journal Book of Lists,
IPEDs College Navigator website,
National Institutes of Health website,
MASCO, and member institutions.

* Unless otherwise noted data are from 2016.

** These data include Wheelock College.

*** Not including pre-school, Boston Latin School, continuing education students.

**** COF student number is from MASCO, not NEJHE which included some off-site students.

***** Not including VA Hospital visits and admissions.