

# Deschutes Public Library District Survey Results



October, 2011

## The IMPACT Survey

An online tool that allows public libraries to collect information about how their communities use and benefit from the library's computers and Internet connection.

Prepared for **Deschutes Public Library District** by the University of Washington Information School with generous support from the Bill & Melinda Gates Foundation.

# Foreword

Thank you for participating in the IMPACT Survey! We hope you will find the following survey report useful for internal decision-making and planning, and for communicating the value of providing free access to computers and the Internet to policy-makers, funders, and your community.

The survey is an extension of the U.S. IMPACT Study. Conducted in 2009, the U.S. IMPACT Study was the first large-scale investigation of the ways library patrons use computers and the Internet at public libraries, why they use it, and how it affects their lives. The study was instrumental in providing evidence that access to the Internet at U.S. public libraries has a profound and measurable impact on individuals and communities. The study findings reported in first report, *Opportunity for All: How the American Public Benefits from Internet Access at U.S. Libraries*, have helped public libraries throughout the United States improve public access services and advocate for better support of public access computing. The study's second report, *Opportunity for All: How Library Policies and Practices Impact Public Internet Access*, was released in June of 2011.

This report summarizes how patrons use the public access technology provided by Deschutes Public Library District based on IMPACT Survey responses. The report is divided into four sections:

- The library profile contextualizes the survey results by providing information about the public access computing resources managed by the library. Research has found that these inputs affect patron outcomes. The overall results section summarizes how and how often patrons access the public access technology resources and services provided by Deschutes Public Library District.
- The section on public access technology by activity area reports on patron use across the following domains: education, employment, eBusiness, health and wellness, eGovernment, civic engagement, eCommerce, and social inclusion.
- Finally, the patron satisfaction and demographics section provides details on the types of patrons that completed the survey and how satisfied they are with the technology services provided by the library.

The survey results provide an overview of how providing public access technology services at the library benefits your community. To help your library effectively use these results in your advocacy efforts, we invite you to visit the IMPACT Survey website to access a number of additional advocacy tools (<http://impactsurvey.org/advocacy>).

Sincerely,

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<http://impactsurvey.org>

## Library Details

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Number of residents within legal service area:	157,733
Number of patron visits during past year:	988,455
Number of hours the library system was open during the past year:	17,916
Total operational expenditures during past year:	9,873,333
Total number of full-time equivalent paid staff:	84.20
Total number of public access Internet terminals within the library system:	153
Number of public access Internet terminal uses during past year:	290,200

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## Resources and Infrastructure

- 
- Source of IT support:
    - Dedicated library IT staff
  - Source of library Internet connection:
    - ISP
  - Maximum download speed of library Internet connection: 50 Mbps
  - Library provides wireless Internet access
  - Library provides the following assistive technologies for people with physical impairments/disabilities:
    - Screen magnifier software (e.g., MAGic)
    - Computer screen to speech software (e.g., JAWS)
  - Library uses session management software
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## Training

- 
- Library provides staff with access to learning resources and opportunities relevant to public access technology during working hours
  - Library offers appointments for one-on-one technology training/help
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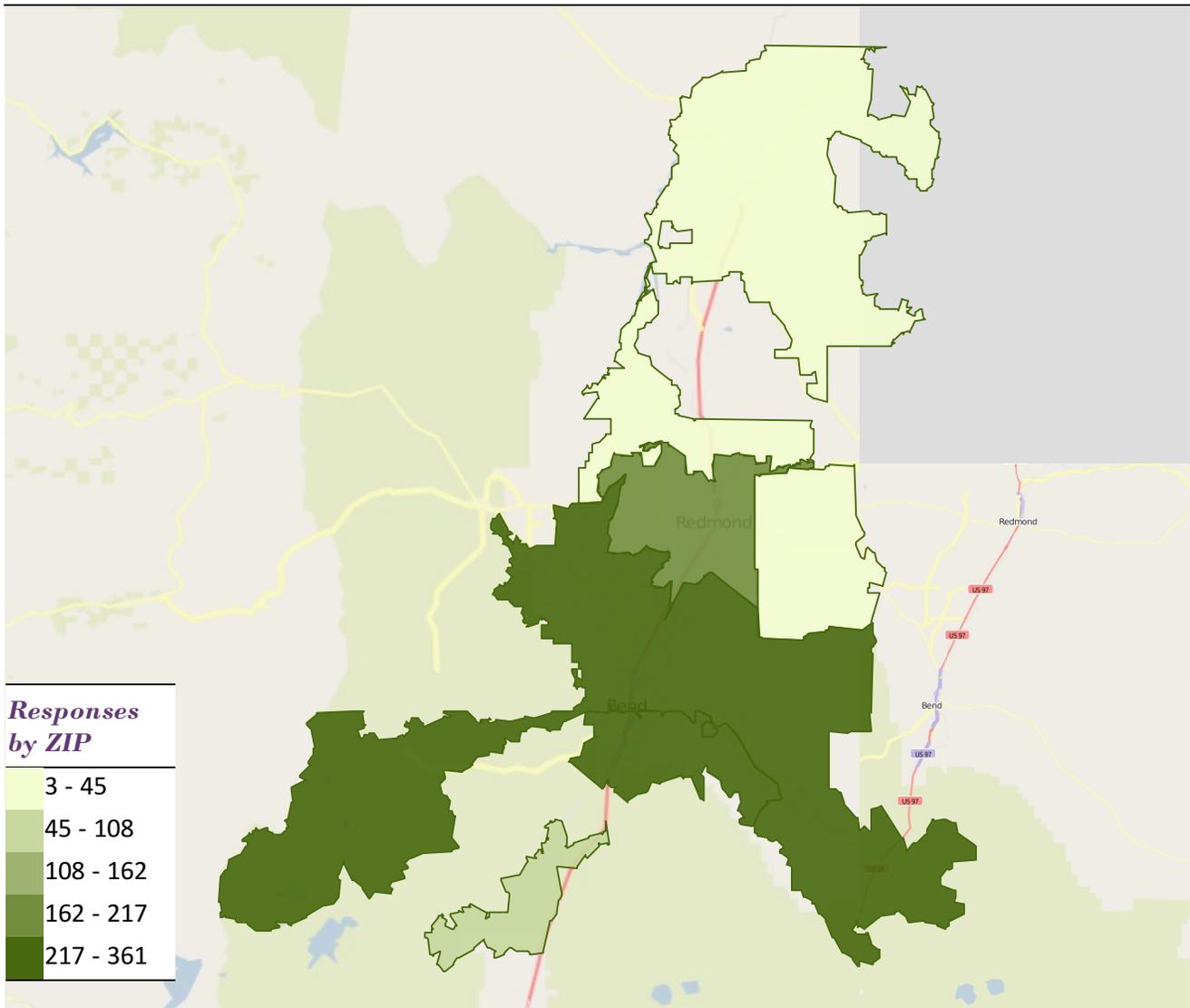
## Policies

- 
- Library includes public access technology in its strategic plan
  - Library tracks expenses related to public access technology service provision
  - Library has a public access technology hardware replacement plan
  - Standard maximum daily time limit for patrons using public access Internet terminals: 60 minutes
  - Librarians are permitted to extend the session time for patrons
  - Library staff are permitted to extend the session time for patrons
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# Overall results

Deschutes Public Library District ran the IMPACT Survey for **27** days between the dates of September 14, 2011 and October 11, 2011; a total of **982** people responded. Figure 1 shows the concentration of responses by ZIP code as reported by survey respondents.

*Figure 1: ZIP codes of web survey respondents*



## Library use

99% (973) of survey respondents visited the library over the past 12 months. Of those who did,

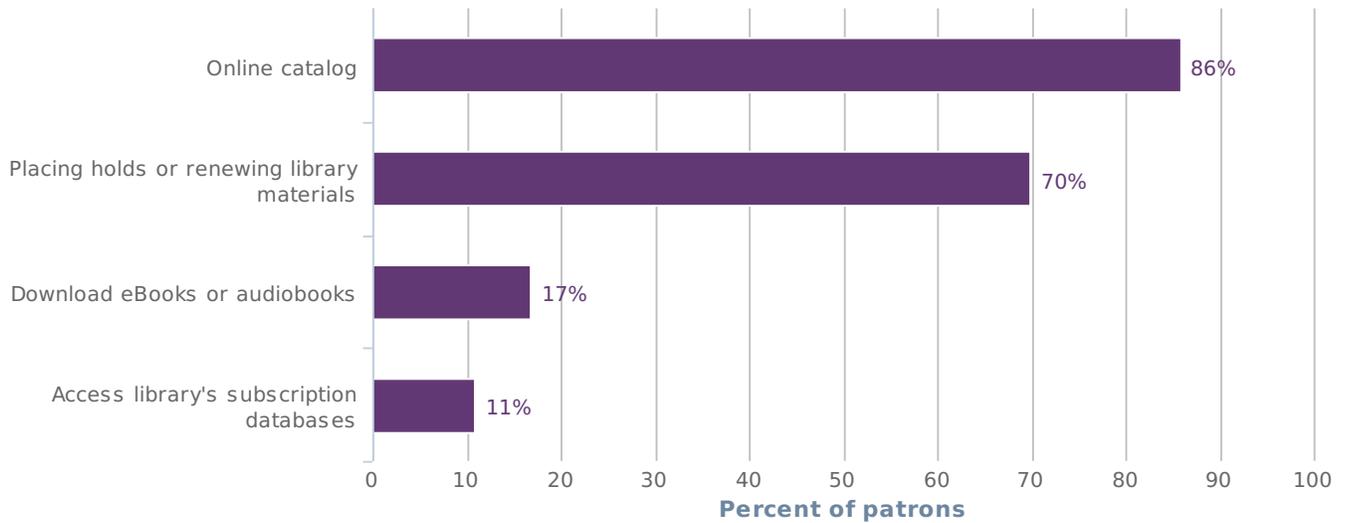
- **425 (44%)** visited the library once a week or more frequently;
- **441 (45%)** visited the library about 1-3 times a month;
- **107 (11%)** visited the library less than once a month.

