

Society for College and University Planning



CAMPUS FACILITIES INVENTORY (CFI)

2005 CFI Executive Summary

Until 2003, almost thirty years had elapsed since a public or private agency had taken responsibility for the comprehensive collection of data reflecting the size and growth patterns of college and university facilities. This report summarizes the third annual Society for College and University Planning (SCUP) Campus Facilities Inventory (CFI). SCUP has undertaken this project in order to respond to a critical need for postsecondary facilities data within the higher education community.

Campus Facilities Inventory (CFI)

The CFI is an annual survey, and is comprised of a common space data set, using standardized and familiar room use classifications. Planning and facilities professionals can use the CFI data to determine the status of their institution relative to others, and can gauge which institutions may experience common issues or problems based on enrollment, room use, or institution type. Only participating institutional staff receive full datasets for manipulation. Others may purchase the complete 2005 Campus Facilities Inventory

Report, which provides numerous comparative charts and tables in various institutional categories, but provides data in aggregate only—individual institutions are not identified.

SCUP's CFI provides benefits to higher education. As an increasing number of colleges and universities participate in the CFI, the data collected will substantiate and more accurately predict trends in construction that could produce long-term savings to institutions, while providing better service to students and other constituents.

Highlights

There were 295 participating institutions in SCUP's 2005 Campus Facilities Inventory. Some of the results of the survey, based on this sample, are highlighted below.

- A total of 651,759,397 NASF (net assignable square feet) of space was surveyed in the 2005 CFI. This is an increase of over 40 percent since the 2004 CFI when 461,140,280 NASF was surveyed.
- Over 66 percent of the participating institutions had SCUP members in the 2005 CFI.
- The largest number of participants, in both the 2004 and 2005 CFI surveys, falls within the enrollment range of 10,000 to 24,999 students.
- Private, four-year-and-above institutions are underrepresented in the 2005 CFI, only 14 percent of the total number of participants.
- The number of public two-year institutions increased from 43 in 2004 to 62 in 2005, which is 21 percent of the total number of participants.
- In addition to the 295 participants, eight institutions either submitted incomplete data or data that was not suitable for analysis.
- As expected, the mean amount of space per institution in the 2005 CFI was greater in the larger enrollment categories.
- All five of the major Carnegie Foundation classifications are represented in 2005 CFI. The largest number of respondents is in the Doctoral/Research University category.
- The NASF per student in most space categories is greater at private four-year-and-above institutions. In three categories public four-year-and-above institutions are stronger—Office, Support, and Health Care.
- There is more space per student at private institutions of all enrollment sizes, excluding those with predominantly graduate or professional programs. Some analyses excluded those institutions to avoid distorting the data.
- The total campus space per student is high for both public and private four-year-and-above institutions with less than 2,500 students. The public two-year institutions have a decreasing amount of space per student as enrollments increase. The four-year institutions, both public and private, have a definite pattern. Both start with a relatively large amount of space per student, in the institutions with fewer than 2,500 students. The amount decreases as enrollments increase, but then the amount rises. This happens at the public institutions after enrollments reach 10,000, and in the private sector with enrollments of 5,000 or more.
- In general, the amount of space per faculty ranges from 1,957 to 2,241 NASF for public four-year-and-above institutions, 2,013 to 3,126 NASF at private four-year-and-above institutions, and 992 to 1,595 NASF at two-year institutions.
- The amount of classroom space per student is highest for institutions with less than 2,500 students. There is more classroom space per student at private schools, in each enrollment group, than at public four-year-and-above and two-year schools.

- The amount of teaching lab and studio space per student is greatest at institutions with less than 2,500 students. For two-year colleges with fewer than 10,000 students, the amount of this type of space is greater than in all other types of institutions.
- The amount of research lab space is greatest at the smallest public and private institutions, excluding schools with predominantly graduate and professional programs.
- Library space per student is most at four-year-and-above private institutions in the 5,000 to 9,999 enrollment group excluding schools with predominantly graduate and professional programs.
- The greatest amount of athletic space per student is at private four-year-and-above institutions.

About the SCUP Campus Facilities Inventory Survey

In 2003, the Society for College and University Planning (SCUP) initiated a survey of facilities at higher education institutions. SCUP undertook this project in order to respond to an unmet need for postsecondary facility data. Prior to 2003, the most recent comprehensive data survey that included space data was the Higher Education General Information Survey (HEGIS) conducted in 1974. When the federal government replaced HEGIS with the Integrated Postsecondary Educational Data System (IPEDS), it eliminated facilities from its data collection process. IPEDS continued to survey institutions, but only for such characteristics as enrollment, finances, and faculty profiles.

