



Instructional Technology Summary

2012-2013

Overview

Each year school districts in the state of Nebraska document technology information about their schools using the online technology planning tool provided by the Nebraska Department of Education. The tool provides organizations with documentation and data which can be used for continuous improvement planning, budgeting, and evaluation. It also serves to collect data the state must report for federal requirements. In the 2012-2013 school year, 247 of the 249 public school districts reported information using this tool. A section of this tool asks districts to document the inventory and type of instructional devices used in their school system. This report is an aggregate summary of the instructional technology used by reporting public districts in the state of Nebraska.

Instructional Computers

The term instructional computer is defined as Apple, PC or Linux, desktop or laptop computers used primarily by students or for learning purposes. These include classroom desktop units, teacher workstations, computer lab machines, laptop cart units, Library and Media Center machines for student use. Computers can be wired or wireless. The report asked districts to list

instructional computer inventories in one of three categories: Apple, PC, or Linux.

Figure 1 shows the percentage of inventory as reported by the public school districts.

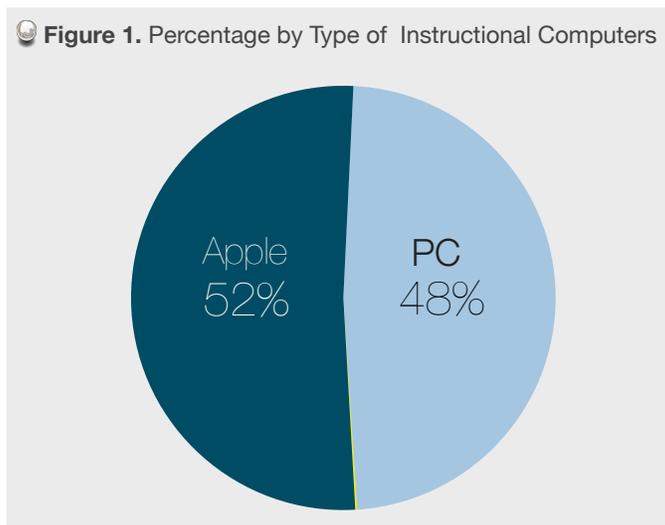


Figure 1 compares the number of instructional computers by category as submitted by reporting public school districts. 82,317 Apple instructional computers were reported, 76,814 were listed under PC, and 232 instructional computers were categorized as Linux.

Mobile Devices

A mobile device (also known as a handheld device, handheld computer or simply handheld) is defined as a small, hand-held computing device, typically having a display screen with touch input and/or a miniature keyboard. Examples include iPods, iPads, Smartphones, PDAs, etc. Laptop computers are not considered mobile devices. For the purpose of this summary, district information was calculated in the iOS category if the device field name included iOS, iPad, iPad Mini, or iPod. All other

submissions not using this terminology were totaled in the the category labeled other.

Figure 2 displays the results of the districts submissions by operating system.

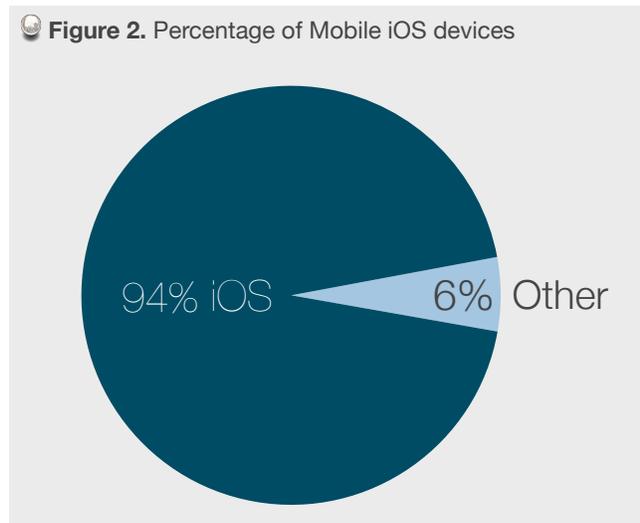


Figure 2 compares the number of mobile devices by operating system as submitted by reporting public school districts. 26,364 listed devices using iOS, while 1,595 devices using another operating system were listed.