## Accessing library resources through the library website

**79% (772)** of respondents **used the library's computers to access library resources** such as the online catalog, placing holds or renewing library materials, downloading eBooks or Audiobooks, or to access the

library's subscription databases (See Figure 2).

**Figure 2 - Library resources accessed using a library computer**



Of those who reported using library computers for these purposes in the past 12 months,

- **169 (22%)** did so once a week or more frequently;
- **230 (30%)** did so about 1-3 times a month;
- **373 (48%)** did so less than once a month.

### Remote visits to library website

**95% (930) of respondents accessed library resources through the library's website from outside the library** (e.g. from home, school, or work). Of those who accessed library resources remotely,

- **529 (57%)** did so once a week or more frequently;
- **309 (33%)** did so about 1-3 times a month;
- **92 (10%)** did so less than once a month.

In addition, 19% (186) of respondents accessed library resources through a handheld mobile device such as a cellphone, Blackberry, or iPhone.

### Use of public access computers or wireless network

Of the respondents, **45% (437) used a library computer to access the Internet during the past 12 months**, with frequencies as follows:

- **99 (23%)** did so once a week or more frequently;
- **57 (13%)** did so about 1-3 times a month;
- **281 (64%)** did so less than once a month.

**35% (340) accessed the library's wireless network connection using their own computer.** Of these respondents,

- **71 (21%)** used the library's wireless network once a week or more frequently;
- **77 (23%)** used the library's wireless network about 1-3 times a month;
- **192 (56%)** used the library's wireless network less than once a month.

**Overall, 57% of survey respondents had used a public access computer or the library's wireless network connection to access the Internet in the past 12 months.** Using either means of access qualified respondents as *public access technology users*. **89% of these users had regular access to a computer and the Internet somewhere other than the library.**

Many people with alternative means of access rely on the library for access to computers and the Internet while travelling. Of the users surveyed, **37% (206) reported they had used a library computer or wireless Internet connection while out-of-town during the past 12 months.**

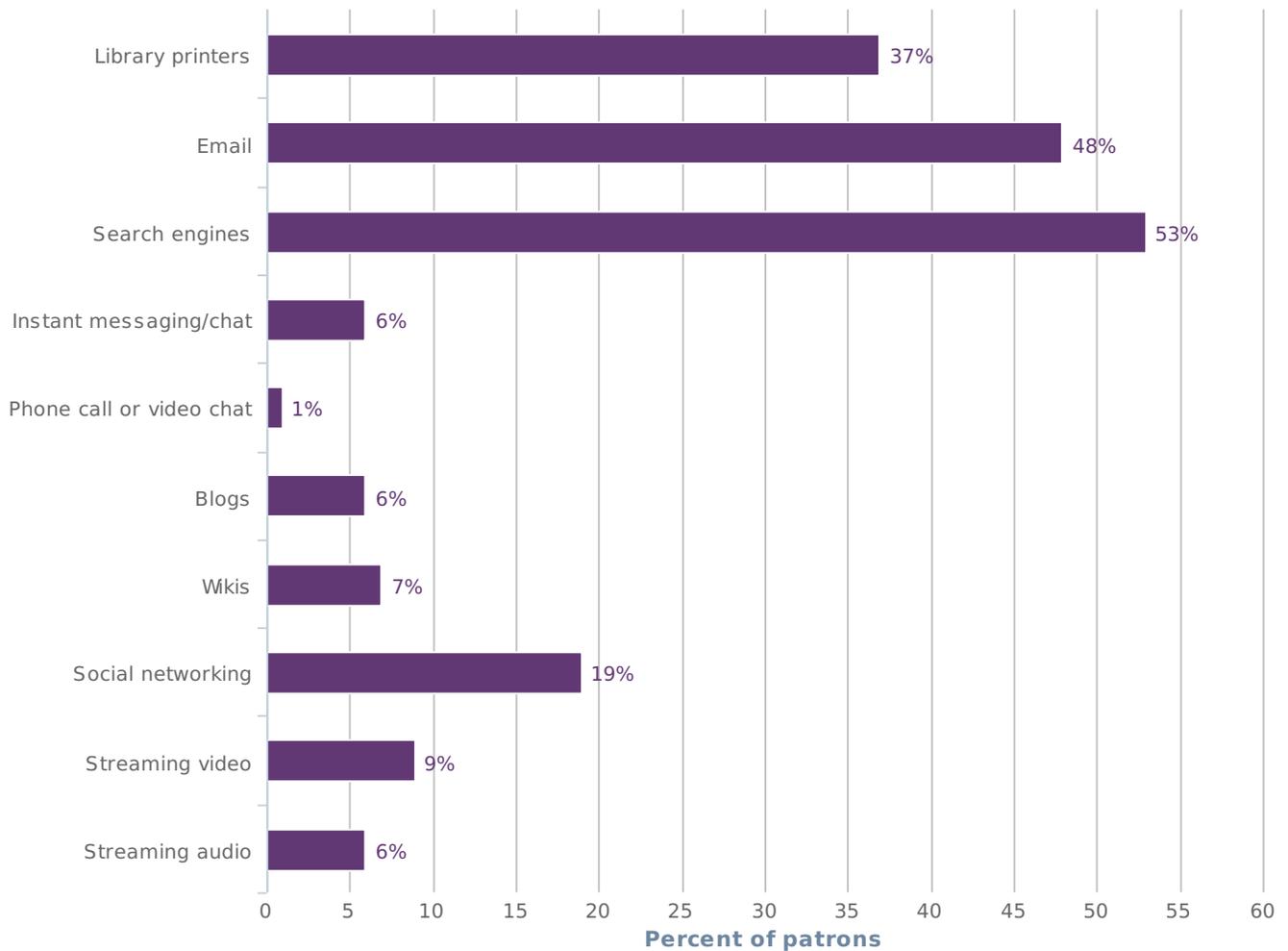
In addition to use while traveling, the U.S. IMPACT Study found several other important reasons driving respondents with alternative means of access to use technology resources at the public library:

- **Lack of access to high speed Internet at home.** The library Internet connection is used to download large files or access websites that require a high speed connection.
- **During gaps in access,** such as when moving to a new location or during power outages, or when a primary computer is broken or lacking in necessary software.
- **Household competition.** Especially among youth, competition with siblings or parents over a single household computer was a significant reason for using the library's computers when one was available at home.
- **For a change in scenery.** People who work at home sometimes use library computers and wireless Internet network to get out of the house. Job seekers also reported using computers in the library to maintain a normal schedule and stay connected to the community.
- **During lunch breaks or while out running errands.** Many users reported that they stop in to use the library's computers to check email, look up phone numbers or driving directions, or other quick tasks.
- **As a supplement to the library catalog** for such activities as looking up book reviews, reading lists, and other aids for selecting materials.

# Overall uses of public access technology

Public access technology users at Deschutes Public Library District reported accessing a variety web-based resources and network tools. Figure 3 describes the types of tools accessed over the past 12 months.

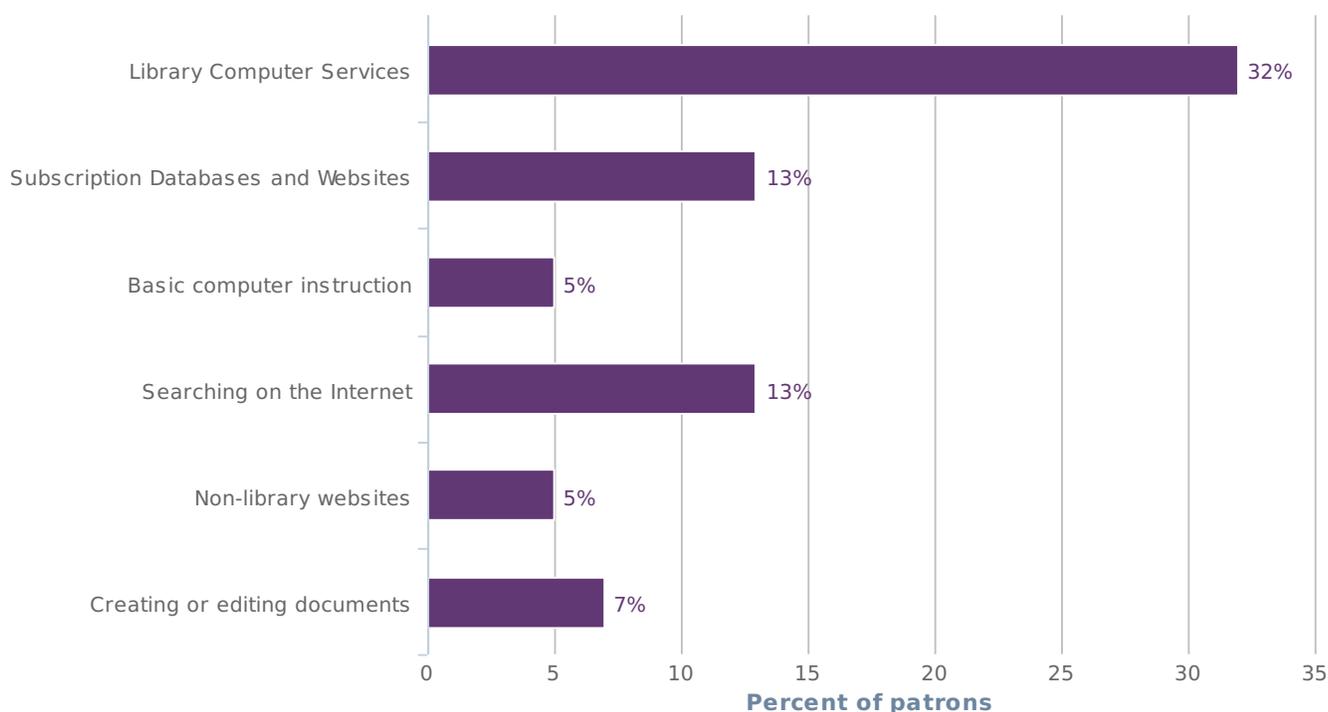
*Figure 3 - Tools accessed by patrons using the library's computers or Internet connection*



## Help and training

The U.S. IMPACT Study showed that a major draw to public access technology in libraries is the help and training available there. At Deschutes Public Library District, **50% of users reported having received one-on-one technology help from library staff or volunteers over the past 12 months.** Figure 4 shows the types of help these users received from library staff or volunteers.