In 1974, there were 3,038 public and private colleges and universities in the United States. Today there are over 4,000, an increase of more than 30 percent. Colleges and universities had a combined total of 1.3 billion net assignable square feet (NASF) in 1974. The current amount is unknown, but estimated at over 6.0 billion NASF.

Enrollments have increased even more dramatically—from 10,200,000 in 1974 to 15,900,000 in 2001. The National Center for Educational Statistics (NCES) projects a continued rise in enrollments in all categories of institutions. Both figures are from the *Digest of Education Statistics 2003*, p 222. The 2001 figure is for degree-granting institutions; the 1974 figure is for “Institutions of Higher Education.” There is no exact definition match for these two years.

The SCUP Campus Facilities Inventory (CFI) is an ongoing effort to provide facilities data to complement IPEDS and close the gap left by federal data collection decisions. A total of 100 institutions participated in the 2003 survey. The 2004 CFI saw the number of respondents that were analyzed nearly double to 189. In 2005 there were 295 participating institutions. As participation in the CFI increases, the variety of comparison campuses will likely increase and the database will become more valuable. SCUP was successful this year in adding data from Carnegie classes that were underrepresented in 2003. The

goal for 2007 is to double the number of participants.

In this survey, institutions were asked to report on the quantities of space in each room use category, such as classroom, teaching laboratory, and residential, which existed on their campuses at that time. The NCES 1992 publication, the *Postsecondary Education Facilities Inventory and Classification Manual (FICM)*, was used as the source of room use definitions in the CFI. FICM is generally accepted as the standard resource for facility description purposes, as most institutions of higher learning have adopted it as the basis for their space inventories.

In 2006, SCUP will integrate the new edition of the FICM into the CFI surveys so that CFI data will be accurate. We will work to crosswalk data entered from previous years to ensure that CFI reports and data continue to provide participants and readers with the most useful array of data possible.

Institutions that contribute to the CFI receive an Excel file containing data from all participating campuses. Only participating institutions may receive this data. SCUP considers facilities data to be valid for two years, so institutions need only submit every other year. SCUP encourages all higher education institutions to provide data. The CFI website, www.scup.org/knowledge/cfi/, is available for data input annually from February to April, so that additional institutions may join this effort.

SCUP CAMPUS FACILITIES INVENTORY (CFI)

In 2005, SCUP's comprehensive data survey, the Campus Facilities Inventory (CFI) had 295 participating institutions. Numbers of participants in all Carnegie categories increased significantly. Additional categories were included to allow finer comparisons in facility types.

Uniform definitions were used for facility types and data was associated with institutional information in the Integrated Postsecondary Educational Data Systems (IPEDS) classifications to ensure comparability and ease of interpretation.

The CFI provides . . .

- Data by Carnegie classification for different space functions/usages
- Comparisons among institutional types of campus physical facilities
- Comparisons by enrollment, size, and public/private status
- IPEDS data on student enrollment, number of faculty, etc.
- Opportunity to network with like-institutions for benchmarking purposes

This executive summary is provided at no cost to SCUP members. Postsecondary institutions that participated in the survey received access to the raw data for direct benchmarking with their peers. The complete report for 2005 is available for purchase, visit www.scup.org/knowledge/cfi/ for information.

Return the information below to the SCUP office by fax at 734.998.6532, visit www.scup.org/knowledge/cfi/ or contact cfi@scup.org for more information

- Yes, I'm interested in participating in the 2007 institutional survey—allows access to raw data from all participating colleges and universities. (please print)

SCUP ID NUMBER	FIRST NAME	M.I.	LAST NAME
JOB TITLE	ORGANIZATION		
DEPARTMENT			
ADDRESS (NOT A PO BOX)			
CITY	STATE/PROVINCE	ZIP/POSTAL CODE	COUNTRY
COUNTRY CODE	PHONE	FAX	
E-MAIL			

- Yes, I'd like to purchase a copy of the complete 2005 report. Please visit www.scup.org/knowledge/cfi/ (\$125 for SCUP members; \$250 for nonmembers plus shipping and handling)

Prices subject to change without notice. Updated 8/21/06.

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