In the summer of 2014, 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, www.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.

**CORE METRICS**

- $979 Total central IT spending per institutional FTE (students, faculty, and staff)
- $5,102 Total central IT spending per institutional employee (faculty and staff)
- $1,181 Total central IT spending per student FTE
- 5% Total central IT spending as percentage of institutional expenses
- 0% Total central IT spending as percentage change from previous year
- 35% Central IT noncompensation operating spending as a percentage of total central IT spending
- 51% Central IT compensation spending as a percentage of total central IT spending
- 10% Central IT capital spending as a percentage of total central IT spending
- $1,091 Central IT training spending per central IT staff FTE
- 3% Central IT outsourcing spending as a percentage of total central IT spending
- 4% Central IT staff as a percentage of institutional employees (faculty and staff)
- 22% Student workers as a percentage of total central IT FTE
- 8.6 Central IT FTEs per 1,000 institutional FTEs

**INSTITUTIONAL IT STRATEGY**

- 40% Institutions whose highest-ranking IT officer is on presidential cabinet
- 36% Institutions with a designated student technology fee
- $350 Student technology fee (annualized)
- 77% Percentage of central IT spending on running the institution
- 16% Percentage of central IT spending on growing the institution
- 9% Percentage of central IT spending on transforming the institution
- 3.0 Organizational capacity to deliver analytics services (1 = low, 5 = high)
- 2.3 Organizational capacity to govern IT (1 = low, 5 = high)
- 2.8 Organizational capacity to manage IT risk (1 = low, 5 = high)

**SUPPORT SERVICES**

- 17% Support services spending as a percentage of central IT spending
- 2.6 Central IT support services FTEs per 1,000 institutional FTEs
- 1.0 Desktop computing FTEs per 1,000 institutional FTEs
- 1.4 IT help desk FTEs per 1,000 institutional FTEs
- 80% Institutions offering self-service options for central IT help desk services
- 72% Institutions offering tier 2/level 2 service or higher for central IT help desk
- 33% Institutions with full deployment of private-cloud storage
- 34% Institutions with full deployment of virtual desktop infrastructure
- 39% Institutions with full deployment of application virtualization

**EDUCATIONAL TECHNOLOGY SERVICES**

- 10% Educational technology services spending as a percentage of central IT spending
- 1.0 Central IT educational technology services FTEs per 1,000 institutional FTEs
- 10 Student FTE per kiosk workstation provided by central IT
- 400 Student FTE per kiosk workstation provided by central IT
- 25 Student FTE per virtual lab/cluster workstation provided by central IT
- 181 Student FTE per laptop/tablet provided by central IT for checkout or loan
- 81% Institutions with collaborative spaces
- 56% Institutions with team-based classrooms
- 8% Institutions with makerspaces
- 3.5 Organizational capacity to deliver e-learning services (1 = low, 5 = high)
- 3.6 Organizational capacity to deliver student success technologies (1 = low, 5 = high)

**Most common teaching and learning support services:**

- Learning (course) management training and support for faculty (100%)
- Technology-enhanced spaces (100%)

**Most commonly deployed e-learning technologies:**

- Full-function online learning delivery system (90%)
- Student evaluation of teaching effectiveness (86%)
- Plagiarism detection system (79%)

**Most commonly deployed student success technologies:**

- Degree audit (81%)
- Academic early-alert system (46%)
- Advising center management (42%)

**Classroom technologies most likely to be deployed soon:**

- Wireless projection (31%)
- Automatic lecture-capture systems (audio and video) (24%)
- Remote monitoring for technical support (24%)
RESEARCH TECHNOLOGY SERVICES

- 0% Research technology services spending as a percentage of central IT spending
- 0.0 Central IT research technology services FTEs per 1,000 institutional FTEs
- 2% Institutions providing integrated IT support for research computing
- 10% Institutions planning to provide integrated IT support for research computing
  * TFOOPS capacity among institutions with high-performance computing
- 2.6 Organizational capacity to deliver research computing services (1 = low, 5 = high)

Most common IT-related research consulting and support services:
- Assistance in preparing research grant applications (80%)
- Review and/or approval of other technical aspects of research projects (76%)
- Consulting/support for storage solutions and data access (64%)

Services most commonly made available to external entities:
- Server hosting (12%)
- Access to specialized scientific apparatus (8%)
- Server management (8%)
- Storage resources (8%)

Most commonly deployed research computing systems and technologies:
- Videoconferencing services (76%)
- Specialized software (52%)
- High-performance internal network (44%)

DATA CENTERS

- 4% Data center spending as a percentage of central IT spending
- 0.2 Central IT data center FTEs per 1,000 institutional FTEs
- 30% Institutions using commercial data center services
- 17% Institutions hosting or participating in cross-institutional data center services
- 74% Institutions using SaaS to provide data center services
- 14% Institutions using PaaS to provide data center services
- 30% Institutions using IaaS to provide data center services
- 24% Institutions that tested data center disaster recovery plans in past year
- 17% Institutions with no data center disaster recovery plans in place

COMMUNICATIONS INFRASTRUCTURE

- 12% Communications infrastructure spending as a percentage of central IT spending
- 0.5 Central IT communications infrastructure FTEs per 1,000 institutional FTEs
- 83% Access points that are 802.11n
- 0% Access points that are 802.11ac
- 30% Ports that are PoE capable
- 6.5 Expected service lifetime of core/backbone network access layer (years)
- 0.4 Wired network hosts per wired network port
- 6.5 Wireless network hosts per wireless port
- 42% Institutions that provide ubiquitous cell service

Services provided in student housing with data networks:
- Landlines in some or all rooms (60%)
- Managed streaming services (18%)

Communications infrastructure technologies most likely to be deployed soon:
- Unified communications and collaboration (31%)
- Network capacity planning and management tools (17%)
- Session initiation protocol (SIP) (17%)

INFORMATION SECURITY

- 1% Information security spending as a percentage of central IT spending
- 0.1 Central IT information security FTEs per 1,000 institutional FTEs
- 2.5 Organizational capacity to provide information security (1 = low, 5 = high)
- 56% Institutions with mandatory information security training for faculty or staff
- 29% Institutions with mandatory information security training for students
- 17% Institutions that are members of an authentication federation (e.g., InCommon)
- 64% Institutions that have conducted any sort of IT security risk assessment

Most commonly deployed information security systems and technologies:
- Malware protection (90%)
- Secure remote access (90%)
- Network filtering (85%)

INFORMATION SYSTEMS AND APPLICATIONS

- 19% Information systems spending as a percentage of central IT spending
- 1.3 Central IT information systems FTEs per 1,000 institutional FTEs

Systems most commonly vendor hosted (IaaS):
- Web content management (14%)
- E-mail: student (14%)
- Library (12%)

Systems most commonly vendor managed (PaaS):
- Customer relationship management (CRM) (6%)
- Grants management: pre-award (6%)
- Grants management: post-award (6%)

Systems most commonly vendor managed (SaaS):
- E-mail: student (56%)
- Learning (course) management (41%)
- Facilities management (34%)
- E-mail: faculty/staff (34%)

Systems most likely to be replaced in the next three years:
- Web content management (28%)
- Customer relationship management (CRM) (24%)
- IT service desk management (23%)

Systems most commonly mobile friendly
- Web content management (61%)
- E-mail: student (58%)
- Learning (course) management (56%)

* Sample size of fewer than 15 institutions