**Figure 4 - Type of help received from library staff or volunteers**



Additionally, **8% (44) of users attended computer-related training or classes at the library during the past 12 months.** Note that this question was not asked of nonusers; **Deschutes Public Library District** may have patrons who take computer-related training classes but otherwise do not use the library's computers or Internet connection.

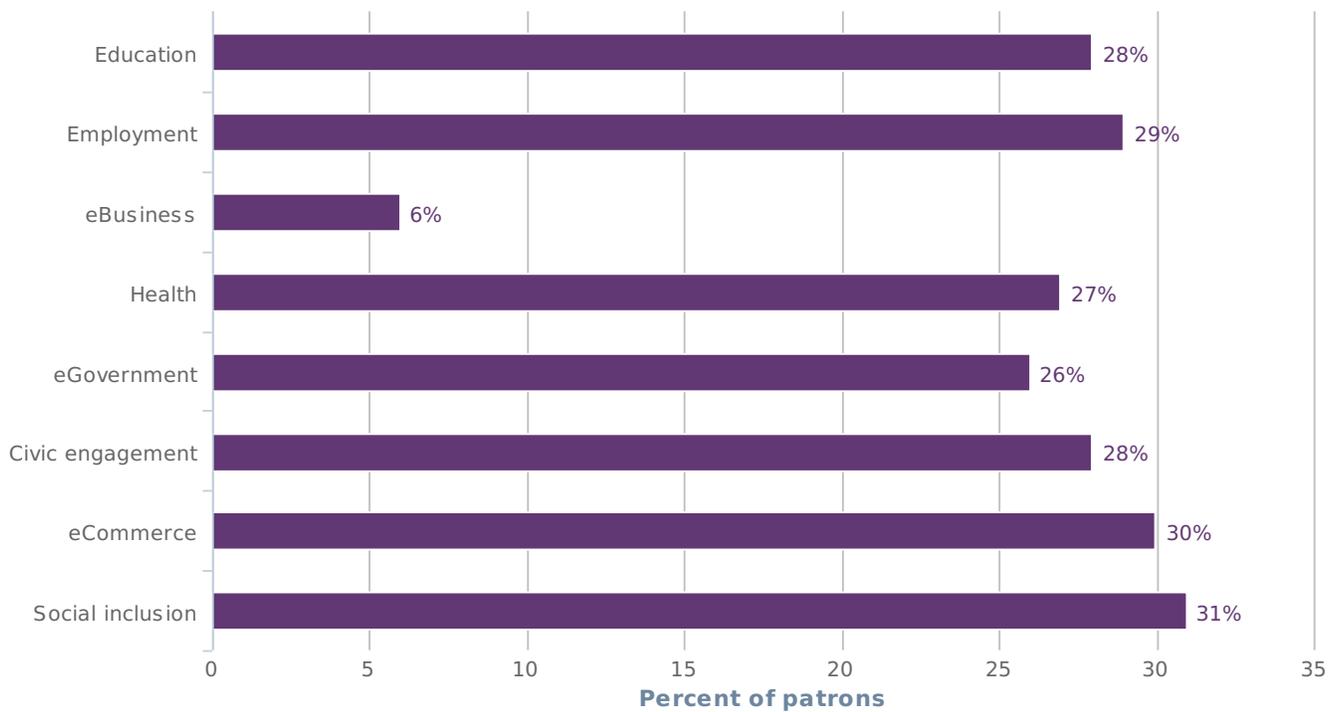
### **Using the library's computers on behalf of others**

The beneficiaries of library Internet access often extend beyond the individual users; at Deschutes Public Library District, **35% (194) of users found information or performed tasks for family or friends using the library's computers or Internet connection.**

## **Public access technology uses by activity area**

Technology in public libraries is important for helping people satisfy their needs to access information and perform tasks. Users were asked about how they used public library computers and wireless networks in relation activities associated with education, employment, eBusiness, health and wellness, eGovernment, civic engagement, eCommerce, and social inclusion. Figure 5 shows the overall use of public access technology in those areas; the following sections further detail their activities.

**Figure 5 - Public computer use by area**



## Education

At Deschutes Public Library District, 28% of users indicated they had used the public library's computers or wireless network for educational purposes. The majority of users who engaged in this activity, 27%, were between the ages of 45 and 54 (Figure 6).

**Figure 6 - Ages of patrons using public access technology for education**

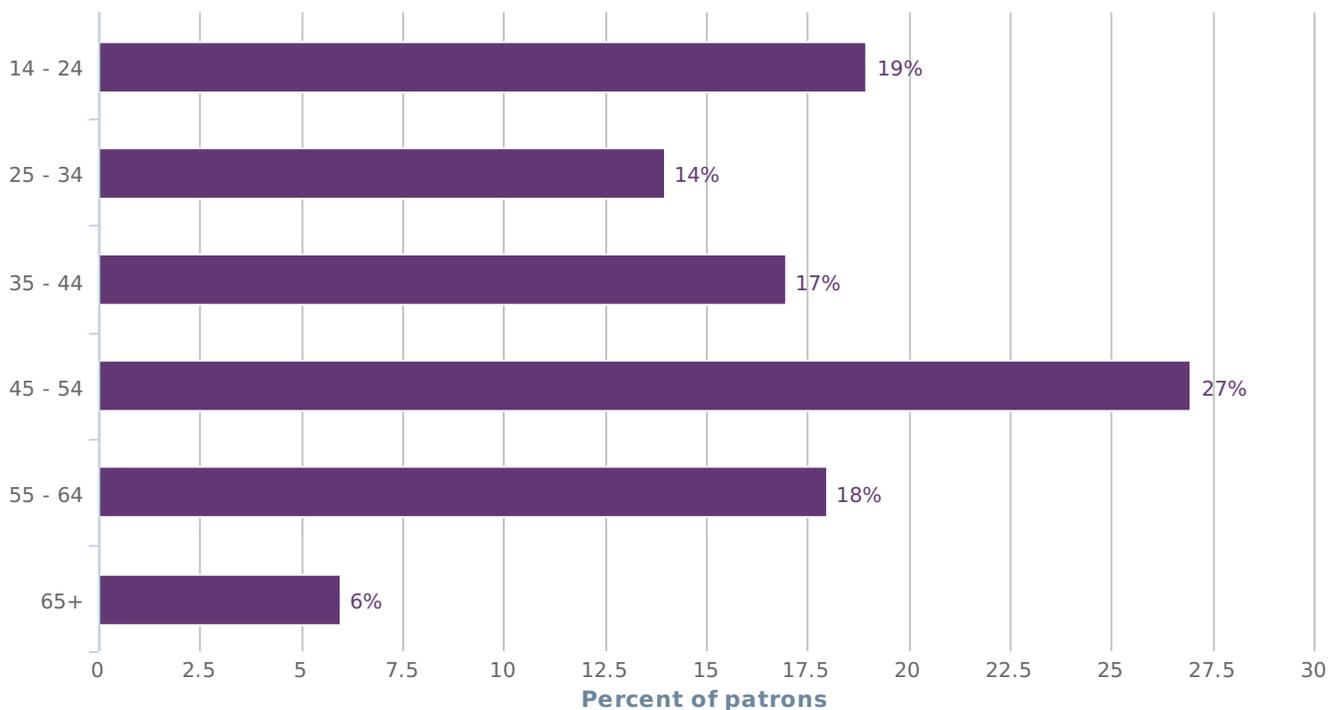


Table 1 details the education tasks patrons reported engaging in during the past 12 months. The most commonly reported task performed by users at Deschutes Public Library District was to do research for a class.

**Table 1: Education activities**

	% of users	n
Learn about a degree or certificate program	11%	60
Apply for a degree or certificate program	3%	18
<b>Admitted to the program</b>	<b>3%</b>	<b>16</b>
Take an online class or workshop	6%	31
Do research for a class	18%	99
Complete course work or homework	14%	80
Prepare for a standardized test	3%	15
Take any school-related test online	5%	26
<b>Librarian served as proctor</b>	<b>1%</b>	<b>3</b>
Apply for financial Aid	4%	24
<b>Received financial aid</b>	<b>3%</b>	<b>16</b>

\*Bolded rows indicate activities that show outcomes of other activities, i.e. users actually followed through on their earlier information seeking to accomplish a task.

## Employment

The public library plays a vital role in workforce development, providing job seekers with access to online job postings and assistance with online applications, cover letters, and resumes. 29% of the public access technology users at Deschutes Public Library District reported they had used these resources for employment or career purposes in the past 12 months. The majority of users who engaged in this activity, 27%, were between the ages of 45 and 54 (Figure 7).

