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**

- $768 Total central IT spending per institutional FTE (students, faculty, and staff)
- $5,137 Total central IT spending per institutional employee (faculty and staff)
- $895 Total central IT spending per student FTE
- 4% Total central IT spending as a percentage of institutional expenses
- 2% Total central IT spending as a percentage change from previous year
- 32% Central IT noncompensation operating spending as a percentage of total central IT spending
- 56% Central IT compensation spending as a percentage of total central IT spending
- 7% Central IT capital spending as a percentage of total central IT spending
- $1,168 Central IT training spending per central IT staff FTE
- 1% Central IT outsourcing spending as a percentage of total central IT spending
- 5% Central IT staff as a percentage of institutional employees (faculty and staff)
- 24% Central IT staff as a percentage of institutional employees (faculty and staff)
- 7.2 Central IT FTEs per 1,000 institutional FTEs

**INSTITUTIONAL IT STRATEGY**

- 64% Institutions whose highest-ranking IT officer is on presidential cabinet
- 80% Institutions with a designated student technology fee
- $225 Student technology fee (annualized)
- 79% Percentage of central IT spending on running the institution
- 11% Percentage of central IT spending on growing the institution
- 7% Percentage of central IT spending on transforming the institution
- 3.2 Organizational capacity to deliver analytics services (1 = low, 5 = high)
- 2.5 Organizational capacity to govern IT (1 = low, 5 = high)
- 2.9 Organizational capacity to manage IT risk (1 = low, 5 = high)

**SUPPORT SERVICES**

- 14% Support services spending as a percentage of central IT spending
- 2.2 Central IT support services FTEs per 1,000 institutional FTEs
- 0.9 Desktop computing FTEs per 1,000 institutional FTEs
- 0.9 IT help desk FTEs per 1,000 institutional FTEs
- 98% Institutions offering self-service options for central IT help desk services
- 82% Institutions offering tier 2/level 2 service or higher for central IT help desk
- 36% Institutions with full deployment of private-cloud storage
- 46% Institutions with full deployment of virtual desktop infrastructure
- 48% Institutions with full deployment of application virtualization

**EDUCATIONAL TECHNOLOGY SERVICES**

- 11% Educational technology services spending as a percentage of central IT spending
- 1.2 Central IT educational technology services FTEs per 1,000 institutional FTEs
- 19 Student FTE per lab/cluster workstation provided by central IT
- 622 Student FTE per kiosk workstation provided by central IT
- 118 Student FTE per virtual lab/cluster workstation provided by central IT
- 217 Student FTE per laptop/tablet provided by central IT for checkout or loan
- 76% Institutions with collaborative spaces
- 51% Institutions with team-based classrooms
- 9% Institutions with makerspaces
- 3.6 Organizational capacity to deliver e-learning services (1 = low, 5 = high)
- 3.5 Organizational capacity to deliver student success technologies (1 = low, 5 = high)

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

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

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

- Full-function online learning delivery system (95%)
- Real-time web- or videoconferencing online learning environment (91%)
- Collaboration tools for learning (85%)

**Most commonly deployed student success technologies:**

- Degree audit (85%)
- Credit transfer/articulation system (67%)
- Academic early-alert system (52%)

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

- Wireless projection (33%)
- Automatic lecture-capture systems (audio only) (20%)
- Remote monitoring for technical support (20%)
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
- 12% Institutions providing integrated IT support for research computing
- 45% Institutions planning to provide integrated IT support for research computing
  - 2.6 TFLOPS capacity among institutions with high-performance computing
- 12% Institutions providing integrated IT support for research computing
- 45% Institutions planning to provide integrated IT support for research computing
- * TFLOPS capacity among institutions with high-performance computing

Most common IT-related research consulting and support services:
- Review and/or approval of other technical aspects of research projects (96%)
- Consulting/support for storage solutions and data access (90%)
- Review and/or approval of NSF-required data management plans (90%)

Services most commonly made available to external entities:
- Access to specialized scientific apparatus (21%)
- High-performance computing (13%)
- Visualization resources (8%)

Most commonly deployed research computing systems and technologies:
- Videoconferencing services (75%)
- Specialized software (63%)
- High-performance internal network (56%)

DATA CENTERS

- 4% Data center spending as a percentage of central IT spending
- 0.1 Central IT data center FTEs per 1,000 institutional FTEs
- 31% Institutions using commercial data center services
- 73% Institutions hosting or participating in cross-institutional data center services
- 68% Institutions using SaaS to provide data center services
- 16% Institutions using PaaS to provide data center services
- 31% Institutions using IaaS to provide data center services
- 20% Institutions that tested data center disaster recovery plans in past year
- 4% Institutions with no data center disaster recovery plans in place

COMMUNICATIONS INFRASTRUCTURE

- 11% Communications infrastructure spending as a percentage of central IT spending
- 0.5 Central IT communications infrastructure FTEs per 1,000 institutional FTEs
- 74% Access points that are 802.11n
- 1% Access points that are 802.11ac
- 40% Ports that are PoE capable
- 6.0 Expected service lifetime of core/backbone network access layer (years)
- 0.4 Wired network hosts per wired network port
- 9.6 Wireless network hosts per wireless port
- 51% Institutions that provide ubiquitous cell service

Services provided in student housing with data networks:
- Landlines in some or all rooms (61%)
- Managed streaming services (14%)

Communications infrastructure technologies most likely to be deployed soon:
- IPv6 (41%)
- Unified communications and collaboration (35%)
- Session initiation protocol (SIP) (33%)

INFORMATION SECURITY

- 2% Information security spending as a percentage of central IT spending
- 0.1 Central IT information security FTEs per 1,000 institutional FTEs
- 3.0 Organizational capacity to provide information security (1 = low, 5 = high)
- 72% Institutions with mandatory information security training for faculty or staff
- 28% Institutions with mandatory information security training for students
- 49% Institutions that are members of an authentication federation (e.g., InCommon)
- 81% Institutions that have conducted any sort of IT security risk assessment

Most commonly deployed information security systems and technologies:
- Malware protection (89%)
- Secure remote access (89%)
- Secure wireless access (88%)

INFORMATION SYSTEMS AND APPLICATIONS

- 18% Information systems spending as a percentage of central IT spending
- 0.9 Central IT information systems FTEs per 1,000 institutional FTEs

Systems most commonly vendor hosted (IaaS):
- E-mail: student (16%)
- Customer relationship management (CRM) (13%)
- Learning (course) management (10%)

Systems most commonly vendor managed (PaaS):
- Facilities management (4%)
- Procurement (4%)
- Human resources information (4%)
- Library (4%)

Systems most commonly vendor managed (SaaS):
- E-mail: student (52%)
- Customer relationship management (CRM) (31%)
- Learning (course) management (27%)

Systems most likely to be replaced in the next three years:
- E-mail: faculty/staff (35%)
- Customer relationship management (CRM) (32%)
- IT service desk management (28%)

Systems most commonly mobile friendly:
- Web content management (64%)
- Learning (course) management (62%)
- E-mail: student (59%)

* Sample size of fewer than 15 institutions