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

- **92%** Ongoing base funds available as a percentage of total central IT funds available at institutions reporting any ongoing base funds available
- * Student technology fee funds available as a percentage of total central IT funds available at institutions reporting any student technology fee funds available
- * Compensation paid from another source as a percentage of total central IT funds available at institutions reporting any compensation paid from another source
- **1%** 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
- **14%** One-time funds available as a percentage of total central IT funds available at institutions reporting any one-time funds available
- * Carryover funds available as a percentage of total central IT funds available at institutions reporting any carryover funds available

- **42%** Institutions with a designated student technology fee

- **$221** Student technology fee revenue generated for the entire institution per student FTE
- * Percentage of student technology fee funds allocated to central IT out of total student technology fee revenue generated for the institution

### CENTRAL IT SPENDING

- **$1,037** Total central IT spending per institutional FTE (students, faculty, and staff)
- **$6,604** Total central IT spending per institutional employee FTE (faculty and staff)
- **$1,224** Total central IT spending per student FTE
- **$1,196** Central IT spending on professional development per central IT staff FTE

- **4.8%** Total central IT spending as a percentage of institutional expenses
- **39%** Percentage of institutions with a 5% or greater increase in total central IT spending
- **27%** 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):

- **51%** Ongoing compensation
- **0%** Fixed-term labor
- **1%** Professional development
- **38%** In-house infrastructure and services
- **6%** External providers

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

- **10%** Administration and management of IT
- **16%** Support services
- **10%** Educational technology services
- **0%** Research computing services
- **10%** Communications infrastructure services
- **17%** Enterprise infrastructure and services
- **2%** Information security
- **20%** Information systems and applications

### CENTRAL IT STAFFING

- **35%** Institutions whose highest-ranking IT officer is on presidential cabinet
- **3.9%** Central IT staff FTEs as a percentage of institutional employee FTEs
- **21%** Student worker FTEs as a percentage of total central IT FTEs

- **9.4** Central IT FTEs per 1,000 institutional FTEs
- **0.9** Central IT administration and management of IT FTEs per 1,000 institutional FTEs
- **3.0** Central IT support services FTEs per 1,000 institutional FTEs
- **0.9** 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
- **1.1** Central IT enterprise infrastructure and services FTEs per 1,000 institutional FTEs
- **0.2** Central IT information security FTEs per 1,000 institutional FTEs
- **1.7** Central IT information systems and applications FTEs per 1,000 institutional FTEs

* Sample size of fewer than 15 institutions

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Distributed IT

11% Percentage of institutions with less than 75% centralization of IT expenditures
* Distributed IT spending per institutional FTE at institutions with less than 75% centralization of IT expenditures
* Distributed IT spending as a percentage of total institutional IT expenditures at institutions with less than 75% centralization of IT expenditures

6% Percentage of institutions with less than 75% centralization of IT staff
* Distributed IT FTEs per 1,000 institutional FTEs at institutions with less than 75% centralization of IT staff
* 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

9 Student FTEs per lab/cluster workstation provided by central IT
100 Student FTEs per virtual lab/cluster workstation provided by central IT
390 Student FTEs per kiosk workstation provided by central IT
163 Student FTEs per laptop/tablet provided by central IT for checkout or loan

85% Institutions with collaborative spaces
59% Institutions with team-based classrooms
22% Institutions with makerspaces

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

Most commonly achieved e-learning practices:
• E-learning technology delivery systems considered mission critical (94%)
• Highly reliable e-learning technology delivery systems (89%)
• Most e-learning technology services supported through a centralized system (89%)

Most commonly deployed e-learning technologies:
• Full-function online learning delivery system (93%)
• Student evaluation of teaching effectiveness (92%)
• Plagiarism detection system (88%)

Most commonly deployed student success technologies:
• Degree audit (92%)
• Academic early-alert system (66%)
• Advising center management (54%)
• Credit transfer/articulation system (54%)

Classroom technologies most likely to be deployed soon:
• Wireless projection (33%)
• Automated lecture capture systems (29%)
• Remote monitoring for technical support (25%)

Information Security

25% Percentage of institutions with a dedicated person whose primary responsibility is information security
71% Institutions that have conducted any sort of IT security risk assessment
5% 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 (89%)
• Cyber liability insurance (80%)
• Access control procedures to authorize/revoke access rights to information systems (79%)

Most commonly deployed information security systems and technologies:
• Malware protection (95%)
• Secure remote access (90%)
• Network filtering (86%)

37% Institutions that are members of an authentication federation (e.g., InCommon)
40% Institutions using multifactor authentication

Information Systems and Applications

Systems most commonly vendor managed (SaaS):
• E-mail: student (65%)
• Learning management (46%)
• E-mail: faculty/staff (46%)

Systems most likely to be replaced in the next three years:
• IT service desk management (30%)
• Customer relationship management (CRM) (29%)
• Business intelligence reporting (26%)

Systems most commonly mobile friendly:
• E-mail: faculty/staff (58%)
• E-mail: student (58%)
• Learning management (51%)
• Web content management (39%)

* Sample size of fewer than 15 institutions