**Figure 7 - Ages of patrons using public access technology for employment**

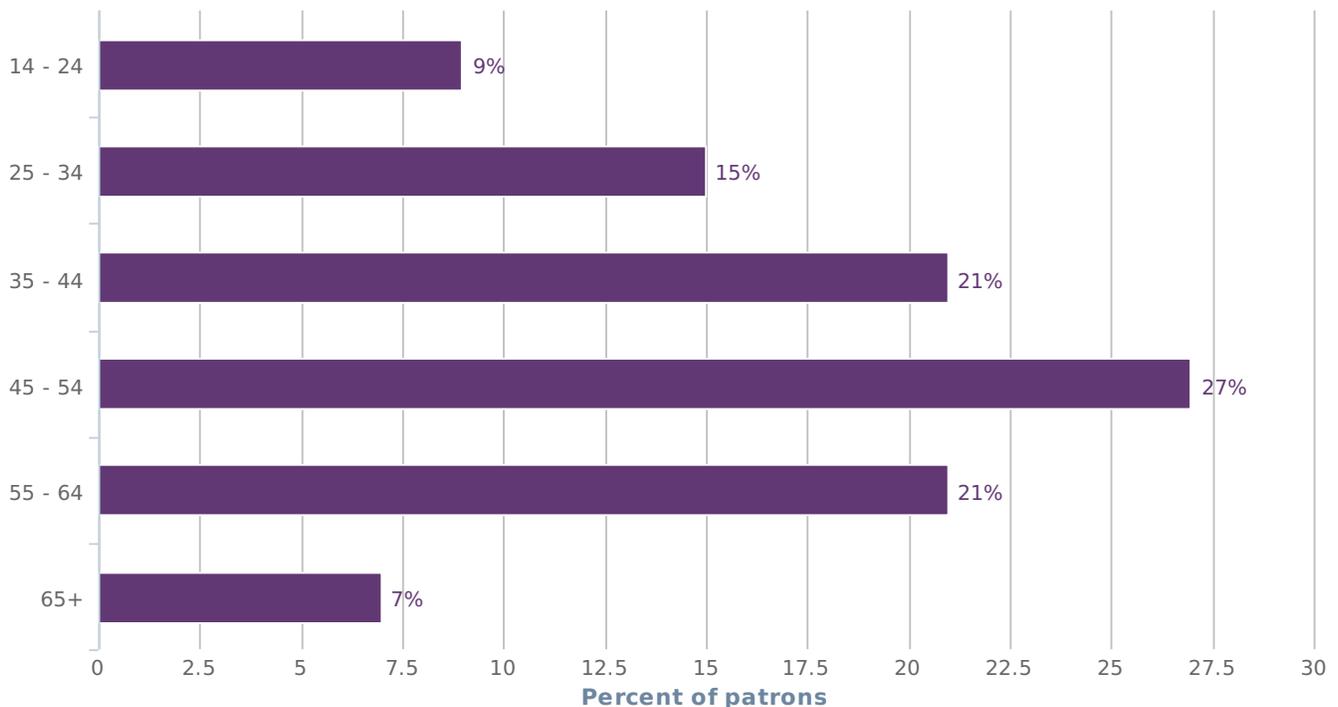


Table 2 details the employment tasks which users performed over the past 12 months. Of the 23 who used the library's technology resources to search for a job opportunity, 31% were granted an interview and 20% were hired for a new position.

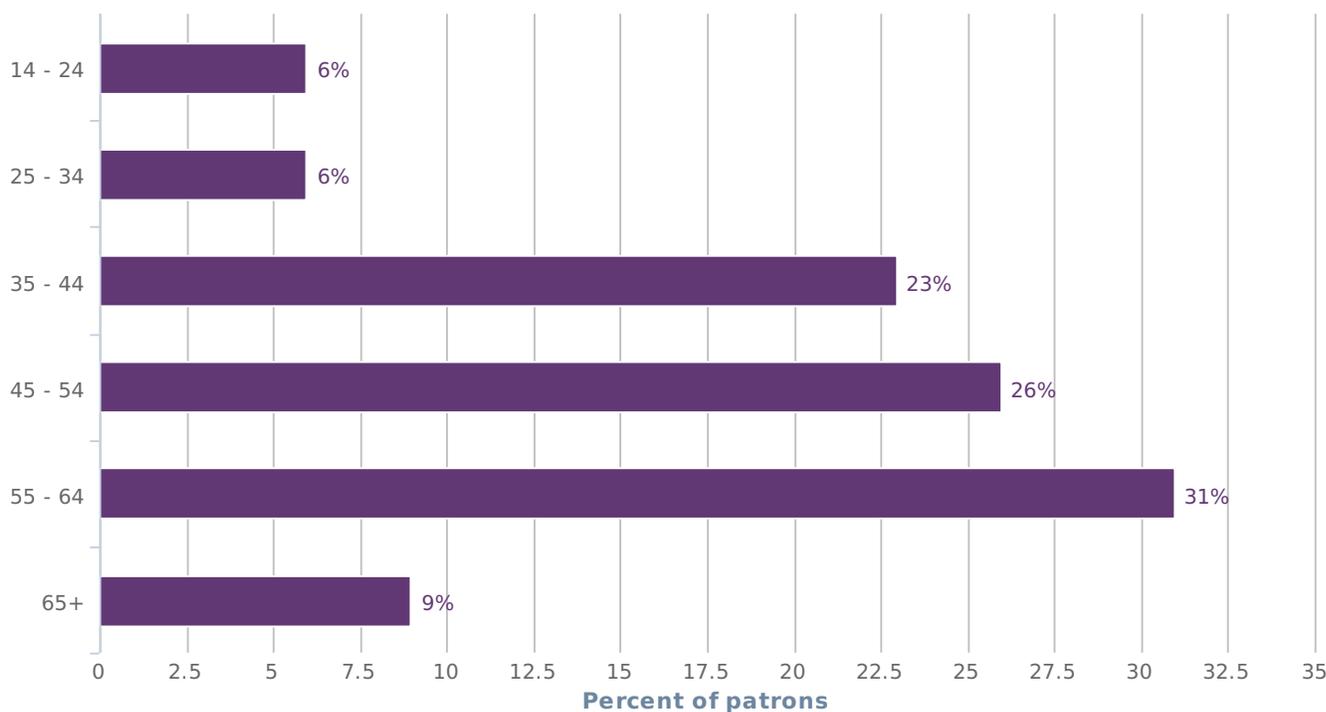
**Table 2: Employment activities**

	% of users	n
Look for job	23%	128
<b>Applied for job/sent out resume</b>	<b>14%</b>	<b>76</b>
<b>Got interview</b>	<b>7%</b>	<b>40</b>
<b>Got job</b>	<b>5%</b>	<b>26</b>
Work on resume	13%	74
Receive skill-based training	6%	32
Research/find info related to job/profession	20%	113
Do work for current job	11%	62



By providing public access technology services, the library is contributing to the economic health of the community by helping users start and manage their own businesses. 6% of the public access technology users at Deschutes Public Library District reported they had used these resources for these eBusiness purposes in the past 12 months. The majority of users who engaged in this activity, 31%, were between the ages of 55 and 64.

**Figure 8 - Ages of patrons using public access technology for eBusiness**



Of those respondents who used the library's technology resources to manage a current business, 46% found potential customers, and as a result 38% saw business increase. Table 3 details the eBusiness tasks patrons reported engaging in during the past 12 months.

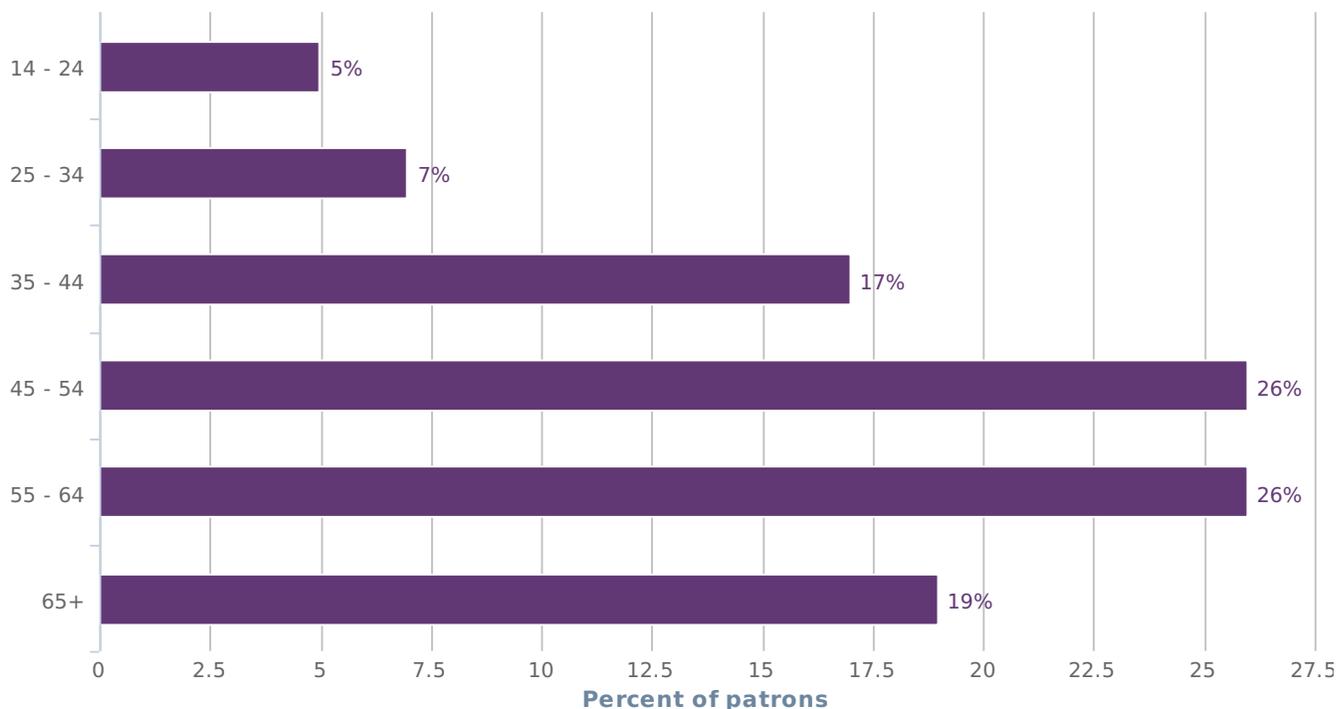
**Table 3: eBusiness activities**

	% of users	n
Started own business	3%	14
Manage an existing business	4%	20
Wrote business plan	1%	8
Perform business-related research	5%	30
Apply for business license/permit	1%	5
Find potential customers	3%	16
<b>Business increased</b>	<b>1%</b>	<b>6</b>
Find business-to-business contract opportunities	3%	15
<b>Received business-to-business contract</b>	<b>1%</b>	<b>6</b>

## Health and Wellness

Increasingly, finding health information and conducting many health-related service transactions means going online. 27% of users at Deschutes Public Library District indicated they had used their library's computers or Internet connection for health or wellness purposes. The majority of users who engaged in this activity, 26%, were between the ages of 45 and 54 (Figure 9).

