

Evaluate the adequacy of the facilities used to support the teaching and research missions of the medical school. How satisfied are students and faculty with the availability and quality of education and research space? Is the availability or quality of education space negatively impacting the ability to implement or change the medical education program as desired? (5.4)

Research. The University of Cincinnati College of Medicine complex houses state of the art research facilities to support the research and teaching missions of the medical school. Medical students compete for research experiences during their M1/M2 years and are fully able to access the research space and Cores detailed below. Students in the Medical Scientist Training Program are trained in research faculty laboratories during their graduate school portion of their MD-PhD degree requirements and have full access to all research infrastructure.

The **Medical Sciences Building (MSB)** is the primary College building located on the Academic Health Center campus which hosts research laboratories, faculty offices, classrooms, student lounge areas, the Health Sciences Library, and the main vivarium. The MSB is a 13 floor, 918,003 GSF* facility (includes Receiving and Service space) with 1,080 faculty offices (220,254 NASF**) and 103,968 NASF laboratory space with 176 research laboratories. The building supports basic (discovery), translational, analytics, and clinical research. Laboratory space is in the conventional, non-open model, with doors and locks for each room. The senior administration for the College, including the Dean are housed within MSB (87,579 sq.ft.). The Health Sciences library is conveniently housed within the MSB on the Entrance level and contains computer work stations for students and faculty alike. MSB contains the largest meeting room in the College of Medicine (Kresge) which can seat a total of 592. Most of the College's departments are wholly or partially contained within this building including Anesthesiology, Dermatology, Emergency Medicine, Family Medicine, Internal Medicine, Neurology, Neurosurgery, Ob/Gyn, Ophthalmology, Orthopaedic Surgery, Otolaryngology, Pathology, Surgery, Molecular Genetics, Informatics, Systems Physiology and Pharmacology.

Within the MSB is a Biosafety Level 3 laboratory of 3,141 NSF***. The largest animal facilities are located on the Receiving level of MSB, with 17, 600 sq.ft. for animal housing and 17,217 sq.ft. for support and procedures.

Immediately adjacent and connected to the MSB to the north and west, is the new **CARE/Crawley** wing which is also 7 floors, with a total of 250,787 GSF, 18 offices totaling 8,290 NASF and 116 research labs with a total of 71,179 NASF laboratory space. The laboratories are the "open" model with "bays" that are laboratory benches assigned singly or in multiples per investigator. Common areas, e.g. tissue culture rooms, flank the bay area on one side, with technician and student carrels flanking the other side. All laboratories are locked and have energy saving motion sensors. The CARE/Crawley building also houses the Stanley and Mickey Kaplan Reception Hall where various functions including Research Recognition Ceremonies, medical student recruitment, and poster sessions are held in this open space.

The **Cardiovascular Center (CVC)** is connected to the MSB on the north and east side. The CVC has a total of 143,878 GSF, has 9 floors, 85 faculty offices (16,390 NASF), and 123 research labs with 60,241 NASF. The laboratories are of the open model with bays assigned to investigators. Investigators who perform similar research, e.g. cardiovascular are often grouped together for ease of collaboration and idea exchange. A vivarium is contained within the CVC for ease of access for investigators (6,453 NASF).

The **Kettering building** houses the premier Environmental Health department which is an 8 floor facility with a total 169,811 GSF, 37,695 NASF laboratory space housing 88 research labs, and 186 offices totaling 33, 105 NASF. A vivarium is housed within the basement of Kettering and leased to Cincinnati Children's Hospital Medical Center (9,780 NASF).

Cancer Research laboratories are housed in the **Vontz building**, which support investigators in the department of Cancer Biology and faculty in the Division of Hematology/Oncology in the department of Internal Medicine. This structure brings together basic scientists and clinical investigators facilitating translational research efforts. The Vontz has 4 floors, a total of 212,601 GSF, 85 faculty offices totaling 13,586 NASF, 114 research labs (60,109 NASF). A small vivarium is housed within the Vontz building (4, 368 NASF). A new X-ray irradiator has been installed in the basement of the Vontz and is used exclusively for the conduct of research.

The **Reading Campus** facility is located off site from the main medical campus on Reading Road, an approximate 20-minute drive. The faculty from departments of Pathology and Psychiatry, and the Division of Endocrinology (Internal Medicine) are the primary UC residents. Once owned by Marion-Merrell Dow, the laboratories are spacious with many shared areas for collaborative discussions. Sensitive behavioral studies conducted by faculty from Psychiatry use the vivarium (21,480 NASF) that is isolated from noise and external disturbances. An auditorium on the first floor is used to host speakers and symposia. The Reading facility is 4 floors with a total of 370,227 GSF. The research space entails 82,577 NASF which houses 252 laboratories. There are 277 offices for a total of 37,418 NASF.

The Hoxworth Blood Center is located on Highland avenue within the medical center complex. It is our premiere blood donation center serving an 18-county area in Ohio, Kentucky and Indiana. Blood donations are collected, tested, and processed to provide blood and blood components to 31 hospitals and medical centers. Hoxworth has a total of 55,717 GSF for 2 floors in a building with 4 floors. Much of Hoxworth is diagnostic space and not research space, though there are 5 research labs with a total of 3,276 NASF. Offices number 90 with 27,040 NASF.

One Stetson Place houses faculty and staff from the departments of Psychiatry and Neurology. This building of 4 floors has a total of 220,328 GSF with 1 research lab (1, 327 NASF) and 293 offices (61,560 NASF).

The **Surgical Research Unit (SRU)** is housed in 5 floors with a total of 37,256 GSF. Within this space are 18 research labs (7,997 NASF) and 69 offices with a total of 11,052 NASF. The two large connected open laboratories support all of the basic science research in the department of Surgery. The second floor connects to the hospital for convenient access from divisional offices.

Cores. Research cores support cutting edge research by sharing costs for instrumentation and service among user groups. Most research cores are housed within departments and thus figure as a part of the overall GSF. The Genomics Core and the Center for Biostatistical Services are housed in Environmental Health; the Live Microscopy Core is in Pharmacology and Systems Physiology; the Center for Biological Microscopy, Proteomics, and Preclinical Imaging Cores are housed in the Vontz; the Biosafety Level 3 Facility is contained in MSB; a small FACScalibur Flow Cytometry Core is in Molecular Genetics; the Fernald Database and Biospecimens Service freezers are stored off site; the Inhalation Core Facility is housed in MSB; the UC Biodispensary and the Histopathology Core is in Pathology. Faculty, staff and students have access to all CCHMC Cores at the internal price scale.

The total GSF of the above itemized space is 2,378,608 with 428,369 NASF of research space and 428,695 of office space. There are a total of 893 research labs and a total of 2,183 offices. Animal rooms are 70,926 NASF.

***Gross Square Footage (GSF)**

The Gross Square Footage is calculated from the outside of the exterior walls and is inclusive of all space within minus areas that are open to below.

****Net Assignable Square Footage (NASF)**

The Net Assignable Square Footage of a floor is calculated by adding all the rooms on a floor, excluding public corridors, elevators, stairwells, and all types of mechanical rooms, public bathrooms, custodial rooms, and shaft spaces. Note: NASF calculations do not include wall thickness or space that is open to below.

*****Net Square Footage (NSF)**

The Net Square Footage is the total square footage of all the rooms/areas on a floor. This includes assignable and non-assignable rooms. Note: NSF calculations do not include wall thickness or space that is open to below.