Instructional Computers compared to Mobile Devices

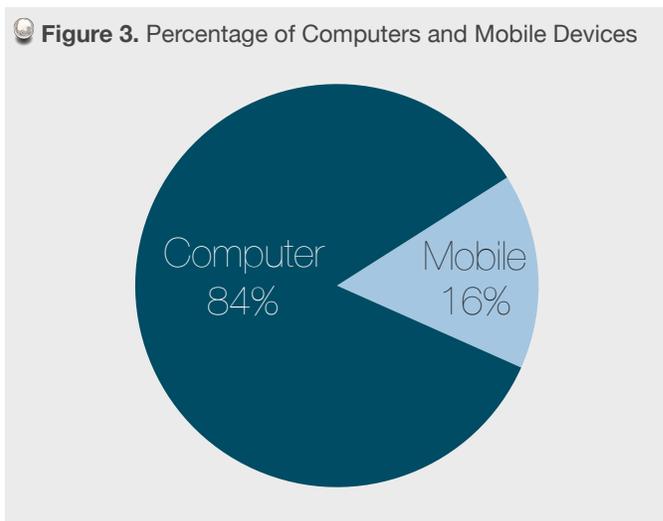


Figure 3 compares the number of instructional computers to mobile devices by percentage. 159,154 instructional computers were reported and 27,959 mobile devices were reported by 247 responding public districts.

In comparing the total number of instructional computers to mobile devices, each of the three categories of Apple, PC, and Linux were combined and compared by percentage to the total number of all mobile devices reported by public school districts. **Figure 3** shows the percentage of each category of instructional technology as reported by public school districts using the online technology planning tool.

Instructional Technology Per Student in Membership

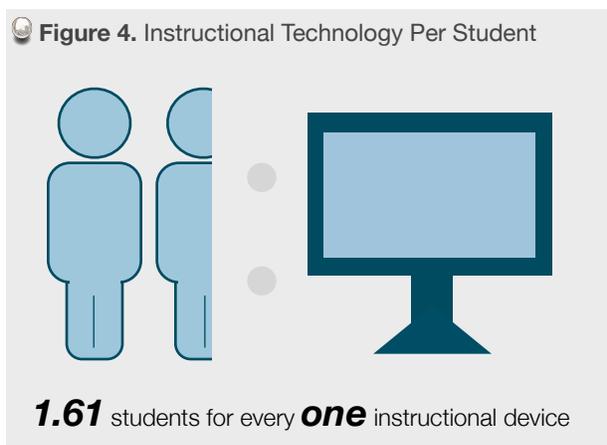


Figure 4 shows the ratio of students for every instructional device. 302,069 students were reported in membership on the State of the Schools report for the 2012-2013 school year. 187,295 instructional devices were reported by public school districts.

As an overall measure of instructional technology across the state, the total inventory for each reporting district was summed to create a statewide total. That number was divided by the membership enrollment for all reporting districts as reported on the State of the Schools Report for the 2012-2013 school year. **Figure 4** shows the number of students divided by the total number of instructional devices reported by districts using the online technology planning tool.

Summary

247 Nebraska school districts reported a total of 187,295 instructional technology devices for the 2012-2013 school year. Of that total, nearly 85% were either desktop or laptop computers. Those computers are nearly divided evenly between Apple and PC with districts reporting only slightly more than half as Apple computers. In contrast, mobile devices reported were overwhelmingly devices produced by Apple. Of the nearly 28,000 mobile devices reported, only 1,595 were reported as something other than an iOS device. Public schools in the state of Nebraska have a ratio of 1.61 students for every one instructional technology device.

The technology survey was designed by the Nebraska Department of Education Educational Technology office. The online tool is developed, hosted and maintained by Nebraska Department of Education Data, Research, and Evaluation center.