**Figure 9 - Ages of patrons using public access technology for health and wellness**



In the U.S. IMPACT Study, health and wellness resulted in significant outcomes for users. At Deschutes Public Library District, of the 17% of users who reported learning about diet or nutrition, 85% of those users made a change to their diet; of the 16% of users who reported learning about exercise or fitness, 79% made a change in their exercise habits. Table 4 details the health and wellness tasks patrons reported engaging in during the past 12 months.

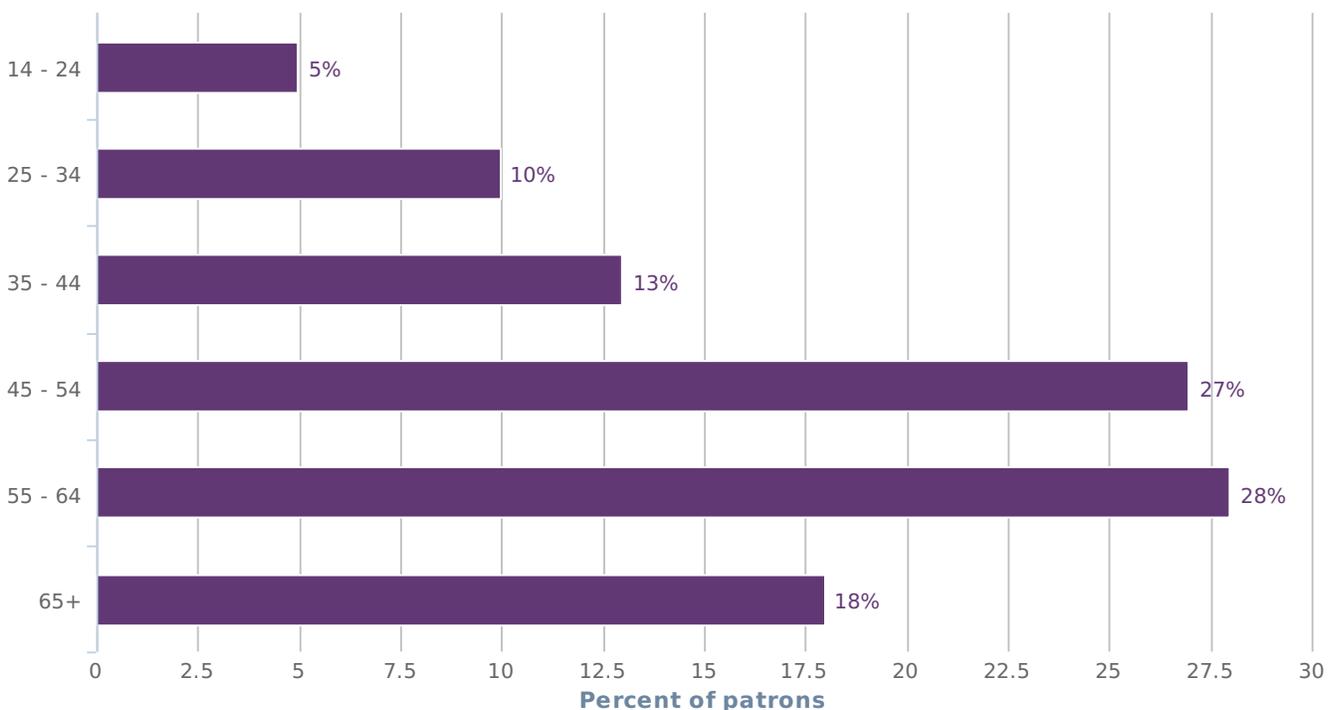
**Table 4: Health and wellness activities**

	% of users	n
Learn about illness, disease, or medical condition	23%	126
Learn about medical procedure	15%	83
Find online/in-person support groups for health need	3%	15
Learn about prescription/OTC drugs	12%	69
Find out about diet/nutrition	17%	94
<b>Made diet changes</b>	<b>14%</b>	<b>80</b>
Learn about exercise/fitness	16%	89
<b>Made changes in exercise habits</b>	<b>13%</b>	<b>70</b>
Find info about doctor/health care provider	10%	56
Buy insurance/enroll in drug discount program	2%	12
Access Medical Records	2%	10

 **eGovernment**

Libraries play a significant role in connecting citizens with essential eGovernment services. 26% of users at Deschutes Public Library District used the library's computers and Internet connection for eGovernment purposes. The majority of users who engaged in this activity, 28%, were between the ages of 55 and 64 (Figure 10).

**Figure 10 - Ages of patrons using public access technology for eGovernment**



Of the users who engaged in eGovernment activities, the most common use was to learn about government programs/services. Table 5 details the eGovernment tasks patrons reported engaging in during the past 12 months.

**Table 5: eGovernment activities**

	% of users	n
Seek help from government agency	13%	71
Access justice system	5%	27
Get government forms	16%	89
<b>Submitted forms online</b>	<b>5%</b>	<b>30</b>
Learn about laws/regulations	15%	85
Learn about permits/licenses	12%	67
<b>Applied for permit/license</b>	<b>2%</b>	<b>11</b>
Seek legal assistance/advice	10%	57
Learn about government programs/services	17%	95
<b>Applied for government programs/services</b>	<b>4%</b>	<b>24</b>

## Civic engagement

Public libraries support civic engagement by providing a venue and resources for citizens to engage with their community. 28% of public access technology users surveyed at Deschutes Public Library District reported using the library's computers or Internet connection for civic engagement purposes. The majority of users who engaged in this activity, 25%, were between the ages of 55 and 64 (Figure 11).

**Figure 11 - Ages of patrons using public access technology for civic engagement**

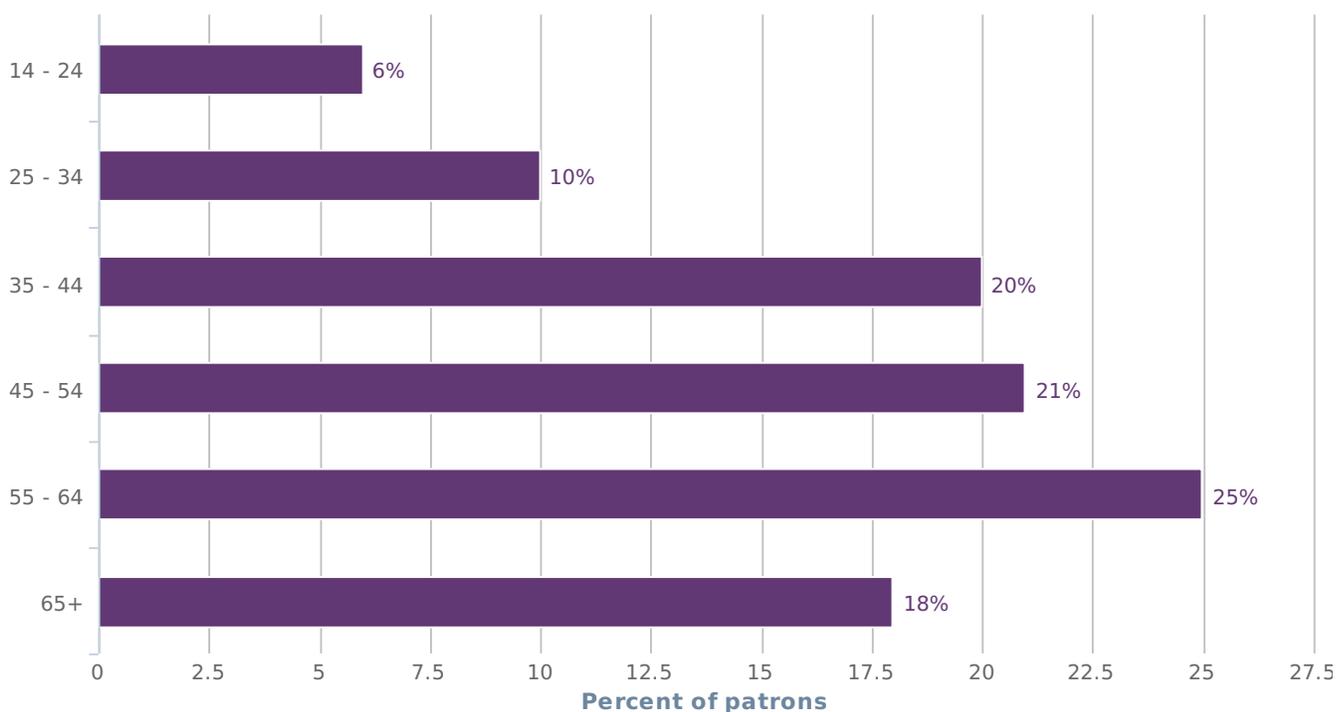


Table 6 details the civic engagement activities patrons reported engaging in during the past 12 months. Of the users who engaged in civic engagement activities, the most common use was to keep up with news/current events.

