All U.S. Institutions with Classifications AA, BA, MA, or DR

(Carnegie Basic Classification 2010)
Number of 2016 CDS participants: 680

In the summer of 2016, 3,500 institutions were invited to contribute data to the EDUCAUSE Core Data Service (CDS). This almanac summarizes data from a subset of responding institutions. Some publicly available data from the Integrated Postsecondary Education Data System (IPEDS, nces.ed.gov/ipeds/) are used in calculating metrics. Reported statistics are either an estimated proportion of the population or an estimated median (rather than a mean). CDS participants can access data at www.educause.edu/coredata; non-participants can access other CDS resources at this site.

CENTRAL IT FUNDING

70%	Ongoing base funds available as a percentage of total central IT funds available at institutions reporting any ongoing base funds available
18%	Student technology fee funds available as a percentage of total central IT funds available at institutions reporting any student technology fee funds available
12%	Compensation paid from another source as a percentage of total central IT funds available at institutions reporting any compensation paid from another source
10%	Fee-based/cost-recovery funds available as a percentage of total central IT funds available at institutions reporting any fee-based/cost-recovery funds available
7%	One-time funds available as a percentage of total central IT funds available at institutions reporting any one-time funds available
7%	Carryover funds available as a percentage of total central IT funds available at institutions reporting any carryover funds available
58%	Institutions with a designated student technology fee
$ 248	Student technology fee revenue generated for the entire institution per student FTE
85%	Percentage of student technology fee funds allocated to central IT out of total student technology fee revenue generated for the institution

CENTRAL IT SPENDING

$ 993	Total central IT spending per institutional FTE (students, faculty, and staff)
$ 6,386	Total central IT spending per institutional employee FTE (faculty and staff)
$ 1,198	Total central IT spending per student FTE
$ 1,119	Central IT spending on professional development per central IT staff FTE
4.5%	Total central IT spending as a percentage of institutional expenses
46%	Percentage of institutions with a 5% or greater *increase* in total central IT spending
30%	Percentage of institutions with a 5% or greater *decrease* in total central IT spending

Central IT spending by type (as a percentage of total central IT spending):

54%	Ongoing compensation
0%	Fixed-term labor
1%	Professional development
34%	In-house infrastructure and services
4%	External providers

Central IT spending by domain (as a percentage of total central IT spending):

9%	Administration and management of IT
16%	Support services
10%	Educational technology services
0%	Research computing services
12%	Communications infrastructure services
16%	Enterprise infrastructure and services
3%	Information security
18%	Information systems and applications
80%	Percentage of total central IT spending on running the institution
10%	Percentage of total central IT spending on growing the institution
5%	Percentage of total central IT spending on transforming the institution

CENTRAL IT STAFFING

55%	Institutions whose highest-ranking IT officer is on presidential cabinet
4.0%	Central IT staff FTEs as a percentage of institutional employee FTEs
18%	Student worker FTEs as a percentage of total central IT FTEs
7.9	Central IT FTEs per 1,000 institutional FTEs
0.7	Central IT administration and management of IT FTEs per 1,000 institutional FTEs
2.4	Central IT support services FTEs per 1,000 institutional FTEs
1.0	Central IT educational technology services FTEs per 1,000 institutional FTEs
0.0	Central IT research computing services FTEs per 1,000 institutional FTEs
0.6	Central IT communications infrastructure services FTEs per 1,000 institutional FTEs
1.0	Central IT enterprise infrastructure and services FTEs per 1,000 institutional FTEs
0.2	Central IT information security FTEs per 1,000 institutional FTEs
1.4	Central IT information systems and applications FTEs per 1,000 institutional FTEs

EDUCAUSE

DISTRIBUTED IT

29%   Percentage of institutions with less than 75% centralization of IT expenditures

$ 581   Distributed IT spending per institutional FTE at institutions with less than 75% centralization of IT expenditures

37%   Distributed IT spending as a percentage of total institutional IT expenditures at institutions with less than 75% centralization of IT expenditures

27%   Percentage of institutions with less than 75% centralization of IT staff

4.0   Distributed IT FTEs per 1,000 institutional FTEs at institutions with less than 75% centralization of IT staff

44%   Distributed IT staff FTEs as a percentage of total institutional IT staff FTEs at institutions with less than 75% centralization of IT staff

EDUCATIONAL TECHNOLOGY SERVICES

14   Student FTEs per lab/cluster workstation provided by central IT

82   Student FTEs per *virtual* lab/cluster workstation provided by central IT

437   Student FTEs per kiosk workstation provided by central IT

175   Student FTEs per laptop/tablet provided by central IT for checkout or loan

90%   Institutions with collaborative spaces

68%   Institutions with team-based classrooms

37%   Institutions with makerspaces

Most common teaching and learning support services:
- Classroom technology and support for faculty (100%)
- Learning management training and support for faculty (100%)
- Faculty individual training in use of educational technology (99%)
- Technology-enhanced spaces (99%)

Most commonly achieved e-learning practices:
- E-learning technology delivery systems considered mission critical (93%)
- Highly reliable e-learning technology delivery systems (91%)
- Most e-learning technology services supported through a centralized system (88%)

Most commonly deployed e-learning technologies:
- Full-function online learning delivery system (91%)
- Student evaluation of teaching effectiveness (91%)
- Collaboration tools for learning (90%)

Most commonly deployed student success technologies:
- Degree audit (88%)
- Advising center management (61%)
- Credit transfer/articulation system (61%)

Classroom technologies most likely to be deployed soon:
- Wireless projection (35%)
- Automated lecture capture systems (22%)
- Remote monitoring for technical support (16%)

INFORMATION SECURITY

33%   Percentage of institutions with a dedicated person whose primary responsibility is information security

75%   Institutions that have conducted any sort of IT security risk assessment

20%   Institutions that have conducted an IT security risk assessment of cloud service or third-party providers

Most commonly achieved information security practices:
- Acceptable use policy defining the misuse of institutional IT resources and data (92%)
- Data backup process consistent with availability requirements (78%)
- Access control procedures to authorize/revoke access rights to information systems (76%)

Most commonly deployed information security systems and technologies:
- Malware protection (94%)
- Secure remote access (93%)
- Secure wireless access (91%)

60%   Institutions that are members of an authentication federation (e.g., InCommon)

52%   Institutions using multifactor authentication

INFORMATION SYSTEMS AND APPLICATIONS

Systems most commonly vendor managed (SaaS):
- E-mail: student (68%)
- E-mail: faculty/staff (47%)
- Learning management (39%)

Systems most likely to be replaced in the next three years:
- IT service desk management (24%)
- Customer relationship management (CRM) (24%)
- Business intelligence reporting (19%)
- Human resources information (19%)

Systems most commonly mobile friendly:
- E-mail: student (65%)
- E-mail: faculty/staff (64%)
- Learning management (56%)