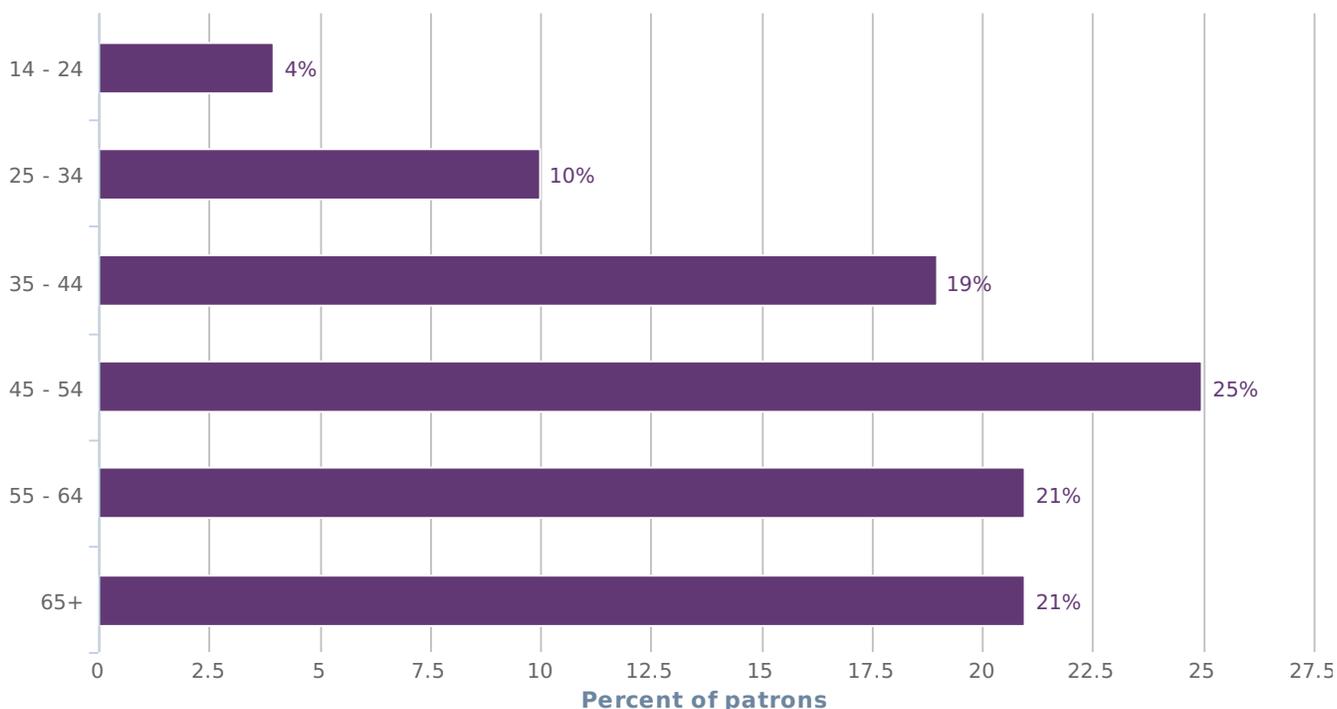
**Table 6: Civic engagement activities**

	% of users	n
Keep up with news/current events	22%	122
Learn about political activity/candidate or social cause	16%	88
<b>Got involved with political activity, candidate, or cause</b>	<b>10%</b>	<b>54</b>
Start a new civic or community group	2%	9
Participate in a civic or community group	11%	61
Organize/manage club, civic/community/church group, or non-profit	5%	27

## eCommerce

The library provides patrons with the means to engage in a wide variety of eCommerce activities. Consumers connected to the Internet are able to find and compare products and services, leaving those without access at a disadvantage when it comes to making informed financial decisions. 30% of patrons at Deschutes Public Library District indicated they had used a public library computer or Internet connection for eCommerce purposes. The majority of users who engaged in this activity, 25%, were between the ages of 45 and 54 (Figure 12).

**Figure 12 - Ages of patrons using public access technology for eCommerce**



Of eCommerce users, the most common use was to research products/services. Table 7 details the eCommerce tasks patrons reported engaging in during the past 12 months.

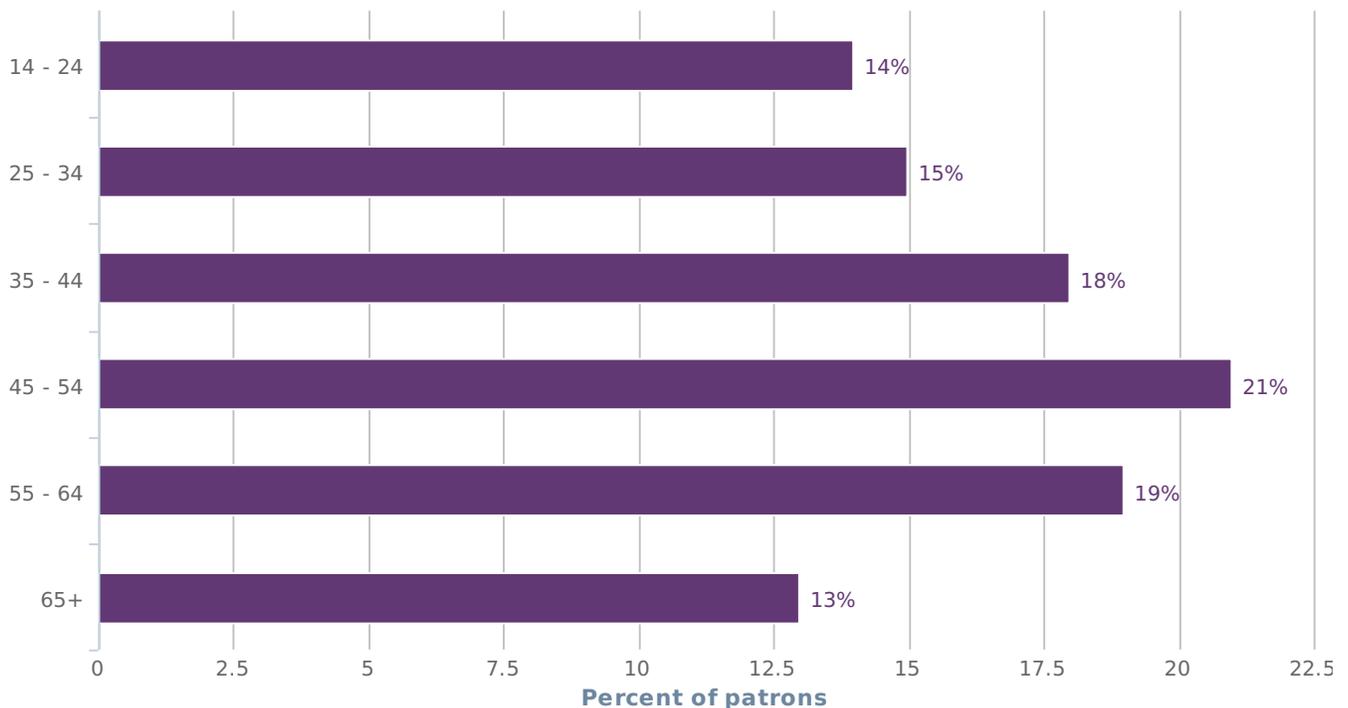
**Table 7: eCommerce activities**

	% of users	n
Find housing	8%	44
Bank online	15%	83
Pay bills	12%	69
Get investment info	6%	32
Research products/services	20%	114
Purchase online	14%	80
Sell online	5%	30
Make travel arrangements	19%	109
Look up credit rating	3%	15
Learn about getting out of debt	4%	20

## Social inclusion

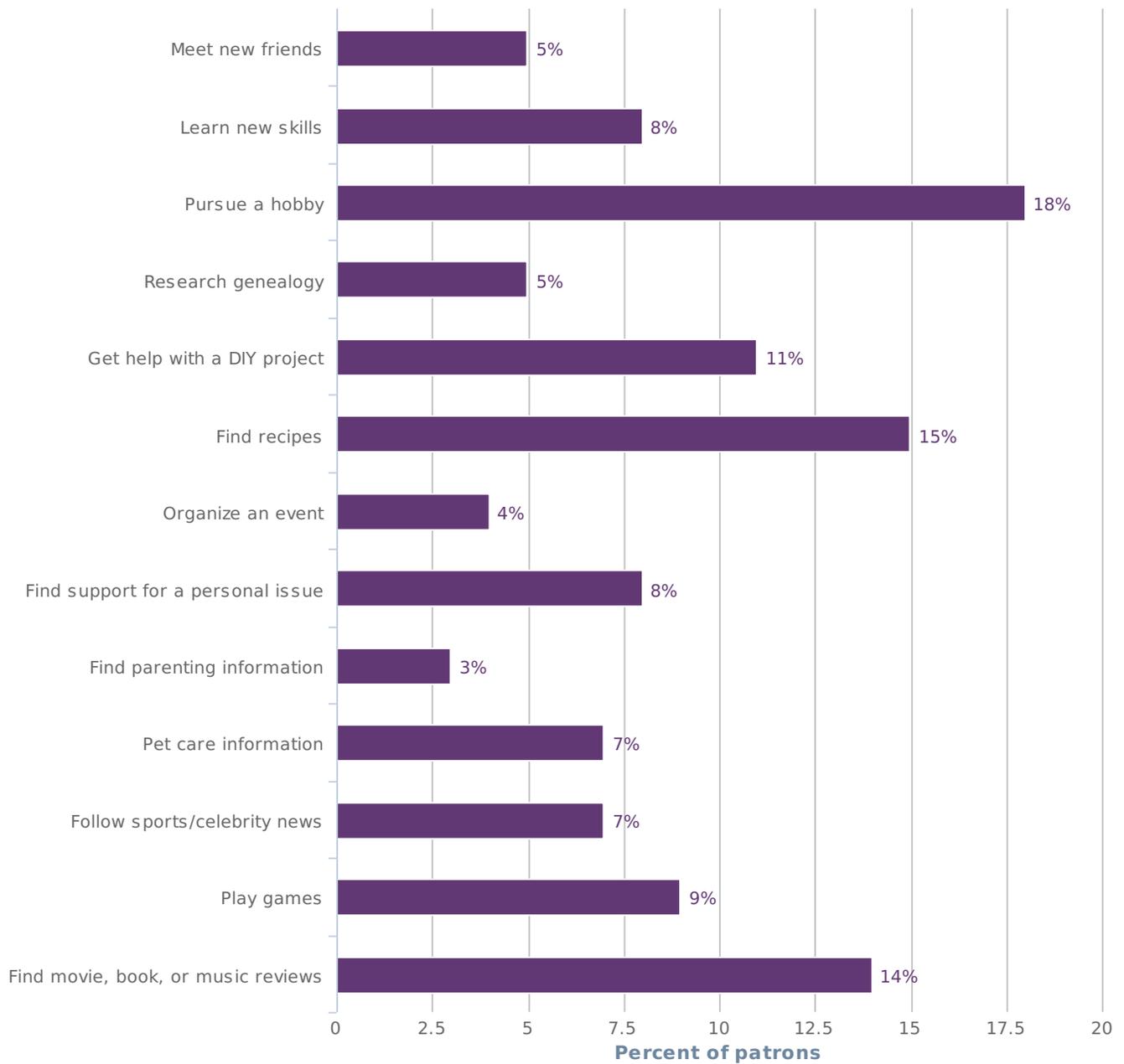
Patrons use public access technology to stay in touch with family and friends, and to build and maintain social networks. 31% of users reported having used the library's computers or Internet connection for social inclusion purposes. The majority of users who engaged in this activity, 21%, were between the ages of 45 and 54 (Figure 13).

**Figure 13 - Ages of patrons using public access technology for social inclusion**



The most common social inclusion use of public library technology was to to pursue a hobby. Figure 14 shows the types of social inclusion activities patrons reported engaging in during the past 12 months.

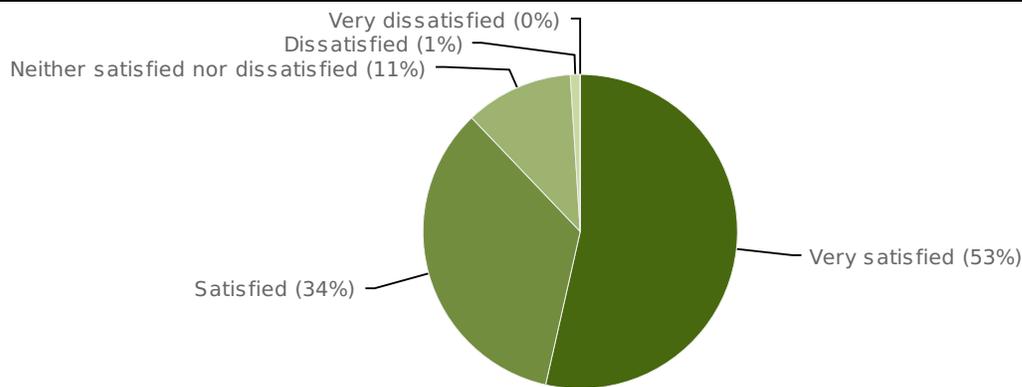
**Figure 14 - Social inclusion activities**



# Patron Satisfaction

When asked about their level of satisfaction with public access technology at Deschutes Public Library District, **87%** of users said that they were either satisfied or very satisfied with the access provided at the library (Figure 15).

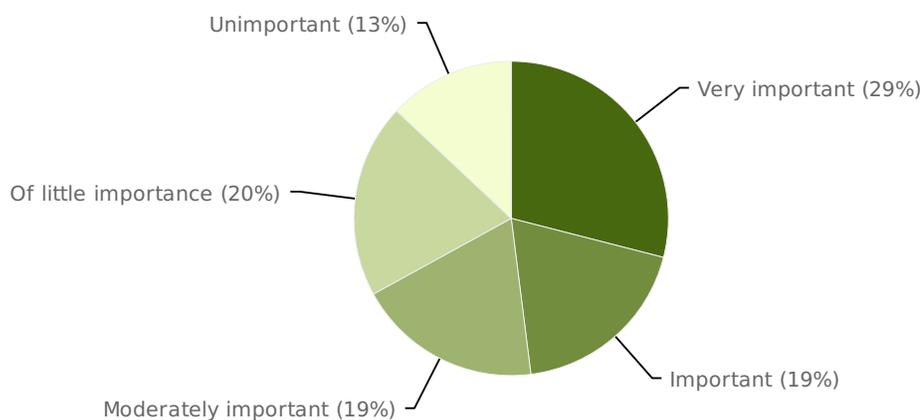
**Figure 15 - User satisfaction with public access technology resources and services**



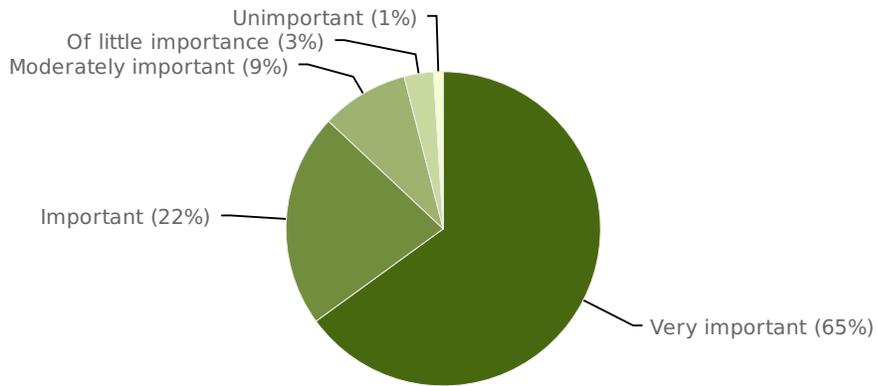
# Importance of computer resources

All survey respondents were asked about the importance of free access to computers and the Internet for themselves and their community. 48% of respondents reported that public computing resources are important or very important to themselves, personally; even more (87%) felt that these resources are important or very important to have available for others in the community (Figures 16 and 17).

**Figure 16 - PAC importance (personal)**



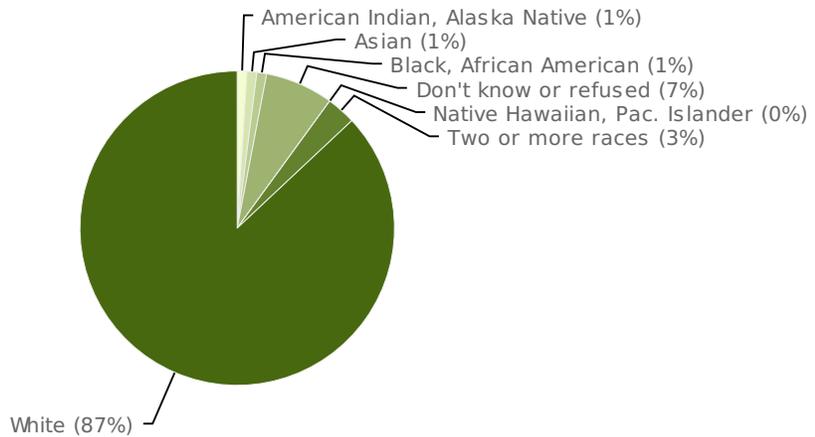
**Figure 17 - PAC importance (community)**



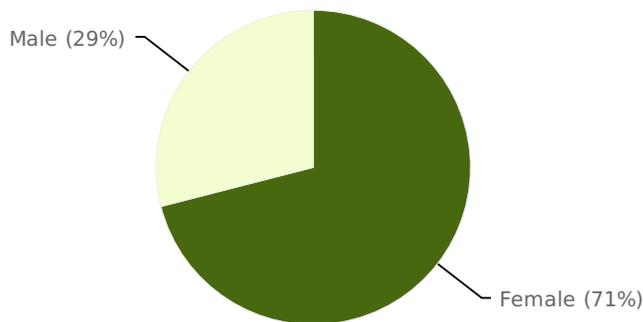
## Demographic Information

The following Figures 18-23 provide demographic information about survey respondents from Deschutes Public Library District

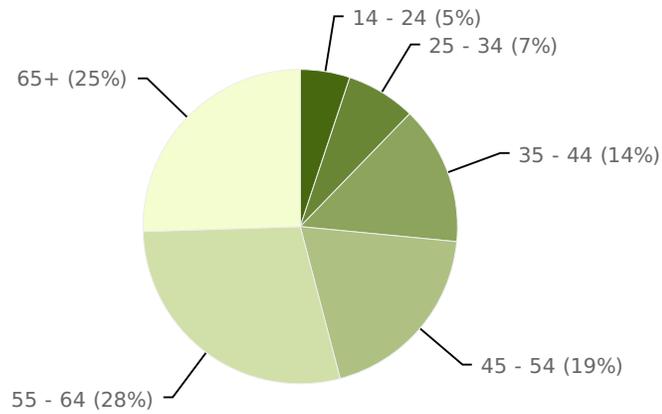
**Figure 18 - Race**



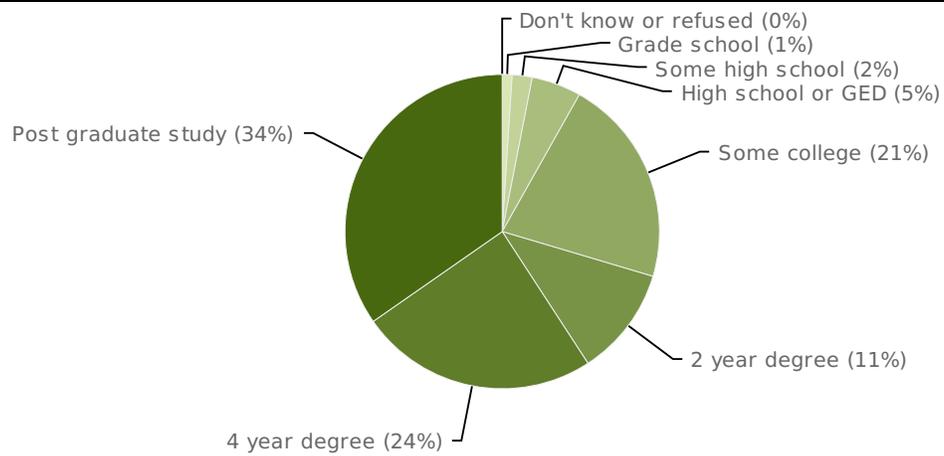
**Figure 19 - Sex**



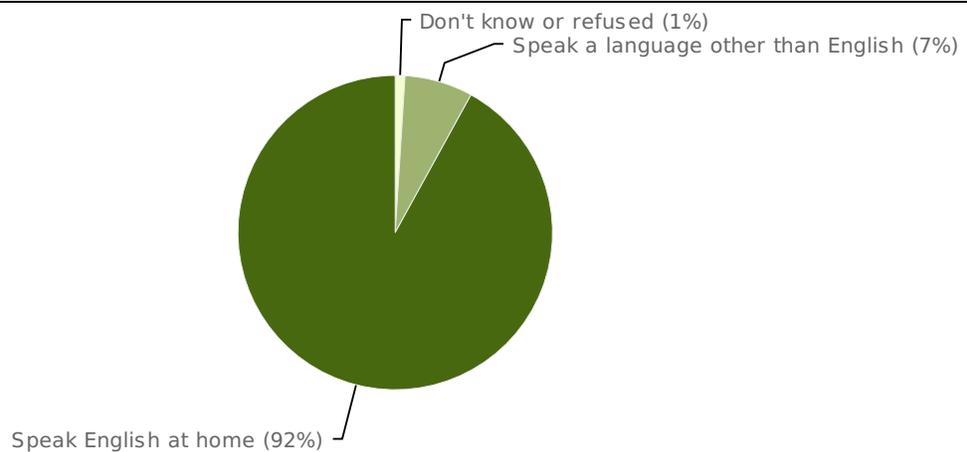
**Figure 20 - Age**



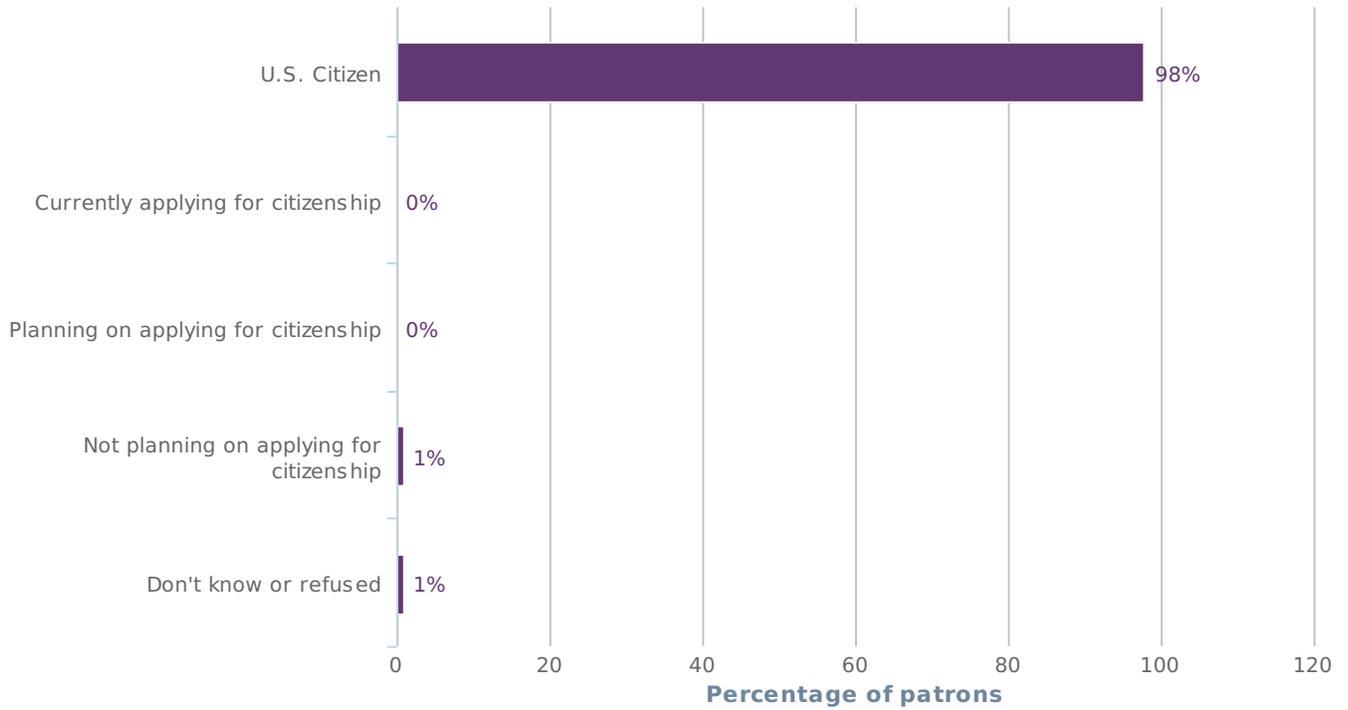
**Figure 21 - Education level**



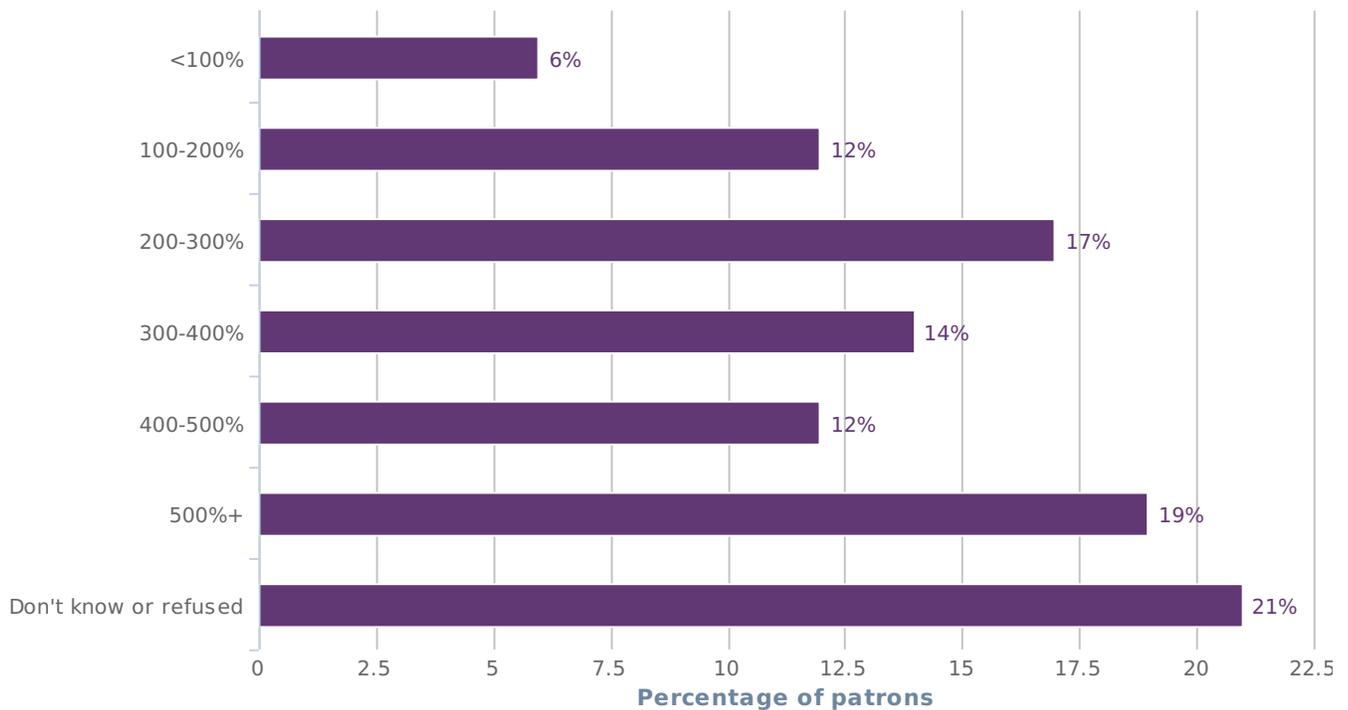
**Figure 22 - Language spoken at home**



**Figure 23 - Citizenship status**



**Figure 24 - Income as a percent of household poverty level**



## Conclusion

We hope that this report has given you useful information about the public access technology users at Deschutes Public Library District and the contributions the library makes to ensuring access to opportunity for all members of the community.